aws

API Reference

Amazon Transcribe



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Amazon Transcribe: API Reference

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Welcome

This guide provides detailed information on the Amazon Transcribe API, including operations, request and response syntax, data types, and error codes. For more information about Amazon Transcribe, refer to the Amazon Transcribe Developer Guide.

The Amazon Transcribe API reference is separated into the following sections:

- *Actions*
- *Data Types*
- *Common Error Types*
- *Common Parameters*

If you're transcribing a media file located in an Amazon S3 bucket, you're performing a *batch transcription* and must use the operations and data types listed in the **Amazon Transcribe Service** section.

If you're transcribing a real-time media stream, you're performing a *streaming transcription* and must use the operations and data types listed in the **Amazon Transcribe Streaming Service** section.

Amazon Transcribe supports the following SDKs:

Batch transcriptions	Streaming transcriptions
AWS Command Line Interface (CLI)	The CLI is not supported for streaming.
C++	C++
Go	Go
Java V2	Java V2
JavaScript	JavaScript V3
PHP V3	PHP V3
Python Boto3	Python Streaming SDK for Amazon Transcribe

Batch transcriptions	Streaming transcriptions
Ruby V3	Ruby V3
.NET	.NET is not supported for streaming.

All operations and actions listed in this guide function equally across all supported SDKs.

Amazon Transcribe Service

Amazon Transcribe offers three main types of batch transcription: **Standard**, **Medical**, and **Call Analytics**.

- **Standard transcriptions** are the most common option. Refer to StartTranscriptionJob for details.
- **Medical transcriptions** are tailored to medical professionals and incorporate medical terms. A common use case for this service is transcribing doctor-patient dialogue into after-visit notes. Refer to StartMedicalTranscriptionJob for details.
- **Call Analytics transcriptions** are designed for use with call center audio on two different channels; if you're looking for insight into customer service calls, use this option. Refer to StartCallAnalyticsJob for details.

Amazon Transcribe Streaming Service

Amazon Transcribe streaming offers four main types of real-time transcription: **Standard**, **Medical**, **Call Analytics**, and **Health Scribe**.

- **Standard transcriptions** are the most common option. Refer to StartStreamTranscription for details.
- **Medical transcriptions** are tailored to medical professionals and incorporate medical terms. A common use case for this service is transcribing doctor-patient dialogue in real time, so doctors can focus on their patient instead of taking notes. Refer to StartMedicalStreamTranscription for details.
- **Call Analytics transcriptions** are designed for use with call center audio on two different channels; if you're looking for insight into customer service calls, use this option. Refer to StartCallAnalyticsStreamTranscription for details.

- **HealthScribe transcriptions** are designed to automatically create clinical notes from patient-clinician conversations using generative AI. Refer to [here] for details.

Actions

The following actions are supported by Amazon Transcribe Service:

- CreateCallAnalyticsCategory
- CreateLanguageModel
- CreateMedicalVocabulary
- CreateVocabulary
- CreateVocabularyFilter
- DeleteCallAnalyticsCategory
- DeleteCallAnalyticsJob
- DeleteLanguageModel
- DeleteMedicalScribeJob
- DeleteMedicalTranscriptionJob
- DeleteMedicalVocabulary
- DeleteTranscriptionJob
- DeleteVocabulary
- DeleteVocabularyFilter
- DescribeLanguageModel
- GetCallAnalyticsCategory
- GetCallAnalyticsJob
- GetMedicalScribeJob
- GetMedicalTranscriptionJob
- GetMedicalVocabulary
- GetTranscriptionJob
- GetVocabulary
- GetVocabularyFilter
- ListCallAnalyticsCategories
- ListCallAnalyticsJobs
- ListLanguageModels
- ListMedicalScribeJobs

- ListMedicalTranscriptionJobs
- ListMedicalVocabularies
- ListTagsForResource
- ListTranscriptionJobs
- ListVocabularies
- ListVocabularyFilters
- StartCallAnalyticsJob
- StartMedicalScribeJob
- StartMedicalTranscriptionJob
- StartTranscriptionJob
- TagResource
- TranscribeAudio
- UntagResource
- UpdateCallAnalyticsCategory
- UpdateLanguageModel
- UpdateMedicalVocabulary
- UpdateVocabulary
- UpdateVocabularyFilter

The following actions are supported by Amazon Transcribe Streaming Service:

- GetMedicalScribeStream
- StartCallAnalyticsStreamTranscription
- StartMedicalScribeStream
- StartMedicalStreamTranscription
- StartStreamTranscription

Amazon Transcribe Service

The following actions are supported by Amazon Transcribe Service:

- CreateCallAnalyticsCategory

- CreateLanguageModel
- CreateMedicalVocabulary
- CreateVocabulary
- CreateVocabularyFilter
- DeleteCallAnalyticsCategory
- DeleteCallAnalyticsJob
- DeleteLanguageModel
- DeleteMedicalScribeJob
- DeleteMedicalTranscriptionJob
- DeleteMedicalVocabulary
- DeleteTranscriptionJob
- DeleteVocabulary
- DeleteVocabularyFilter
- DescribeLanguageModel
- GetCallAnalyticsCategory
- GetCallAnalyticsJob
- GetMedicalScribeJob
- GetMedicalTranscriptionJob
- GetMedicalVocabulary
- GetTranscriptionJob
- GetVocabulary
- GetVocabularyFilter
- ListCallAnalyticsCategories
- ListCallAnalyticsJobs
- ListLanguageModels
- ListMedicalScribeJobs
- ListMedicalTranscriptionJobs
- ListMedicalVocabularies
- ListTagsForResource
- ListTranscriptionJobs

- ListVocabularies
- ListVocabularyFilters
- StartCallAnalyticsJob
- StartMedicalScribeJob
- StartMedicalTranscriptionJob
- StartTranscriptionJob
- TagResource
- TranscribeAudio
- UntagResource
- UpdateCallAnalyticsCategory
- UpdateLanguageModel
- UpdateMedicalVocabulary
- UpdateVocabulary
- UpdateVocabularyFilter

CreateCallAnalyticsCategory

Service: Amazon Transcribe Service

Creates a new Call Analytics category.

All categories are automatically applied to your Call Analytics transcriptions. Note that in order to apply categories to your transcriptions, you must create them before submitting your transcription request, as categories cannot be applied retroactively.

When creating a new category, you can use the `InputType` parameter to label the category as a `POST_CALL` or a `REAL_TIME` category. `POST_CALL` categories can only be applied to post-call transcriptions and `REAL_TIME` categories can only be applied to real-time transcriptions. If you do not include `InputType`, your category is created as a `POST_CALL` category by default.

Call Analytics categories are composed of rules. For each category, you must create between 1 and 20 rules. Rules can include these parameters: InterruptionFilter, NonTalkTimeFilter, SentimentFilter, and TranscriptFilter.

To update an existing category, see UpdateCallAnalyticsCategory.

To learn more about Call Analytics categories, see Creating categories for post-call transcriptions and Creating categories for real-time transcriptions.

Request Syntax

```
{
   "CategoryName": "string",
   "InputType": "string",
   "Rules": [
      { ... }
   ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CategoryName

A unique name, chosen by you, for your Call Analytics category. It's helpful to use a detailed naming system that will make sense to you in the future. For example, it's better to use `sentiment-positive-last30seconds` for a category over a generic name like `test-category`.

Category names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

InputType

Choose whether you want to create a real-time or a post-call category for your Call Analytics transcription.

Specifying `POST_CALL` assigns your category to post-call transcriptions; categories with this input type cannot be applied to streaming (real-time) transcriptions.

Specifying `REAL_TIME` assigns your category to streaming transcriptions; categories with this input type cannot be applied to post-call transcriptions.

If you do not include `InputType`, your category is created as a post-call category by default.

Type: String

Valid Values: `REAL_TIME | POST_CALL`

Required: No

Rules

Rules define a Call Analytics category. When creating a new category, you must create between 1 and 20 rules for that category. For each rule, you specify a filter you want applied to the attributes of a call. For example, you can choose a sentiment filter that detects if a customer's sentiment was positive during the last 30 seconds of the call.

Type: Array of Rule objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new call analytics category at the time you start this new job.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
{
   "CategoryProperties": {
      "CategoryName": "string",
      "CreateTime": number,
      "InputType": "string",
      "LastUpdateTime": number,
      "Rules": [
         { ... }
      ],
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CategoryProperties

Provides you with the properties of your new category, including its associated rules.

Type: CategoryProperties object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateLanguageModel

Service: Amazon Transcribe Service

Creates a new custom language model.

When creating a new custom language model, you must specify:

- If you want a Wideband (audio sample rates over 16,000 Hz) or Narrowband (audio sample rates under 16,000 Hz) base model
- The location of your training and tuning files (this must be an Amazon S3 URI)
- The language of your model
- A unique name for your model

Request Syntax

```
{
   "BaseModelName": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "InputDataConfig": {
      "DataAccessRoleArn": "string",
      "S3Uri": "string",
      "TuningDataS3Uri": "string"
   },
   "LanguageCode": "string",
   "ModelName": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

BaseModelName

The Amazon Transcribe standard language model, or base model, used to create your custom language model. Amazon Transcribe offers two options for base models: Wideband and Narrowband.

If the audio you want to transcribe has a sample rate of 16,000 Hz or greater, choose `WideBand`. To transcribe audio with a sample rate less than 16,000 Hz, choose `NarrowBand`.

Type: String

Valid Values: `NarrowBand | WideBand`

Required: Yes

EncryptionConfiguration

Specifies the encryption configuration for your custom language model. Your model artifacts are encrypted with the specified AWS KMS key or with an AWS owned key if a key is not supplied.

Type: EncryptionConfiguration object

Required: No

InputDataConfig

Contains the Amazon S3 location of the training data you want to use to create a new custom language model, and permissions to access this location.

When using `InputDataConfig`, you must include these sub-parameters: `S3Uri`, which is the Amazon S3 location of your training data, and `DataAccessRoleArn`, which is the Amazon Resource Name (ARN) of the role that has permission to access your specified Amazon S3 location. You can optionally include `TuningDataS3Uri`, which is the Amazon S3 location of your tuning data. If you specify different Amazon S3 locations for training and tuning data, the ARN you use must have permissions to access both locations.

Type: InputDataConfig object

Required: Yes

LanguageCode

The language code that represents the language of your model. Each custom language model must contain terms in only one language, and the language you select for your custom language model must match the language of your training and tuning data.

For a list of supported languages and their associated language codes, refer to the Supported languages table. Note that US English (en-US) is the only language supported with Amazon Transcribe Medical.

A custom language model can only be used to transcribe files in the same language as the model. For example, if you create a custom language model using US English (en-US), you can only apply this model to files that contain English audio.

Type: String

Valid Values: `en-US | hi-IN | es-US | en-GB | en-AU | de-DE | ja-JP`

Required: Yes

ModelName

A unique name, chosen by you, for your custom language model.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new custom language model with the same name as an existing custom language model, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new custom language model at the time you create this new model.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
{
   "BaseModelName": "string",
   "InputDataConfig": {
      "DataAccessRoleArn": "string",
      "S3Uri": "string",
      "TuningDataS3Uri": "string"
   },
   "LanguageCode": "string",
   "ModelName": "string",
   "ModelStatus": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BaseModelName

The Amazon Transcribe standard language model, or base model, you specified when creating your custom language model.

Type: String

Valid Values: `NarrowBand | WideBand`

InputDataConfig

Lists your data access role ARN (Amazon Resource Name) and the Amazon S3 locations you provided for your training (`S3Uri`) and tuning (`TuningDataS3Uri`) data.

Type: InputDataConfig object

LanguageCode

The language code you selected for your custom language model.

Type: String

Valid Values: `en-US | hi-IN | es-US | en-GB | en-AU | de-DE | ja-JP`

ModelName

The name of your custom language model.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

ModelStatus

The status of your custom language model. When the status displays as `COMPLETED`, your model is ready to use.

Type: String

Valid Values: `IN_PROGRESS | FAILED | COMPLETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateMedicalVocabulary

Service: Amazon Transcribe Service

Creates a new custom medical vocabulary.

Before creating a new custom medical vocabulary, you must first upload a text file that contains your vocabulary table into an Amazon S3 bucket. Note that this differs from CreateVocabulary, where you can include a list of terms within your request using the `Phrases` flag; `CreateMedicalVocabulary` does not support the `Phrases` flag and only accepts vocabularies in table format.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

For more information, see Custom vocabularies.

Request Syntax

```
{
   "LanguageCode": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VocabularyFileUri": "string",
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

LanguageCode

The language code that represents the language of the entries in your custom vocabulary. US English (en-US) is the only language supported with Amazon Transcribe Medical.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new custom medical vocabulary at the time you create this new custom vocabulary.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

VocabularyFileUri

The Amazon S3 location (URI) of the text file that contains your custom medical vocabulary. The URI must be in the same AWS Region as the resource you're calling.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-vocab-file.txt`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: Yes

VocabularyName

A unique name, chosen by you, for your new custom medical vocabulary.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new custom medical vocabulary with the same name as an existing custom medical vocabulary, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "FailureReason": "string",
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyName": "string",
   "VocabularyState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailureReason

If `VocabularyState` is `FAILED`, `FailureReason` contains information about why the medical transcription job request failed. See also: Common Errors.

Type: String

LanguageCode

The language code you selected for your custom medical vocabulary. US English (en-US) is the only language supported with Amazon Transcribe Medical.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

LastModifiedTime

The date and time you created your custom medical vocabulary.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyName

The name you chose for your custom medical vocabulary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

VocabularyState

The processing state of your custom medical vocabulary. If the state is `READY`, you can use the custom vocabulary in a `StartMedicalTranscriptionJob` request.

Type: String

Valid Values: `PENDING | READY | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateVocabulary

Service: Amazon Transcribe Service

Creates a new custom vocabulary.

When creating a new custom vocabulary, you can either upload a text file that contains your new entries, phrases, and terms into an Amazon S3 bucket and include the URI in your request. Or you can include a list of terms directly in your request using the `Phrases` flag.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

For more information, see Custom vocabularies.

Request Syntax

```
{
   "DataAccessRoleArn": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "LanguageCode": "string",
   "Phrases": [ "string" ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VocabularyFileUri": "string",
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files (in this case, your custom vocabulary). If you include `EncryptionConfiguration` in your request, this role must also have permissions to access the specified AWS KMS key. If the role that you specify doesn't have the appropriate permissions, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

EncryptionConfiguration

Specifies the encryption configuration for your custom vocabulary. Your vocabulary artifacts are encrypted with the specified AWS KMS key or with an AWS owned key if a key is not supplied.

Type: EncryptionConfiguration object

Required: No

LanguageCode

The language code that represents the language of the entries in your custom vocabulary. Each custom vocabulary must contain terms in only one language.

A custom vocabulary can only be used to transcribe files in the same language as the custom vocabulary. For example, if you create a custom vocabulary using US English (`en-US`), you can only apply this custom vocabulary to files that contain English audio.

For a list of supported languages and their associated language codes, refer to the Supported languages table.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: Yes

Phrases

Use this parameter if you want to create your custom vocabulary by including all desired terms, as comma-separated values, within your request. The other option for creating your custom vocabulary is to save your entries in a text file and upload them to an Amazon S3 bucket, then specify the location of your file using the `VocabularyFileUri` parameter.

Note that if you include `Phrases` in your request, you cannot use `VocabularyFileUri`; you must choose one or the other.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary filter request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `.+`

Required: No

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new custom vocabulary at the time you create this new custom vocabulary.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

VocabularyFileUri

The Amazon S3 location of the text file that contains your custom vocabulary. The URI must be located in the same AWS Region as the resource you're calling.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-vocab-file.txt`

Note that if you include `VocabularyFileUri` in your request, you cannot use the `Phrases` flag; you must choose one or the other.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

VocabularyName

A unique name, chosen by you, for your new custom vocabulary.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new custom vocabulary with the same name as an existing custom vocabulary, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "FailureReason": "string",
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyName": "string",
   "VocabularyState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailureReason

If `VocabularyState` is `FAILED`, `FailureReason` contains information about why the custom vocabulary request failed. See also: Common Errors.

Type: String

LanguageCode

The language code you selected for your custom vocabulary.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG |`

`lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

LastModifiedTime

The date and time you created your custom vocabulary.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyName

The name you chose for your custom vocabulary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyState

The processing state of your custom vocabulary. If the state is `READY`, you can use the custom vocabulary in a `StartTranscriptionJob` request.

Type: String

Valid Values: `PENDING | READY | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateVocabularyFilter

Service: Amazon Transcribe Service

Creates a new custom vocabulary filter.

You can use custom vocabulary filters to mask, delete, or flag specific words from your transcript. Custom vocabulary filters are commonly used to mask profanity in transcripts.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary filter request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

For more information, see Vocabulary filtering.

Request Syntax

```
{
   "DataAccessRoleArn": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "LanguageCode": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VocabularyFilterFileUri": "string",
   "VocabularyFilterName": "string",
   "Words": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files (in this case, your custom vocabulary filter). If you include `EncryptionConfiguration` in your request, this role must also have permissions to access the specified AWS KMS key. If the role that you specify doesn't have the appropriate permissions, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

EncryptionConfiguration

Specifies the encryption configuration for your custom vocabulary filter. Your vocabulary filter artifacts are encrypted with the specified AWS KMS key or with an AWS owned key if a key is not supplied.

Type: EncryptionConfiguration object

Required: No

LanguageCode

The language code that represents the language of the entries in your vocabulary filter. Each custom vocabulary filter must contain terms in only one language.

A custom vocabulary filter can only be used to transcribe files in the same language as the filter. For example, if you create a custom vocabulary filter using US English (en-US), you can only apply this filter to files that contain English audio.

For a list of supported languages and their associated language codes, refer to the Supported languages table.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new custom vocabulary filter at the time you create this new vocabulary filter.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

VocabularyFilterFileUri

The Amazon S3 location of the text file that contains your custom vocabulary filter terms. The URI must be located in the same AWS Region as the resource you're calling.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-vocab-filter-file.txt`

Note that if you include `VocabularyFilterFileUri` in your request, you cannot use `Words`; you must choose one or the other.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

VocabularyFilterName

A unique name, chosen by you, for your new custom vocabulary filter.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new custom vocabulary filter with the same name as an existing custom vocabulary filter, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Words

Use this parameter if you want to create your custom vocabulary filter by including all desired terms, as comma-separated values, within your request. The other option for creating your vocabulary filter is to save your entries in a text file and upload them to an Amazon S3 bucket, then specify the location of your file using the `VocabularyFilterFileUri` parameter.

Note that if you include `Words` in your request, you cannot use `VocabularyFilterFileUri`; you must choose one or the other.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary filter request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyFilterName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LanguageCode

The language code you selected for your custom vocabulary filter.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

LastModifiedTime

The date and time you created your custom vocabulary filter.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyFilterName

The name you chose for your custom vocabulary filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as IN PROGRESS). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, TranscribeAudio returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- audioTooLong: The audio is longer than the maximum duration of 1 hour.
- audioTooShort: The audio is shorter than 0.5 seconds.
- audioFileTooLarge: The audio is larger than the maximum size.
- unsupportedAudioFormat: The media format isn't supported.
- unsupportedChannelCount: You enabled ChannelIdentification and the audio has more than two channels.
- invalidAudio: Amazon Transcribe couldn't decode the audio.

- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DeleteCallAnalyticsCategory

Service: Amazon Transcribe Service

Deletes a Call Analytics category. To use this operation, specify the name of the category you want to delete using `CategoryName`. Category names are case sensitive.

Request Syntax

```
{
   "CategoryName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CategoryName

The name of the Call Analytics category you want to delete. Category names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteCallAnalyticsJob

Service: Amazon Transcribe Service

Deletes a Call Analytics job. To use this operation, specify the name of the job you want to delete using `CallAnalyticsJobName`. Job names are case sensitive.

Request Syntax

```
{
   "CallAnalyticsJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CallAnalyticsJobName

The name of the Call Analytics job you want to delete. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteLanguageModel

Service: Amazon Transcribe Service

Deletes a custom language model. To use this operation, specify the name of the language model you want to delete using `ModelName`. custom language model names are case sensitive.

Request Syntax

```
{
   "ModelName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ModelName

The name of the custom language model you want to delete. Model names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMedicalScribeJob

Service: Amazon Transcribe Service

Deletes a Medical Scribe job. To use this operation, specify the name of the job you want to delete using `MedicalScribeJobName`. Job names are case sensitive.

Request Syntax

```
{
   "MedicalScribeJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MedicalScribeJobName

The name of the Medical Scribe job you want to delete. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMedicalTranscriptionJob

Service: Amazon Transcribe Service

Deletes a medical transcription job. To use this operation, specify the name of the job you want to delete using `MedicalTranscriptionJobName`. Job names are case sensitive.

Request Syntax

```
{
   "MedicalTranscriptionJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MedicalTranscriptionJobName

The name of the medical transcription job you want to delete. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMedicalVocabulary

Service: Amazon Transcribe Service

Deletes a custom medical vocabulary. To use this operation, specify the name of the custom vocabulary you want to delete using `VocabularyName`. Custom vocabulary names are case sensitive.

Request Syntax

```
{
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

VocabularyName

The name of the custom medical vocabulary you want to delete. Custom medical vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteTranscriptionJob

Service: Amazon Transcribe Service

Deletes a transcription job. To use this operation, specify the name of the job you want to delete using `TranscriptionJobName`. Job names are case sensitive.

Request Syntax

```
{
   "TranscriptionJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

TranscriptionJobName

The name of the transcription job you want to delete. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteVocabulary

Service: Amazon Transcribe Service

Deletes a custom vocabulary. To use this operation, specify the name of the custom vocabulary you want to delete using `VocabularyName`. Custom vocabulary names are case sensitive.

Request Syntax

```
{
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

VocabularyName

The name of the custom vocabulary you want to delete. Custom vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteVocabularyFilter

Service: Amazon Transcribe Service

Deletes a custom vocabulary filter. To use this operation, specify the name of the custom vocabulary filter you want to delete using `VocabularyFilterName`. Custom vocabulary filter names are case sensitive.

Request Syntax

```
{
   "VocabularyFilterName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

VocabularyFilterName

The name of the custom vocabulary filter you want to delete. Custom vocabulary filter names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeLanguageModel

Service: Amazon Transcribe Service

Provides information about the specified custom language model.

This operation also shows if the base language model that you used to create your custom language model has been updated. If Amazon Transcribe has updated the base model, you can create a new custom language model using the updated base model.

If you tried to create a new custom language model and the request wasn't successful, you can use `DescribeLanguageModel` to help identify the reason for this failure.

Request Syntax

```
{
   "ModelName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ModelName

The name of the custom language model you want information about. Model names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "LanguageModel": {
      "BaseModelName": "string",
```

```
      "CreateTime": number,
      "EncryptionConfiguration": {
         "KMSEncryptionContext": {
            "string" : "string"
         },
         "KMSKey": "string"
      },
      "FailureReason": "string",
      "InputDataConfig": {
         "DataAccessRoleArn": "string",
         "S3Uri": "string",
         "TuningDataS3Uri": "string"
      },
      "LanguageCode": "string",
      "LastModifiedTime": number,
      "ModelName": "string",
      "ModelStatus": "string",
      "UpgradeAvailability": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LanguageModel

Provides information about the specified custom language model.

This parameter also shows if the base language model you used to create your custom language model has been updated. If Amazon Transcribe has updated the base model, you can create a new custom language model using the updated base model.

If you tried to create a new custom language model and the request wasn't successful, you can use this `DescribeLanguageModel` to help identify the reason for this failure.

Type: LanguageModel object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetCallAnalyticsCategory

Service: Amazon Transcribe Service

Provides information about the specified Call Analytics category.

To get a list of your Call Analytics categories, use the ListCallAnalyticsCategories operation.

Request Syntax

```
{
   "CategoryName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CategoryName

The name of the Call Analytics category you want information about. Category names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "CategoryProperties": {
      "CategoryName": "string",
      "CreateTime": number,
      "InputType": "string",
      "LastUpdateTime": number,
      "Rules": [
```

```
            { ... }
         ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CategoryProperties

Provides you with the properties of the Call Analytics category you specified in your `GetCallAnalyticsCategory` request.

Type: CategoryProperties object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetCallAnalyticsJob

Service: Amazon Transcribe Service

Provides information about the specified Call Analytics job.

To view the job's status, refer to `CallAnalyticsJobStatus`. If the status is `COMPLETED`, the job is finished. You can find your completed transcript at the URI specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

If you enabled personally identifiable information (PII) redaction, the redacted transcript appears at the location specified in `RedactedTranscriptFileUri`.

If you chose to redact the audio in your media file, you can find your redacted media file at the location specified in `RedactedMediaFileUri`.

To get a list of your Call Analytics jobs, use the ListCallAnalyticsJobs operation.

Request Syntax

```
{
   "CallAnalyticsJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CallAnalyticsJobName

The name of the Call Analytics job you want information about. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "CallAnalyticsJob": {
      "CallAnalyticsJobDetails": {
         "Skipped": [
            {
               "Feature": "string",
               "Message": "string",
               "ReasonCode": "string"
            }
         ]
      },
      "CallAnalyticsJobName": "string",
      "CallAnalyticsJobStatus": "string",
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "CompletionTime": number,
      "CreationTime": number,
      "DataAccessRoleArn": "string",
      "FailureReason": "string",
      "IdentifiedLanguageScore": number,
      "LanguageCode": "string",
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MediaFormat": "string",
      "MediaSampleRateHertz": number,
      "Settings": {
         "ContentRedaction": {
            "PiiEntityTypes": [ "string" ],
            "RedactionOutput": "string",
            "RedactionType": "string"
         },
         "LanguageIdSettings": {
            "string" : {
               "LanguageModelName": "string",
               "VocabularyFilterName": "string",
```

```
                "VocabularyName": "string"
            }
         },
         "LanguageModelName": "string",
         "LanguageOptions": [ "string" ],
         "Summarization": {
            "GenerateAbstractiveSummary": boolean
         },
         "VocabularyFilterMethod": "string",
         "VocabularyFilterName": "string",
         "VocabularyName": "string"
      },
      "StartTime": number,
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "Transcript": {
         "RedactedTranscriptFileUri": "string",
         "TranscriptFileUri": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CallAnalyticsJob

Provides detailed information about the specified Call Analytics job, including job status and, if applicable, failure reason.

Type: CallAnalyticsJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetMedicalScribeJob

Service: Amazon Transcribe Service

Provides information about the specified Medical Scribe job.

To view the status of the specified medical transcription job, check the `MedicalScribeJobStatus` field. If the status is `COMPLETED`, the job is finished. You can find the results at the location specified in `MedicalScribeOutput`. If the status is `FAILED`, `FailureReason` provides details on why your Medical Scribe job failed.

To get a list of your Medical Scribe jobs, use the ListMedicalScribeJobs operation.

Request Syntax

```
{
   "MedicalScribeJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MedicalScribeJobName

The name of the Medical Scribe job you want information about. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "MedicalScribeJob": {
      "ChannelDefinitions": [
         {
```

```
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "CompletionTime": number,
      "CreationTime": number,
      "DataAccessRoleArn": "string",
      "FailureReason": "string",
      "LanguageCode": "string",
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MedicalScribeContextProvided": boolean,
      "MedicalScribeJobName": "string",
      "MedicalScribeJobStatus": "string",
      "MedicalScribeOutput": {
         "ClinicalDocumentUri": "string",
         "TranscriptFileUri": "string"
      },
      "Settings": {
         "ChannelIdentification": boolean,
         "ClinicalNoteGenerationSettings": {
            "NoteTemplate": "string"
         },
         "MaxSpeakerLabels": number,
         "ShowSpeakerLabels": boolean,
         "VocabularyFilterMethod": "string",
         "VocabularyFilterName": "string",
         "VocabularyName": "string"
      },
      "StartTime": number,
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalScribeJob

Provides detailed information about the specified Medical Scribe job, including job status and, if applicable, failure reason

Type: MedicalScribeJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.

- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

GetMedicalTranscriptionJob

Service: Amazon Transcribe Service

Provides information about the specified medical transcription job.

To view the status of the specified medical transcription job, check the `TranscriptionJobStatus` field. If the status is `COMPLETED`, the job is finished. You can find the results at the location specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

To get a list of your medical transcription jobs, use the ListMedicalTranscriptionJobs operation.

Request Syntax

```
{
   "MedicalTranscriptionJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MedicalTranscriptionJobName

The name of the medical transcription job you want information about. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
```

```
   "MedicalTranscriptionJob": {
      "CompletionTime": number,
      "ContentIdentificationType": "string",
      "CreationTime": number,
      "FailureReason": "string",
      "LanguageCode": "string",
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MediaFormat": "string",
      "MediaSampleRateHertz": number,
      "MedicalTranscriptionJobName": "string",
      "Settings": {
         "ChannelIdentification": boolean,
         "MaxAlternatives": number,
         "MaxSpeakerLabels": number,
         "ShowAlternatives": boolean,
         "ShowSpeakerLabels": boolean,
         "VocabularyName": "string"
      },
      "Specialty": "string",
      "StartTime": number,
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "Transcript": {
         "TranscriptFileUri": "string"
      },
      "TranscriptionJobStatus": "string",
      "Type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalTranscriptionJob

Provides detailed information about the specified medical transcription job, including job status and, if applicable, failure reason.

Type: MedicalTranscriptionJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetMedicalVocabulary

Service: Amazon Transcribe Service

Provides information about the specified custom medical vocabulary.

To view the status of the specified custom medical vocabulary, check the `VocabularyState` field. If the status is `READY`, your custom vocabulary is available to use. If the status is `FAILED`, `FailureReason` provides details on why your vocabulary failed.

To get a list of your custom medical vocabularies, use the ListMedicalVocabularies operation.

Request Syntax

```
{
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

VocabularyName

The name of the custom medical vocabulary you want information about. Custom medical vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "DownloadUri": "string",
   "FailureReason": "string",
```

```
    "LanguageCode": "string",
    "LastModifiedTime": number,
    "VocabularyName": "string",
    "VocabularyState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DownloadUri

The Amazon S3 location where the specified custom medical vocabulary is stored; use this URI to view or download the custom vocabulary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

FailureReason

If `VocabularyState` is `FAILED`, `FailureReason` contains information about why the custom medical vocabulary request failed. See also: Common Errors.

Type: String

LanguageCode

The language code you selected for your custom medical vocabulary. US English (`en-US`) is the only language supported with Amazon Transcribe Medical.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ |`

```
cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG |
hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG |
lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN |
mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW |
si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE |
sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN |
zh-HK | zu-ZA
```

LastModifiedTime

The date and time the specified custom medical vocabulary was last modified.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyName

The name of the custom medical vocabulary you requested information about.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyState

The processing state of your custom medical vocabulary. If the state is `READY`, you can use the custom vocabulary in a `StartMedicalTranscriptionJob` request.

Type: String

Valid Values: `PENDING | READY | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity

you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetTranscriptionJob

Service: Amazon Transcribe Service

Provides information about the specified transcription job.

To view the status of the specified transcription job, check the `TranscriptionJobStatus` field. If the status is `COMPLETED`, the job is finished. You can find the results at the location specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

If you enabled content redaction, the redacted transcript can be found at the location specified in `RedactedTranscriptFileUri`.

To get a list of your transcription jobs, use the ListTranscriptionJobs operation.

Request Syntax

```
{
   "TranscriptionJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

TranscriptionJobName

The name of the transcription job you want information about. Job names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
```

```
   "TranscriptionJob": {
      "CompletionTime": number,
      "ContentRedaction": {
         "PiiEntityTypes": [ "string" ],
         "RedactionOutput": "string",
         "RedactionType": "string"
      },
      "CreationTime": number,
      "FailureReason": "string",
      "IdentifiedLanguageScore": number,
      "IdentifyLanguage": boolean,
      "IdentifyMultipleLanguages": boolean,
      "JobExecutionSettings": {
         "AllowDeferredExecution": boolean,
         "DataAccessRoleArn": "string"
      },
      "LanguageCode": "string",
      "LanguageCodes": [
         {
            "DurationInSeconds": number,
            "LanguageCode": "string"
         }
      ],
      "LanguageIdSettings": {
         "string" : {
            "LanguageModelName": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
         }
      },
      "LanguageOptions": [ "string" ],
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MediaFormat": "string",
      "MediaSampleRateHertz": number,
      "ModelSettings": {
         "LanguageModelName": "string"
      },
      "Settings": {
         "ChannelIdentification": boolean,
         "MaxAlternatives": number,
         "MaxSpeakerLabels": number,
```

```
            "ShowAlternatives": boolean,
            "ShowSpeakerLabels": boolean,
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
         },
         "StartTime": number,
         "Subtitles": {
            "Formats": [ "string" ],
            "OutputStartIndex": number,
            "SubtitleFileUris": [ "string" ]
         },
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "ToxicityDetection": [
            {
               "ToxicityCategories": [ "string" ]
            }
         ],
         "Transcript": {
            "RedactedTranscriptFileUri": "string",
            "TranscriptFileUri": "string"
         },
         "TranscriptionJobName": "string",
         "TranscriptionJobStatus": "string"
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TranscriptionJob

Provides detailed information about the specified transcription job, including job status and, if applicable, failure reason.

Type: TranscriptionJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetVocabulary

Service: Amazon Transcribe Service

Provides information about the specified custom vocabulary.

To view the status of the specified custom vocabulary, check the `VocabularyState` field. If the status is `READY`, your custom vocabulary is available to use. If the status is `FAILED`, `FailureReason` provides details on why your custom vocabulary failed.

To get a list of your custom vocabularies, use the ListVocabularies operation.

Request Syntax

```
{
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

VocabularyName

The name of the custom vocabulary you want information about. Custom vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "DataAccessRoleArn": "string",
```

```
   "DownloadUri": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "FailureReason": "string",
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyName": "string",
   "VocabularyState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DataAccessRoleArn

The Amazon Resource Name (ARN) of the IAM role used to access the Amazon S3 bucket that contains your input files and, if applicable, the AWS KMS key specified in `EncryptionConfiguration`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

DownloadUri

The Amazon S3 location where the custom vocabulary is stored; use this URI to view or download the custom vocabulary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

EncryptionConfiguration

The encryption configuration used for your custom vocabulary.

Type: EncryptionConfiguration object

FailureReason

If `VocabularyState` is `FAILED`, `FailureReason` contains information about why the custom vocabulary request failed. See also: Common Errors.

Type: String

LanguageCode

The language code you selected for your custom vocabulary.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

LastModifiedTime

The date and time the specified custom vocabulary was last modified.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyName

The name of the custom vocabulary you requested information about.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyState

The processing state of your custom vocabulary. If the state is `READY`, you can use the custom vocabulary in a `StartTranscriptionJob` request.

Type: String

Valid Values: `PENDING | READY | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.

- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetVocabularyFilter

Service: Amazon Transcribe Service

Provides information about the specified custom vocabulary filter.

To get a list of your custom vocabulary filters, use the ListVocabularyFilters operation.

Request Syntax

```
{
   "VocabularyFilterName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

VocabularyFilterName

The name of the custom vocabulary filter you want information about. Custom vocabulary filter names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "DataAccessRoleArn": "string",
   "DownloadUri": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
```

```
            "string" : "string"
        },
        "KMSKey": "string"
    },
    "LanguageCode": "string",
    "LastModifiedTime": number,
    "VocabularyFilterName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DataAccessRoleArn

The Amazon Resource Name (ARN) of the IAM role used to access the Amazon S3 bucket that contains your input files and, if applicable, the AWS KMS key specified in `EncryptionConfiguration`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

DownloadUri

The Amazon S3 location where the custom vocabulary filter is stored; use this URI to view or download the custom vocabulary filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

EncryptionConfiguration

The encryption configuration used for your custom vocabulary filter.

Type: EncryptionConfiguration object

LanguageCode

The language code you selected for your custom vocabulary filter.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

LastModifiedTime

The date and time the specified custom vocabulary filter was last modified.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyFilterName

The name of the custom vocabulary filter you requested information about.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCallAnalyticsCategories

Service: Amazon Transcribe Service

Provides a list of Call Analytics categories, including all rules that make up each category.

To get detailed information about a specific Call Analytics category, use the GetCallAnalyticsCategory operation.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of Call Analytics categories to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

If your `ListCallAnalyticsCategories` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

Response Syntax

```
{
   "Categories": [
      {
         "CategoryName": "string",
         "CreateTime": number,
         "InputType": "string",
         "LastUpdateTime": number,
         "Rules": [
            { ... }
         ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Categories

Provides detailed information about your Call Analytics categories, including all the rules associated with each category.

Type: Array of CategoryProperties objects

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.

- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCallAnalyticsJobs

Service: Amazon Transcribe Service

Provides a list of Call Analytics jobs that match the specified criteria. If no criteria are specified, all Call Analytics jobs are returned.

To get detailed information about a specific Call Analytics job, use the GetCallAnalyticsJob operation.

Request Syntax

```
{
   "JobNameContains": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Status": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

JobNameContains

Returns only the Call Analytics jobs that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

MaxResults

The maximum number of Call Analytics jobs to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

If your `ListCallAnalyticsJobs` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

Status

Returns only Call Analytics jobs with the specified status. Jobs are ordered by creation date, with the newest job first. If you do not include `Status`, all Call Analytics jobs are returned.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

Response Syntax

```
{
   "CallAnalyticsJobSummaries": [
      {
         "CallAnalyticsJobDetails": {
            "Skipped": [
               {
                  "Feature": "string",
                  "Message": "string",
                  "ReasonCode": "string"
               }
```

```
            ]
         },
         "CallAnalyticsJobName": "string",
         "CallAnalyticsJobStatus": "string",
         "CompletionTime": number,
         "CreationTime": number,
         "FailureReason": "string",
         "LanguageCode": "string",
         "StartTime": number
      }
   ],
   "NextToken": "string",
   "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CallAnalyticsJobSummaries

Provides a summary of information about each result.

Type: Array of CallAnalyticsJobSummary objects

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Status

Lists all Call Analytics jobs that have the status specified in your request. Jobs are ordered by creation date, with the newest job first.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListLanguageModels

Service: Amazon Transcribe Service

Provides a list of custom language models that match the specified criteria. If no criteria are specified, all custom language models are returned.

To get detailed information about a specific custom language model, use the DescribeLanguageModel operation.

Request Syntax

```
{
   "MaxResults": number,
   "NameContains": "string",
   "NextToken": "string",
   "StatusEquals": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of custom language models to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NameContains

Returns only the custom language models that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

NextToken

If your `ListLanguageModels` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

StatusEquals

Returns only custom language models with the specified status. Language models are ordered by creation date, with the newest model first. If you do not include `StatusEquals`, all custom language models are returned.

Type: String

Valid Values: `IN_PROGRESS | FAILED | COMPLETED`

Required: No

Response Syntax

```
{
   "Models": [
      {
         "BaseModelName": "string",
         "CreateTime": number,
         "EncryptionConfiguration": {
            "KMSEncryptionContext": {
               "string" : "string"
```

```
            },
            "KMSKey": "string"
         },
         "FailureReason": "string",
         "InputDataConfig": {
            "DataAccessRoleArn": "string",
            "S3Uri": "string",
            "TuningDataS3Uri": "string"
         },
         "LanguageCode": "string",
         "LastModifiedTime": number,
         "ModelName": "string",
         "ModelStatus": "string",
         "UpgradeAvailability": boolean
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Models

Provides information about the custom language models that match the criteria specified in your request.

Type: Array of LanguageModel objects

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListMedicalScribeJobs

Service: Amazon Transcribe Service

Provides a list of Medical Scribe jobs that match the specified criteria. If no criteria are specified, all Medical Scribe jobs are returned.

To get detailed information about a specific Medical Scribe job, use the GetMedicalScribeJob operation.

Request Syntax

```
{
   "JobNameContains": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Status": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

JobNameContains

Returns only the Medical Scribe jobs that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

MaxResults

The maximum number of Medical Scribe jobs to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

If your `ListMedicalScribeJobs` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

Status

Returns only Medical Scribe jobs with the specified status. Jobs are ordered by creation date, with the newest job first. If you do not include `Status`, all Medical Scribe jobs are returned.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

Response Syntax

```
{
   "MedicalScribeJobSummaries": [
      {
         "CompletionTime": number,
         "CreationTime": number,
         "FailureReason": "string",
         "LanguageCode": "string",
         "MedicalScribeJobName": "string",
         "MedicalScribeJobStatus": "string",
         "StartTime": number
```

```
      }
   ],
   "NextToken": "string",
   "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalScribeJobSummaries

Provides a summary of information about each result.

Type: Array of MedicalScribeJobSummary objects

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Status

Lists all Medical Scribe jobs that have the status specified in your request. Jobs are ordered by creation date, with the newest job first.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListMedicalTranscriptionJobs

Service: Amazon Transcribe Service

Provides a list of medical transcription jobs that match the specified criteria. If no criteria are specified, all medical transcription jobs are returned.

To get detailed information about a specific medical transcription job, use the GetMedicalTranscriptionJob operation.

Request Syntax

```
{
   "JobNameContains": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Status": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

JobNameContains

Returns only the medical transcription jobs that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

MaxResults

The maximum number of medical transcription jobs to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

If your `ListMedicalTranscriptionJobs` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

Status

Returns only medical transcription jobs with the specified status. Jobs are ordered by creation date, with the newest job first. If you do not include `Status`, all medical transcription jobs are returned.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

Response Syntax

```
{
   "MedicalTranscriptionJobSummaries": [
      {
         "CompletionTime": number,
         "ContentIdentificationType": "string",
         "CreationTime": number,
         "FailureReason": "string",
         "LanguageCode": "string",
         "MedicalTranscriptionJobName": "string",
```

```
            "OutputLocationType": "string",
            "Specialty": "string",
            "StartTime": number,
            "TranscriptionJobStatus": "string",
            "Type": "string"
        }
    ],
    "NextToken": "string",
    "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalTranscriptionJobSummaries

Provides a summary of information about each result.

Type: Array of MedicalTranscriptionJobSummary objects

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Status

Lists all medical transcription jobs that have the status specified in your request. Jobs are ordered by creation date, with the newest job first.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListMedicalVocabularies

Service: Amazon Transcribe Service

Provides a list of custom medical vocabularies that match the specified criteria. If no criteria are specified, all custom medical vocabularies are returned.

To get detailed information about a specific custom medical vocabulary, use the GetMedicalVocabulary operation.

Request Syntax

```
{
   "MaxResults": number,
   "NameContains": "string",
   "NextToken": "string",
   "StateEquals": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of custom medical vocabularies to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NameContains

Returns only the custom medical vocabularies that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

NextToken

If your `ListMedicalVocabularies` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

StateEquals

Returns only custom medical vocabularies with the specified state. Custom vocabularies are ordered by creation date, with the newest vocabulary first. If you do not include `StateEquals`, all custom medical vocabularies are returned.

Type: String

Valid Values: `PENDING | READY | FAILED`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Status": "string",
   "Vocabularies": [
      {
         "LanguageCode": "string",
         "LastModifiedTime": number,
         "VocabularyName": "string",
```

```
            "VocabularyState": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Status

Lists all custom medical vocabularies that have the status specified in your request. Custom vocabularies are ordered by creation date, with the newest vocabulary first.

Type: String

Valid Values: `PENDING | READY | FAILED`

Vocabularies

Provides information about the custom medical vocabularies that match the criteria specified in your request.

Type: Array of VocabularyInfo objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTagsForResource

Service: Amazon Transcribe Service

Lists all tags associated with the specified transcription job, vocabulary, model, or resource.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Request Syntax

```
{
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

Returns a list of all tags associated with the specified Amazon Resource Name (ARN). ARNs have the format `arn:partition:service:region:account-id:resource-type/resource-id`.

For example, `arn:aws:transcribe:us-west-2:111122223333:transcription-job/transcription-job-name`.

Valid values for `resource-type` are: `transcription-job`, `medical-transcription-job`, `vocabulary`, `medical-vocabulary`, `vocabulary-filter`, and `language-model`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[^:]+)?:transcribe:[a-zA-Z0-9-]*:[0-9]{12}:[a-zA-Z-]*/[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "ResourceArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourceArn

The Amazon Resource Name (ARN) specified in your request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[^:]+)?:transcribe:[a-zA-Z0-9-]*:[0-9]{12}:[a-zA-Z-]*/[0-9a-zA-Z._-]+`

Tags

Lists all tags associated with the given transcription job, vocabulary, model, or resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTranscriptionJobs

Service: Amazon Transcribe Service

Provides a list of transcription jobs that match the specified criteria. If no criteria are specified, all transcription jobs are returned.

To get detailed information about a specific transcription job, use the GetTranscriptionJob operation.

Request Syntax

```
{
   "JobNameContains": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Status": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

JobNameContains

Returns only the transcription jobs that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

MaxResults

The maximum number of transcription jobs to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

If your `ListTranscriptionJobs` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

Status

Returns only transcription jobs with the specified status. Jobs are ordered by creation date, with the newest job first. If you do not include `Status`, all transcription jobs are returned.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Status": "string",
   "TranscriptionJobSummaries": [
      {
         "CompletionTime": number,
         "ContentRedaction": {
            "PiiEntityTypes": [ "string" ],
            "RedactionOutput": "string",
            "RedactionType": "string"
```

```
         },
         "CreationTime": number,
         "FailureReason": "string",
         "IdentifiedLanguageScore": number,
         "IdentifyLanguage": boolean,
         "IdentifyMultipleLanguages": boolean,
         "LanguageCode": "string",
         "LanguageCodes": [
            {
               "DurationInSeconds": number,
               "LanguageCode": "string"
            }
         ],
         "ModelSettings": {
            "LanguageModelName": "string"
         },
         "OutputLocationType": "string",
         "StartTime": number,
         "ToxicityDetection": [
            {
               "ToxicityCategories": [ "string" ]
            }
         ],
         "TranscriptionJobName": "string",
         "TranscriptionJobStatus": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Status

Lists all transcription jobs that have the status specified in your request. Jobs are ordered by creation date, with the newest job first.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

TranscriptionJobSummaries

Provides a summary of information about each result.

Type: Array of TranscriptionJobSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.

- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListVocabularies

Service: Amazon Transcribe Service

Provides a list of custom vocabularies that match the specified criteria. If no criteria are specified, all custom vocabularies are returned.

To get detailed information about a specific custom vocabulary, use the GetVocabulary operation.

Request Syntax

```
{
   "MaxResults": number,
   "NameContains": "string",
   "NextToken": "string",
   "StateEquals": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of custom vocabularies to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NameContains

Returns only the custom vocabularies that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

NextToken

If your `ListVocabularies` request returns more results than can be displayed, `NextToken` is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Required: No

StateEquals

Returns only custom vocabularies with the specified state. Vocabularies are ordered by creation date, with the newest vocabulary first. If you do not include `StateEquals`, all custom medical vocabularies are returned.

Type: String

Valid Values: `PENDING | READY | FAILED`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Status": "string",
   "Vocabularies": [
      {
         "LanguageCode": "string",
         "LastModifiedTime": number,
         "VocabularyName": "string",
         "VocabularyState": "string"
```

```
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If `NextToken` is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the `NextToken` parameter in your results output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

Status

Lists all custom vocabularies that have the status specified in your request. Vocabularies are ordered by creation date, with the newest vocabulary first.

Type: String

Valid Values: `PENDING | READY | FAILED`

Vocabularies

Provides information about the custom vocabularies that match the criteria specified in your request.

Type: Array of VocabularyInfo objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListVocabularyFilters

Service: Amazon Transcribe Service

Provides a list of custom vocabulary filters that match the specified criteria. If no criteria are specified, all custom vocabularies are returned.

To get detailed information about a specific custom vocabulary filter, use the GetVocabularyFilter operation.

Request Syntax

```
{
   "MaxResults": number,
   "NameContains": "string",
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of custom vocabulary filters to return in each page of results. If there are fewer results than the value that you specify, only the actual results are returned. If you do not specify a value, a default of 5 is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NameContains

Returns only the custom vocabulary filters that contain the specified string. The search is not case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

NextToken

If your ListVocabularyFilters request returns more results than can be displayed, NextToken is displayed in the response with an associated string. To get the next page of results, copy this string and repeat your request, including NextToken with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: .+

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "VocabularyFilters": [
      {
         "LanguageCode": "string",
         "LastModifiedTime": number,
         "VocabularyFilterName": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If NextToken is present in your response, it indicates that not all results are displayed. To view the next set of results, copy the string associated with the NextToken parameter in your results

output, then run your request again including `NextToken` with the value of the copied string. Repeat as needed to view all your results.

Type: String

Length Constraints: Maximum length of 8192.

Pattern: `.+`

VocabularyFilters

Provides information about the custom vocabulary filters that match the criteria specified in your request.

Type: Array of VocabularyFilterInfo objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.

- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartCallAnalyticsJob

Service: Amazon Transcribe Service

Transcribes the audio from a customer service call and applies any additional Request Parameters you choose to include in your request.

In addition to many standard transcription features, Call Analytics provides you with call characteristics, call summarization, speaker sentiment, and optional redaction of your text transcript and your audio file. You can also apply custom categories to flag specified conditions. To learn more about these features and insights, refer to Analyzing call center audio with Call Analytics.

If you want to apply categories to your Call Analytics job, you must create them before submitting your job request. Categories cannot be retroactively applied to a job. To create a new category, use the CreateCallAnalyticsCategory operation. To learn more about Call Analytics categories, see Creating categories for post-call transcriptions and Creating categories for real-time transcriptions.

To make a `StartCallAnalyticsJob` request, you must first upload your media file into an Amazon S3 bucket; you can then specify the Amazon S3 location of the file using the `Media` parameter.

Job queuing is available for Call Analytics jobs. If you pass a `DataAccessRoleArn` in your request and you exceed your Concurrent Job Limit, your job will automatically be added to a queue to be processed once your concurrent job count is below the limit.

You must include the following parameters in your `StartCallAnalyticsJob` request:

- `region`: The AWS Region where you are making your request. For a list of AWS Regions supported with Amazon Transcribe, refer to Amazon Transcribe endpoints and quotas.
- `CallAnalyticsJobName`: A custom name that you create for your transcription job that's unique within your AWS account.
- `Media` (`MediaFileUri` or `RedactedMediaFileUri`): The Amazon S3 location of your media file.

Note

With Call Analytics, you can redact the audio contained in your media file by including `RedactedMediaFileUri`, instead of `MediaFileUri`, to specify the location of your input

audio. If you choose to redact your audio, you can find your redacted media at the location specified in the `RedactedMediaFileUri` field of your response.

Request Syntax

```
{
   "CallAnalyticsJobName": "string",
   "ChannelDefinitions": [
      {
         "ChannelId": number,
         "ParticipantRole": "string"
      }
   ],
   "DataAccessRoleArn": "string",
   "Media": {
      "MediaFileUri": "string",
      "RedactedMediaFileUri": "string"
   },
   "OutputEncryptionKMSKeyId": "string",
   "OutputLocation": "string",
   "Settings": {
      "ContentRedaction": {
         "PiiEntityTypes": [ "string" ],
         "RedactionOutput": "string",
         "RedactionType": "string"
      },
      "LanguageIdSettings": {
         "string" : {
            "LanguageModelName": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
         }
      },
      "LanguageModelName": "string",
      "LanguageOptions": [ "string" ],
      "Summarization": {
         "GenerateAbstractiveSummary": boolean
      },
      "VocabularyFilterMethod": "string",
      "VocabularyFilterName": "string",
      "VocabularyName": "string"
   },
```

```
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CallAnalyticsJobName

A unique name, chosen by you, for your Call Analytics job.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new job with the same name as an existing job, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

ChannelDefinitions

Makes it possible to specify which speaker is on which channel. For example, if your agent is the first participant to speak, you would set `ChannelId` to `0` (to indicate the first channel) and `ParticipantRole` to `AGENT` (to indicate that it's the agent speaking).

Type: Array of ChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files. If the role that you specify doesn't have the appropriate permissions to access the specified Amazon S3 location, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

Media

Describes the Amazon S3 location of the media file you want to use in your Call Analytics request.

Type: Media object

Required: Yes

OutputEncryptionKMSKeyId

The Amazon Resource Name (ARN) of a KMS key that you want to use to encrypt your Call Analytics output.

KMS key ARNs have the format `arn:partition:kms:region:account:key/key-id`. For example: `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`. For more information, see KMS key ARNs.

If you do not specify an encryption key, your output is encrypted with the default Amazon S3 key (SSE-S3).

Note that the role making the StartCallAnalyticsJob request and the role specified in the `DataAccessRoleArn` request parameter (if present) must have permission to use the specified KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,2048}$`

Required: No

OutputLocation

The Amazon S3 location where you want your Call Analytics transcription output stored. You can use any of the following formats to specify the output location:

1. s3://DOC-EXAMPLE-BUCKET
2. s3://DOC-EXAMPLE-BUCKET/my-output-folder/
3. s3://DOC-EXAMPLE-BUCKET/my-output-folder/my-call-analytics-job.json

Unless you specify a file name (option 3), the name of your output file has a default value that matches the name you specified for your transcription job using the `CallAnalyticsJobName` parameter.

You can specify a KMS key to encrypt your output using the `OutputEncryptionKMSKeyId` parameter. If you do not specify a KMS key, Amazon Transcribe uses the default Amazon S3 key for server-side encryption.

If you do not specify `OutputLocation`, your transcript is placed in a service-managed Amazon S3 bucket and you are provided with a URI to access your transcript.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

Settings

Specify additional optional settings in your StartCallAnalyticsJob request, including content redaction; allows you to apply custom language models, vocabulary filters, and custom vocabularies to your Call Analytics job.

Type: CallAnalyticsJobSettings object

Required: No

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new call analytics job at the time you start this new job.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
{
   "CallAnalyticsJob": {
      "CallAnalyticsJobDetails": {
         "Skipped": [
            {
               "Feature": "string",
               "Message": "string",
               "ReasonCode": "string"
            }
         ]
      },
      "CallAnalyticsJobName": "string",
      "CallAnalyticsJobStatus": "string",
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "CompletionTime": number,
      "CreationTime": number,
      "DataAccessRoleArn": "string",
      "FailureReason": "string",
      "IdentifiedLanguageScore": number,
      "LanguageCode": "string",
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
```

```
      },
      "MediaFormat": "string",
      "MediaSampleRateHertz": number,
      "Settings": {
         "ContentRedaction": {
            "PiiEntityTypes": [ "string" ],
            "RedactionOutput": "string",
            "RedactionType": "string"
         },
         "LanguageIdSettings": {
            "string" : {
               "LanguageModelName": "string",
               "VocabularyFilterName": "string",
               "VocabularyName": "string"
            }
         },
         "LanguageModelName": "string",
         "LanguageOptions": [ "string" ],
         "Summarization": {
            "GenerateAbstractiveSummary": boolean
         },
         "VocabularyFilterMethod": "string",
         "VocabularyFilterName": "string",
         "VocabularyName": "string"
      },
      "StartTime": number,
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "Transcript": {
         "RedactedTranscriptFileUri": "string",
         "TranscriptFileUri": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CallAnalyticsJob

Provides detailed information about the current Call Analytics job, including job status and, if applicable, failure reason.

Type: CallAnalyticsJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartMedicalScribeJob

Service: Amazon Transcribe Service

Transcribes patient-clinician conversations and generates clinical notes.

AWS HealthScribe automatically provides rich conversation transcripts, identifies speaker roles, classifies dialogues, extracts medical terms, and generates preliminary clinical notes. To learn more about these features, refer to AWS HealthScribe.

To make a `StartMedicalScribeJob` request, you must first upload your media file into an Amazon S3 bucket; you can then specify the Amazon S3 location of the file using the `Media` parameter.

You must include the following parameters in your `StartMedicalTranscriptionJob` request:

- `DataAccessRoleArn`: The ARN of an IAM role with the these minimum permissions: read permission on input file Amazon S3 bucket specified in `Media`, write permission on the Amazon S3 bucket specified in `OutputBucketName`, and full permissions on the AWS KMS key specified in `OutputEncryptionKMSKeyId` (if set). The role should also allow `transcribe.amazonaws.com` to assume it.
- `Media` (`MediaFileUri`): The Amazon S3 location of your media file.
- `MedicalScribeJobName`: A custom name you create for your MedicalScribe job that is unique within your AWS account.
- `OutputBucketName`: The Amazon S3 bucket where you want your output files stored.
- `Settings`: A `MedicalScribeSettings` object that must set exactly one of `ShowSpeakerLabels` or `ChannelIdentification` to true. If `ShowSpeakerLabels` is true, `MaxSpeakerLabels` must also be set.
- `ChannelDefinitions`: A `MedicalScribeChannelDefinitions` array should be set if and only if the `ChannelIdentification` value of `Settings` is set to true.

Request Syntax

```
{
   "ChannelDefinitions": [
      {
         "ChannelId": number,
```

```
            "ParticipantRole": "string"
         }
      ],
      "DataAccessRoleArn": "string",
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MedicalScribeContext": {
         "PatientContext": {
            "Pronouns": "string"
         }
      },
      "MedicalScribeJobName": "string",
      "OutputBucketName": "string",
      "OutputEncryptionKMSKeyId": "string",
      "Settings": {
         "ChannelIdentification": boolean,
         "ClinicalNoteGenerationSettings": {
            "NoteTemplate": "string"
         },
         "MaxSpeakerLabels": number,
         "ShowSpeakerLabels": boolean,
         "VocabularyFilterMethod": "string",
         "VocabularyFilterName": "string",
         "VocabularyName": "string"
      },
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ChannelDefinitions

Makes it possible to specify which speaker is on which channel. For example, if the clinician is the first participant to speak, you would set `ChannelId` of the first `ChannelDefinition` in the list to `0` (to indicate the first channel) and `ParticipantRole` to `CLINICIAN` (to indicate that it's the clinician speaking). Then you would set the `ChannelId` of the second `ChannelDefinition` in the list to `1` (to indicate the second channel) and `ParticipantRole` to `PATIENT` (to indicate that it's the patient speaking).

Type: Array of MedicalScribeChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files, write to the output bucket, and use your AWS KMS key if supplied. If the role that you specify doesn't have the appropriate permissions your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: Yes

KMSEncryptionContext

A map of plain text, non-secret key:value pairs, known as encryption context pairs, that provide an added layer of security for your data. For more information, see AWS KMS encryption context and Asymmetric keys in AWS KMS.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 2000.

Key Pattern: `^[\x20-\x7E]+$`

Value Length Constraints: Minimum length of 1. Maximum length of 2000.

Value Pattern: `^[\x20-\x7E]+$`

Required: No

Media

Describes the Amazon S3 location of the media file you want to use in your request.

For information on supported media formats, refer to the `MediaFormat` parameter or the Media formats section in the Amazon S3 Developer Guide.

Type: Media object

Required: Yes

MedicalScribeContext

The `MedicalScribeContext` object that contains contextual information which is used during clinical note generation to add relevant context to the note.

Type: MedicalScribeContext object

Required: No

MedicalScribeJobName

A unique name, chosen by you, for your Medical Scribe job.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new job with the same name as an existing job, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

OutputBucketName

The name of the Amazon S3 bucket where you want your Medical Scribe output stored. Do not include the `S3://` prefix of the specified bucket.

Note that the role specified in the `DataAccessRoleArn` request parameter must have permission to use the specified location. You can change Amazon S3 permissions using the AWS Management Console. See also Permissions Required for IAM User Roles.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: Yes

OutputEncryptionKMSKeyId

The Amazon Resource Name (ARN) of a KMS key that you want to use to encrypt your Medical Scribe output.

KMS key ARNs have the format `arn:partition:kms:region:account:key/key-id`. For example: `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`. For more information, see KMS key ARNs.

If you do not specify an encryption key, your output is encrypted with the default Amazon S3 key (SSE-S3).

Note that the role making the StartMedicalScribeJob request and the role specified in the `DataAccessRoleArn` request parameter (if present) must have permission to use the specified KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,2048}$`

Required: No

Settings

Makes it possible to control how your Medical Scribe job is processed using a `MedicalScribeSettings` object. Specify `ChannelIdentification` if `ChannelDefinitions` are set. Enabled `ShowSpeakerLabels` if `ChannelIdentification` and `ChannelDefinitions` are not set. One and only one of `ChannelIdentification` and `ShowSpeakerLabels` must be set. If `ShowSpeakerLabels` is set, `MaxSpeakerLabels` must also be set. Use `Settings` to specify a vocabulary or vocabulary filter or both using `VocabularyName`, `VocabularyFilterName`. `VocabularyFilterMethod` must be specified if `VocabularyFilterName` is set.

Type: MedicalScribeSettings object

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to the Medical Scribe job.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
{
   "MedicalScribeJob": {
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "CompletionTime": number,
      "CreationTime": number,
      "DataAccessRoleArn": "string",
      "FailureReason": "string",
      "LanguageCode": "string",
      "Media": {
```

```
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MedicalScribeContextProvided": boolean,
      "MedicalScribeJobName": "string",
      "MedicalScribeJobStatus": "string",
      "MedicalScribeOutput": {
         "ClinicalDocumentUri": "string",
         "TranscriptFileUri": "string"
      },
      "Settings": {
         "ChannelIdentification": boolean,
         "ClinicalNoteGenerationSettings": {
            "NoteTemplate": "string"
         },
         "MaxSpeakerLabels": number,
         "ShowSpeakerLabels": boolean,
         "VocabularyFilterMethod": "string",
         "VocabularyFilterName": "string",
         "VocabularyName": "string"
      },
      "StartTime": number,
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalScribeJob

Provides detailed information about the current Medical Scribe job, including job status and, if applicable, failure reason.

Type: MedicalScribeJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartMedicalTranscriptionJob

Service: Amazon Transcribe Service

Transcribes the audio from a medical dictation or conversation and applies any additional Request Parameters you choose to include in your request.

In addition to many standard transcription features, Amazon Transcribe Medical provides you with a robust medical vocabulary and, optionally, content identification, which adds flags to personal health information (PHI). To learn more about these features, refer to How Amazon Transcribe Medical works.

To make a `StartMedicalTranscriptionJob` request, you must first upload your media file into an Amazon S3 bucket; you can then specify the Amazon S3 location of the file using the `Media` parameter.

You must include the following parameters in your `StartMedicalTranscriptionJob` request:

- `region`: The AWS Region where you are making your request. For a list of AWS Regions supported with Amazon Transcribe, refer to Amazon Transcribe endpoints and quotas.
- `MedicalTranscriptionJobName`: A custom name you create for your transcription job that is unique within your AWS account.
- `Media` (`MediaFileUri`): The Amazon S3 location of your media file.
- `LanguageCode`: This must be `en-US`.
- `OutputBucketName`: The Amazon S3 bucket where you want your transcript stored. If you want your output stored in a sub-folder of this bucket, you must also include `OutputKey`.
- `Specialty`: This must be `PRIMARYCARE`.
- `Type`: Choose whether your audio is a conversation or a dictation.

Request Syntax

```
{
   "ContentIdentificationType": "string",
   "KMSEncryptionContext": {
      "string" : "string"
   },
   "LanguageCode": "string",
   "Media": {
```

```
      "MediaFileUri": "string",
      "RedactedMediaFileUri": "string"
   },
   "MediaFormat": "string",
   "MediaSampleRateHertz": number,
   "MedicalTranscriptionJobName": "string",
   "OutputBucketName": "string",
   "OutputEncryptionKMSKeyId": "string",
   "OutputKey": "string",
   "Settings": {
      "ChannelIdentification": boolean,
      "MaxAlternatives": number,
      "MaxSpeakerLabels": number,
      "ShowAlternatives": boolean,
      "ShowSpeakerLabels": boolean,
      "VocabularyName": "string"
   },
   "Specialty": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ContentIdentificationType

Labels all personal health information (PHI) identified in your transcript. For more information, see Identifying personal health information (PHI) in a transcription.

Type: String

Valid Values: PHI

Required: No

KMSEncryptionContext

A map of plain text, non-secret key:value pairs, known as encryption context pairs, that provide an added layer of security for your data. For more information, see AWS KMS encryption context and Asymmetric keys in AWS KMS.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 2000.

Key Pattern: `^[\x20-\x7E]+$`

Value Length Constraints: Minimum length of 1. Maximum length of 2000.

Value Pattern: `^[\x20-\x7E]+$`

Required: No

LanguageCode

The language code that represents the language spoken in the input media file. US English (`en-US`) is the only valid value for medical transcription jobs. Any other value you enter for language code results in a `BadRequestException` error.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: Yes

Media

Describes the Amazon S3 location of the media file you want to use in your request.

For information on supported media formats, refer to the `MediaFormat` parameter or the Media formats section in the Amazon S3 Developer Guide.

Type: Media object

Required: Yes

MediaFormat

Specify the format of your input media file.

Type: String

Valid Values: `mp3 | mp4 | wav | flac | ogg | amr | webm | m4a`

Required: No

MediaSampleRateHertz

The sample rate, in hertz, of the audio track in your input media file.

If you do not specify the media sample rate, Amazon Transcribe Medical determines it for you. If you specify the sample rate, it must match the rate detected by Amazon Transcribe Medical; if there's a mismatch between the value that you specify and the value detected, your job fails. Therefore, in most cases, it's advised to omit `MediaSampleRateHertz` and let Amazon Transcribe Medical determine the sample rate.

Type: Integer

Valid Range: Minimum value of 16000. Maximum value of 48000.

Required: No

MedicalTranscriptionJobName

A unique name, chosen by you, for your medical transcription job. The name that you specify is also used as the default name of your transcription output file. If you want to specify a different name for your transcription output, use the `OutputKey` parameter.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new job with the same name as an existing job, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

OutputBucketName

The name of the Amazon S3 bucket where you want your medical transcription output stored. Do not include the `S3://` prefix of the specified bucket.

If you want your output to go to a sub-folder of this bucket, specify it using the `OutputKey` parameter; `OutputBucketName` only accepts the name of a bucket.

For example, if you want your output stored in `S3://DOC-EXAMPLE-BUCKET`, set `OutputBucketName` to `DOC-EXAMPLE-BUCKET`. However, if you want your output stored in `S3://DOC-EXAMPLE-BUCKET/test-files/`, set `OutputBucketName` to `DOC-EXAMPLE-BUCKET` and `OutputKey` to `test-files/`.

Note that Amazon Transcribe must have permission to use the specified location. You can change Amazon S3 permissions using the AWS Management Console. See also Permissions Required for IAM User Roles.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: Yes

OutputEncryptionKMSKeyId

The Amazon Resource Name (ARN) of a KMS key that you want to use to encrypt your medical transcription output.

KMS key ARNs have the format `arn:partition:kms:region:account:key/key-id`. For example: `arn:aws:kms:us-`

west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab. For more information, see KMS key ARNs.

If you do not specify an encryption key, your output is encrypted with the default Amazon S3 key (SSE-S3).

Note that the role making the StartMedicalTranscriptionJob request and the role specified in the DataAccessRoleArn request parameter (if present) must have permission to use the specified KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,2048}$

Required: No

OutputKey

Use in combination with OutputBucketName to specify the output location of your transcript and, optionally, a unique name for your output file. The default name for your transcription output is the same as the name you specified for your medical transcription job (MedicalTranscriptionJobName).

Here are some examples of how you can use OutputKey:

- If you specify 'DOC-EXAMPLE-BUCKET' as the OutputBucketName and 'my-transcript.json' as the OutputKey, your transcription output path is s3://DOC-EXAMPLE-BUCKET/my-transcript.json.
- If you specify 'my-first-transcription' as the MedicalTranscriptionJobName, 'DOC-EXAMPLE-BUCKET' as the OutputBucketName, and 'my-transcript' as the OutputKey, your transcription output path is s3://DOC-EXAMPLE-BUCKET/my-transcript/my-first-transcription.json.
- If you specify 'DOC-EXAMPLE-BUCKET' as the OutputBucketName and 'test-files/my-transcript.json' as the OutputKey, your transcription output path is s3://DOC-EXAMPLE-BUCKET/test-files/my-transcript.json.
- If you specify 'my-first-transcription' as the MedicalTranscriptionJobName, 'DOC-EXAMPLE-BUCKET' as the OutputBucketName, and 'test-files/my-transcript' as the OutputKey, your transcription output path is s3://DOC-EXAMPLE-BUCKET/test-files/my-transcript/my-first-transcription.json.

If you specify the name of an Amazon S3 bucket sub-folder that doesn't exist, one is created for you.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9-_.!*'()/]{1,1024}$`

Required: No

Settings

Specify additional optional settings in your StartMedicalTranscriptionJob request, including channel identification, alternative transcriptions, and speaker partitioning. You can use that to apply custom vocabularies to your transcription job.

Type: MedicalTranscriptionSetting object

Required: No

Specialty

Specify the predominant medical specialty represented in your media. For batch transcriptions, `PRIMARYCARE` is the only valid value. If you require additional specialties, refer to StartMedicalStreamTranscription.

Type: String

Valid Values: `PRIMARYCARE`

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new medical transcription job at the time you start this new job.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Type

Specify whether your input media contains only one person (DICTATION) or contains a conversation between two people (CONVERSATION).

For example, DICTATION could be used for a medical professional wanting to transcribe voice memos; CONVERSATION could be used for transcribing the doctor-patient dialogue during the patient's office visit.

Type: String

Valid Values: CONVERSATION | DICTATION

Required: Yes

Response Syntax

```
{
   "MedicalTranscriptionJob": {
      "CompletionTime": number,
      "ContentIdentificationType": "string",
      "CreationTime": number,
      "FailureReason": "string",
      "LanguageCode": "string",
      "Media": {
         "MediaFileUri": "string",
         "RedactedMediaFileUri": "string"
      },
      "MediaFormat": "string",
      "MediaSampleRateHertz": number,
      "MedicalTranscriptionJobName": "string",
      "Settings": {
         "ChannelIdentification": boolean,
         "MaxAlternatives": number,
         "MaxSpeakerLabels": number,
         "ShowAlternatives": boolean,
         "ShowSpeakerLabels": boolean,
         "VocabularyName": "string"
      },
      "Specialty": "string",
      "StartTime": number,
      "Tags": [
```

```
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "Transcript": {
            "TranscriptFileUri": "string"
         },
         "TranscriptionJobStatus": "string",
         "Type": "string"
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalTranscriptionJob

Provides detailed information about the current medical transcription job, including job status and, if applicable, failure reason.

Type: MedicalTranscriptionJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartTranscriptionJob

Service: Amazon Transcribe Service

Transcribes the audio from a media file and applies any additional Request Parameters you choose to include in your request.

To make a `StartTranscriptionJob` request, you must first upload your media file into an Amazon S3 bucket; you can then specify the Amazon S3 location of the file using the `Media` parameter.

You must include the following parameters in your `StartTranscriptionJob` request:

- `region`: The AWS Region where you are making your request. For a list of AWS Regions supported with Amazon Transcribe, refer to Amazon Transcribe endpoints and quotas.
- `TranscriptionJobName`: A custom name you create for your transcription job that is unique within your AWS account.
- `Media` (`MediaFileUri`): The Amazon S3 location of your media file.
- One of `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages`: If you know the language of your media file, specify it using the `LanguageCode` parameter; you can find all valid language codes in the Supported languages table. If you do not know the languages spoken in your media, use either `IdentifyLanguage` or `IdentifyMultipleLanguages` and let Amazon Transcribe identify the languages for you.

Request Syntax

```
{
   "ContentRedaction": {
      "PiiEntityTypes": [ "string" ],
      "RedactionOutput": "string",
      "RedactionType": "string"
   },
   "IdentifyLanguage": boolean,
   "IdentifyMultipleLanguages": boolean,
   "JobExecutionSettings": {
      "AllowDeferredExecution": boolean,
      "DataAccessRoleArn": "string"
   },
   "KMSEncryptionContext": {
      "string" : "string"
```

```
   },
   "LanguageCode": "string",
   "LanguageIdSettings": {
      "string" : {
         "LanguageModelName": "string",
         "VocabularyFilterName": "string",
         "VocabularyName": "string"
      }
   },
   "LanguageOptions": [ "string" ],
   "Media": {
      "MediaFileUri": "string",
      "RedactedMediaFileUri": "string"
   },
   "MediaFormat": "string",
   "MediaSampleRateHertz": number,
   "ModelSettings": {
      "LanguageModelName": "string"
   },
   "OutputBucketName": "string",
   "OutputEncryptionKMSKeyId": "string",
   "OutputKey": "string",
   "Settings": {
      "ChannelIdentification": boolean,
      "MaxAlternatives": number,
      "MaxSpeakerLabels": number,
      "ShowAlternatives": boolean,
      "ShowSpeakerLabels": boolean,
      "VocabularyFilterMethod": "string",
      "VocabularyFilterName": "string",
      "VocabularyName": "string"
   },
   "Subtitles": {
      "Formats": [ "string" ],
      "OutputStartIndex": number
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "ToxicityDetection": [
      {
```

```
            "ToxicityCategories": [ "string" ]
        }
    ],
    "TranscriptionJobName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ContentRedaction

Makes it possible to redact specified personally identifiable information (PII) in your transcript. If you use `ContentRedaction`, you must also include the sub-parameters: `RedactionOutput` and `RedactionType`. You can optionally include `PiiEntityTypes` to choose which types of PII you want to redact. If you do not include `PiiEntityTypes` in your request, all PII is redacted.

Type: ContentRedaction object

Required: No

IdentifyLanguage

Enables automatic language identification in your transcription job request. Use this parameter if your media file contains only one language. If your media contains multiple languages, use `IdentifyMultipleLanguages` instead.

If you include `IdentifyLanguage`, you can optionally include a list of language codes, using `LanguageOptions`, that you think may be present in your media file. Including `LanguageOptions` restricts `IdentifyLanguage` to only the language options that you specify, which can improve transcription accuracy.

If you want to apply a custom language model, a custom vocabulary, or a custom vocabulary filter to your automatic language identification request, include `LanguageIdSettings` with the relevant sub-parameters (`VocabularyName`, `LanguageModelName`, and `VocabularyFilterName`). If you include `LanguageIdSettings`, also include `LanguageOptions`.

Note that you must include one of `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages` in your request. If you include more than one of these parameters, your transcription job fails.

Type: Boolean

Required: No

IdentifyMultipleLanguages

Enables automatic multi-language identification in your transcription job request. Use this parameter if your media file contains more than one language. If your media contains only one language, use `IdentifyLanguage` instead.

If you include `IdentifyMultipleLanguages`, you can optionally include a list of language codes, using `LanguageOptions`, that you think may be present in your media file. Including `LanguageOptions` restricts `IdentifyLanguage` to only the language options that you specify, which can improve transcription accuracy.

If you want to apply a custom vocabulary or a custom vocabulary filter to your automatic language identification request, include `LanguageIdSettings` with the relevant sub-parameters (`VocabularyName` and `VocabularyFilterName`). If you include `LanguageIdSettings`, also include `LanguageOptions`.

Note that you must include one of `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages` in your request. If you include more than one of these parameters, your transcription job fails.

Type: Boolean

Required: No

JobExecutionSettings

Makes it possible to control how your transcription job is processed. Currently, the only `JobExecutionSettings` modification you can choose is enabling job queueing using the `AllowDeferredExecution` sub-parameter.

If you include `JobExecutionSettings` in your request, you must also include the sub-parameters: `AllowDeferredExecution` and `DataAccessRoleArn`.

Type: JobExecutionSettings object

Required: No

KMSEncryptionContext

A map of plain text, non-secret key:value pairs, known as encryption context pairs, that provide an added layer of security for your data. For more information, see AWS KMS encryption context and Asymmetric keys in AWS KMS.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 2000.

Key Pattern: `^[\x20-\x7E]+$`

Value Length Constraints: Minimum length of 1. Maximum length of 2000.

Value Pattern: `^[\x20-\x7E]+$`

Required: No

LanguageCode

The language code that represents the language spoken in the input media file.

If you're unsure of the language spoken in your media file, consider using `IdentifyLanguage` or `IdentifyMultipleLanguages` to enable automatic language identification.

Note that you must include one of `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages` in your request. If you include more than one of these parameters, your transcription job fails.

For a list of supported languages and their associated language codes, refer to the Supported languages table.

> **Note**
>
> To transcribe speech in Modern Standard Arabic (`ar-SA`) in AWS GovCloud (US) (US-West, us-gov-west-1), AWS GovCloud (US) (US-East, us-gov-east-1), Canada (Calgary, ca-west-1) and Africa (Cape Town, af-south-1), your media file must be encoded at a sample rate of 16,000 Hz or higher.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

LanguageIdSettings

If using automatic language identification in your request and you want to apply a custom language model, a custom vocabulary, or a custom vocabulary filter, include `LanguageIdSettings` with the relevant sub-parameters (`VocabularyName`, `LanguageModelName`, and `VocabularyFilterName`). Note that multi-language identification (`IdentifyMultipleLanguages`) doesn't support custom language models.

`LanguageIdSettings` supports two to five language codes. Each language code you include can have an associated custom language model, custom vocabulary, and custom vocabulary filter. The language codes that you specify must match the languages of the associated custom language models, custom vocabularies, and custom vocabulary filters.

It's recommended that you include `LanguageOptions` when using `LanguageIdSettings` to ensure that the correct language dialect is identified. For example, if you specify a custom vocabulary that is in `en-US` but Amazon Transcribe determines that the language spoken in your media is `en-AU`, your custom vocabulary *is not* applied to your transcription. If you include `LanguageOptions` and include `en-US` as the only English language dialect, your custom vocabulary *is* applied to your transcription.

If you want to include a custom language model with your request but **do not** want to use automatic language identification, use instead the `ModelSettings` parameter with the `LanguageModelName` sub-parameter. If you want to include a custom vocabulary or a custom vocabulary filter (or both) with your request but **do not** want to use automatic language identification, use instead the `Settings` parameter with the `VocabularyName` or `VocabularyFilterName` (or both) sub-parameter.

Type: String to LanguageIdSettings object map

Map Entries: Maximum number of 5 items.

Valid Keys: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: No

LanguageOptions

You can specify two or more language codes that represent the languages you think may be present in your media. Including more than five is not recommended. If you're unsure what languages are present, do not include this parameter.

If you include `LanguageOptions` in your request, you must also include `IdentifyLanguage`.

For more information, refer to Supported languages.

To transcribe speech in Modern Standard Arabic (`ar-SA`)in AWS GovCloud (US) (US-West, us-gov-west-1), AWS GovCloud (US) (US-East, us-gov-east-1), in Canada (Calgary) ca-west-1 and

Africa (Cape Town) af-south-1, your media file must be encoded at a sample rate of 16,000 Hz or higher.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

Media

Describes the Amazon S3 location of the media file you want to use in your request.

Type: Media object

Required: Yes

MediaFormat

Specify the format of your input media file.

Type: String

Valid Values: mp3 | mp4 | wav | flac | ogg | amr | webm | m4a

Required: No

MediaSampleRateHertz

The sample rate, in hertz, of the audio track in your input media file.

If you do not specify the media sample rate, Amazon Transcribe determines it for you. If you specify the sample rate, it must match the rate detected by Amazon Transcribe. If there's a mismatch between the value that you specify and the value detected, your job fails. In most cases, you can omit `MediaSampleRateHertz` and let Amazon Transcribe determine the sample rate.

Type: Integer

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: No

ModelSettings

Specify the custom language model you want to include with your transcription job. If you include `ModelSettings` in your request, you must include the `LanguageModelName` sub-parameter.

For more information, see Custom language models.

Type: ModelSettings object

Required: No

OutputBucketName

The name of the Amazon S3 bucket where you want your transcription output stored. Do not include the `S3://` prefix of the specified bucket.

If you want your output to go to a sub-folder of this bucket, specify it using the `OutputKey` parameter; `OutputBucketName` only accepts the name of a bucket.

For example, if you want your output stored in `S3://DOC-EXAMPLE-BUCKET`, set `OutputBucketName` to `DOC-EXAMPLE-BUCKET`. However, if you want your output stored in `S3://DOC-EXAMPLE-BUCKET/test-files/`, set `OutputBucketName` to `DOC-EXAMPLE-BUCKET` and `OutputKey` to `test-files/`.

Note that Amazon Transcribe must have permission to use the specified location. You can change Amazon S3 permissions using the AWS Management Console. See also Permissions Required for IAM User Roles.

If you do not specify `OutputBucketName`, your transcript is placed in a service-managed Amazon S3 bucket and you are provided with a URI to access your transcript.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: No

OutputEncryptionKMSKeyId

The Amazon Resource Name (ARN) of a KMS key that you want to use to encrypt your transcription output.

KMS key ARNs have the format `arn:partition:kms:region:account:key/key-id`. For example: `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`. For more information, see KMS key ARNs.

If you do not specify an encryption key, your output is encrypted with the default Amazon S3 key (SSE-S3).

Note that the role making the StartTranscriptionJob request and the role specified in the `DataAccessRoleArn` request parameter (if present) must have permission to use the specified KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,2048}$`

Required: No

OutputKey

Use in combination with `OutputBucketName` to specify the output location of your transcript and, optionally, a unique name for your output file. The default name for your transcription output is the same as the name you specified for your transcription job (`TranscriptionJobName`).

Here are some examples of how you can use `OutputKey`:

- If you specify 'DOC-EXAMPLE-BUCKET' as the `OutputBucketName` and 'my-transcript.json' as the `OutputKey`, your transcription output path is `s3://DOC-EXAMPLE-BUCKET/my-transcript.json`.
- If you specify 'my-first-transcription' as the `TranscriptionJobName`, 'DOC-EXAMPLE-BUCKET' as the `OutputBucketName`, and 'my-transcript' as the `OutputKey`, your transcription output path is `s3://DOC-EXAMPLE-BUCKET/my-transcript/my-first-transcription.json`.
- If you specify 'DOC-EXAMPLE-BUCKET' as the `OutputBucketName` and 'test-files/my-transcript.json' as the `OutputKey`, your transcription output path is `s3://DOC-EXAMPLE-BUCKET/test-files/my-transcript.json`.
- If you specify 'my-first-transcription' as the `TranscriptionJobName`, 'DOC-EXAMPLE-BUCKET' as the `OutputBucketName`, and 'test-files/my-transcript' as the `OutputKey`, your transcription output path is `s3://DOC-EXAMPLE-BUCKET/test-files/my-transcript/my-first-transcription.json`.

If you specify the name of an Amazon S3 bucket sub-folder that doesn't exist, one is created for you.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[a-zA-Z0-9-_.!*'()/]{1,1024}$`

Required: No

Settings

Specify additional optional settings in your StartTranscriptionJob request, including channel identification, alternative transcriptions, speaker partitioning. You can use that to apply custom vocabularies and vocabulary filters.

If you want to include a custom vocabulary or a custom vocabulary filter (or both) with your request but **do not** want to use automatic language identification, use `Settings` with the `VocabularyName` or `VocabularyFilterName` (or both) sub-parameter.

If you're using automatic language identification with your request and want to include a custom language model, a custom vocabulary, or a custom vocabulary filter, use instead the `LanguageIdSettings` parameter with the `LanguageModelName`, `VocabularyName` or `VocabularyFilterName` sub-parameters.

Type: Settings object

Required: No

Subtitles

Produces subtitle files for your input media. You can specify WebVTT (*.vtt) and SubRip (*.srt) formats.

Type: Subtitles object

Required: No

Tags

Adds one or more custom tags, each in the form of a key:value pair, to a new transcription job at the time you start this new job.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

ToxicityDetection

Enables toxic speech detection in your transcript. If you include `ToxicityDetection` in your request, you must also include `ToxicityCategories`.

For information on the types of toxic speech Amazon Transcribe can detect, see Detecting toxic speech.

Type: Array of ToxicityDetectionSettings objects

Array Members: Fixed number of 1 item.

Required: No

TranscriptionJobName

A unique name, chosen by you, for your transcription job. The name that you specify is also used as the default name of your transcription output file. If you want to specify a different name for your transcription output, use the `OutputKey` parameter.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account. If you try to create a new job with the same name as an existing job, you get a `ConflictException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "TranscriptionJob": {
      "CompletionTime": number,
      "ContentRedaction": {
         "PiiEntityTypes": [ "string" ],
         "RedactionOutput": "string",
         "RedactionType": "string"
      },
      "CreationTime": number,
      "FailureReason": "string",
      "IdentifiedLanguageScore": number,
      "IdentifyLanguage": boolean,
      "IdentifyMultipleLanguages": boolean,
      "JobExecutionSettings": {
         "AllowDeferredExecution": boolean,
         "DataAccessRoleArn": "string"
      },
      "LanguageCode": "string",
      "LanguageCodes": [
         {
            "DurationInSeconds": number,
            "LanguageCode": "string"
         }
      ],
      "LanguageIdSettings": {
         "string" : {
            "LanguageModelName": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
```

```
      }
   },
   "LanguageOptions": [ "string" ],
   "Media": {
      "MediaFileUri": "string",
      "RedactedMediaFileUri": "string"
   },
   "MediaFormat": "string",
   "MediaSampleRateHertz": number,
   "ModelSettings": {
      "LanguageModelName": "string"
   },
   "Settings": {
      "ChannelIdentification": boolean,
      "MaxAlternatives": number,
      "MaxSpeakerLabels": number,
      "ShowAlternatives": boolean,
      "ShowSpeakerLabels": boolean,
      "VocabularyFilterMethod": "string",
      "VocabularyFilterName": "string",
      "VocabularyName": "string"
   },
   "StartTime": number,
   "Subtitles": {
      "Formats": [ "string" ],
      "OutputStartIndex": number,
      "SubtitleFileUris": [ "string" ]
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "ToxicityDetection": [
      {
         "ToxicityCategories": [ "string" ]
      }
   ],
   "Transcript": {
      "RedactedTranscriptFileUri": "string",
      "TranscriptFileUri": "string"
   },
   "TranscriptionJobName": "string",
```

```
      "TranscriptionJobStatus": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TranscriptionJob

Provides detailed information about the current transcription job, including job status and, if applicable, failure reason.

Type: TranscriptionJob object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.

- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Service: Amazon Transcribe Service

Adds one or more custom tags, each in the form of a key:value pair, to the specified resource.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Request Syntax

```
{
   "ResourceArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the resource you want to tag. ARNs have the format `arn:partition:service:region:account-id:resource-type/resource-id`.

For example, `arn:aws:transcribe:us-west-2:111122223333:transcription-job/transcription-job-name`.

Valid values for `resource-type` are: `transcription-job`, `medical-transcription-job`, `vocabulary`, `medical-vocabulary`, `vocabulary-filter`, and `language-model`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[^:]+)?:transcribe:[a-zA-Z0-9-]*:[0-9]{12}:[a-zA-Z-]*/[0-9a-zA-Z._-]+`

Required: Yes

Tags

Adds one or more custom tags, each in the form of a key:value pair, to the specified resource.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.

- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TranscribeAudio

Service: Amazon Transcribe Service

Transcribes a media file and returns the transcript in the same response. There is no job to start and no status to poll.

Use `TranscribeAudio` when you already have a complete media file and want the transcript right away. For large files, long audio, or bulk processing, use StartTranscriptionJob.

You must include the following parameters in your `TranscribeAudio` request:

- `Media`: Your audio, either as inline bytes (`MediaBytes`) or as the Amazon S3 location of a media file (`MediaFileUri`).
- One of `Language` or `LanguageDetectionMode`: Specify the language of your audio, or have Amazon Transcribe identify it.

Your audio must be between 0.5 seconds and 1 hour long. Supported formats are WAV, MP3, FLAC, M4A, MP4, Ogg, WebM, and AMR.

If you send your audio in the request (`MediaBytes`), the file can be up to 25 MB. If you provide an Amazon S3 location (`MediaFileUri`), the file can be up to 500 MB.

Amazon Transcribe always turns on smart formatting, also known as inverse text normalization (ITN). It writes numbers, dates, currency, and similar items in their usual written form. For example, "one hundred" becomes "100". You can't turn smart formatting off.

By default, Amazon Transcribe returns the transcript in `TranscriptResponse`. If you include `OutputConfiguration`, Amazon Transcribe writes the transcript to the Amazon S3 location you specify instead, and the response contains only that location.

Request Syntax

```
{
   "ChannelIdentification": boolean,
   "ContentRedaction": {
      "PiiEntityTypes": [ "string" ],
      "RedactionOutput": "string",
      "RedactionType": "string"
   },
   "Language": "string",
```

```
    "LanguageDetectionMode": "string",
    "LanguageOptions": [ "string" ],
    "MaxSpeakerLabels": number,
    "Media": { ... },
    "OutputConfiguration": {
       "OutputMediaFileUri": "string"
    },
    "ShowSpeakerLabels": boolean,
    "VocabularyFilterSettings": {
       "Filters": [
          {
             "Language": "string",
             "VocabularyFilterName": "string",
             "Words": [ "string" ]
          }
       ],
       "VocabularyFilterMethod": "string"
    },
    "VocabularySettings": [
       {
          "Language": "string",
          "Phrases": [
             {
                "DisplayAs": "string",
                "Text": "string"
             }
          ],
          "VocabularyName": "string"
       }
    ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ChannelIdentification

Enables channel identification in multi-channel audio. Each channel is transcribed independently, and each item in the transcript is labeled with its channel.

Channel identification supports up to two channels.

Type: Boolean

Required: No

ContentRedaction

Redacts personally identifiable information (PII) from your transcript. Amazon Transcribe returns the redacted transcript in `RedactedResults`.

If you set `RedactionOutput` to `redacted_and_unredacted`, Amazon Transcribe also returns the unredacted transcript in `Results`.

In Sync, content redaction has these limits:

- **Languages:** English (`en`), Spanish (`es`), French (`fr`), Italian (`it`), German (`de`), and Portuguese (`pt`).
- **Language identification:** If you use `LanguageDetectionMode`, you must also include `LanguageOptions`, and every language in it must be one of the languages above. A request that has no `LanguageOptions`, or that lists a language that isn't supported, returns a `BadRequestException`.
- **Regions:** Content redaction isn't available in the South America (São Paulo) Region (`sa-east-1`). It's available in the other AWS Regions where Sync is available.

Type: ContentRedaction object

Required: No

Language

The language spoken in your audio, as a base language code (for example, `en` or `es`).

Include either `Language` or `LanguageDetectionMode` in your request, but not both.

Type: String

Valid Values: `en | es | fr | it | de | ja | pt | ko | zh-CN | zh-TW | zh-HK`

Required: No

LanguageDetectionMode

Enables automatic language identification. Use `IDENTIFY_LANGUAGE` if your audio contains a single language that you don't know in advance.

You can optionally include `LanguageOptions` to limit identification to languages you think may be present, which can improve accuracy.

Amazon Transcribe returns the identified language, as a locale (for example, `en-US`), in the response metadata.

Include either `Language` or `LanguageDetectionMode` in your request, but not both.

Type: String

Valid Values: `IDENTIFY_LANGUAGE`

Required: No

LanguageOptions

A list of two or more languages that you think may be present in your audio, as base language codes (for example, `en` and `es`). Each language can appear only once. A list with only one language returns a `BadRequestException`.

You can use `LanguageOptions` only with `LanguageDetectionMode`.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: `en | es | fr | it | de | ja | pt | ko | zh-CN | zh-TW | zh-HK`

Required: No

MaxSpeakerLabels

Specify the maximum number of speakers you want to partition in your media.

Note that if your media contains more speakers than the specified number, Amazon Transcribe treats multiple speakers as a single speaker.

You can set `MaxSpeakerLabels` only if `ShowSpeakerLabels` is `true`.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 30.

Required: No

Media

The audio to transcribe. Specify exactly one of `MediaBytes` or `MediaFileUri`.

Audio sent in the request (`MediaBytes`) can be up to 25 MB. Audio in Amazon S3 (`MediaFileUri`) can be up to 500 MB.

Type: SyncMedia object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

OutputConfiguration

Writes the transcript to an Amazon S3 location instead of returning it in the response. If you include `OutputConfiguration`, the response contains only the output location.

You must have write permission for the location you specify.

Type: SyncOutputConfiguration object

Required: No

ShowSpeakerLabels

Enables speaker partitioning (diarization) in your transcript. Speaker partitioning labels the speech from individual speakers in your media file.

If you set ShowSpeakerLabels to `true`, you must also include `MaxSpeakerLabels`.

For more information, see Partitioning speakers (diarization).

Type: Boolean

Required: No

VocabularyFilterSettings

Custom vocabulary filters to apply to your transcript, and how to apply them.

Type: VocabularyFilterSettings object

Required: No

VocabularySettings

Custom vocabularies to apply to your transcript, with one entry per language. In each entry, you can reference a custom vocabulary you created or provide phrases inline. All entries must use the same type, either all by name or all inline.

If you specify `Language`, include exactly one entry, and its `Language` must match. If you use `LanguageDetectionMode`, you can include one entry for each language in `LanguageOptions`.

Type: Array of VocabularySettingsEntry objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Response Syntax

```
{
   "OutputConfiguration": {
      "OutputMediaFileUri": "string"
   },
   "TranscriptResponse": {
      "Metadata": {
         "LanguageCode": "string",
         "LanguageCodes": [
            {
               "DurationInSeconds": number,
               "LanguageCode": "string"
            }
         ],
         "MediaFormat": "string",
         "MediaSampleRateHertz": number,
         "NumberOfChannels": number,
         "SpeakersCount": number
      },
      "RedactedResults": {
         "Items": [
            {
               "ChannelLabel": "string",
```

```
                "Content": "string",
                "EndTime": number,
                "Id": number,
                "LanguageCode": "string",
                "Redactions": [
                   {
                      "Type": "string"
                   }
                ],
                "SpeakerLabel": "string",
                "StartTime": number,
                "VocabularyFilterMatch": boolean
             }
          ],
          "Transcript": "string"
       },
       "Results": {
          "Items": [
             {
                "ChannelLabel": "string",
                "Content": "string",
                "EndTime": number,
                "Id": number,
                "LanguageCode": "string",
                "Redactions": [
                   {
                      "Type": "string"
                   }
                ],
                "SpeakerLabel": "string",
                "StartTime": number,
                "VocabularyFilterMatch": boolean
             }
          ],
          "Transcript": "string"
       }
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OutputConfiguration

The Amazon S3 location where your transcript was written. Present only if you included `OutputConfiguration` in your request. In that case, `TranscriptResponse` isn't returned.

Type: SyncOutputConfiguration object

TranscriptResponse

Your transcript and information about your audio. Present only if you didn't include `OutputConfiguration` in your request.

Type: TranscriptResponse object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.

- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Service: Amazon Transcribe Service

Removes the specified tags from the specified Amazon Transcribe resource.

If you include `UntagResource` in your request, you must also include `ResourceArn` and `TagKeys`.

Request Syntax

```
{
   "ResourceArn": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the Amazon Transcribe resource you want to remove tags from. ARNs have the format `arn:partition:service:region:account-id:resource-type/resource-id`.

For example, `arn:aws:transcribe:us-west-2:111122223333:transcription-job/transcription-job-name`.

Valid values for `resource-type` are: `transcription-job`, `medical-transcription-job`, `vocabulary`, `medical-vocabulary`, `vocabulary-filter`, and `language-model`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[^:]+)?:transcribe:[a-zA-Z0-9-]*:[0-9]{12}:[a-zA-Z-]*/[0-9a-zA-Z._-]+`

Required: Yes

TagKeys

Removes the specified tag keys from the specified Amazon Transcribe resource.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.

- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateCallAnalyticsCategory

Service: Amazon Transcribe Service

Updates the specified Call Analytics category with new rules. Note that the `UpdateCallAnalyticsCategory` operation overwrites all existing rules contained in the specified category. You cannot append additional rules onto an existing category.

To create a new category, see CreateCallAnalyticsCategory.

Request Syntax

```
{
   "CategoryName": "string",
   "InputType": "string",
   "Rules": [
      { ... }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CategoryName

The name of the Call Analytics category you want to update. Category names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

InputType

Choose whether you want to update a real-time or a post-call category. The input type you specify must match the input type specified when the category was created. For example, if you

created a category with the POST_CALL input type, you must use POST_CALL as the input type when updating this category.

Type: String

Valid Values: REAL_TIME | POST_CALL

Required: No

Rules

The rules used for the updated Call Analytics category. The rules you provide in this field replace the ones that are currently being used in the specified category.

Type: Array of Rule objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

Response Syntax

```
{
   "CategoryProperties": {
      "CategoryName": "string",
      "CreateTime": number,
      "InputType": "string",
      "LastUpdateTime": number,
      "Rules": [
         { ... }
      ],
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CategoryProperties

Provides you with the properties of the Call Analytics category you specified in your `UpdateCallAnalyticsCategory` request.

Type: CategoryProperties object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateLanguageModel

Service: Amazon Transcribe Service

Updates the encryption configuration for an existing custom language model. You can use this operation to change the AWS KMS key used to encrypt your model artifacts. The model artifacts are re-encrypted in place. No model training is required.

Your custom language model must not be in the `IN_PROGRESS` state when you call this operation. You cannot submit another update while a previous update is in progress. Use DescribeLanguageModel to check the current state of your model.

Your custom language model remains available for transcription jobs while the update is being processed.

Request Syntax

```
{
   "DataAccessRoleArn": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "ModelName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role. If you include `EncryptionConfiguration` in your request, this role must have permissions to access the specified AWS KMS key. If the role that you specify doesn't have the appropriate permissions, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

EncryptionConfiguration

Specifies the new encryption configuration for your custom language model. The model artifacts are re-encrypted in place using the specified AWS KMS key or with an AWS owned key if a key is not supplied.

Type: EncryptionConfiguration object

Required: No

ModelName

The name of the custom language model you want to update. Model names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "LastModifiedTime": number,
   "ModelName": "string",
   "ModelStatus": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LastModifiedTime

The date and time the specified custom language model was last modified.

Type: Timestamp

ModelName

The name of the custom language model that was updated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

ModelStatus

The status of the specified custom language model.

Type: String

Valid Values: `IN_PROGRESS | FAILED | COMPLETED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- audioTooLong: The audio is longer than the maximum duration of 1 hour.
- audioTooShort: The audio is shorter than 0.5 seconds.
- audioFileTooLarge: The audio is larger than the maximum size.
- unsupportedAudioFormat: The media format isn't supported.
- unsupportedChannelCount: You enabled ChannelIdentification and the audio has more than two channels.
- invalidAudio: Amazon Transcribe couldn't decode the audio.
- mediaDownloadFailed: Amazon Transcribe couldn't download the audio at your MediaFileUri.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateMedicalVocabulary

Service: Amazon Transcribe Service

Updates an existing custom medical vocabulary with new values. This operation overwrites all existing information with your new values; you cannot append new terms onto an existing custom vocabulary.

Request Syntax

```
{
   "LanguageCode": "string",
   "VocabularyFileUri": "string",
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

LanguageCode

The language code that represents the language of the entries in the custom vocabulary you want to update. US English (en-US) is the only language supported with Amazon Transcribe Medical.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN |

`mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: Yes

VocabularyFileUri

The Amazon S3 location of the text file that contains your custom medical vocabulary. The URI must be located in the same AWS Region as the resource you're calling.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-vocab-file.txt`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: Yes

VocabularyName

The name of the custom medical vocabulary you want to update. Custom medical vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyName": "string",
   "VocabularyState": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LanguageCode

The language code you selected for your custom medical vocabulary. US English (en-US) is the only language supported with Amazon Transcribe Medical.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

LastModifiedTime

The date and time the specified custom medical vocabulary was last updated.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyName

The name of the updated custom medical vocabulary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyState

The processing state of your custom medical vocabulary. If the state is `READY`, you can use the custom vocabulary in a `StartMedicalTranscriptionJob` request.

Type: String

Valid Values: `PENDING | READY | FAILED`

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.

- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateVocabulary

Service: Amazon Transcribe Service

Updates an existing custom vocabulary with new values. This operation overwrites all existing information with your new values; you cannot append new terms onto an existing custom vocabulary.

Your custom vocabulary must be in a terminal state (`READY` or `FAILED`) before you can update it. You must include either `Phrases` or `VocabularyFileUri` in your request.

Request Syntax

```
{
   "DataAccessRoleArn": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "LanguageCode": "string",
   "Phrases": [ "string" ],
   "VocabularyFileUri": "string",
   "VocabularyName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files (in this case, your custom vocabulary). If you include `EncryptionConfiguration` in your request, this role must also have permissions to access the specified AWS KMS key. If the role that you specify doesn't have the appropriate permissions, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

EncryptionConfiguration

Specifies the encryption configuration for your custom vocabulary. Your vocabulary artifacts are encrypted with the specified AWS KMS key or with an AWS owned key if a key is not supplied.

Type: EncryptionConfiguration object

Required: No

LanguageCode

The language code that represents the language of the entries in the custom vocabulary you want to update. Each custom vocabulary must contain terms in only one language.

A custom vocabulary can only be used to transcribe files in the same language as the custom vocabulary. For example, if you create a custom vocabulary using US English (en-US), you can only apply this custom vocabulary to files that contain English audio.

For a list of supported languages and their associated language codes, refer to the Supported languages table.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG |`

`lg-IN` | `lt-LT` | `lv-LV` | `mhr-RU` | `mi-NZ` | `mk-MK` | `ml-IN` | `mn-MN` | `mr-IN` | `mt-MT` | `no-NO` | `ne-NP` | `or-IN` | `pa-IN` | `pl-PL` | `ps-AF` | `ro-RO` | `rw-RW` | `si-LK` | `sk-SK` | `sl-SI` | `so-SO` | `sq-AL` | `sr-RS` | `su-ID` | `sw-BI` | `sw-KE` | `sw-RW` | `sw-TZ` | `sw-UG` | `tl-PH` | `tt-RU` | `ug-CN` | `uk-UA` | `uz-UZ` | `wo-SN` | `zh-HK` | `zu-ZA`

Required: Yes

Phrases

Use this parameter if you want to update your custom vocabulary by including all desired terms, as comma-separated values, within your request. The other option for updating your custom vocabulary is to save your entries in a text file and upload them to an Amazon S3 bucket, then specify the location of your file using the `VocabularyFileUri` parameter.

Note that if you include `Phrases` in your request, you cannot use `VocabularyFileUri`; you must choose one or the other.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary filter request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `.+`

Required: No

VocabularyFileUri

The Amazon S3 location of the text file that contains your custom vocabulary. The URI must be located in the same AWS Region as the resource you're calling.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-vocab-file.txt`

Note that if you include `VocabularyFileUri` in your request, you cannot use the `Phrases` flag; you must choose one or the other.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

VocabularyName

The name of the custom vocabulary you want to update. Custom vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Response Syntax

```
{
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyName": "string",
   "VocabularyState": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LanguageCode

The language code you selected for your custom vocabulary.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY`

| nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

LastModifiedTime

The date and time the specified custom vocabulary was last updated.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyName

The name of the updated custom vocabulary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

VocabularyState

The processing state of your custom vocabulary. If the state is READY, you can use the custom vocabulary in a StartTranscriptionJob request.

Type: String

Valid Values: PENDING | READY | FAILED

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateVocabularyFilter

Service: Amazon Transcribe Service

Updates an existing custom vocabulary filter with a new list of words. The new list you provide overwrites all previous entries; you cannot append new terms onto an existing custom vocabulary filter.

You must include either `Words` or `VocabularyFilterFileUri` in your request.

Request Syntax

```
{
   "DataAccessRoleArn": "string",
   "EncryptionConfiguration": {
      "KMSEncryptionContext": {
         "string" : "string"
      },
      "KMSKey": "string"
   },
   "VocabularyFilterFileUri": "string",
   "VocabularyFilterName": "string",
   "Words": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files (in this case, your custom vocabulary filter). If you include `EncryptionConfiguration` in your request, this role must also have permissions to access the specified AWS KMS key. If the role that you specify doesn't have the appropriate permissions, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

EncryptionConfiguration

Specifies the encryption configuration for your custom vocabulary filter. Your vocabulary filter artifacts are encrypted with the specified AWS KMS key or with an AWS owned key if a key is not supplied.

Type: EncryptionConfiguration object

Required: No

VocabularyFilterFileUri

The Amazon S3 location of the text file that contains your custom vocabulary filter terms. The URI must be located in the same AWS Region as the resource you're calling.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-vocab-filter-file.txt`

Note that if you include `VocabularyFilterFileUri` in your request, you cannot use `Words`; you must choose one or the other.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

VocabularyFilterName

The name of the custom vocabulary filter you want to update. Custom vocabulary filter names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Words

Use this parameter if you want to update your custom vocabulary filter by including all desired terms, as comma-separated values, within your request. The other option for updating your vocabulary filter is to save your entries in a text file and upload them to an Amazon S3 bucket, then specify the location of your file using the `VocabularyFilterFileUri` parameter.

Note that if you include `Words` in your request, you cannot use `VocabularyFilterFileUri`; you must choose one or the other.

Each language has a character set that contains all allowed characters for that specific language. If you use unsupported characters, your custom vocabulary filter request fails. Refer to Character Sets for Custom Vocabularies to get the character set for your language.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Response Syntax

```
{
   "LanguageCode": "string",
   "LastModifiedTime": number,
   "VocabularyFilterName": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LanguageCode

The language code you selected for your custom vocabulary filter.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

LastModifiedTime

The date and time the specified custom vocabulary filter was last updated.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

VocabularyFilterName

The name of the updated custom vocabulary filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

Your request didn't pass one or more validation tests. This can occur when a parameter has an invalid value, when you combine parameters in a way that isn't supported, when the entity you're trying to delete doesn't exist, or if it's in a non-terminal state (such as `IN PROGRESS`). See the exception message field for more information.

Reason

A code that identifies why the audio in your request was rejected. Currently, `TranscribeAudio` returns this field, and only for problems with your audio. It isn't returned for other validation errors.

Possible values:

- `audioTooLong`: The audio is longer than the maximum duration of 1 hour.
- `audioTooShort`: The audio is shorter than 0.5 seconds.
- `audioFileTooLarge`: The audio is larger than the maximum size.
- `unsupportedAudioFormat`: The media format isn't supported.
- `unsupportedChannelCount`: You enabled `ChannelIdentification` and the audio has more than two channels.
- `invalidAudio`: Amazon Transcribe couldn't decode the audio.
- `mediaDownloadFailed`: Amazon Transcribe couldn't download the audio at your `MediaFileUri`.

HTTP Status Code: 400

ConflictException

A resource already exists with this name. Resource names must be unique within an AWS account.

HTTP Status Code: 400

InternalFailureException

There was an internal error. Check the error message, correct the issue, and try your request again.

HTTP Status Code: 500

LimitExceededException

You've either sent too many requests or your input file is too long. Wait before retrying your request, or use a smaller file and try your request again.

HTTP Status Code: 400

NotFoundException

We can't find the requested resource. Check that the specified name is correct and try your request again.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Amazon Transcribe Streaming Service

The following actions are supported by Amazon Transcribe Streaming Service:

- GetMedicalScribeStream
- StartCallAnalyticsStreamTranscription

- StartMedicalScribeStream
- StartMedicalStreamTranscription
- StartStreamTranscription

GetMedicalScribeStream

Service: Amazon Transcribe Streaming Service

Provides details about the specified AWS HealthScribe streaming session. To view the status of the streaming session, check the `StreamStatus` field in the response. To get the details of post-stream analytics, including its status, check the `PostStreamAnalyticsResult` field in the response.

Request Syntax

```
GET /medical-scribe-stream/SessionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SessionId

The identifier of the HealthScribe streaming session you want information about.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MedicalScribeStreamDetails": {
      "ChannelDefinitions": [
         {
            "ChannelId": number,
```

```
            "ParticipantRole": "string"
         }
      ],
      "EncryptionSettings": {
         "KmsEncryptionContext": {
            "string" : "string"
         },
         "KmsKeyId": "string"
      },
      "LanguageCode": "string",
      "MediaEncoding": "string",
      "MediaSampleRateHertz": number,
      "MedicalScribeContextProvided": boolean,
      "PostStreamAnalyticsResult": {
         "ClinicalNoteGenerationResult": {
            "ClinicalNoteOutputLocation": "string",
            "FailureReason": "string",
            "Status": "string",
            "TranscriptOutputLocation": "string"
         }
      },
      "PostStreamAnalyticsSettings": {
         "ClinicalNoteGenerationSettings": {
            "NoteTemplate": "string",
            "OutputBucketName": "string"
         }
      },
      "ResourceAccessRoleArn": "string",
      "SessionId": "string",
      "StreamCreatedAt": number,
      "StreamEndedAt": number,
      "StreamStatus": "string",
      "VocabularyFilterMethod": "string",
      "VocabularyFilterName": "string",
      "VocabularyName": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MedicalScribeStreamDetails

Provides details about a HealthScribe streaming session.

Type: MedicalScribeStreamDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

HTTP Status Code: 400

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

HTTP Status Code: 429

ResourceNotFoundException

The request references a resource which doesn't exist.

HTTP Status Code: 404

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartCallAnalyticsStreamTranscription

Service: Amazon Transcribe Streaming Service

Starts a bidirectional HTTP/2 or WebSocket stream where audio is streamed to Amazon Transcribe and the transcription results are streamed to your application. Use this operation for Call Analytics transcriptions.

The following parameters are required:

- `language-code` or `identify-language`
- `media-encoding`
- `sample-rate`

For more information on streaming with Amazon Transcribe, see Transcribing streaming audio.

Request Syntax

```
POST /call-analytics-stream-transcription HTTP/1.1
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
x-amzn-transcribe-vocabulary-name: VocabularyName
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-vocabulary-filter-name: VocabularyFilterName
x-amzn-transcribe-vocabulary-filter-method: VocabularyFilterMethod
x-amzn-transcribe-language-model-name: LanguageModelName
x-amzn-transcribe-identify-language: IdentifyLanguage
x-amzn-transcribe-language-options: LanguageOptions
x-amzn-transcribe-preferred-language: PreferredLanguage
x-amzn-transcribe-vocabulary-names: VocabularyNames
x-amzn-transcribe-vocabulary-filter-names: VocabularyFilterNames
x-amzn-transcribe-enable-partial-results-
stabilization: EnablePartialResultsStabilization
x-amzn-transcribe-partial-results-stability: PartialResultsStability
x-amzn-transcribe-content-identification-type: ContentIdentificationType
x-amzn-transcribe-content-redaction-type: ContentRedactionType
x-amzn-transcribe-pii-entity-types: PiiEntityTypes
Content-type: application/json

{
   "AudioEvent": {
```

```
      "AudioChunk": blob
   },
   "ConfigurationEvent": {
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "PostCallAnalyticsSettings": {
         "ContentRedactionOutput": "string",
         "DataAccessRoleArn": "string",
         "OutputEncryptionKMSKeyId": "string",
         "OutputLocation": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ContentIdentificationType

Labels all personally identifiable information (PII) identified in your transcript.

Content identification is performed at the segment level; PII specified in `PiiEntityTypes` is flagged upon complete transcription of an audio segment. If you don't include `PiiEntityTypes` in your request, all PII is identified.

You can't set `ContentIdentificationType` and `ContentRedactionType` in the same request. If you set both, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information.

Valid Values: `PII`

ContentRedactionType

Redacts all personally identifiable information (PII) identified in your transcript.

Content redaction is performed at the segment level; PII specified in `PiiEntityTypes` is redacted upon complete transcription of an audio segment. If you don't include `PiiEntityTypes` in your request, all PII is redacted.

You can't set `ContentRedactionType` and `ContentIdentificationType` in the same request. If you set both, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information.

Valid Values: `PII`

EnablePartialResultsStabilization

Enables partial result stabilization for your transcription. Partial result stabilization can reduce latency in your output, but may impact accuracy. For more information, see Partial-result stabilization.

IdentifyLanguage

Enables automatic language identification for your Call Analytics transcription.

If you include `IdentifyLanguage`, you must include a list of language codes, using `LanguageOptions`, that you think may be present in your audio stream. You must provide a minimum of two language selections.

You can also include a preferred language using `PreferredLanguage`. Adding a preferred language can help Amazon Transcribe identify the language faster than if you omit this parameter.

Note that you must include either `LanguageCode` or `IdentifyLanguage` in your request. If you include both parameters, your transcription job fails.

LanguageCode

Specify the language code that represents the language spoken in your audio.

For a list of languages supported with real-time Call Analytics, refer to the Supported languages table.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

LanguageModelName

Specify the name of the custom language model that you want to use when processing your transcription. Note that language model names are case sensitive.

The language of the specified language model must match the language code you specify in your transcription request. If the languages don't match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

For more information, see Custom language models.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

LanguageOptions

Specify two or more language codes that represent the languages you think may be present in your media.

Including language options can improve the accuracy of language identification.

If you include `LanguageOptions` in your request, you must also include `IdentifyLanguage`.

For a list of languages supported with Call Analytics streaming, refer to the Supported languages table.

> **Important**
>
> You can only include one language dialect per language per stream. For example, you cannot include `en-US` and `en-AU` in the same request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[a-zA-Z-,]+`

MediaEncoding

Specify the encoding of your input audio. Supported formats are:

- FLAC
- OPUS-encoded audio in an Ogg container
- PCM (only signed 16-bit little-endian audio formats, which does not include WAV)

For more information, see Media formats.

Valid Values: `pcm | ogg-opus | flac`

Required: Yes

MediaSampleRateHertz

The sample rate of the input audio (in hertz). Low-quality audio, such as telephone audio, is typically around 8,000 Hz. High-quality audio typically ranges from 16,000 Hz to 48,000 Hz. Note that the sample rate you specify must match that of your audio.

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: Yes

PartialResultsStability

Specify the level of stability to use when you enable partial results stabilization (`EnablePartialResultsStabilization`).

Low stability provides the highest accuracy. High stability transcribes faster, but with slightly lower accuracy.

For more information, see Partial-result stabilization.

Valid Values: `high | medium | low`

PiiEntityTypes

Specify which types of personally identifiable information (PII) you want to redact in your transcript. You can include as many types as you'd like, or you can select `ALL`.

Values must be comma-separated and can include: `ADDRESS`, `BANK_ACCOUNT_NUMBER`, `BANK_ROUTING`, `CREDIT_DEBIT_CVV`, `CREDIT_DEBIT_EXPIRY`, `CREDIT_DEBIT_NUMBER`, `EMAIL`, `NAME`, `PHONE`, `PIN`, `SSN`, or `ALL`.

Note that if you include `PiiEntityTypes` in your request, you must also include `ContentIdentificationType` or `ContentRedactionType`.

If you include `ContentRedactionType` or `ContentIdentificationType` in your request, but do not include `PiiEntityTypes`, all PII is redacted or identified.

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

PreferredLanguage

Specify a preferred language from the subset of languages codes you specified in `LanguageOptions`.

You can only use this parameter if you've included `IdentifyLanguage` and `LanguageOptions` in your request.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

SessionId

Specify a name for your Call Analytics transcription session. If you don't include this parameter in your request, Amazon Transcribe generates an ID and returns it in the response.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

VocabularyFilterMethod

Specify how you want your vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Valid Values: `remove | mask | tag`

VocabularyFilterName

Specify the name of the custom vocabulary filter that you want to use when processing your transcription. Note that vocabulary filter names are case sensitive.

If the language of the specified custom vocabulary filter doesn't match the language identified in your media, the vocabulary filter is not applied to your transcription.

For more information, see Using vocabulary filtering with unwanted words.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyFilterNames

Specify the names of the custom vocabulary filters that you want to use when processing your Call Analytics transcription. Note that vocabulary filter names are case sensitive.

These filters serve to customize the transcript output.

> **Important**
>
> This parameter is only intended for use **with** the `IdentifyLanguage` parameter. If you're **not** including `IdentifyLanguage` in your request and want to use a custom vocabulary filter with your transcription, use the `VocabularyFilterName` parameter instead.

For more information, see Using vocabulary filtering with unwanted words.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

VocabularyName

Specify the name of the custom vocabulary that you want to use when processing your transcription. Note that vocabulary names are case sensitive.

If the language of the specified custom vocabulary doesn't match the language identified in your media, the custom vocabulary is not applied to your transcription.

For more information, see Custom vocabularies.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyNames

Specify the names of the custom vocabularies that you want to use when processing your Call Analytics transcription. Note that vocabulary names are case sensitive.

If the custom vocabulary's language doesn't match the identified media language, it won't be applied to the transcription.

> **Important**
>
> This parameter is only intended for use **with** the `IdentifyLanguage` parameter. If you're **not** including `IdentifyLanguage` in your request and want to use a custom vocabulary with your transcription, use the `VocabularyName` parameter instead.

For more information, see Custom vocabularies.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

Request Body

The request accepts the following data in JSON format.

AudioEvent

A blob of audio from your application. Your audio stream consists of one or more audio events.

For more information, see Event stream encoding.

Type: AudioEvent object

Required: No

ConfigurationEvent

Contains audio channel definitions and post-call analytics settings.

Type: ConfigurationEvent object

Required: No

Response Syntax

```
HTTP/1.1 200
x-amzn-request-id: RequestId
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
x-amzn-transcribe-vocabulary-name: VocabularyName
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-vocabulary-filter-name: VocabularyFilterName
x-amzn-transcribe-vocabulary-filter-method: VocabularyFilterMethod
x-amzn-transcribe-language-model-name: LanguageModelName
x-amzn-transcribe-identify-language: IdentifyLanguage
x-amzn-transcribe-language-options: LanguageOptions
x-amzn-transcribe-preferred-language: PreferredLanguage
x-amzn-transcribe-vocabulary-names: VocabularyNames
```

```
x-amzn-transcribe-vocabulary-filter-names: VocabularyFilterNames
x-amzn-transcribe-enable-partial-results-
stabilization: EnablePartialResultsStabilization
x-amzn-transcribe-partial-results-stability: PartialResultsStability
x-amzn-transcribe-content-identification-type: ContentIdentificationType
x-amzn-transcribe-content-redaction-type: ContentRedactionType
x-amzn-transcribe-pii-entity-types: PiiEntityTypes
Content-type: application/json

{
   "BadRequestException": {
   },
   "CategoryEvent": {
      "MatchedCategories": [ "string" ],
      "MatchedDetails": {
         "string" : {
            "TimestampRanges": [
               {
                  "BeginOffsetMillis": number,
                  "EndOffsetMillis": number
               }
            ]
         }
      }
   },
   "ConflictException": {
   },
   "InternalFailureException": {
   },
   "LimitExceededException": {
   },
   "ServiceUnavailableException": {
   },
   "UtteranceEvent": {
      "BeginOffsetMillis": number,
      "EndOffsetMillis": number,
      "Entities": [
         {
            "BeginOffsetMillis": number,
            "Category": "string",
            "Confidence": number,
            "Content": "string",
            "EndOffsetMillis": number,
            "Type": "string"
```

```
            }
         ],
         "IsPartial": boolean,
         "IssuesDetected": [
            {
               "CharacterOffsets": {
                  "Begin": number,
                  "End": number
               }
            }
         ],
         "Items": [
            {
               "BeginOffsetMillis": number,
               "Confidence": number,
               "Content": "string",
               "EndOffsetMillis": number,
               "Stable": boolean,
               "Type": "string",
               "VocabularyFilterMatch": boolean
            }
         ],
         "LanguageCode": "string",
         "LanguageIdentification": [
            {
               "LanguageCode": "string",
               "Score": number
            }
         ],
         "ParticipantRole": "string",
         "Sentiment": "string",
         "Transcript": "string",
         "UtteranceId": "string"
      }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

ContentIdentificationType

Shows whether content identification was enabled for your Call Analytics transcription.

Valid Values: `PII`

ContentRedactionType

Shows whether content redaction was enabled for your Call Analytics transcription.

Valid Values: `PII`

EnablePartialResultsStabilization

Shows whether partial results stabilization was enabled for your Call Analytics transcription.

IdentifyLanguage

Shows whether automatic language identification was enabled for your Call Analytics transcription.

LanguageCode

Provides the language code that you specified in your Call Analytics request.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

LanguageModelName

Provides the name of the custom language model that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

LanguageOptions

Provides the language codes that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[a-zA-Z-,]+`

MediaEncoding

Provides the media encoding you specified in your Call Analytics request.

Valid Values: `pcm | ogg-opus | flac`

MediaSampleRateHertz

Provides the sample rate that you specified in your Call Analytics request.

Valid Range: Minimum value of 8000. Maximum value of 48000.

PartialResultsStability

Provides the stabilization level used for your transcription.

Valid Values: `high | medium | low`

PiiEntityTypes

Lists the PII entity types you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

PreferredLanguage

Provides the preferred language that you specified in your Call Analytics request.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

RequestId

Provides the identifier for your real-time Call Analytics request.

SessionId

Provides the identifier for your Call Analytics transcription session.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

VocabularyFilterMethod

Provides the vocabulary filtering method used in your Call Analytics transcription.

Valid Values: `remove | mask | tag`

VocabularyFilterName

Provides the name of the custom vocabulary filter that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyFilterNames

Provides the names of the custom vocabulary filters that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

VocabularyName

Provides the name of the custom vocabulary that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyNames

Provides the names of the custom vocabularies that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

The following data is returned in JSON format by the service.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

Type: Exception

HTTP Status Code: 400

CategoryEvent

Provides information on matched categories that were used to generate real-time supervisor alerts.

Type: CategoryEvent object

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

UtteranceEvent

Contains set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to channel definitions, partial result stabilization, sentiment, issue detection, and other transcription-related data.

Type: UtteranceEvent object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

HTTP Status Code: 503

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartMedicalScribeStream

Service: Amazon Transcribe Streaming Service

Starts a bidirectional HTTP/2 stream, where audio is streamed to AWS HealthScribe and the transcription results are streamed to your application.

When you start a stream, you first specify the stream configuration in a `MedicalScribeConfigurationEvent`. This event includes channel definitions, encryption settings, medical scribe context, and post-stream analytics settings, such as the output configuration for aggregated transcript and clinical note generation. These are additional streaming session configurations beyond those provided in your initial start request headers. Whether you are starting a new session or resuming an existing session, your first event must be a `MedicalScribeConfigurationEvent`.

After you send a `MedicalScribeConfigurationEvent`, you start `AudioEvents` and AWS HealthScribe responds with real-time transcription results. When you are finished, to start processing the results with the post-stream analytics, send a `MedicalScribeSessionControlEvent` with a `Type` of `END_OF_SESSION` and AWS HealthScribe starts the analytics.

You can pause or resume streaming. To pause streaming, complete the input stream without sending the `MedicalScribeSessionControlEvent`. To resume streaming, call the `StartMedicalScribeStream` and specify the same SessionId you used to start the stream.

The following parameters are required:

- `language-code`
- `media-encoding`
- `media-sample-rate-hertz`

For more information on streaming with AWS HealthScribe, see AWS HealthScribe.

Request Syntax

```
POST /medical-scribe-stream HTTP/1.1
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
```

```
Content-type: application/json

{
   "AudioEvent": {
      "AudioChunk": blob
   },
   "ConfigurationEvent": {
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "EncryptionSettings": {
         "KmsEncryptionContext": {
            "string" : "string"
         },
         "KmsKeyId": "string"
      },
      "MedicalScribeContext": {
         "PatientContext": {
            "Pronouns": "string"
         }
      },
      "PostStreamAnalyticsSettings": {
         "ClinicalNoteGenerationSettings": {
            "NoteTemplate": "string",
            "OutputBucketName": "string"
         }
      },
      "ResourceAccessRoleArn": "string",
      "VocabularyFilterMethod": "string",
      "VocabularyFilterName": "string",
      "VocabularyName": "string"
   },
   "SessionControlEvent": {
      "Type": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

LanguageCode

Specify the language code for your HealthScribe streaming session.

Valid Values: `en-US`

Required: Yes

MediaEncoding

Specify the encoding used for the input audio.

Supported formats are:

- FLAC
- OPUS-encoded audio in an Ogg container
- PCM (only signed 16-bit little-endian audio formats, which does not include WAV)

For more information, see Media formats.

Valid Values: `pcm | ogg-opus | flac`

Required: Yes

MediaSampleRateHertz

Specify the sample rate of the input audio (in hertz). AWS HealthScribe supports a range from 16,000 Hz to 48,000 Hz. The sample rate you specify must match that of your audio.

Valid Range: Minimum value of 16000. Maximum value of 48000.

Required: Yes

SessionId

Specify an identifier for your streaming session (in UUID format). If you don't include a SessionId in your request, AWS HealthScribe generates an ID and returns it in the response.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

Request Body

The request accepts the following data in JSON format.

AudioEvent

A wrapper for your audio chunks

For more information, see Event stream encoding.

Type: MedicalScribeAudioEvent object

Required: No

ConfigurationEvent

Specify additional streaming session configurations beyond those provided in your initial start request headers. For example, specify channel definitions, encryption settings, and post-stream analytics settings.

Whether you are starting a new session or resuming an existing session, your first event must be a `MedicalScribeConfigurationEvent`.

Type: MedicalScribeConfigurationEvent object

Required: No

SessionControlEvent

Specify the lifecycle of your streaming session, such as ending the session.

Type: MedicalScribeSessionControlEvent object

Required: No

Response Syntax

```
HTTP/1.1 200
x-amzn-transcribe-session-id: SessionId
x-amzn-request-id: RequestId
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
Content-type: application/json

{
   "BadRequestException": {
```

```
    },
    "ConflictException": {
    },
    "InternalFailureException": {
    },
    "LimitExceededException": {
    },
    "ServiceUnavailableException": {
    },
    "TranscriptEvent": {
       "TranscriptSegment": {
          "BeginAudioTime": number,
          "ChannelId": "string",
          "Content": "string",
          "EndAudioTime": number,
          "IsPartial": boolean,
          "Items": [
             {
                "BeginAudioTime": number,
                "Confidence": number,
                "Content": "string",
                "EndAudioTime": number,
                "Type": "string",
                "VocabularyFilterMatch": boolean
             }
          ],
          "SegmentId": "string"
       }
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

LanguageCode

The Language Code that you specified in your request. Same as provided in the `StartMedicalScribeStreamRequest`.

Valid Values: `en-US`

MediaEncoding

The Media Encoding you specified in your request. Same as provided in the `StartMedicalScribeStreamRequest`

Valid Values: `pcm | ogg-opus | flac`

MediaSampleRateHertz

The sample rate (in hertz) that you specified in your request. Same as provided in the `StartMedicalScribeStreamRequest`

Valid Range: Minimum value of 16000. Maximum value of 48000.

RequestId

The unique identifier for your streaming request.

SessionId

The identifier (in UUID format) for your streaming session.

If you already started streaming, this is same ID as the one you specified in your initial `StartMedicalScribeStreamRequest`.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

The following data is returned in JSON format by the service.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

Type: Exception

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

TranscriptEvent

The transcript event that contains real-time transcription results.

Type: MedicalScribeTranscriptEvent object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

HTTP Status Code: 503

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartMedicalStreamTranscription

Service: Amazon Transcribe Streaming Service

Starts a bidirectional HTTP/2 or WebSocket stream where audio is streamed to Amazon Transcribe Medical and the transcription results are streamed to your application.

The following parameters are required:

- `language-code`
- `media-encoding`
- `sample-rate`

For more information on streaming with Amazon Transcribe Medical, see Transcribing streaming audio.

Request Syntax

```
POST /medical-stream-transcription HTTP/1.1
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
x-amzn-transcribe-vocabulary-name: VocabularyName
x-amzn-transcribe-specialty: Specialty
x-amzn-transcribe-type: Type
x-amzn-transcribe-show-speaker-label: ShowSpeakerLabel
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-enable-channel-identification: EnableChannelIdentification
x-amzn-transcribe-number-of-channels: NumberOfChannels
x-amzn-transcribe-content-identification-type: ContentIdentificationType
Content-type: application/json

{
   "AudioEvent": {
      "AudioChunk": blob
   },
   "ConfigurationEvent": {
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
```

```
      ],
      "PostCallAnalyticsSettings": {
         "ContentRedactionOutput": "string",
         "DataAccessRoleArn": "string",
         "OutputEncryptionKMSKeyId": "string",
         "OutputLocation": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ContentIdentificationType

Labels all personal health information (PHI) identified in your transcript.

Content identification is performed at the segment level; PHI is flagged upon complete transcription of an audio segment.

For more information, see Identifying personal health information (PHI) in a transcription.

Valid Values: `PHI`

EnableChannelIdentification

Enables channel identification in multi-channel audio.

Channel identification transcribes the audio on each channel independently, then appends the output for each channel into one transcript.

If you have multi-channel audio and do not enable channel identification, your audio is transcribed in a continuous manner and your transcript is not separated by channel.

If you include `EnableChannelIdentification` in your request, you must also include `NumberOfChannels`.

For more information, see Transcribing multi-channel audio.

LanguageCode

Specify the language code that represents the language spoken in your audio.

> **Important**
>
> Amazon Transcribe Medical only supports US English (en-US).

Valid Values: en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES | hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ

Required: Yes

MediaEncoding

Specify the encoding used for the input audio. Supported formats are:

- FLAC
- OPUS-encoded audio in an Ogg container
- PCM (only signed 16-bit little-endian audio formats, which does not include WAV)

For more information, see Media formats.

Valid Values: pcm | ogg-opus | flac

Required: Yes

MediaSampleRateHertz

The sample rate of the input audio (in hertz). Amazon Transcribe Medical supports a range from 16,000 Hz to 48,000 Hz. Note that the sample rate you specify must match that of your audio.

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: Yes

NumberOfChannels

Specify the number of channels in your audio stream. This value must be 2, as only two channels are supported. If your audio doesn't contain multiple channels, do not include this parameter in your request.

If you include `NumberOfChannels` in your request, you must also include `EnableChannelIdentification`.

Valid Range: Minimum value of 2.

SessionId

Specify a name for your transcription session. If you don't include this parameter in your request, Amazon Transcribe Medical generates an ID and returns it in the response.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

ShowSpeakerLabel

Enables speaker partitioning (diarization) in your transcription output. Speaker partitioning labels the speech from individual speakers in your media file.

For more information, see Partitioning speakers (diarization).

Specialty

Specify the medical specialty contained in your audio.

Valid Values: `PRIMARYCARE | CARDIOLOGY | NEUROLOGY | ONCOLOGY | RADIOLOGY | UROLOGY`

Required: Yes

Type

Specify the type of input audio. For example, choose `DICTATION` for a provider dictating patient notes and `CONVERSATION` for a dialogue between a patient and a medical professional.

Valid Values: `CONVERSATION | DICTATION`

Required: Yes

VocabularyName

Specify the name of the custom vocabulary that you want to use when processing your transcription. Note that vocabulary names are case sensitive.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Request Body

The request accepts the following data in JSON format.

AudioEvent

A blob of audio from your application. Your audio stream consists of one or more audio events.

For more information, see Event stream encoding.

Type: AudioEvent object

Required: No

ConfigurationEvent

Contains audio channel definitions and post-call analytics settings.

Type: ConfigurationEvent object

Required: No

Response Syntax

```
HTTP/1.1 200
x-amzn-request-id: RequestId
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
x-amzn-transcribe-vocabulary-name: VocabularyName
x-amzn-transcribe-specialty: Specialty
x-amzn-transcribe-type: Type
x-amzn-transcribe-show-speaker-label: ShowSpeakerLabel
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-enable-channel-identification: EnableChannelIdentification
```

```
x-amzn-transcribe-number-of-channels: NumberOfChannels
x-amzn-transcribe-content-identification-type: ContentIdentificationType
Content-type: application/json

{
   "BadRequestException": {
   },
   "ConflictException": {
   },
   "InternalFailureException": {
   },
   "LimitExceededException": {
   },
   "ServiceUnavailableException": {
   },
   "TranscriptEvent": {
      "Transcript": {
         "Results": [
            {
               "Alternatives": [
                  {
                     "Entities": [
                        {
                           "Category": "string",
                           "Confidence": number,
                           "Content": "string",
                           "EndTime": number,
                           "StartTime": number
                        }
                     ],
                     "Items": [
                        {
                           "Confidence": number,
                           "Content": "string",
                           "EndTime": number,
                           "Speaker": "string",
                           "StartTime": number,
                           "Type": "string"
                        }
                     ],
                     "Transcript": "string"
                  }
               ],
               "ChannelId": "string",
```

```
                "EndTime": number,
                "IsPartial": boolean,
                "ResultId": "string",
                "StartTime": number
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

ContentIdentificationType

Shows whether content identification was enabled for your transcription.

Valid Values: PHI

EnableChannelIdentification

Shows whether channel identification was enabled for your transcription.

LanguageCode

Provides the language code that you specified in your request. This must be en-US.

Valid Values: en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES | hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ

MediaEncoding

Provides the media encoding you specified in your request.

Valid Values: `pcm | ogg-opus | flac`

MediaSampleRateHertz

Provides the sample rate that you specified in your request.

Valid Range: Minimum value of 8000. Maximum value of 48000.

NumberOfChannels

Provides the number of channels that you specified in your request.

Valid Range: Minimum value of 2.

RequestId

Provides the identifier for your streaming request.

SessionId

Provides the identifier for your transcription session.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

ShowSpeakerLabel

Shows whether speaker partitioning was enabled for your transcription.

Specialty

Provides the medical specialty that you specified in your request.

Valid Values: `PRIMARYCARE | CARDIOLOGY | NEUROLOGY | ONCOLOGY | RADIOLOGY | UROLOGY`

Type

Provides the type of audio you specified in your request.

Valid Values: `CONVERSATION | DICTATION`

VocabularyName

Provides the name of the custom vocabulary that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

The following data is returned in JSON format by the service.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

Type: Exception

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

TranscriptEvent

The `MedicalTranscriptEvent` associated with a `MedicalTranscriptResultStream`.

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Type: MedicalTranscriptEvent object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

HTTP Status Code: 503

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartStreamTranscription

Service: Amazon Transcribe Streaming Service

Starts a bidirectional HTTP/2 or WebSocket stream where audio is streamed to Amazon Transcribe and the transcription results are streamed to your application.

The following parameters are required:

- `language-code` or `identify-language` or `identify-multiple-language`
- `media-encoding`
- `sample-rate`

For more information on streaming with Amazon Transcribe, see Transcribing streaming audio.

Request Syntax

```
POST /stream-transcription HTTP/1.1
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
x-amzn-transcribe-vocabulary-name: VocabularyName
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-vocabulary-filter-name: VocabularyFilterName
x-amzn-transcribe-vocabulary-filter-method: VocabularyFilterMethod
x-amzn-transcribe-show-speaker-label: ShowSpeakerLabel
x-amzn-transcribe-enable-channel-identification: EnableChannelIdentification
x-amzn-transcribe-number-of-channels: NumberOfChannels
x-amzn-transcribe-enable-partial-results-
stabilization: EnablePartialResultsStabilization
x-amzn-transcribe-partial-results-stability: PartialResultsStability
x-amzn-transcribe-content-identification-type: ContentIdentificationType
x-amzn-transcribe-content-redaction-type: ContentRedactionType
x-amzn-transcribe-pii-entity-types: PiiEntityTypes
x-amzn-transcribe-language-model-name: LanguageModelName
x-amzn-transcribe-identify-language: IdentifyLanguage
x-amzn-transcribe-language-options: LanguageOptions
x-amzn-transcribe-preferred-language: PreferredLanguage
x-amzn-transcribe-identify-multiple-languages: IdentifyMultipleLanguages
x-amzn-transcribe-vocabulary-names: VocabularyNames
x-amzn-transcribe-vocabulary-filter-names: VocabularyFilterNames
x-amzn-transcribe-session-resume-window: SessionResumeWindow
```

```
x-amzn-transcribe-transcript-format: TranscriptFormat
Content-type: application/json

{
   "AudioEvent": {
      "AudioChunk": blob
   },
   "ConfigurationEvent": {
      "ChannelDefinitions": [
         {
            "ChannelId": number,
            "ParticipantRole": "string"
         }
      ],
      "PostCallAnalyticsSettings": {
         "ContentRedactionOutput": "string",
         "DataAccessRoleArn": "string",
         "OutputEncryptionKMSKeyId": "string",
         "OutputLocation": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ContentIdentificationType

Labels all personally identifiable information (PII) identified in your transcript.

Content identification is performed at the segment level; PII specified in `PiiEntityTypes` is flagged upon complete transcription of an audio segment. If you don't include `PiiEntityTypes` in your request, all PII is identified.

You can't set `ContentIdentificationType` and `ContentRedactionType` in the same request. If you set both, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information.

Valid Values: `PII`

ContentRedactionType

Redacts all personally identifiable information (PII) identified in your transcript.

Content redaction is performed at the segment level; PII specified in `PiiEntityTypes` is redacted upon complete transcription of an audio segment. If you don't include `PiiEntityTypes` in your request, all PII is redacted.

You can't set `ContentRedactionType` and `ContentIdentificationType` in the same request. If you set both, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information.

Valid Values: `PII`

EnableChannelIdentification

Enables channel identification in multi-channel audio.

Channel identification transcribes the audio on each channel independently, then appends the output for each channel into one transcript.

If you have multi-channel audio and do not enable channel identification, your audio is transcribed in a continuous manner and your transcript is not separated by channel.

If you include `EnableChannelIdentification` in your request, you must also include `NumberOfChannels`.

For more information, see Transcribing multi-channel audio.

EnablePartialResultsStabilization

Enables partial result stabilization for your transcription. Partial result stabilization can reduce latency in your output, but may impact accuracy. For more information, see Partial-result stabilization.

IdentifyLanguage

Enables automatic language identification for your transcription.

If you include `IdentifyLanguage`, you must include a list of language codes, using `LanguageOptions`, that you think may be present in your audio stream.

You can also include a preferred language using `PreferredLanguage`. Adding a preferred language can help Amazon Transcribe identify the language faster than if you omit this parameter.

If you have multi-channel audio that contains different languages on each channel, and you've enabled channel identification, automatic language identification identifies the dominant language on each audio channel.

Note that you must include either `LanguageCode` or `IdentifyLanguage` or `IdentifyMultipleLanguages` in your request. If you include more than one of these parameters, your transcription job fails.

Streaming language identification can't be combined with custom language models or redaction.

IdentifyMultipleLanguages

Enables automatic multi-language identification in your transcription job request. Use this parameter if your stream contains more than one language. If your stream contains only one language, use IdentifyLanguage instead.

If you include `IdentifyMultipleLanguages`, you must include a list of language codes, using `LanguageOptions`, that you think may be present in your stream.

If you want to apply a custom vocabulary or a custom vocabulary filter to your automatic multiple language identification request, include `VocabularyNames` or `VocabularyFilterNames`.

Note that you must include one of `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages` in your request. If you include more than one of these parameters, your transcription job fails.

LanguageCode

Specify the language code that represents the language spoken in your audio.

If you're unsure of the language spoken in your audio, consider using `IdentifyLanguage` to enable automatic language identification.

For a list of languages supported with Amazon Transcribe streaming, refer to the Supported languages table.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES | hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ`

LanguageModelName

Specify the name of the custom language model that you want to use when processing your transcription. Note that language model names are case sensitive.

The language of the specified language model must match the language code you specify in your transcription request. If the languages don't match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

For more information, see Custom language models.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

LanguageOptions

Specify two or more language codes that represent the languages you think may be present in your media; including more than five is not recommended.

Including language options can improve the accuracy of language identification.

If you include `LanguageOptions` in your request, you must also include `IdentifyLanguage` or `IdentifyMultipleLanguages`.

For a list of languages supported with Amazon Transcribe streaming, refer to the Supported languages table.

> **Important**
>
> You can only include one language dialect per language per stream. For example, you cannot include `en-US` and `en-AU` in the same request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[a-zA-Z-,]+`

MediaEncoding

Specify the encoding of your input audio. Supported formats are:

- FLAC
- OPUS-encoded audio in an Ogg container
- PCM (only signed 16-bit little-endian audio formats, which does not include WAV)

For more information, see Media formats.

Valid Values: `pcm | ogg-opus | flac`

Required: Yes

MediaSampleRateHertz

The sample rate of the input audio (in hertz). Low-quality audio, such as telephone audio, is typically around 8,000 Hz. High-quality audio typically ranges from 16,000 Hz to 48,000 Hz. Note that the sample rate you specify must match that of your audio.

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: Yes

NumberOfChannels

Specify the number of channels in your audio stream. This value must be 2, as only two channels are supported. If your audio doesn't contain multiple channels, do not include this parameter in your request.

If you include `NumberOfChannels` in your request, you must also include `EnableChannelIdentification`.

Valid Range: Minimum value of 2.

PartialResultsStability

Specify the level of stability to use when you enable partial results stabilization (`EnablePartialResultsStabilization`).

Low stability provides the highest accuracy. High stability transcribes faster, but with slightly lower accuracy.

For more information, see Partial-result stabilization.

Valid Values: `high | medium | low`

PiiEntityTypes

Specify which types of personally identifiable information (PII) you want to redact in your transcript. You can include as many types as you'd like, or you can select `ALL`.

Values must be comma-separated and can include: `ADDRESS`, `BANK_ACCOUNT_NUMBER`, `BANK_ROUTING`, `CREDIT_DEBIT_CVV`, `CREDIT_DEBIT_EXPIRY`, `CREDIT_DEBIT_NUMBER`, `EMAIL`, `NAME`, `PHONE`, `PIN`, `SSN`, `AGE`, `DATE_TIME`, `LICENSE_PLATE`, `PASSPORT_NUMBER`, `PASSWORD`, `USERNAME`, `VEHICLE_IDENTIFICATION_NUMBER`, or `ALL`.

Note that if you include `PiiEntityTypes` in your request, you must also include `ContentIdentificationType` or `ContentRedactionType`.

If you include `ContentRedactionType` or `ContentIdentificationType` in your request, but do not include `PiiEntityTypes`, all PII is redacted or identified.

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

PreferredLanguage

Specify a preferred language from the subset of languages codes you specified in `LanguageOptions`.

You can only use this parameter if you've included `IdentifyLanguage` and `LanguageOptions` in your request.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES`

```
| ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW
| en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES
| hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV
| ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN
| zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-
WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-
ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK |
ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI |
sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN |
tr-TR | uz-UZ
```

SessionId

Specify a name for your transcription session. If you don't include this parameter in your request, Amazon Transcribe generates an ID and returns it in the response.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

SessionResumeWindow

Specify the time window, in minutes, during which your transcription session can be resumed, measured from the stream start time. This optional parameter accepts integer values from 1 to 300 (5 hours).

For example, if your stream starts at 1 PM and you specify a `SessionResumeWindow` of 30 minutes, you can reconnect to the session as many times as you want until 1:30 PM.

Valid Range: Minimum value of 1. Maximum value of 300.

ShowSpeakerLabel

Enables speaker partitioning (diarization) in your transcription output. Speaker partitioning labels the speech from individual speakers in your media file.

For more information, see Partitioning speakers (diarization).

TranscriptFormat

Specify how numbers, dates, and other alphanumeric entities are rendered in your transcription results.

- `WRITTEN` renders these entities in their standard written form (for example, `$50`, `10:30 AM`, and `101`).
- `SPOKEN` renders these entities as words, exactly as they were spoken (for example, `fifty dollars`, `ten thirty a m`, and `one oh one`).

If you don't specify a value, Amazon Transcribe uses `WRITTEN` by default.

Valid Values: `spoken | written`

VocabularyFilterMethod

Specify how you want your vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Valid Values: `remove | mask | tag`

VocabularyFilterName

Specify the name of the custom vocabulary filter that you want to use when processing your transcription. Note that vocabulary filter names are case sensitive.

If the language of the specified custom vocabulary filter doesn't match the language identified in your media, the vocabulary filter is not applied to your transcription.

> **Important**
>
> This parameter is **not** intended for use with the `IdentifyLanguage` parameter. If you're including `IdentifyLanguage` in your request and want to use one or more vocabulary filters with your transcription, use the `VocabularyFilterNames` parameter instead.

For more information, see Using vocabulary filtering with unwanted words.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyFilterNames

Specify the names of the custom vocabulary filters that you want to use when processing your transcription. Note that vocabulary filter names are case sensitive.

If none of the languages of the specified custom vocabulary filters match the language identified in your media, your job fails.

> **Important**
>
> This parameter is only intended for use **with** the `IdentifyLanguage` parameter. If you're **not** including `IdentifyLanguage` in your request and want to use a custom vocabulary filter with your transcription, use the `VocabularyFilterName` parameter instead.

For more information, see Using vocabulary filtering with unwanted words.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

VocabularyName

Specify the name of the custom vocabulary that you want to use when processing your transcription. Note that vocabulary names are case sensitive.

If the language of the specified custom vocabulary doesn't match the language identified in your media, the custom vocabulary is not applied to your transcription.

> **Important**
>
> This parameter is **not** intended for use with the `IdentifyLanguage` parameter. If you're including `IdentifyLanguage` in your request and want to use one or more custom vocabularies with your transcription, use the `VocabularyNames` parameter instead.

For more information, see Custom vocabularies.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyNames

Specify the names of the custom vocabularies that you want to use when processing your transcription. Note that vocabulary names are case sensitive.

If none of the languages of the specified custom vocabularies match the language identified in your media, your job fails.

> **Important**
>
> This parameter is only intended for use **with** the `IdentifyLanguage` parameter. If you're **not** including `IdentifyLanguage` in your request and want to use a custom vocabulary with your transcription, use the `VocabularyName` parameter instead.

For more information, see Custom vocabularies.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

Request Body

The request accepts the following data in JSON format.

AudioEvent

A blob of audio from your application. Your audio stream consists of one or more audio events.

For more information, see Event stream encoding.

Type: AudioEvent object

Required: No

ConfigurationEvent

Contains audio channel definitions and post-call analytics settings.

Type: ConfigurationEvent object

Required: No

Response Syntax

```
HTTP/1.1 200
x-amzn-request-id: RequestId
x-amzn-transcribe-language-code: LanguageCode
x-amzn-transcribe-sample-rate: MediaSampleRateHertz
x-amzn-transcribe-media-encoding: MediaEncoding
x-amzn-transcribe-vocabulary-name: VocabularyName
x-amzn-transcribe-session-id: SessionId
x-amzn-transcribe-vocabulary-filter-name: VocabularyFilterName
x-amzn-transcribe-vocabulary-filter-method: VocabularyFilterMethod
x-amzn-transcribe-show-speaker-label: ShowSpeakerLabel
x-amzn-transcribe-enable-channel-identification: EnableChannelIdentification
x-amzn-transcribe-number-of-channels: NumberOfChannels
x-amzn-transcribe-enable-partial-results-
stabilization: EnablePartialResultsStabilization
x-amzn-transcribe-partial-results-stability: PartialResultsStability
x-amzn-transcribe-content-identification-type: ContentIdentificationType
x-amzn-transcribe-content-redaction-type: ContentRedactionType
x-amzn-transcribe-pii-entity-types: PiiEntityTypes
x-amzn-transcribe-language-model-name: LanguageModelName
x-amzn-transcribe-identify-language: IdentifyLanguage
x-amzn-transcribe-language-options: LanguageOptions
x-amzn-transcribe-preferred-language: PreferredLanguage
x-amzn-transcribe-identify-multiple-languages: IdentifyMultipleLanguages
x-amzn-transcribe-vocabulary-names: VocabularyNames
x-amzn-transcribe-vocabulary-filter-names: VocabularyFilterNames
x-amzn-transcribe-session-resume-window: SessionResumeWindow
x-amzn-transcribe-transcript-format: TranscriptFormat
Content-type: application/json

{
   "BadRequestException": {
   },
   "ConflictException": {
   },
   "InternalFailureException": {
   },
   "LimitExceededException": {
   },
   "ServiceUnavailableException": {
   },
   "TranscriptEvent": {
```

```
   "Transcript": {
      "Results": [
         {
            "Alternatives": [
               {
                  "Entities": [
                     {
                        "Category": "string",
                        "Confidence": number,
                        "Content": "string",
                        "EndTime": number,
                        "StartTime": number,
                        "Type": "string"
                     }
                  ],
                  "Items": [
                     {
                        "Confidence": number,
                        "Content": "string",
                        "EndTime": number,
                        "Speaker": "string",
                        "Stable": boolean,
                        "StartTime": number,
                        "Type": "string",
                        "VocabularyFilterMatch": boolean
                     }
                  ],
                  "Transcript": "string"
               }
            ],
            "ChannelId": "string",
            "EndTime": number,
            "IsPartial": boolean,
            "LanguageCode": "string",
            "LanguageIdentification": [
               {
                  "LanguageCode": "string",
                  "Score": number
               }
            ],
            "ResultId": "string",
            "StartTime": number
         }
      ]
```

```
        }
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

ContentIdentificationType

Shows whether content identification was enabled for your transcription.

Valid Values: `PII`

ContentRedactionType

Shows whether content redaction was enabled for your transcription.

Valid Values: `PII`

EnableChannelIdentification

Shows whether channel identification was enabled for your transcription.

EnablePartialResultsStabilization

Shows whether partial results stabilization was enabled for your transcription.

IdentifyLanguage

Shows whether automatic language identification was enabled for your transcription.

IdentifyMultipleLanguages

Shows whether automatic multi-language identification was enabled for your transcription.

LanguageCode

Provides the language code that you specified in your request.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES`

`| hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ`

LanguageModelName

Provides the name of the custom language model that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

LanguageOptions

Provides the language codes that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[a-zA-Z-,]+`

MediaEncoding

Provides the media encoding you specified in your request.

Valid Values: `pcm | ogg-opus | flac`

MediaSampleRateHertz

Provides the sample rate that you specified in your request.

Valid Range: Minimum value of 8000. Maximum value of 48000.

NumberOfChannels

Provides the number of channels that you specified in your request.

Valid Range: Minimum value of 2.

PartialResultsStability

Provides the stabilization level used for your transcription.

Valid Values: `high | medium | low`

PiiEntityTypes

Lists the PII entity types you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

PreferredLanguage

Provides the preferred language that you specified in your request.

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES | hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ`

RequestId

Provides the identifier for your streaming request.

SessionId

Provides the identifier for your transcription session.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

SessionResumeWindow

Provides the session resume window, in minutes, that you specified in your request.

Valid Range: Minimum value of 1. Maximum value of 300.

ShowSpeakerLabel

Shows whether speaker partitioning was enabled for your transcription.

TranscriptFormat

Provides the transcript format that you specified in your request.

Valid Values: `spoken | written`

VocabularyFilterMethod

Provides the vocabulary filtering method used in your transcription.

Valid Values: `remove | mask | tag`

VocabularyFilterName

Provides the name of the custom vocabulary filter that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyFilterNames

Provides the names of the custom vocabulary filters that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

VocabularyName

Provides the name of the custom vocabulary that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

VocabularyNames

Provides the names of the custom vocabularies that you specified in your request.

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

The following data is returned in JSON format by the service.

BadRequestException

A client error occurred when the stream was created. Check the parameters of the request and try your request again.

Type: Exception

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

TranscriptEvent

Contains `Transcript`, which contains `Results`. The `Result` object contains a set of transcription results from one or more audio segments, along with additional information per your request parameters.

Type: TranscriptEvent object

Errors

For information about the errors that are common to all actions, see Common Error Types.

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

HTTP Status Code: 400

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

HTTP Status Code: 409

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

HTTP Status Code: 500

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

HTTP Status Code: 429

ServiceUnavailableException

The service is currently unavailable. Try your request later.

HTTP Status Code: 503

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The following data types are supported by Amazon Transcribe Service:

- AbsoluteTimeRange
- CallAnalyticsJob
- CallAnalyticsJobDetails
- CallAnalyticsJobSettings
- CallAnalyticsJobSummary
- CallAnalyticsSkippedFeature
- CategoryProperties
- ChannelDefinition
- ClinicalNoteGenerationSettings
- ContentRedaction
- EncryptionConfiguration
- InputDataConfig
- InterruptionFilter
- JobExecutionSettings
- LanguageCodeItem
- LanguageIdSettings
- LanguageModel
- Media
- MedicalScribeChannelDefinition
- MedicalScribeContext
- MedicalScribeJob
- MedicalScribeJobSummary
- MedicalScribeOutput
- MedicalScribePatientContext
- MedicalScribeSettings
- MedicalTranscript
- MedicalTranscriptionJob

- MedicalTranscriptionJobSummary
- MedicalTranscriptionSetting
- ModelSettings
- NonTalkTimeFilter
- RelativeTimeRange
- Rule
- SentimentFilter
- Settings
- Subtitles
- SubtitlesOutput
- Summarization
- SyncItem
- SyncLanguageCodeItem
- SyncMedia
- SyncOutputConfiguration
- SyncRedaction
- Tag
- ToxicityDetectionSettings
- TranscribeAudioMetadata
- TranscribeAudioResults
- Transcript
- TranscriptFilter
- TranscriptionJob
- TranscriptionJobSummary
- TranscriptResponse
- VocabularyFilterEntry
- VocabularyFilterInfo
- VocabularyFilterSettings
- VocabularyInfo
- VocabularyPhrase

- VocabularySettingsEntry

The following data types are supported by Amazon Transcribe Streaming Service:

- Alternative
- AudioEvent
- AudioStream
- CallAnalyticsEntity
- CallAnalyticsItem
- CallAnalyticsLanguageWithScore
- CallAnalyticsTranscriptResultStream
- CategoryEvent
- ChannelDefinition
- CharacterOffsets
- ClinicalNoteGenerationResult
- ClinicalNoteGenerationSettings
- ConfigurationEvent
- Entity
- IssueDetected
- Item
- LanguageWithScore
- MedicalAlternative
- MedicalEntity
- MedicalItem
- MedicalResult
- MedicalScribeAudioEvent
- MedicalScribeChannelDefinition
- MedicalScribeConfigurationEvent
- MedicalScribeContext
- MedicalScribeEncryptionSettings
- MedicalScribeInputStream

- MedicalScribePatientContext
- MedicalScribePostStreamAnalyticsResult
- MedicalScribePostStreamAnalyticsSettings
- MedicalScribeResultStream
- MedicalScribeSessionControlEvent
- MedicalScribeStreamDetails
- MedicalScribeTranscriptEvent
- MedicalScribeTranscriptItem
- MedicalScribeTranscriptSegment
- MedicalTranscript
- MedicalTranscriptEvent
- MedicalTranscriptResultStream
- PointsOfInterest
- PostCallAnalyticsSettings
- Result
- TimestampRange
- Transcript
- TranscriptEvent
- TranscriptResultStream
- UtteranceEvent

Amazon Transcribe Service

The following data types are supported by Amazon Transcribe Service:

- AbsoluteTimeRange
- CallAnalyticsJob
- CallAnalyticsJobDetails
- CallAnalyticsJobSettings
- CallAnalyticsJobSummary
- CallAnalyticsSkippedFeature

- CategoryProperties
- ChannelDefinition
- ClinicalNoteGenerationSettings
- ContentRedaction
- EncryptionConfiguration
- InputDataConfig
- InterruptionFilter
- JobExecutionSettings
- LanguageCodeItem
- LanguageIdSettings
- LanguageModel
- Media
- MedicalScribeChannelDefinition
- MedicalScribeContext
- MedicalScribeJob
- MedicalScribeJobSummary
- MedicalScribeOutput
- MedicalScribePatientContext
- MedicalScribeSettings
- MedicalTranscript
- MedicalTranscriptionJob
- MedicalTranscriptionJobSummary
- MedicalTranscriptionSetting
- ModelSettings
- NonTalkTimeFilter
- RelativeTimeRange
- Rule
- SentimentFilter
- Settings
- Subtitles

- SubtitlesOutput
- Summarization
- SyncItem
- SyncLanguageCodeItem
- SyncMedia
- SyncOutputConfiguration
- SyncRedaction
- Tag
- ToxicityDetectionSettings
- TranscribeAudioMetadata
- TranscribeAudioResults
- Transcript
- TranscriptFilter
- TranscriptionJob
- TranscriptionJobSummary
- TranscriptResponse
- VocabularyFilterEntry
- VocabularyFilterInfo
- VocabularyFilterSettings
- VocabularyInfo
- VocabularyPhrase
- VocabularySettingsEntry

AbsoluteTimeRange

Service: Amazon Transcribe Service

A time range, in milliseconds, between two points in your media file.

You can use `StartTime` and `EndTime` to search a custom segment. For example, setting `StartTime` to 10000 and `EndTime` to 50000 only searches for your specified criteria in the audio contained between the 10,000 millisecond mark and the 50,000 millisecond mark of your media file. You must use `StartTime` and `EndTime` as a set; that is, if you include one, you must include both.

You can use also `First` to search from the start of the audio until the time that you specify, or `Last` to search from the time that you specify until the end of the audio. For example, setting `First` to 50000 only searches for your specified criteria in the audio contained between the start of the media file to the 50,000 millisecond mark. You can use `First` and `Last` independently of each other.

If you prefer to use percentage instead of milliseconds, see RelativeTimeRange.

Contents

EndTime

The time, in milliseconds, when Amazon Transcribe stops searching for the specified criteria in your audio. If you include `EndTime` in your request, you must also include `StartTime`.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 14400000.

Required: No

First

The time, in milliseconds, from the start of your media file until the specified value. Amazon Transcribe searches for your specified criteria in this time segment.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 14400000.

Required: No

Last

The time, in milliseconds, from the specified value until the end of your media file. Amazon Transcribe searches for your specified criteria in this time segment.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 14400000.

Required: No

StartTime

The time, in milliseconds, when Amazon Transcribe starts searching for the specified criteria in your audio. If you include `StartTime` in your request, you must also include `EndTime`.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 14400000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsJob

Service: Amazon Transcribe Service

Provides detailed information about a Call Analytics job.

To view the job's status, refer to `CallAnalyticsJobStatus`. If the status is `COMPLETED`, the job is finished. You can find your completed transcript at the URI specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

If you enabled personally identifiable information (PII) redaction, the redacted transcript appears at the location specified in `RedactedTranscriptFileUri`.

If you chose to redact the audio in your media file, you can find your redacted media file at the location specified in the `RedactedMediaFileUri` field of your response.

Contents

CallAnalyticsJobDetails

Provides detailed information about a call analytics job, including information about skipped analytics features.

Type: CallAnalyticsJobDetails object

Required: No

CallAnalyticsJobName

The name of the Call Analytics job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

CallAnalyticsJobStatus

Provides the status of the specified Call Analytics job.

If the status is COMPLETED, the job is finished and you can find the results at the location specified in TranscriptFileUri (or RedactedTranscriptFileUri, if you requested transcript redaction). If the status is FAILED, FailureReason provides details on why your transcription job failed.

Type: String

Valid Values: QUEUED | IN_PROGRESS | FAILED | COMPLETED

Required: No

ChannelDefinitions

Indicates which speaker is on which channel.

Type: Array of ChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

CompletionTime

The date and time the specified Call Analytics job finished processing.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:33:13.922000-07:00 represents a transcription job that started processing at 12:33 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

CreationTime

The date and time the specified Call Analytics job request was made.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

DataAccessRoleArn

The Amazon Resource Name (ARN) you included in your request.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

FailureReason

If `CallAnalyticsJobStatus` is `FAILED`, `FailureReason` contains information about why the Call Analytics job request failed.

The `FailureReason` field contains one of the following values:

- `Unsupported media format`.

  The media format specified in `MediaFormat` isn't valid. Refer to refer to the `MediaFormat` parameter for a list of supported formats.

- `The media format provided does not match the detected media format`.

  The media format specified in `MediaFormat` doesn't match the format of the input file. Check the media format of your media file and correct the specified value.

- `Invalid sample rate for audio file`.

  The sample rate specified in `MediaSampleRateHertz` isn't valid. The sample rate must be between 8,000 and 48,000 hertz.

- `The sample rate provided does not match the detected sample rate`.

  The sample rate specified in `MediaSampleRateHertz` doesn't match the sample rate detected in your input media file. Check the sample rate of your media file and correct the specified value.

- `Invalid file size: file size too large`.

  The size of your media file is larger than what Amazon Transcribe can process. For more information, refer to Service quotas.

- `Invalid number of channels: number of channels too large.`

  Your audio contains more channels than Amazon Transcribe is able to process. For more information, refer to Service quotas.

Type: String

Required: No

IdentifiedLanguageScore

The confidence score associated with the language identified in your media file.

Confidence scores are values between 0 and 1; a larger value indicates a higher probability that the identified language correctly matches the language spoken in your media.

Type: Float

Required: No

LanguageCode

The language code used to create your Call Analytics job. For a list of supported languages and their associated language codes, refer to the Supported languages table.

If you do not know the language spoken in your media file, you can omit this field and let Amazon Transcribe automatically identify the language of your media. To improve the accuracy of language identification, you can include several language codes and Amazon Transcribe chooses the closest match for your transcription.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN |`

`mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: No

Media

Provides the Amazon S3 location of the media file you used in your Call Analytics request.

Type: Media object

Required: No

MediaFormat

The format of the input media file.

Type: String

Valid Values: `mp3 | mp4 | wav | flac | ogg | amr | webm | m4a`

Required: No

MediaSampleRateHertz

The sample rate, in hertz, of the audio track in your input media file.

Type: Integer

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: No

Settings

Provides information on any additional settings that were included in your request. Additional settings include content redaction and language identification settings.

Type: CallAnalyticsJobSettings object

Required: No

StartTime

The date and time the specified Call Analytics job began processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.789000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

Tags

The tags, each in the form of a key:value pair, assigned to the specified call analytics job.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Transcript

Provides you with the Amazon S3 URI you can use to access your transcript.

Type: Transcript object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsJobDetails

Service: Amazon Transcribe Service

Contains details about a call analytics job, including information about skipped analytics features.

Contents

Skipped

Contains information about any skipped analytics features during the analysis of a call analytics job.

This array lists all the analytics features that were skipped, along with their corresponding reason code and message.

Type: Array of CallAnalyticsSkippedFeature objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsJobSettings

Service: Amazon Transcribe Service

Provides additional optional settings for your StartCallAnalyticsJob request, including content redaction, automatic language identification; allows you to apply custom language models, custom vocabulary filters, and custom vocabularies.

Contents

ContentRedaction

Makes it possible to redact specified personally identifiable information (PII) in your transcript. If you use `ContentRedaction`, you must also include the sub-parameters: `RedactionOutput` and `RedactionType`. You can optionally include `PiiEntityTypes` to choose which types of PII you want to redact.

Type: ContentRedaction object

Required: No

LanguageIdSettings

If using automatic language identification in your request and you want to apply a custom language model, a custom vocabulary, or a custom vocabulary filter, include `LanguageIdSettings` with the relevant sub-parameters (`VocabularyName`, `LanguageModelName`, and `VocabularyFilterName`).

`LanguageIdSettings` supports two to five language codes. Each language code you include can have an associated custom language model, custom vocabulary, and custom vocabulary filter. The language codes that you specify must match the languages of the associated custom language models, custom vocabularies, and custom vocabulary filters.

It's recommended that you include `LanguageOptions` when using `LanguageIdSettings` to ensure that the correct language dialect is identified. For example, if you specify a custom vocabulary that is in `en-US` but Amazon Transcribe determines that the language spoken in your media is `en-AU`, your custom vocabulary *is not* applied to your transcription. If you include `LanguageOptions` and include `en-US` as the only English language dialect, your custom vocabulary *is* applied to your transcription.

If you want to include a custom language model, custom vocabulary, or custom vocabulary filter with your request but **do not** want to use automatic language identification, use

instead the `CallAnalyticsJobSettings` parameter with the `LanguageModelName`, `VocabularyName`, or `VocabularyFilterName` sub-parameters.

For a list of languages supported with Call Analytics, refer to Supported languages and language-specific features.

Type: String to LanguageIdSettings object map

Map Entries: Maximum number of 5 items.

Valid Keys: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: No

LanguageModelName

The name of the custom language model you want to use when processing your Call Analytics job. Note that custom language model names are case sensitive.

The language of the specified custom language model must match the language code that you specify in your transcription request. If the languages do not match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

LanguageOptions

You can specify two or more language codes that represent the languages you think may be present in your media. Including more than five is not recommended. If you're unsure what languages are present, do not include this parameter.

Including language options can improve the accuracy of language identification.

For a list of languages supported with Call Analytics, refer to the Supported languages table.

To transcribe speech in Modern Standard Arabic (`ar-SA`) in AWS GovCloud (US) (US-West, us-gov-west-1), AWS GovCloud (US) (US-East, us-gov-east-1), Canada (Calgary) ca-west-1 and Africa (Cape Town) af-south-1, your media file must be encoded at a sample rate of 16,000 Hz or higher.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: No

Summarization

Contains `GenerateAbstractiveSummary`, which is a required parameter if you want to enable Generative call summarization in your Call Analytics request.

Type: Summarization object

Required: No

VocabularyFilterMethod

Specify how you want your custom vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

The name of the custom vocabulary filter you want to include in your Call Analytics transcription request. Custom vocabulary filter names are case sensitive.

Note that if you include `VocabularyFilterName` in your request, you must also include `VocabularyFilterMethod`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyName

The name of the custom vocabulary you want to include in your Call Analytics transcription request. Custom vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsJobSummary

Service: Amazon Transcribe Service

Provides detailed information about a specific Call Analytics job.

Contents

CallAnalyticsJobDetails

Provides detailed information about a call analytics job, including information about skipped analytics features.

Type: CallAnalyticsJobDetails object

Required: No

CallAnalyticsJobName

The name of the Call Analytics job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

CallAnalyticsJobStatus

Provides the status of your Call Analytics job.

If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri` (or `RedactedTranscriptFileUri`, if you requested transcript redaction). If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

CompletionTime

The date and time the specified Call Analytics job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:33:13.922000-07:00` represents a transcription job that started processing at 12:33 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

CreationTime

The date and time the specified Call Analytics job request was made.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

FailureReason

If `CallAnalyticsJobStatus` is `FAILED`, `FailureReason` contains information about why the Call Analytics job failed. See also: Common Errors.

Type: String

Required: No

LanguageCode

The language code used to create your Call Analytics transcription.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW`

| th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

StartTime

The date and time your Call Analytics job began processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.789000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsSkippedFeature

Service: Amazon Transcribe Service

Represents a skipped analytics feature during the analysis of a call analytics job.

The `Feature` field indicates the type of analytics feature that was skipped.

The `Message` field contains additional information or a message explaining why the analytics feature was skipped.

The `ReasonCode` field provides a code indicating the reason why the analytics feature was skipped.

Contents

Feature

Indicates the type of analytics feature that was skipped during the analysis of a call analytics job.

Type: String

Valid Values: `GENERATIVE_SUMMARIZATION`

Required: No

Message

Contains additional information or a message explaining why a specific analytics feature was skipped during the analysis of a call analytics job.

Type: String

Required: No

ReasonCode

Provides a code indicating the reason why a specific analytics feature was skipped during the analysis of a call analytics job.

Type: String

Valid Values: `INSUFFICIENT_CONVERSATION_CONTENT | FAILED_SAFETY_GUIDELINES`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CategoryProperties

Service: Amazon Transcribe Service

Provides you with the properties of the Call Analytics category you specified in your request. This includes the list of rules that define the specified category.

Contents

CategoryName

The name of the Call Analytics category. Category names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

CreateTime

The date and time the specified Call Analytics category was created.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

InputType

The input type associated with the specified category. `POST_CALL` refers to a category that is applied to batch transcriptions; `REAL_TIME` refers to a category that is applied to streaming transcriptions.

Type: String

Valid Values: `REAL_TIME | POST_CALL`

Required: No

LastUpdateTime

The date and time the specified Call Analytics category was last updated.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-05T12:45:32.691000-07:00` represents 12:45 PM UTC-7 on May 5, 2022.

Type: Timestamp

Required: No

Rules

The rules used to define a Call Analytics category. Each category can have between 1 and 20 rules.

Type: Array of Rule objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

Tags

The tags, each in the form of a key:value pair, assigned to the specified call analytics category.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelDefinition

Service: Amazon Transcribe Service

Makes it possible to specify which speaker is on which channel. For example, if your agent is the first participant to speak, you would set `ChannelId` to `0` (to indicate the first channel) and `ParticipantRole` to `AGENT` (to indicate that it's the agent speaking).

Contents

ChannelId

Specify the audio channel you want to define.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

ParticipantRole

Specify the speaker you want to define. Omitting this parameter is equivalent to specifying both participants.

Type: String

Valid Values: `AGENT | CUSTOMER`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ClinicalNoteGenerationSettings

Service: Amazon Transcribe Service

The output configuration for clinical note generation.

Contents

NoteTemplate

Specify one of the following templates to use for the clinical note summary. The default is `HISTORY_AND_PHYSICAL`.

- HISTORY_AND_PHYSICAL: Provides summaries for key sections of the clinical documentation. Examples of sections include Chief Complaint, History of Present Illness, Review of Systems, Past Medical History, Assessment, and Plan.
- GIRPP: Provides summaries based on the patients progress toward goals. Examples of sections include Goal, Intervention, Response, Progress, and Plan.
- BIRP: Focuses on the patient's behavioral patterns and responses. Examples of sections include Behavior, Intervention, Response, and Plan.
- SIRP: Emphasizes the situational context of therapy. Examples of sections include Situation, Intervention, Response, and Plan.
- DAP: Provides a simplified format for clinical documentation. Examples of sections include Data, Assessment, and Plan.
- BEHAVIORAL_SOAP: Behavioral health focused documentation format. Examples of sections include Subjective, Objective, Assessment, and Plan.
- PHYSICAL_SOAP: Physical health focused documentation format. Examples of sections include Subjective, Objective, Assessment, and Plan.

Type: String

Valid Values: `HISTORY_AND_PHYSICAL | GIRPP | BIRP | SIRP | DAP | BEHAVIORAL_SOAP | PHYSICAL_SOAP`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ContentRedaction

Service: Amazon Transcribe Service

Makes it possible to redact specified personally identifiable information (PII) in your transcript. If you use `ContentRedaction`, you must also include the sub-parameters: `RedactionOutput` and `RedactionType`. You can optionally include `PiiEntityTypes` to choose which types of PII you want to redact.

Contents

RedactionOutput

Specify if you want only a redacted transcript, or if you want a redacted and an unredacted transcript.

When you choose `redacted` Amazon Transcribe creates only a redacted transcript.

When you choose `redacted_and_unredacted` Amazon Transcribe creates a redacted and an unredacted transcript. For batch jobs, Amazon Transcribe creates two separate files. For `TranscribeAudio`, Amazon Transcribe returns them in `RedactedResults` and `Results`, or writes them as two separate files if you use `OutputConfiguration`.

Type: String

Valid Values: `redacted | redacted_and_unredacted`

Required: Yes

RedactionType

Specify the category of information you want to redact; `PII` (personally identifiable information) is the only valid value. You can use `PiiEntityTypes` to choose which types of PII you want to redact. If you do not include `PiiEntityTypes` in your request, all PII is redacted.

Type: String

Valid Values: `PII`

Required: Yes

PiiEntityTypes

Specify which types of personally identifiable information (PII) you want to redact in your transcript. You can include as many types as you'd like, or you can select `ALL`. If you do not include `PiiEntityTypes` in your request, all PII is redacted.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 29 items.

Valid Values: `BANK_ACCOUNT_NUMBER | BANK_ROUTING | CREDIT_DEBIT_NUMBER | CREDIT_DEBIT_CVV | CREDIT_DEBIT_EXPIRY | PIN | EMAIL | ADDRESS | NAME | PHONE | SSN | DATE_TIME | PASSPORT_NUMBER | DRIVER_ID | URL | AGE | USERNAME | PASSWORD | AWS_ACCESS_KEY | AWS_SECRET_KEY | IP_ADDRESS | MAC_ADDRESS | LICENSE_PLATE | VEHICLE_IDENTIFICATION_NUMBER | US_INDIVIDUAL_TAX_IDENTIFICATION_NUMBER | CA_HEALTH_NUMBER | CA_SOCIAL_INSURANCE_NUMBER | INTERNATIONAL_BANK_ACCOUNT_NUMBER | SWIFT_CODE | ALL`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EncryptionConfiguration

Service: Amazon Transcribe Service

The encryption configuration for your custom resource. Specify a customer managed AWS KMS key, and optionally an encryption context, to encrypt your custom vocabulary, custom vocabulary filter, or custom language model artifacts at rest. If you do not provide a key, your artifacts are encrypted with an AWS owned key.

Contents

KMSKey

The Amazon Resource Name (ARN) of the AWS KMS key you want to use to encrypt your resource artifacts. Only full AWS KMS key ARN format is supported.

AWS KMS key ARNs have the format `arn:partition:kms:region:account:key/key-id`. For example: `arn:aws:kms:us-west-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab`.

For more information, see KMS key ARNs.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,2048}$`

Required: Yes

KMSEncryptionContext

A map of plain text, non-secret key:value pairs, known as encryption context pairs, that provide an added layer of security for your data. For more information, see KMS encryption context.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 2000.

Key Pattern: `^[\x20-\x7E]+$`

Value Length Constraints: Minimum length of 1. Maximum length of 2000.

Value Pattern: ^[\x20-\x7E]+$

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InputDataConfig

Service: Amazon Transcribe Service

Contains the Amazon S3 location of the training data you want to use to create a new custom language model, and permissions to access this location.

When using `InputDataConfig`, you must include these sub-parameters: `S3Uri` and `DataAccessRoleArn`. You can optionally include `TuningDataS3Uri`.

Contents

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files. If the role that you specify doesn't have the appropriate permissions to access the specified Amazon S3 location, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: Yes

S3Uri

The Amazon S3 location (URI) of the text files you want to use to train your custom language model.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-model-training-data/`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: Yes

TuningDataS3Uri

The Amazon S3 location (URI) of the text files you want to use to tune your custom language model.

Here's an example URI path: `s3://DOC-EXAMPLE-BUCKET/my-model-tuning-data/`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InterruptionFilter

Service: Amazon Transcribe Service

Flag the presence or absence of interruptions in your Call Analytics transcription output.

Rules using `InterruptionFilter` are designed to match:

- Instances where an agent interrupts a customer
- Instances where a customer interrupts an agent
- Either participant interrupting the other
- A lack of interruptions

See Rule criteria for post-call categories for usage examples.

Contents

AbsoluteTimeRange

Makes it possible to specify a time range (in milliseconds) in your audio, during which you want to search for an interruption. See AbsoluteTimeRange for more detail.

Type: AbsoluteTimeRange object

Required: No

Negate

Set to `TRUE` to flag speech that does not contain interruptions. Set to `FALSE` to flag speech that contains interruptions.

Type: Boolean

Required: No

ParticipantRole

Specify the interrupter that you want to flag. Omitting this parameter is equivalent to specifying both participants.

Type: String

Valid Values: `AGENT | CUSTOMER`

Required: No

RelativeTimeRange

Makes it possible to specify a time range (in percentage) in your media file, during which you want to search for an interruption. See RelativeTimeRange for more detail.

Type: RelativeTimeRange object

Required: No

Threshold

Specify the duration of the interruptions in milliseconds. For example, you can flag speech that contains more than 10,000 milliseconds of interruptions.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 14400000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobExecutionSettings

Service: Amazon Transcribe Service

Makes it possible to control how your transcription job is processed. Currently, the only `JobExecutionSettings` modification you can choose is enabling job queueing using the `AllowDeferredExecution` sub-parameter.

If you include `JobExecutionSettings` in your request, you must also include the sub-parameters: `AllowDeferredExecution` and `DataAccessRoleArn`.

Contents

AllowDeferredExecution

Makes it possible to enable job queuing when your concurrent request limit is exceeded. When `AllowDeferredExecution` is set to `true`, transcription job requests are placed in a queue until the number of jobs falls below the concurrent request limit. If `AllowDeferredExecution` is set to `false` and the number of transcription job requests exceed the concurrent request limit, you get a `LimitExceededException` error.

If you include `AllowDeferredExecution` in your request, you must also include `DataAccessRoleArn`.

Type: Boolean

Required: No

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files. If the role that you specify doesn't have the appropriate permissions to access the specified Amazon S3 location, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`. For more information, see IAM ARNs.

Note that if you include `DataAccessRoleArn` in your request, you must also include `AllowDeferredExecution`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LanguageCodeItem

Service: Amazon Transcribe Service

Provides information on the speech contained in a discreet utterance when multi-language identification is enabled in your request. This utterance represents a block of speech consisting of one language, preceded or followed by a block of speech in a different language.

Contents

DurationInSeconds

Provides the total time, in seconds, each identified language is spoken in your media.

Type: Float

Required: No

LanguageCode

Provides the language code for each language identified in your media.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LanguageIdSettings

Service: Amazon Transcribe Service

If using automatic language identification in your request and you want to apply a custom language model, a custom vocabulary, or a custom vocabulary filter, include `LanguageIdSettings` with the relevant sub-parameters (`VocabularyName`, `LanguageModelName`, and `VocabularyFilterName`). Note that multi-language identification (`IdentifyMultipleLanguages`) doesn't support custom language models.

`LanguageIdSettings` supports two to five language codes. Each language code you include can have an associated custom language model, custom vocabulary, and custom vocabulary filter. The language codes that you specify must match the languages of the associated custom language models, custom vocabularies, and custom vocabulary filters.

It's recommended that you include `LanguageOptions` when using `LanguageIdSettings` to ensure that the correct language dialect is identified. For example, if you specify a custom vocabulary that is in `en-US` but Amazon Transcribe determines that the language spoken in your media is `en-AU`, your custom vocabulary *is not* applied to your transcription. If you include `LanguageOptions` and include `en-US` as the only English language dialect, your custom vocabulary *is* applied to your transcription.

If you want to include a custom language model with your request but **do not** want to use automatic language identification, use instead the `ModelSettings` parameter with the `LanguageModelName` sub-parameter. If you want to include a custom vocabulary or a custom vocabulary filter (or both) with your request but **do not** want to use automatic language identification, use instead the `Settings` parameter with the `VocabularyName` or `VocabularyFilterName` (or both) sub-parameter.

Contents

LanguageModelName

The name of the custom language model you want to use when processing your transcription job. Note that custom language model names are case sensitive.

The language of the specified custom language model must match the language code that you specify in your transcription request. If the languages do not match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

VocabularyFilterName

The name of the custom vocabulary filter you want to use when processing your transcription job. Custom vocabulary filter names are case sensitive.

The language of the specified custom vocabulary filter must match the language code that you specify in your transcription request. If the languages do not match, the custom vocabulary filter isn't applied. There are no errors or warnings associated with a language mismatch.

Note that if you include `VocabularyFilterName` in your request, you must also include `VocabularyFilterMethod`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

VocabularyName

The name of the custom vocabulary you want to use when processing your transcription job. Custom vocabulary names are case sensitive.

The language of the specified custom vocabulary must match the language code that you specify in your transcription request. If the languages do not match, the custom vocabulary isn't applied. There are no errors or warnings associated with a language mismatch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LanguageModel

Service: Amazon Transcribe Service

Provides information about a custom language model, including:

- The base model name
- When the model was created
- The location of the files used to train the model
- When the model was last modified
- The name you chose for the model
- The model's language
- The model's processing state
- Any available upgrades for the base model

Contents

BaseModelName

The Amazon Transcribe standard language model, or base model, used to create your custom language model.

Type: String

Valid Values: `NarrowBand | WideBand`

Required: No

CreateTime

The date and time the specified custom language model was created.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

EncryptionConfiguration

The encryption configuration used for your custom language model.

Type: EncryptionConfiguration object

Required: No

FailureReason

If `ModelStatus` is `FAILED`, `FailureReason` contains information about why the custom language model request failed. See also: Common Errors.

Type: String

Required: No

InputDataConfig

The Amazon S3 location of the input files used to train and tune your custom language model, in addition to the data access role ARN (Amazon Resource Name) that has permissions to access these data.

Type: InputDataConfig object

Required: No

LanguageCode

The language code used to create your custom language model. Each custom language model must contain terms in only one language, and the language you select for your custom language model must match the language of your training and tuning data.

For a list of supported languages and their associated language codes, refer to the Supported languages table. Note that US English (`en-US`) is the only language supported with Amazon Transcribe Medical.

Type: String

Valid Values: `en-US | hi-IN | es-US | en-GB | en-AU | de-DE | ja-JP`

Required: No

LastModifiedTime

The date and time the specified custom language model was last modified.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

ModelName

A unique name, chosen by you, for your custom language model.

This name is case sensitive, cannot contain spaces, and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

ModelStatus

The status of the specified custom language model. When the status displays as `COMPLETED` the model is ready for use.

Type: String

Valid Values: `IN_PROGRESS | FAILED | COMPLETED`

Required: No

UpgradeAvailability

Shows if a more current base model is available for use with the specified custom language model.

If `false`, your custom language model is using the most up-to-date base model.

If `true`, there is a newer base model available than the one your language model is using.

Note that to update a base model, you must recreate the custom language model using the new base model. Base model upgrades for existing custom language models are not supported.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Media

Service: Amazon Transcribe Service

Describes the Amazon S3 location of the media file you want to use in your request.

For information on supported media formats, refer to the `MediaFormat` parameter or the Media formats section in the Amazon S3 Developer Guide.

Contents

MediaFileUri

The Amazon S3 location of the media file you want to transcribe. For example:

- `s3://DOC-EXAMPLE-BUCKET/my-media-file.flac`
- `s3://DOC-EXAMPLE-BUCKET/media-files/my-media-file.flac`

Note that the Amazon S3 bucket that contains your input media must be located in the same AWS Region where you're making your transcription request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

RedactedMediaFileUri

The Amazon S3 location of the media file you want to redact. For example:

- `s3://DOC-EXAMPLE-BUCKET/my-media-file.flac`
- `s3://DOC-EXAMPLE-BUCKET/media-files/my-media-file.flac`

Note that the Amazon S3 bucket that contains your input media must be located in the same AWS Region where you're making your transcription request.

> **Important**
>
> `RedactedMediaFileUri` produces a redacted audio file in addition to a redacted transcript. It is only supported for Call Analytics (`StartCallAnalyticsJob`) transcription requests.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeChannelDefinition

Service: Amazon Transcribe Service

Indicates which speaker is on which channel. The options are `CLINICIAN` and `PATIENT`

Contents

ChannelId

Specify the audio channel you want to define.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: Yes

ParticipantRole

Specify the participant that you want to flag. The options are `CLINICIAN` and `PATIENT`

Type: String

Valid Values: `PATIENT | CLINICIAN`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeContext

Service: Amazon Transcribe Service

The `MedicalScribeContext` object that contains contextual information used to generate customized clinical notes.

Contents

PatientContext

Contains patient-specific information.

Type: MedicalScribePatientContext object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeJob

Service: Amazon Transcribe Service

Provides detailed information about a Medical Scribe job.

To view the status of the specified Medical Scribe job, check the `MedicalScribeJobStatus` field. If the status is `COMPLETED`, the job is finished and you can find the results at the locations specified in `MedicalScribeOutput`. If the status is `FAILED`, `FailureReason` provides details on why your Medical Scribe job failed.

Contents

ChannelDefinitions

Makes it possible to specify which speaker is on which channel. For example, if the clinician is the first participant to speak, you would set `ChannelId` of the first `ChannelDefinition` in the list to `0` (to indicate the first channel) and `ParticipantRole` to `CLINICIAN` (to indicate that it's the clinician speaking). Then you would set the `ChannelId` of the second `ChannelDefinition` in the list to `1` (to indicate the second channel) and `ParticipantRole` to `PATIENT` (to indicate that it's the patient speaking).

Type: Array of MedicalScribeChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

CompletionTime

The date and time the specified Medical Scribe job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a Medical Scribe job that finished processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

CreationTime

The date and time the specified Medical Scribe job request was made.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents a Medical Scribe job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files, write to the output bucket, and use your AWS KMS key if supplied. If the role that you specify doesn't have the appropriate permissions your request fails.

IAM role ARNs have the format arn:partition:iam::account:role/role-name-with-path. For example: arn:aws:iam::111122223333:role/Admin.

For more information, see IAM ARNs.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$

Required: No

FailureReason

If MedicalScribeJobStatus is FAILED, FailureReason contains information about why the transcription job failed. See also: Common Errors.

Type: String

Required: No

LanguageCode

The language code used to create your Medical Scribe job. US English (en-US) is the only supported language for Medical Scribe jobs.

Type: String

Valid Values: en-US

Required: No

Media

Describes the Amazon S3 location of the media file you want to use in your request.

For information on supported media formats, refer to the MediaFormat parameter or the Media formats section in the Amazon S3 Developer Guide.

Type: Media object

Required: No

MedicalScribeContextProvided

Indicates whether the MedicalScribeContext object was provided when the Medical Scribe job was started.

Type: Boolean

Required: No

MedicalScribeJobName

The name of the Medical Scribe job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

MedicalScribeJobStatus

Provides the status of the specified Medical Scribe job.

If the status is COMPLETED, the job is finished and you can find the results at the location specified in MedicalScribeOutput If the status is FAILED, FailureReason provides details on why your Medical Scribe job failed.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

MedicalScribeOutput

The location of the output of your Medical Scribe job. `ClinicalDocumentUri` holds the Amazon S3 URI for the Clinical Document and `TranscriptFileUri` holds the Amazon S3 URI for the Transcript.

Type: MedicalScribeOutput object

Required: No

Settings

Makes it possible to control how your Medical Scribe job is processed using a `MedicalScribeSettings` object. Specify `ChannelIdentification` if `ChannelDefinitions` are set. Enabled `ShowSpeakerLabels` if `ChannelIdentification` and `ChannelDefinitions` are not set. One and only one of `ChannelIdentification` and `ShowSpeakerLabels` must be set. If `ShowSpeakerLabels` is set, `MaxSpeakerLabels` must also be set. Use `Settings` to specify a vocabulary or vocabulary filter or both using `VocabularyName`, `VocabularyFilterName`. `VocabularyFilterMethod` must be specified if `VocabularyFilterName` is set.

Type: MedicalScribeSettings object

Required: No

StartTime

The date and time your Medical Scribe job began processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.789000-07:00` represents a Medical Scribe job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

Tags

Adds one or more custom tags, each in the form of a key:value pair, to the Medical Scribe job.

To learn more about using tags with Amazon Transcribe, refer to Tagging resources.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeJobSummary

Service: Amazon Transcribe Service

Provides detailed information about a specific Medical Scribe job.

Contents

CompletionTime

The date and time the specified Medical Scribe job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a Medical Scribe job that finished processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

CreationTime

The date and time the specified Medical Scribe job request was made.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a Medical Scribe job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

FailureReason

If `MedicalScribeJobStatus` is `FAILED`, `FailureReason` contains information about why the transcription job failed. See also: Common Errors.

Type: String

Required: No

LanguageCode

The language code used to create your Medical Scribe job. US English (`en-US`) is the only supported language for Medical Scribe jobs.

Type: String

Valid Values: en-US

Required: No

MedicalScribeJobName

The name of the Medical Scribe job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

MedicalScribeJobStatus

Provides the status of the specified Medical Scribe job.

If the status is COMPLETED, the job is finished and you can find the results at the location specified in MedicalScribeOutput If the status is FAILED, FailureReason provides details on why your Medical Scribe job failed.

Type: String

Valid Values: QUEUED | IN_PROGRESS | FAILED | COMPLETED

Required: No

StartTime

The date and time your Medical Scribe job began processing.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.789000-07:00 represents a Medical Scribe job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeOutput

Service: Amazon Transcribe Service

The location of the output of your Medical Scribe job. `ClinicalDocumentUri` holds the Amazon S3 URI for the Clinical Document and `TranscriptFileUri` holds the Amazon S3 URI for the Transcript.

Contents

ClinicalDocumentUri

Holds the Amazon S3 URI for the Clinical Document.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: Yes

TranscriptFileUri

Holds the Amazon S3 URI for the Transcript.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribePatientContext

Service: Amazon Transcribe Service

Contains patient-specific information used to customize the clinical note generation.

Contents

Pronouns

The patient's preferred pronouns that the user wants to provide as a context for clinical note generation.

Type: String

Valid Values: `HE_HIM | SHE_HER | THEY_THEM`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeSettings

Service: Amazon Transcribe Service

Makes it possible to control how your Medical Scribe job is processed using a `MedicalScribeSettings` object. Specify `ChannelIdentification` if `ChannelDefinitions` are set. Enabled `ShowSpeakerLabels` if `ChannelIdentification` and `ChannelDefinitions` are not set. One and only one of `ChannelIdentification` and `ShowSpeakerLabels` must be set. If `ShowSpeakerLabels` is set, `MaxSpeakerLabels` must also be set. Use `Settings` to specify a vocabulary or vocabulary filter or both using `VocabularyName`, `VocabularyFilterName`. `VocabularyFilterMethod` must be specified if `VocabularyFilterName` is set.

Contents

ChannelIdentification

Enables channel identification in multi-channel audio.

Channel identification transcribes the audio on each channel independently, then appends the output for each channel into one transcript.

For more information, see Transcribing multi-channel audio.

Type: Boolean

Required: No

ClinicalNoteGenerationSettings

Specify settings for the clinical note generation.

Type: ClinicalNoteGenerationSettings object

Required: No

MaxSpeakerLabels

Specify the maximum number of speakers you want to partition in your media.

Note that if your media contains more speakers than the specified number, multiple speakers are treated as a single speaker.

If you specify the `MaxSpeakerLabels` field, you must set the `ShowSpeakerLabels` field to true.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 30.

Required: No

ShowSpeakerLabels

Enables speaker partitioning (diarization) in your Medical Scribe output. Speaker partitioning labels the speech from individual speakers in your media file.

If you enable `ShowSpeakerLabels` in your request, you must also include `MaxSpeakerLabels`.

For more information, see Partitioning speakers (diarization).

Type: Boolean

Required: No

VocabularyFilterMethod

Specify how you want your custom vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

The name of the custom vocabulary filter you want to include in your Medical Scribe request. Custom vocabulary filter names are case sensitive.

Note that if you include `VocabularyFilterName` in your request, you must also include `VocabularyFilterMethod`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyName

The name of the custom vocabulary you want to include in your Medical Scribe request. Custom vocabulary names are case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscript

Service: Amazon Transcribe Service

Provides you with the Amazon S3 URI you can use to access your transcript.

Contents

TranscriptFileUri

The Amazon S3 location of your transcript. You can use this URI to access or download your transcript.

Note that this is the Amazon S3 location you specified in your request using the `OutputBucketName` parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscriptionJob

Service: Amazon Transcribe Service

Provides detailed information about a medical transcription job.

To view the status of the specified medical transcription job, check the `TranscriptionJobStatus` field. If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

Contents

CompletionTime

The date and time the specified medical transcription job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:33:13.922000-07:00` represents a transcription job that started processing at 12:33 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

ContentIdentificationType

Indicates whether content identification was enabled for your transcription request.

Type: String

Valid Values: `PHI`

Required: No

CreationTime

The date and time the specified medical transcription job request was made.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

FailureReason

If `TranscriptionJobStatus` is `FAILED`, `FailureReason` contains information about why the transcription job request failed.

The `FailureReason` field contains one of the following values:

- `Unsupported media format`.

  The media format specified in `MediaFormat` isn't valid. Refer to refer to the `MediaFormat` parameter for a list of supported formats.
- `The media format provided does not match the detected media format`.

  The media format specified in `MediaFormat` doesn't match the format of the input file. Check the media format of your media file and correct the specified value.
- `Invalid sample rate for audio file`.

  The sample rate specified in `MediaSampleRateHertz` isn't valid. The sample rate must be between 16,000 and 48,000 hertz.
- `The sample rate provided does not match the detected sample rate`.

  The sample rate specified in `MediaSampleRateHertz` doesn't match the sample rate detected in your input media file. Check the sample rate of your media file and correct the specified value.
- `Invalid file size: file size too large`.

  The size of your media file is larger than what Amazon Transcribe can process. For more information, refer to Service quotas.
- `Invalid number of channels: number of channels too large`.

  Your audio contains more channels than Amazon Transcribe is able to process. For more information, refer to Service quotas.

Type: String

Required: No

LanguageCode

The language code used to create your medical transcription job. US English (`en-US`) is the only supported language for medical transcriptions.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

Media

Describes the Amazon S3 location of the media file you want to use in your request.

For information on supported media formats, refer to the MediaFormat parameter or the Media formats section in the Amazon S3 Developer Guide.

Type: Media object

Required: No

MediaFormat

The format of the input media file.

Type: String

Valid Values: mp3 | mp4 | wav | flac | ogg | amr | webm | m4a

Required: No

MediaSampleRateHertz

The sample rate, in hertz, of the audio track in your input media file.

Type: Integer

Valid Range: Minimum value of 16000. Maximum value of 48000.

Required: No

MedicalTranscriptionJobName

The name of the medical transcription job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

Settings

Provides information on any additional settings that were included in your request. Additional settings include channel identification, alternative transcriptions, speaker partitioning, custom vocabularies, and custom vocabulary filters.

Type: MedicalTranscriptionSetting object

Required: No

Specialty

Describes the medical specialty represented in your media.

Type: String

Valid Values: `PRIMARYCARE`

Required: No

StartTime

The date and time the specified medical transcription job began processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.789000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

Tags

The tags, each in the form of a key:value pair, assigned to the specified medical transcription job.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Transcript

Provides you with the Amazon S3 URI you can use to access your transcript.

Type: MedicalTranscript object

Required: No

TranscriptionJobStatus

Provides the status of the specified medical transcription job.

If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

Type

Indicates whether the input media is a dictation or a conversation, as specified in the `StartMedicalTranscriptionJob` request.

Type: String

Valid Values: `CONVERSATION | DICTATION`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscriptionJobSummary

Service: Amazon Transcribe Service

Provides detailed information about a specific medical transcription job.

Contents

CompletionTime

The date and time the specified medical transcription job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:33:13.922000-07:00` represents a transcription job that started processing at 12:33 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

ContentIdentificationType

Labels all personal health information (PHI) identified in your transcript. For more information, see Identifying personal health information (PHI) in a transcription.

Type: String

Valid Values: `PHI`

Required: No

CreationTime

The date and time the specified medical transcription job request was made.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

FailureReason

If `TranscriptionJobStatus` is `FAILED`, `FailureReason` contains information about why the transcription job failed. See also: Common Errors.

Type: String

Required: No

LanguageCode

The language code used to create your medical transcription. US English (`en-US`) is the only supported language for medical transcriptions.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA`

Required: No

MedicalTranscriptionJobName

The name of the medical transcription job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

OutputLocationType

Indicates where the specified medical transcription output is stored.

If the value is CUSTOMER_BUCKET, the location is the Amazon S3 bucket you specified using the OutputBucketName parameter in your StartMedicalTranscriptionJob request. If you also included OutputKey in your request, your output is located in the path you specified in your request.

If the value is SERVICE_BUCKET, the location is a service-managed Amazon S3 bucket. To access a transcript stored in a service-managed bucket, use the URI shown in the TranscriptFileUri field.

Type: String

Valid Values: CUSTOMER_BUCKET | SERVICE_BUCKET

Required: No

Specialty

Provides the medical specialty represented in your media.

Type: String

Valid Values: PRIMARYCARE

Required: No

StartTime

The date and time your medical transcription job began processing.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.789000-07:00 represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

TranscriptionJobStatus

Provides the status of your medical transcription job.

If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

Type

Indicates whether the input media is a dictation or a conversation, as specified in the `StartMedicalTranscriptionJob` request.

Type: String

Valid Values: `CONVERSATION | DICTATION`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscriptionSetting

Service: Amazon Transcribe Service

Allows additional optional settings in your StartMedicalTranscriptionJob request, including channel identification, alternative transcriptions, and speaker partitioning. You can use that to apply custom vocabularies to your medical transcription job.

Contents

ChannelIdentification

Enables channel identification in multi-channel audio.

Channel identification transcribes the audio on each channel independently, then appends the output for each channel into one transcript.

If you have multi-channel audio and do not enable channel identification, your audio is transcribed in a continuous manner and your transcript does not separate the speech by channel.

For more information, see Transcribing multi-channel audio.

Type: Boolean

Required: No

MaxAlternatives

Indicate the maximum number of alternative transcriptions you want Amazon Transcribe Medical to include in your transcript.

If you select a number greater than the number of alternative transcriptions generated by Amazon Transcribe Medical, only the actual number of alternative transcriptions are included.

If you include `MaxAlternatives` in your request, you must also include `ShowAlternatives` with a value of `true`.

For more information, see Alternative transcriptions.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 10.

Required: No

MaxSpeakerLabels

Specify the maximum number of speakers you want to partition in your media.

Note that if your media contains more speakers than the specified number, multiple speakers are treated as a single speaker.

If you specify the `MaxSpeakerLabels` field, you must set the `ShowSpeakerLabels` field to true.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 30.

Required: No

ShowAlternatives

To include alternative transcriptions within your transcription output, include `ShowAlternatives` in your transcription request.

If you include `ShowAlternatives`, you must also include `MaxAlternatives`, which is the maximum number of alternative transcriptions you want Amazon Transcribe Medical to generate.

For more information, see Alternative transcriptions.

Type: Boolean

Required: No

ShowSpeakerLabels

Enables speaker partitioning (diarization) in your transcription output. Speaker partitioning labels the speech from individual speakers in your media file.

If you enable `ShowSpeakerLabels` in your request, you must also include `MaxSpeakerLabels`.

For more information, see Partitioning speakers (diarization).

Type: Boolean

Required: No

VocabularyName

The name of the custom vocabulary you want to use when processing your medical transcription job. Custom vocabulary names are case sensitive.

The language of the specified custom vocabulary must match the language code that you specify in your transcription request. If the languages do not match, the custom vocabulary isn't applied. There are no errors or warnings associated with a language mismatch. US English (en-US) is the only valid language for Amazon Transcribe Medical.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ModelSettings

Service: Amazon Transcribe Service

Provides the name of the custom language model that was included in the specified transcription job.

Only use `ModelSettings` with the `LanguageModelName` sub-parameter if you're **not** using automatic language identification (`LanguageIdSettings`). If using `LanguageIdSettings` in your request, this parameter contains a `LanguageModelName` sub-parameter.

Contents

LanguageModelName

The name of the custom language model you want to use when processing your transcription job. Note that custom language model names are case sensitive.

The language of the specified custom language model must match the language code that you specify in your transcription request. If the languages do not match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

NonTalkTimeFilter

Service: Amazon Transcribe Service

Flag the presence or absence of periods of silence in your Call Analytics transcription output.

Rules using `NonTalkTimeFilter` are designed to match:

- The presence of silence at specified periods throughout the call
- The presence of speech at specified periods throughout the call

See Rule criteria for post-call categories for usage examples.

Contents

AbsoluteTimeRange

Makes it possible to specify a time range (in milliseconds) in your audio, during which you want to search for a period of silence. See AbsoluteTimeRange for more detail.

Type: AbsoluteTimeRange object

Required: No

Negate

Set to `TRUE` to flag periods of speech. Set to `FALSE` to flag periods of silence

Type: Boolean

Required: No

RelativeTimeRange

Makes it possible to specify a time range (in percentage) in your media file, during which you want to search for a period of silence. See RelativeTimeRange for more detail.

Type: RelativeTimeRange object

Required: No

Threshold

Specify the duration, in milliseconds, of the period of silence that you want to flag. For example, you can flag a silent period that lasts 30,000 milliseconds.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 14400000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RelativeTimeRange

Service: Amazon Transcribe Service

A time range, in percentage, between two points in your media file.

You can use `StartPercentage` and `EndPercentage` to search a custom segment. For example, setting `StartPercentage` to 10 and `EndPercentage` to 50 only searches for your specified criteria in the audio contained between the 10 percent mark and the 50 percent mark of your media file.

You can use also `First` to search from the start of the media file until the time that you specify. Or use `Last` to search from the time that you specify until the end of the media file. For example, setting `First` to 10 only searches for your specified criteria in the audio contained in the first 10 percent of the media file.

If you prefer to use milliseconds instead of percentage, see AbsoluteTimeRange.

Contents

EndPercentage

The time, in percentage, when Amazon Transcribe stops searching for the specified criteria in your media file. If you include `EndPercentage` in your request, you must also include `StartPercentage`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

First

The time, in percentage, from the start of your media file until the specified value. Amazon Transcribe searches for your specified criteria in this time segment.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

Last

The time, in percentage, from the specified value until the end of your media file. Amazon Transcribe searches for your specified criteria in this time segment.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

StartPercentage

The time, in percentage, when Amazon Transcribe starts searching for the specified criteria in your media file. If you include `StartPercentage` in your request, you must also include `EndPercentage`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Rule

Service: Amazon Transcribe Service

A rule is a set of criteria that you can specify to flag an attribute in your Call Analytics output. Rules define a Call Analytics category.

Rules can include these parameters: InterruptionFilter, NonTalkTimeFilter, SentimentFilter, and TranscriptFilter.

To learn more about Call Analytics rules and categories, see Creating categories for post-call transcriptions and Creating categories for real-time transcriptions.

To learn more about Call Analytics, see Analyzing call center audio with Call Analytics.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

InterruptionFilter

Flag the presence or absence of interruptions in your Call Analytics transcription output. Refer to InterruptionFilter for more detail.

Type: InterruptionFilter object

Required: No

NonTalkTimeFilter

Flag the presence or absence of periods of silence in your Call Analytics transcription output. Refer to NonTalkTimeFilter for more detail.

Type: NonTalkTimeFilter object

Required: No

SentimentFilter

Flag the presence or absence of specific sentiments in your Call Analytics transcription output. Refer to SentimentFilter for more detail.

Type: SentimentFilter object

Required: No

TranscriptFilter

Flag the presence or absence of specific words or phrases in your Call Analytics transcription output. Refer to TranscriptFilter for more detail.

Type: TranscriptFilter object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SentimentFilter

Service: Amazon Transcribe Service

Flag the presence or absence of specific sentiments detected in your Call Analytics transcription output.

Rules using `SentimentFilter` are designed to match:

- The presence or absence of a positive sentiment felt by the customer, agent, or both at specified points in the call
- The presence or absence of a negative sentiment felt by the customer, agent, or both at specified points in the call
- The presence or absence of a neutral sentiment felt by the customer, agent, or both at specified points in the call
- The presence or absence of a mixed sentiment felt by the customer, the agent, or both at specified points in the call

See Rule criteria for post-call categories for usage examples.

Contents

Sentiments

Specify the sentiments that you want to flag.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `POSITIVE | NEGATIVE | NEUTRAL | MIXED`

Required: Yes

AbsoluteTimeRange

Makes it possible to specify a time range (in milliseconds) in your audio, during which you want to search for the specified sentiments. See AbsoluteTimeRange for more detail.

Type: AbsoluteTimeRange object

Required: No

Negate

Set to TRUE to flag the sentiments that you didn't include in your request. Set to FALSE to flag the sentiments that you specified in your request.

Type: Boolean

Required: No

ParticipantRole

Specify the participant that you want to flag. Omitting this parameter is equivalent to specifying both participants.

Type: String

Valid Values: AGENT | CUSTOMER

Required: No

RelativeTimeRange

Makes it possible to specify a time range (in percentage) in your media file, during which you want to search for the specified sentiments. See RelativeTimeRange for more detail.

Type: RelativeTimeRange object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Settings

Service: Amazon Transcribe Service

Allows additional optional settings in your StartTranscriptionJob request, including channel identification, alternative transcriptions, and speaker partitioning. You can use that to apply custom vocabularies to your transcription job.

Contents

ChannelIdentification

Enables channel identification in multi-channel audio.

Channel identification transcribes the audio on each channel independently, then appends the output for each channel into one transcript.

For more information, see Transcribing multi-channel audio.

Type: Boolean

Required: No

MaxAlternatives

Indicate the maximum number of alternative transcriptions you want Amazon Transcribe to include in your transcript.

If you select a number greater than the number of alternative transcriptions generated by Amazon Transcribe, only the actual number of alternative transcriptions are included.

If you include `MaxAlternatives` in your request, you must also include ShowAlternatives with a value of `true`.

For more information, see Alternative transcriptions.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 10.

Required: No

MaxSpeakerLabels

Specify the maximum number of speakers you want to partition in your media.

Note that if your media contains more speakers than the specified number, multiple speakers are treated as a single speaker.

If you specify the `MaxSpeakerLabels` field, you must set the `ShowSpeakerLabels` field to true.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 30.

Required: No

ShowAlternatives

To include alternative transcriptions within your transcription output, include `ShowAlternatives` in your transcription request.

If you have multi-channel audio and do not enable channel identification, your audio is transcribed in a continuous manner and your transcript does not separate the speech by channel.

If you include `ShowAlternatives`, you must also include `MaxAlternatives`, which is the maximum number of alternative transcriptions you want Amazon Transcribe to generate.

For more information, see Alternative transcriptions.

Type: Boolean

Required: No

ShowSpeakerLabels

Enables speaker partitioning (diarization) in your transcription output. Speaker partitioning labels the speech from individual speakers in your media file.

If you enable `ShowSpeakerLabels` in your request, you must also include `MaxSpeakerLabels`.

For more information, see Partitioning speakers (diarization).

Type: Boolean

Required: No

VocabularyFilterMethod

Specify how you want your custom vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

The name of the custom vocabulary filter you want to use in your transcription job request. This name is case sensitive, cannot contain spaces, and must be unique within an AWS account.

Note that if you include `VocabularyFilterName` in your request, you must also include `VocabularyFilterMethod`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyName

The name of the custom vocabulary you want to use in your transcription job request. This name is case sensitive, cannot contain spaces, and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Subtitles

Service: Amazon Transcribe Service

Generate subtitles for your media file with your transcription request.

You can choose a start index of 0 or 1, and you can specify either WebVTT or SubRip (or both) as your output format.

Note that your subtitle files are placed in the same location as your transcription output.

Contents

Formats

Specify the output format for your subtitle file; if you select both WebVTT (`vtt`) and SubRip (`srt`) formats, two output files are generated.

Type: Array of strings

Valid Values: `vtt | srt`

Required: No

OutputStartIndex

Specify the starting value that is assigned to the first subtitle segment.

The default start index for Amazon Transcribe is `0`, which differs from the more widely used standard of 1. If you're uncertain which value to use, we recommend choosing 1, as this may improve compatibility with other services.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SubtitlesOutput

Service: Amazon Transcribe Service

Provides information about your subtitle file, including format, start index, and Amazon S3 location.

Contents

Formats

Provides the format of your subtitle files. If your request included both WebVTT (`vtt`) and SubRip (`srt`) formats, both formats are shown.

Type: Array of strings

Valid Values: `vtt | srt`

Required: No

OutputStartIndex

Provides the start index value for your subtitle files. If you did not specify a value in your request, the default value of `0` is used.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

SubtitleFileUris

The Amazon S3 location of your transcript. You can use this URI to access or download your subtitle file. Your subtitle file is stored in the same location as your transcript. If you specified both WebVTT and SubRip subtitle formats, two URIs are provided.

If you included `OutputBucketName` in your transcription job request, this is the URI of that bucket. If you also included `OutputKey` in your request, your output is located in the path you specified in your request.

If you didn't include `OutputBucketName` in your transcription job request, your subtitle file is stored in a service-managed bucket, and `TranscriptFileUri` provides you with a temporary URI you can use for secure access to your subtitle file.

> **Note**
>
> Temporary URIs for service-managed Amazon S3 buckets are only valid for 15 minutes. If you get an `AccesDenied` error, you can get a new temporary URI by running a `GetTranscriptionJob` or `ListTranscriptionJob` request.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Summarization

Service: Amazon Transcribe Service

Contains `GenerateAbstractiveSummary`, which is a required parameter if you want to enable Generative call summarization in your Call Analytics request.

Contents

GenerateAbstractiveSummary

Enables Generative call summarization in your Call Analytics request

Generative call summarization provides a summary of the transcript including important components discussed in the conversation.

For more information, see Enabling generative call summarization.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncItem

Service: Amazon Transcribe Service

A word or punctuation mark in your transcript. Labels such as `SpeakerLabel` and `ChannelLabel` are present only if you enabled the related feature.

Contents

ChannelLabel

The audio channel this item came from (`ch_0` or `ch_1`). Present if you enabled `ChannelIdentification`.

Item start and end times are measured from the start of the audio, separately for each channel.

Type: String

Required: No

Content

The word or punctuation mark. In `RedactedResults`, Amazon Transcribe replaces redacted words with `[PII]`.

Type: String

Required: No

EndTime

The time, in seconds from the start of your audio, when this item ends.

Type: Double

Required: No

Id

The position of this item in the transcript, starting at 0.

Type: Integer

Required: No

LanguageCode

The language of this item, as a locale (for example, `en-US`).

Type: String

Valid Values: `en-US | en-AB | en-AU | en-GB | en-IE | en-IN | en-WL | en-ZA | en-NZ | es-US | es-ES | es-MX | fr-FR | fr-CA | it-IT | de-DE | de-CH | ja-JP | pt-BR | pt-PT | zh-CN | zh-TW | zh-HK | ko-KR`

Required: No

Redactions

The types of personally identifiable information (PII) that Amazon Transcribe redacted from this item. Present only on redacted items in `RedactedResults`.

Type: Array of SyncRedaction objects

Required: No

SpeakerLabel

The speaker of this item (for example, `spk_0`). Present if you enabled `ShowSpeakerLabels`.

Type: String

Required: No

StartTime

The time, in seconds from the start of your audio, when this item starts.

Type: Double

Required: No

VocabularyFilterMatch

Indicates whether this item matched a word in your custom vocabulary filter. Present if you included `VocabularyFilterSettings`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncLanguageCodeItem

Service: Amazon Transcribe Service

A language identified in your audio, and how long it's spoken.

Contents

DurationInSeconds

The total time, in seconds, the identified language is spoken in your audio.

Type: Float

Required: No

LanguageCode

The identified language, as a locale (for example, `en-US`).

Type: String

Valid Values: `en-US | en-AB | en-AU | en-GB | en-IE | en-IN | en-WL | en-ZA | en-NZ | es-US | es-ES | es-MX | fr-FR | fr-CA | it-IT | de-DE | de-CH | ja-JP | pt-BR | pt-PT | zh-CN | zh-TW | zh-HK | ko-KR`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncMedia

Service: Amazon Transcribe Service

The audio to transcribe. Specify exactly one of `MediaBytes` or `MediaFileUri`.

Audio sent in the request (`MediaBytes`) can be up to 25 MB. Audio in Amazon S3 (`MediaFileUri`) can be up to 500 MB.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

MediaBytes

Your audio file, provided inline in the request. The maximum size is 25 MB (26,214,400 bytes) of audio, measured before base64 encoding.

If you use an AWS SDK, the SDK base64-encodes the bytes for you. If you call the API directly, base64-encode the bytes yourself.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 1. Maximum length of 26214400.

Required: No

MediaFileUri

The Amazon S3 location of the media file you want to transcribe. For example:

- `s3://amzn-s3-demo-bucket/my-media-file.flac`
- `s3://amzn-s3-demo-bucket/media-files/my-media-file.flac`

The maximum file size is 500 MB. You must have read permission for the file.

The Amazon S3 bucket that contains your input media must be located in the same AWS Region where you're making your transcription request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncOutputConfiguration

Service: Amazon Transcribe Service

The Amazon S3 location where your transcript is written.

Contents

OutputMediaFileUri

The Amazon S3 location where you want your transcript written. For example:

- `s3://amzn-s3-demo-bucket/my-transcript.json`
- `s3://amzn-s3-demo-bucket/transcripts/`

If the location ends with an object key, Amazon Transcribe writes the transcript to that key. If it is a bucket or ends with a forward slash (/), it's treated as a prefix, and Amazon Transcribe writes the transcript under it to a file named with the request ID of your call and a `.json` extension.

If you use `ContentRedaction`, Amazon Transcribe writes the redacted transcript to the same location and adds `redacted-` before the file name (for example, `redacted-my-transcript.json`). With `redacted_and_unredacted`, Amazon Transcribe writes both files.

If an object already exists at that key, Amazon Transcribe overwrites it.

In a response, this is the location where Amazon Transcribe wrote your transcript. If you requested `redacted_and_unredacted` output, this is the location of the unredacted transcript.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncRedaction

Service: Amazon Transcribe Service

A type of personally identifiable information (PII) redacted from an item.

Contents

Type

The type of PII that was redacted, for example NAME or SSN.

Type: String

Valid Values: BANK_ACCOUNT_NUMBER | BANK_ROUTING | CREDIT_DEBIT_NUMBER | CREDIT_DEBIT_CVV | CREDIT_DEBIT_EXPIRY | PIN | EMAIL | ADDRESS | NAME | PHONE | SSN | DATE_TIME | PASSPORT_NUMBER | DRIVER_ID | URL | AGE | USERNAME | PASSWORD | AWS_ACCESS_KEY | AWS_SECRET_KEY | IP_ADDRESS | MAC_ADDRESS | LICENSE_PLATE | VEHICLE_IDENTIFICATION_NUMBER | US_INDIVIDUAL_TAX_IDENTIFICATION_NUMBER | CA_HEALTH_NUMBER | CA_SOCIAL_INSURANCE_NUMBER | INTERNATIONAL_BANK_ACCOUNT_NUMBER | SWIFT_CODE | ALL

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: Amazon Transcribe Service

Adds metadata, in the form of a key:value pair, to the specified resource.

For example, you could add the tag `Department:Sales` to a resource to indicate that it pertains to your organization's sales department. You can also use tags for tag-based access control.

To learn more about tagging, see Tagging resources.

Contents

Key

The first part of a key:value pair that forms a tag associated with a given resource. For example, in the tag `Department:Sales`, the key is 'Department'.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

The second part of a key:value pair that forms a tag associated with a given resource. For example, in the tag `Department:Sales`, the value is 'Sales'.

Note that you can set the value of a tag to an empty string, but you can't set the value of a tag to null. Omitting the tag value is the same as using an empty string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ToxicityDetectionSettings

Service: Amazon Transcribe Service

Contains `ToxicityCategories`, which is a required parameter if you want to enable toxicity detection (`ToxicityDetection`) in your transcription request.

Contents

ToxicityCategories

If you include `ToxicityDetection` in your transcription request, you must also include `ToxicityCategories`. The only accepted value for this parameter is `ALL`.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `ALL`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscribeAudioMetadata

Service: Amazon Transcribe Service

Information about your audio.

Contents

LanguageCode

The language of your transcript, as a locale (for example, `en-US`). Present if you used `LanguageDetectionMode`.

Type: String

Valid Values: `en-US | en-AB | en-AU | en-GB | en-IE | en-IN | en-WL | en-ZA | en-NZ | es-US | es-ES | es-MX | fr-FR | fr-CA | it-IT | de-DE | de-CH | ja-JP | pt-BR | pt-PT | zh-CN | zh-TW | zh-HK | ko-KR`

Required: No

LanguageCodes

The language identified in your audio, and how long it's spoken. Present if you used `LanguageDetectionMode`.

Type: Array of SyncLanguageCodeItem objects

Required: No

MediaFormat

The format of your audio, as detected by Amazon Transcribe.

Type: String

Valid Values: `mp3 | mp4 | wav | flac | ogg | amr | webm | m4a`

Required: No

MediaSampleRateHertz

The sample rate of your audio, in hertz, as detected by Amazon Transcribe.

Type: Integer

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: No

NumberOfChannels

The number of audio channels in your media. Present if you enabled `ChannelIdentification`.

Type: Integer

Required: No

SpeakersCount

The number of speakers identified in your audio. Present if you enabled `ShowSpeakerLabels`.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscribeAudioResults

Service: Amazon Transcribe Service

A transcript of your audio.

Contents

Items

The words and punctuation in your transcript, with timing and any labels you requested.

Type: Array of SyncItem objects

Required: No

Transcript

The full text of your transcript.

If you enabled `ChannelIdentification`, the text of channel `ch_0` is followed by the text of channel `ch_1`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Transcript

Service: Amazon Transcribe Service

Provides you with the Amazon S3 URI you can use to access your transcript.

Contents

RedactedTranscriptFileUri

The Amazon S3 location of your redacted transcript. You can use this URI to access or download your transcript.

If you included `OutputBucketName` in your transcription job request, this is the URI of that bucket. If you also included `OutputKey` in your request, your output is located in the path you specified in your request.

If you didn't include `OutputBucketName` in your transcription job request, your transcript is stored in a service-managed bucket, and `RedactedTranscriptFileUri` provides you with a temporary URI you can use for secure access to your transcript.

> **Note**
>
> Temporary URIs for service-managed Amazon S3 buckets are only valid for 15 minutes. If you get an `AccesDenied` error, you can get a new temporary URI by running a `GetTranscriptionJob` or `ListTranscriptionJob` request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

TranscriptFileUri

The Amazon S3 location of your transcript. You can use this URI to access or download your transcript.

If you included `OutputBucketName` in your transcription job request, this is the URI of that bucket. If you also included `OutputKey` in your request, your output is located in the path you specified in your request.

If you didn't include `OutputBucketName` in your transcription job request, your transcript is stored in a service-managed bucket, and `TranscriptFileUri` provides you with a temporary URI you can use for secure access to your transcript.

> **Note**
>
> Temporary URIs for service-managed Amazon S3 buckets are only valid for 15 minutes. If you get an `AccesDenied` error, you can get a new temporary URI by running a `GetTranscriptionJob` or `ListTranscriptionJob` request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptFilter

Service: Amazon Transcribe Service

Flag the presence or absence of specific words or phrases detected in your Call Analytics transcription output.

Rules using `TranscriptFilter` are designed to match:

- Custom words or phrases spoken by the agent, the customer, or both
- Custom words or phrases **not** spoken by the agent, the customer, or either
- Custom words or phrases that occur at a specific time frame

See Rule criteria for post-call categories and Rule criteria for streaming categories for usage examples.

Contents

Targets

Specify the phrases that you want to flag.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `.*\S.*`

Required: Yes

TranscriptFilterType

Flag the presence or absence of an exact match to the phrases that you specify. For example, if you specify the phrase "speak to a manager" as your `Targets` value, only that exact phrase is flagged.

Note that semantic matching is not supported. For example, if your customer says "speak to *the* manager", instead of "speak to *a* manager", your content is not flagged.

Type: String

Valid Values: EXACT

Required: Yes

AbsoluteTimeRange

Makes it possible to specify a time range (in milliseconds) in your audio, during which you want to search for the specified key words or phrases. See AbsoluteTimeRange for more detail.

Type: AbsoluteTimeRange object

Required: No

Negate

Set to TRUE to flag the absence of the phrase that you specified in your request. Set to FALSE to flag the presence of the phrase that you specified in your request.

Type: Boolean

Required: No

ParticipantRole

Specify the participant that you want to flag. Omitting this parameter is equivalent to specifying both participants.

Type: String

Valid Values: AGENT | CUSTOMER

Required: No

RelativeTimeRange

Makes it possible to specify a time range (in percentage) in your media file, during which you want to search for the specified key words or phrases. See RelativeTimeRange for more detail.

Type: RelativeTimeRange object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptionJob

Service: Amazon Transcribe Service

Provides detailed information about a transcription job.

To view the status of the specified transcription job, check the `TranscriptionJobStatus` field. If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri`. If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

If you enabled content redaction, the redacted transcript can be found at the location specified in `RedactedTranscriptFileUri`.

Contents

CompletionTime

The date and time the specified transcription job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:33:13.922000-07:00` represents a transcription job that started processing at 12:33 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

ContentRedaction

Indicates whether redaction was enabled in your transcript.

Type: ContentRedaction object

Required: No

CreationTime

The date and time the specified transcription job request was made.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

FailureReason

If `TranscriptionJobStatus` is `FAILED`, `FailureReason` contains information about why the transcription job request failed.

The `FailureReason` field contains one of the following values:

- `Unsupported media format`.

  The media format specified in `MediaFormat` isn't valid. Refer to refer to the `MediaFormat` parameter for a list of supported formats.
- `The media format provided does not match the detected media format`.

  The media format specified in `MediaFormat` doesn't match the format of the input file. Check the media format of your media file and correct the specified value.
- `Invalid sample rate for audio file`.

  The sample rate specified in `MediaSampleRateHertz` isn't valid. The sample rate must be between 8,000 and 48,000 hertz.
- `The sample rate provided does not match the detected sample rate`.

  The sample rate specified in `MediaSampleRateHertz` doesn't match the sample rate detected in your input media file. Check the sample rate of your media file and correct the specified value.
- `Invalid file size: file size too large`.

  The size of your media file is larger than what Amazon Transcribe can process. For more information, refer to Service quotas.
- `Invalid number of channels: number of channels too large`.

  Your audio contains more channels than Amazon Transcribe is able to process. For more information, refer to Service quotas.

Type: String

Required: No

IdentifiedLanguageScore

The confidence score associated with the language identified in your media file.

Confidence scores are values between 0 and 1; a larger value indicates a higher probability that the identified language correctly matches the language spoken in your media.

Type: Float

Required: No

IdentifyLanguage

Indicates whether automatic language identification was enabled (TRUE) for the specified transcription job.

Type: Boolean

Required: No

IdentifyMultipleLanguages

Indicates whether automatic multi-language identification was enabled (TRUE) for the specified transcription job.

Type: Boolean

Required: No

JobExecutionSettings

Provides information about how your transcription job was processed. This parameter shows if your request was queued and what data access role was used.

Type: JobExecutionSettings object

Required: No

LanguageCode

The language code used to create your transcription job. This parameter is used with single-language identification. For multi-language identification requests, refer to the plural version of this parameter, `LanguageCodes`.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN`

| ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

LanguageCodes

The language codes used to create your transcription job. This parameter is used with multi-language identification. For single-language identification requests, refer to the singular version of this parameter, LanguageCode.

Type: Array of LanguageCodeItem objects

Required: No

LanguageIdSettings

Provides the name and language of all custom language models, custom vocabularies, and custom vocabulary filters that you included in your request.

Type: String to LanguageIdSettings object map

Map Entries: Maximum number of 5 items.

Valid Keys: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR

| hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

LanguageOptions

Provides the language codes you specified in your request.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

Media

Provides the Amazon S3 location of the media file you used in your request.

Type: Media object

Required: No

MediaFormat

The format of the input media file.

Type: String

Valid Values: `mp3 | mp4 | wav | flac | ogg | amr | webm | m4a`

Required: No

MediaSampleRateHertz

The sample rate, in hertz, of the audio track in your input media file.

Type: Integer

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: No

ModelSettings

Provides information on the custom language model you included in your request.

Type: ModelSettings object

Required: No

Settings

Provides information on any additional settings that were included in your request. Additional settings include channel identification, alternative transcriptions, speaker partitioning, custom vocabularies, and custom vocabulary filters.

Type: Settings object

Required: No

StartTime

The date and time the specified transcription job began processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.789000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

Subtitles

Indicates whether subtitles were generated with your transcription.

Type: SubtitlesOutput object

Required: No

Tags

The tags, each in the form of a key:value pair, assigned to the specified transcription job.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

ToxicityDetection

Provides information about the toxicity detection settings applied to your transcription.

Type: Array of ToxicityDetectionSettings objects

Array Members: Fixed number of 1 item.

Required: No

Transcript

Provides you with the Amazon S3 URI you can use to access your transcript.

Type: Transcript object

Required: No

TranscriptionJobName

The name of the transcription job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

TranscriptionJobStatus

Provides the status of the specified transcription job.

If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri` (or `RedactedTranscriptFileUri`, if you requested transcript redaction). If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptionJobSummary

Service: Amazon Transcribe Service

Provides detailed information about a specific transcription job.

Contents

CompletionTime

The date and time the specified transcription job finished processing.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:33:13.922000-07:00` represents a transcription job that started processing at 12:33 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

ContentRedaction

The content redaction settings of the transcription job.

Type: ContentRedaction object

Required: No

CreationTime

The date and time the specified transcription job request was made.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

FailureReason

If `TranscriptionJobStatus` is `FAILED`, `FailureReason` contains information about why the transcription job failed. See also: Common Errors.

Type: String

Required: No

IdentifiedLanguageScore

The confidence score associated with the language identified in your media file.

Confidence scores are values between 0 and 1; a larger value indicates a higher probability that the identified language correctly matches the language spoken in your media.

Type: Float

Required: No

IdentifyLanguage

Indicates whether automatic language identification was enabled (TRUE) for the specified transcription job.

Type: Boolean

Required: No

IdentifyMultipleLanguages

Indicates whether automatic multi-language identification was enabled (TRUE) for the specified transcription job.

Type: Boolean

Required: No

LanguageCode

The language code used to create your transcription.

Type: String

Valid Values: `af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW`

| th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

LanguageCodes

The language codes used to create your transcription job. This parameter is used with multi-language identification. For single-language identification, the singular version of this parameter, LanguageCode, is present.

Type: Array of LanguageCodeItem objects

Required: No

ModelSettings

Provides the name of the custom language model that was included in the specified transcription job.

Only use ModelSettings with the LanguageModelName sub-parameter if you're **not** using automatic language identification (LanguageIdSettings). If using LanguageIdSettings in your request, this parameter contains a LanguageModelName sub-parameter.

Type: ModelSettings object

Required: No

OutputLocationType

Indicates where the specified transcription output is stored.

If the value is CUSTOMER_BUCKET, the location is the Amazon S3 bucket you specified using the OutputBucketName parameter in your StartTranscriptionJob request. If you also included OutputKey in your request, your output is located in the path you specified in your request.

If the value is SERVICE_BUCKET, the location is a service-managed Amazon S3 bucket. To access a transcript stored in a service-managed bucket, use the URI shown in the TranscriptFileUri or RedactedTranscriptFileUri field.

Type: String

Valid Values: CUSTOMER_BUCKET | SERVICE_BUCKET

Required: No

StartTime

The date and time your transcription job began processing.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.789000-07:00 represents a transcription job that started processing at 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

ToxicityDetection

Indicates whether toxicity detection was enabled for the specified transcription job.

Type: Array of ToxicityDetectionSettings objects

Array Members: Fixed number of 1 item.

Required: No

TranscriptionJobName

The name of the transcription job. Job names are case sensitive and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

TranscriptionJobStatus

Provides the status of your transcription job.

If the status is `COMPLETED`, the job is finished and you can find the results at the location specified in `TranscriptFileUri` (or `RedactedTranscriptFileUri`, if you requested transcript redaction). If the status is `FAILED`, `FailureReason` provides details on why your transcription job failed.

Type: String

Valid Values: `QUEUED | IN_PROGRESS | FAILED | COMPLETED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptResponse

Service: Amazon Transcribe Service

Your transcript and information about your audio.

Contents

Metadata

Information about your audio, such as the detected language, format, and sample rate.

Type: TranscribeAudioMetadata object

Required: No

RedactedResults

Your transcript with personally identifiable information (PII) redacted. Present only if you included `ContentRedaction` in your request.

Type: TranscribeAudioResults object

Required: No

Results

Your unredacted transcript.

If you set `RedactionOutput` to `redacted`, Amazon Transcribe doesn't return this field. Use `RedactedResults` instead.

Type: TranscribeAudioResults object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

VocabularyFilterEntry

Service: Amazon Transcribe Service

A custom vocabulary filter for one language. Specify exactly one of `VocabularyFilterName` or `Words`.

Contents

Language

The language this custom vocabulary filter applies to, as a base language code (for example, `en`). Each language can appear in only one entry.

Type: String

Valid Values: `en | es | fr | it | de | ja | pt | ko | zh-CN | zh-TW | zh-HK`

Required: Yes

VocabularyFilterName

The name of a custom vocabulary filter you created. The filter's language must match this entry's `Language`.

Vocabulary filter names are case sensitive.

Include either `VocabularyFilterName` or `Words` in each entry, but not both.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

Words

The words to filter, provided inline. You don't need to create the vocabulary filter first.

Include either `Words` or `VocabularyFilterName` in each entry, but not both.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VocabularyFilterInfo

Service: Amazon Transcribe Service

Provides information about a custom vocabulary filter, including the language of the filter, when it was last modified, and its name.

Contents

LanguageCode

The language code that represents the language of the entries in your vocabulary filter. Each custom vocabulary filter must contain terms in only one language.

A custom vocabulary filter can only be used to transcribe files in the same language as the filter. For example, if you create a custom vocabulary filter using US English (en-US), you can only apply this filter to files that contain English audio.

For a list of supported languages and their associated language codes, refer to the Supported languages table.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

LastModifiedTime

The date and time the specified custom vocabulary filter was last modified.

Timestamps are in the format `YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC`. For example, `2022-05-04T12:32:58.761000-07:00` represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

VocabularyFilterName

A unique name, chosen by you, for your custom vocabulary filter. This name is case sensitive, cannot contain spaces, and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VocabularyFilterSettings

Service: Amazon Transcribe Service

Custom vocabulary filters to apply to your transcript, and how to apply them.

Contents

Filters

Custom vocabulary filters, with one entry per language. In each entry, you can reference a custom vocabulary filter you created or provide words inline. All entries must use the same type, either all by name or all inline.

If you specify `Language`, include exactly one entry, and its `Language` must match. If you use `LanguageDetectionMode`, you can include one entry for each language in `LanguageOptions`.

Type: Array of VocabularyFilterEntry objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: Yes

VocabularyFilterMethod

Specify how you want your custom vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VocabularyInfo

Service: Amazon Transcribe Service

Provides information about a custom vocabulary, including the language of the custom vocabulary, when it was last modified, its name, and the processing state.

Contents

LanguageCode

The language code used to create your custom vocabulary. Each custom vocabulary must contain terms in only one language.

A custom vocabulary can only be used to transcribe files in the same language as the custom vocabulary. For example, if you create a custom vocabulary using US English (en-US), you can only apply this custom vocabulary to files that contain English audio.

Type: String

Valid Values: af-ZA | ar-AE | ar-SA | am-ET | cy-GB | da-DK | de-CH | de-DE | en-AB | en-AU | en-GB | en-IE | en-IN | en-US | en-WL | es-ES | es-MX | es-US | fa-AF | fa-IR | fr-CA | fr-FR | ga-IE | gd-GB | he-IL | hi-IN | ht-HT | id-ID | it-IT | ja-JP | jv-ID | km-KH | ko-KR | my-MM | ms-MY | nl-NL | pt-BR | pt-PT | ru-RU | ta-IN | te-IN | tr-TR | zh-CN | zh-TW | th-TH | en-ZA | en-NZ | vi-VN | sv-SE | ab-GE | ast-ES | az-AZ | ba-RU | be-BY | bg-BG | bn-IN | bs-BA | ca-ES | ckb-IQ | ckb-IR | cs-CZ | cy-WL | el-GR | et-EE | et-ET | eu-ES | fi-FI | gl-ES | gu-IN | ha-NG | hr-HR | hu-HU | hy-AM | is-IS | ka-GE | kab-DZ | kk-KZ | kn-IN | ky-KG | lg-IN | lt-LT | lv-LV | mhr-RU | mi-NZ | mk-MK | ml-IN | mn-MN | mr-IN | mt-MT | no-NO | ne-NP | or-IN | pa-IN | pl-PL | ps-AF | ro-RO | rw-RW | si-LK | sk-SK | sl-SI | so-SO | sq-AL | sr-RS | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | tl-PH | tt-RU | ug-CN | uk-UA | uz-UZ | wo-SN | zh-HK | zu-ZA

Required: No

LastModifiedTime

The date and time the specified custom vocabulary was last modified.

Timestamps are in the format YYYY-MM-DD'T'HH:MM:SS.SSSSSS-UTC. For example, 2022-05-04T12:32:58.761000-07:00 represents 12:32 PM UTC-7 on May 4, 2022.

Type: Timestamp

Required: No

VocabularyName

A unique name, chosen by you, for your custom vocabulary. This name is case sensitive, cannot contain spaces, and must be unique within an AWS account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: ^[0-9a-zA-Z._-]+

Required: No

VocabularyState

The processing state of your custom vocabulary. If the state is READY, you can use the custom vocabulary in a StartTranscriptionJob request.

Type: String

Valid Values: PENDING | READY | FAILED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VocabularyPhrase

Service: Amazon Transcribe Service

A phrase in an inline custom vocabulary.

Contents

Text

The phrase to recognize in your audio.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

DisplayAs

How the phrase is written in your transcript. If you don't include `DisplayAs`, the phrase is written as it appears in `Text`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VocabularySettingsEntry

Service: Amazon Transcribe Service

A custom vocabulary for one language. Specify exactly one of `VocabularyName` or `Phrases`.

Contents

Language

The language this custom vocabulary applies to, as a base language code (for example, `en`). Each language can appear in only one entry.

Type: String

Valid Values: `en | es | fr | it | de | ja | pt | ko | zh-CN | zh-TW | zh-HK`

Required: Yes

Phrases

Up to 100 phrases to use as a custom vocabulary, provided inline. You don't need to create the vocabulary first.

Include either `Phrases` or `VocabularyName` in each entry, but not both.

Type: Array of VocabularyPhrase objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

VocabularyName

The name of a custom vocabulary you created. The vocabulary must be in the `READY` state, and its language must match this entry's `Language`.

Vocabulary names are case sensitive.

Include either `VocabularyName` or `Phrases` in each entry, but not both.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Amazon Transcribe Streaming Service

The following data types are supported by Amazon Transcribe Streaming Service:

- Alternative
- AudioEvent
- AudioStream
- CallAnalyticsEntity
- CallAnalyticsItem
- CallAnalyticsLanguageWithScore
- CallAnalyticsTranscriptResultStream
- CategoryEvent
- ChannelDefinition
- CharacterOffsets
- ClinicalNoteGenerationResult
- ClinicalNoteGenerationSettings
- ConfigurationEvent
- Entity
- IssueDetected
- Item

- LanguageWithScore
- MedicalAlternative
- MedicalEntity
- MedicalItem
- MedicalResult
- MedicalScribeAudioEvent
- MedicalScribeChannelDefinition
- MedicalScribeConfigurationEvent
- MedicalScribeContext
- MedicalScribeEncryptionSettings
- MedicalScribeInputStream
- MedicalScribePatientContext
- MedicalScribePostStreamAnalyticsResult
- MedicalScribePostStreamAnalyticsSettings
- MedicalScribeResultStream
- MedicalScribeSessionControlEvent
- MedicalScribeStreamDetails
- MedicalScribeTranscriptEvent
- MedicalScribeTranscriptItem
- MedicalScribeTranscriptSegment
- MedicalTranscript
- MedicalTranscriptEvent
- MedicalTranscriptResultStream
- PointsOfInterest
- PostCallAnalyticsSettings
- Result
- TimestampRange
- Transcript
- TranscriptEvent
- TranscriptResultStream

- UtteranceEvent

Alternative

Service: Amazon Transcribe Streaming Service

A list of possible alternative transcriptions for the input audio. Each alternative may contain one or more of `Items`, `Entities`, or `Transcript`.

Contents

Entities

Contains entities identified as personally identifiable information (PII) in your transcription output.

Type: Array of Entity objects

Required: No

Items

Contains words, phrases, or punctuation marks in your transcription output.

Type: Array of Item objects

Required: No

Transcript

Contains transcribed text.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AudioEvent

Service: Amazon Transcribe Streaming Service

A wrapper for your audio chunks. Your audio stream consists of one or more audio events, which consist of one or more audio chunks.

For more information, see Event stream encoding.

Contents

AudioChunk

An audio blob containing the next segment of audio from your application, with a maximum duration of 1 second. The maximum size in bytes varies based on audio properties.

Find recommended size in Transcribing streaming best practices.

Size calculation: `Duration (s) * Sample Rate (Hz) * Number of Channels * 2 (Bytes per Sample)`

For example, a 1-second chunk of 16 kHz, 2-channel, 16-bit audio would be `1 * 16000 * 2 * 2 = 64000 bytes`.

For 8 kHz, 1-channel, 16-bit audio, a 1-second chunk would be `1 * 8000 * 1 * 2 = 16000 bytes`.

Type: Base64-encoded binary data object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AudioStream

Service: Amazon Transcribe Streaming Service

An encoded stream of audio blobs. Audio streams are encoded as either HTTP/2 or WebSocket data frames.

For more information, see Transcribing streaming audio.

Contents

AudioEvent

A blob of audio from your application. Your audio stream consists of one or more audio events.

For more information, see Event stream encoding.

Type: AudioEvent object

Required: No

ConfigurationEvent

Contains audio channel definitions and post-call analytics settings.

Type: ConfigurationEvent object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsEntity

Service: Amazon Transcribe Streaming Service

Contains entities identified as personally identifiable information (PII) in your transcription output, along with various associated attributes. Examples include category, confidence score, content, type, and start and end times.

Contents

BeginOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the start of the identified entity.

Type: Long

Required: No

Category

The category of information identified. For example, `PII`.

Type: String

Required: No

Confidence

The confidence score associated with the identification of an entity in your transcript.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified entity correctly matches the entity spoken in your media.

Type: Double

Required: No

Content

The word or words that represent the identified entity.

Type: String

Required: No

EndOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the end of the identified entity.

Type: Long

Required: No

Type

The type of PII identified. For example, `NAME` or `CREDIT_DEBIT_NUMBER`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsItem

Service: Amazon Transcribe Streaming Service

A word, phrase, or punctuation mark in your Call Analytics transcription output, along with various associated attributes, such as confidence score, type, and start and end times.

Contents

BeginOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the start of the identified item.

Type: Long

Required: No

Confidence

The confidence score associated with a word or phrase in your transcript.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified item correctly matches the item spoken in your media.

Type: Double

Required: No

Content

The word or punctuation that was transcribed.

Type: String

Required: No

EndOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the end of the identified item.

Type: Long

Required: No

Stable

If partial result stabilization is enabled, `Stable` indicates whether the specified item is stable (`true`) or if it may change when the segment is complete (`false`).

Type: Boolean

Required: No

Type

The type of item identified. Options are: `PRONUNCIATION` (spoken words) and `PUNCTUATION`.

Type: String

Valid Values: `pronunciation | punctuation`

Required: No

VocabularyFilterMatch

Indicates whether the specified item matches a word in the vocabulary filter included in your Call Analytics request. If `true`, there is a vocabulary filter match.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsLanguageWithScore

Service: Amazon Transcribe Streaming Service

The language code that represents the language identified in your audio, including the associated confidence score.

Contents

LanguageCode

The language code of the identified language.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

Required: No

Score

The confidence score associated with the identified language code. Confidence scores are values between zero and one; larger values indicate a higher confidence in the identified language.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallAnalyticsTranscriptResultStream

Service: Amazon Transcribe Streaming Service

Contains detailed information about your real-time Call Analytics session. These details are provided in the `UtteranceEvent` and `CategoryEvent` objects.

Contents

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

Type: Exception

HTTP Status Code: 400

Required: No

CategoryEvent

Provides information on matched categories that were used to generate real-time supervisor alerts.

Type: CategoryEvent object

Required: No

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

Required: No

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

Required: No

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

Required: No

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

Required: No

UtteranceEvent

Contains set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to channel definitions, partial result stabilization, sentiment, issue detection, and other transcription-related data.

Type: UtteranceEvent object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CategoryEvent

Service: Amazon Transcribe Streaming Service

Provides information on any `TranscriptFilterType` categories that matched your transcription output. Matches are identified for each segment upon completion of that segment.

Contents

MatchedCategories

Lists the categories that were matched in your audio segment.

Type: Array of strings

Required: No

MatchedDetails

Contains information about the matched categories, including category names and timestamps.

Type: String to PointsOfInterest object map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelDefinition

Service: Amazon Transcribe Streaming Service

Makes it possible to specify which speaker is on which audio channel. For example, if your agent is the first participant to speak, you would set `ChannelId` to `0` (to indicate the first channel) and `ParticipantRole` to `AGENT` (to indicate that it's the agent speaking).

Contents

ChannelId

Specify the audio channel you want to define.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: Yes

ParticipantRole

Specify the speaker you want to define. Omitting this parameter is equivalent to specifying both participants.

Type: String

Valid Values: `AGENT | CUSTOMER`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CharacterOffsets

Service: Amazon Transcribe Streaming Service

Provides the location, using character count, in your transcript where a match is identified. For example, the location of an issue or a category match within a segment.

Contents

Begin

Provides the character count of the first character where a match is identified. For example, the first character associated with an issue or a category match in a segment transcript.

Type: Integer

Required: No

End

Provides the character count of the last character where a match is identified. For example, the last character associated with an issue or a category match in a segment transcript.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ClinicalNoteGenerationResult

Service: Amazon Transcribe Streaming Service

The details for clinical note generation, including status, and output locations for clinical note and aggregated transcript if the analytics completed, or failure reason if the analytics failed.

Contents

ClinicalNoteOutputLocation

Holds the Amazon S3 URI for the output Clinical Note.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

FailureReason

If `ClinicalNoteGenerationResult` is `FAILED`, information about why it failed.

Type: String

Required: No

Status

The status of the clinical note generation.

Possible Values:

- `IN_PROGRESS`
- `FAILED`
- `COMPLETED`

After audio streaming finishes, and you send a `MedicalScribeSessionControlEvent` event (with END_OF_SESSION as the Type), the status is set to `IN_PROGRESS`. If the status is `COMPLETED`, the analytics completed successfully, and you can find the results at the locations specified in `ClinicalNoteOutputLocation` and `TranscriptOutputLocation`. If the status is `FAILED`, `FailureReason` provides details about the failure.

Type: String

Valid Values: `IN_PROGRESS | FAILED | COMPLETED`

Required: No

TranscriptOutputLocation

Holds the Amazon S3 URI for the output Transcript.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `(s3://|http(s*)://).+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ClinicalNoteGenerationSettings

Service: Amazon Transcribe Streaming Service

The output configuration for aggregated transcript and clinical note generation.

Contents

OutputBucketName

The name of the Amazon S3 bucket where you want the output of AWS HealthScribe post-stream analytics stored. Don't include the `S3://` prefix of the specified bucket.

HealthScribe outputs transcript and clinical note files under the prefix: `S3://$output-bucket-name/healthscribe-streaming/session-id/post-stream-analytics/clinical-notes`

The role `ResourceAccessRoleArn` specified in the `MedicalScribeConfigurationEvent` must have permission to use the specified location. You can change Amazon S3 permissions using the AWS Management Console. See also Permissions Required for IAM User Roles .

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: Yes

NoteTemplate

Specify one of the following templates to use for the clinical note summary. The default is `HISTORY_AND_PHYSICAL`.

- HISTORY_AND_PHYSICAL: Provides summaries for key sections of the clinical documentation. Examples of sections include Chief Complaint, History of Present Illness, Review of Systems, Past Medical History, Assessment, and Plan.
- GIRPP: Provides summaries based on the patients progress toward goals. Examples of sections include Goal, Intervention, Response, Progress, and Plan.
- BIRP: Focuses on the patient's behavioral patterns and responses. Examples of sections include Behavior, Intervention, Response, and Plan.

- SIRP: Emphasizes the situational context of therapy. Examples of sections include Situation, Intervention, Response, and Plan.
- DAP: Provides a simplified format for clinical documentation. Examples of sections include Data, Assessment, and Plan.
- BEHAVIORAL_SOAP: Behavioral health focused documentation format. Examples of sections include Subjective, Objective, Assessment, and Plan.
- PHYSICAL_SOAP: Physical health focused documentation format. Examples of sections include Subjective, Objective, Assessment, and Plan.

Type: String

Valid Values: `HISTORY_AND_PHYSICAL | GIRPP | DAP | SIRP | BIRP | BEHAVIORAL_SOAP | PHYSICAL_SOAP`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigurationEvent

Service: Amazon Transcribe Streaming Service

Allows you to set audio channel definitions and post-call analytics settings.

Contents

ChannelDefinitions

Indicates which speaker is on which audio channel.

Type: Array of ChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

PostCallAnalyticsSettings

Provides additional optional settings for your Call Analytics post-call request, including encryption and output locations for your redacted transcript.

`PostCallAnalyticsSettings` provides you with the same insights as a Call Analytics post-call transcription. Refer to Post-call analytics for more information on this feature.

Type: PostCallAnalyticsSettings object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Entity

Service: Amazon Transcribe Streaming Service

Contains entities identified as personally identifiable information (PII) in your transcription output, along with various associated attributes. Examples include category, confidence score, type, stability score, and start and end times.

Contents

Category

The category of information identified. The only category is `PII`.

Type: String

Required: No

Confidence

The confidence score associated with the identified PII entity in your audio.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified entity correctly matches the entity spoken in your media.

Type: Double

Required: No

Content

The word or words identified as PII.

Type: String

Required: No

EndTime

The end time of the utterance that was identified as PII in seconds, with millisecond precision (e.g., 1.056)

Type: Double

Required: No

StartTime

The start time of the utterance that was identified as PII in seconds, with millisecond precision (e.g., 1.056)

Type: Double

Required: No

Type

The type of PII identified. For example, `NAME` or `CREDIT_DEBIT_NUMBER`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IssueDetected

Service: Amazon Transcribe Streaming Service

Lists the issues that were identified in your audio segment.

Contents

CharacterOffsets

Provides the timestamps that identify when in an audio segment the specified issue occurs.

Type: CharacterOffsets object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Item

Service: Amazon Transcribe Streaming Service

A word, phrase, or punctuation mark in your transcription output, along with various associated attributes, such as confidence score, type, and start and end times.

Contents

Confidence

The confidence score associated with a word or phrase in your transcript.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified item correctly matches the item spoken in your media.

Type: Double

Required: No

Content

The word or punctuation that was transcribed.

Type: String

Required: No

EndTime

The end time of the transcribed item in seconds, with millisecond precision (e.g., 1.056)

Type: Double

Required: No

Speaker

If speaker partitioning is enabled, `Speaker` labels the speaker of the specified item.

Type: String

Required: No

Stable

If partial result stabilization is enabled, `Stable` indicates whether the specified item is stable (`true`) or if it may change when the segment is complete (`false`).

Type: Boolean

Required: No

StartTime

The start time of the transcribed item in seconds, with millisecond precision (e.g., 1.056)

Type: Double

Required: No

Type

The type of item identified. Options are: `PRONUNCIATION` (spoken words) and `PUNCTUATION`.

Type: String

Valid Values: `pronunciation | punctuation`

Required: No

VocabularyFilterMatch

Indicates whether the specified item matches a word in the vocabulary filter included in your request. If `true`, there is a vocabulary filter match.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LanguageWithScore

Service: Amazon Transcribe Streaming Service

The language code that represents the language identified in your audio, including the associated confidence score. If you enabled channel identification in your request and each channel contained a different language, you will have more than one `LanguageWithScore` result.

Contents

LanguageCode

The language code of the identified language.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES | hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ`

Required: No

Score

The confidence score associated with the identified language code. Confidence scores are values between zero and one; larger values indicate a higher confidence in the identified language.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalAlternative

Service: Amazon Transcribe Streaming Service

A list of possible alternative transcriptions for the input audio. Each alternative may contain one or more of `Items`, `Entities`, or `Transcript`.

Contents

Entities

Contains entities identified as personal health information (PHI) in your transcription output.

Type: Array of MedicalEntity objects

Required: No

Items

Contains words, phrases, or punctuation marks in your transcription output.

Type: Array of MedicalItem objects

Required: No

Transcript

Contains transcribed text.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalEntity

Service: Amazon Transcribe Streaming Service

Contains entities identified as personal health information (PHI) in your transcription output, along with various associated attributes. Examples include category, confidence score, type, stability score, and start and end times.

Contents

Category

The category of information identified. The only category is `PHI`.

Type: String

Required: No

Confidence

The confidence score associated with the identified PHI entity in your audio.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified entity correctly matches the entity spoken in your media.

Type: Double

Required: No

Content

The word or words identified as PHI.

Type: String

Required: No

EndTime

The end time, in seconds, of the utterance that was identified as PHI.

Type: Double

Required: No

StartTime

The start time, in seconds, of the utterance that was identified as PHI.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalItem

Service: Amazon Transcribe Streaming Service

A word, phrase, or punctuation mark in your transcription output, along with various associated attributes, such as confidence score, type, and start and end times.

Contents

Confidence

The confidence score associated with a word or phrase in your transcript.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified item correctly matches the item spoken in your media.

Type: Double

Required: No

Content

The word or punctuation that was transcribed.

Type: String

Required: No

EndTime

The end time, in seconds, of the transcribed item.

Type: Double

Required: No

Speaker

If speaker partitioning is enabled, `Speaker` labels the speaker of the specified item.

Type: String

Required: No

StartTime

The start time, in seconds, of the transcribed item.

Type: Double

Required: No

Type

The type of item identified. Options are: `PRONUNCIATION` (spoken words) and `PUNCTUATION`.

Type: String

Valid Values: `pronunciation | punctuation`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalResult

Service: Amazon Transcribe Streaming Service

The `Result` associated with a `MedicalTranscript` .

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Contents

Alternatives

A list of possible alternative transcriptions for the input audio. Each alternative may contain one or more of `Items`, `Entities`, or `Transcript`.

Type: Array of MedicalAlternative objects

Required: No

ChannelId

Indicates the channel identified for the `Result`.

Type: String

Required: No

EndTime

The end time, in seconds, of the `Result`.

Type: Double

Required: No

IsPartial

Indicates if the segment is complete.

If `IsPartial` is `true`, the segment is not complete. If `IsPartial` is `false`, the segment is complete.

Type: Boolean

Required: No

ResultId

Provides a unique identifier for the `Result`.

Type: String

Required: No

StartTime

The start time, in seconds, of the `Result`.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeAudioEvent

Service: Amazon Transcribe Streaming Service

A wrapper for your audio chunks

For more information, see Event stream encoding.

Contents

AudioChunk

An audio blob containing the next segment of audio from your application, with a maximum duration of 1 second. The maximum size in bytes varies based on audio properties.

Find recommended size in Transcribing streaming best practices.

Size calculation: `Duration (s) * Sample Rate (Hz) * Number of Channels * 2 (Bytes per Sample)`

For example, a 1-second chunk of 16 kHz, 2-channel, 16-bit audio would be `1 * 16000 * 2 * 2 = 64000 bytes`.

For 8 kHz, 1-channel, 16-bit audio, a 1-second chunk would be `1 * 8000 * 1 * 2 = 16000 bytes`.

Type: Base64-encoded binary data object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeChannelDefinition

Service: Amazon Transcribe Streaming Service

Makes it possible to specify which speaker is on which channel. For example, if the clinician is the first participant to speak, you would set the `ChannelId` of the first `ChannelDefinition` in the list to `0` (to indicate the first channel) and `ParticipantRole` to `CLINICIAN` (to indicate that it's the clinician speaking). Then you would set the `ChannelId` of the second `ChannelDefinition` in the list to `1` (to indicate the second channel) and `ParticipantRole` to `PATIENT` (to indicate that it's the patient speaking).

If you don't specify a channel definition, HealthScribe will diarize the transcription and identify speaker roles for each speaker.

Contents

ChannelId

Specify the audio channel you want to define.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: Yes

ParticipantRole

Specify the participant that you want to flag. The allowed options are `CLINICIAN` and `PATIENT`.

Type: String

Valid Values: `PATIENT | CLINICIAN`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeConfigurationEvent

Service: Amazon Transcribe Streaming Service

Specify details to configure the streaming session, including channel definitions, encryption settings, post-stream analytics settings, resource access role ARN and vocabulary settings.

Whether you are starting a new session or resuming an existing session, your first event must be a `MedicalScribeConfigurationEvent`. If you are resuming a session, then this event must have the same configurations that you provided to start the session.

Contents

PostStreamAnalyticsSettings

Specify settings for post-stream analytics.

Type: MedicalScribePostStreamAnalyticsSettings object

Required: Yes

ResourceAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 output bucket you specified, and use your AWS KMS key if supplied. If the role that you specify doesn't have the appropriate permissions, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`.

For more information, see AWS HealthScribe.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: Yes

ChannelDefinitions

Specify which speaker is on which audio channel.

Type: Array of MedicalScribeChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

EncryptionSettings

Specify the encryption settings for your streaming session.

Type: MedicalScribeEncryptionSettings object

Required: No

MedicalScribeContext

The `MedicalScribeContext` object that contains contextual information used to generate customized clinical notes.

Type: MedicalScribeContext object

Required: No

VocabularyFilterMethod

Specify how you want your custom vocabulary filter applied to the streaming session.

To replace words with `***`, specify `mask`.

To delete words, specify `remove`.

To flag words without changing them, specify `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

Specify the name of the custom vocabulary filter you want to include in your streaming session. Custom vocabulary filter names are case-sensitive.

If you include `VocabularyFilterName` in the `MedicalScribeConfigurationEvent`, you must also include `VocabularyFilterMethod`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyName

Specify the name of the custom vocabulary you want to use for your streaming session. Custom vocabulary names are case-sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeContext

Service: Amazon Transcribe Streaming Service

The `MedicalScribeContext` object that contains contextual information which is used during clinical note generation to add relevant context to the note.

Contents

PatientContext

Contains patient-specific information used to customize the clinical note generation.

Type: MedicalScribePatientContext object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeEncryptionSettings

Service: Amazon Transcribe Streaming Service

Contains encryption related settings to be used for data encryption with AWS Key Management Service, including KmsEncryptionContext and KmsKeyId. The KmsKeyId is required, while KmsEncryptionContext is optional for additional layer of security.

By default, AWS HealthScribe provides encryption at rest to protect sensitive customer data using Amazon S3-managed keys. HealthScribe uses the KMS key you specify as a second layer of encryption.

Your `ResourceAccessRoleArn` must permission to use your KMS key. For more information, see Data Encryption at rest for AWS HealthScribe.

Contents

KmsKeyId

The ID of the KMS key you want to use for your streaming session. You can specify its KMS key ID, key Amazon Resource Name (ARN), alias name, or alias ARN. When using an alias name, prefix it with `"alias/"`. To specify a KMS key in a different AWS account, you must use the key ARN or alias ARN.

For example:

- Key ID: 1234abcd-12ab-34cd-56ef-1234567890ab
- Key ARN: arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab
- Alias name: alias/ExampleAlias
- Alias ARN: arn:aws:kms:us-east-2:111122223333:alias/ExampleAlias

To get the key ID and key ARN for a KMS key, use the ListKeys or DescribeKey KMS API operations. To get the alias name and alias ARN, use ListKeys API operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,2048}$`

Required: Yes

KmsEncryptionContext

A map of plain text, non-secret key:value pairs, known as encryption context pairs, that provide an added layer of security for your data. For more information, see AWS KMSencryption context and Asymmetric keys in AWS KMS.

Type: String to string map

Map Entries: Maximum number of 10 items.

Key Length Constraints: Minimum length of 1. Maximum length of 2000.

Key Pattern: `.*\S.*`

Value Length Constraints: Minimum length of 1. Maximum length of 2000.

Value Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeInputStream

Service: Amazon Transcribe Streaming Service

An encoded stream of events. The stream is encoded as HTTP/2 data frames.

An input stream consists of the following types of events. The first element of the input stream must be the `MedicalScribeConfigurationEvent` event type.

- `MedicalScribeConfigurationEvent`
- `MedicalScribeAudioEvent`
- `MedicalScribeSessionControlEvent`

Contents

AudioEvent

A wrapper for your audio chunks

For more information, see Event stream encoding.

Type: MedicalScribeAudioEvent object

Required: No

ConfigurationEvent

Specify additional streaming session configurations beyond those provided in your initial start request headers. For example, specify channel definitions, encryption settings, and post-stream analytics settings.

Whether you are starting a new session or resuming an existing session, your first event must be a `MedicalScribeConfigurationEvent`.

Type: MedicalScribeConfigurationEvent object

Required: No

SessionControlEvent

Specify the lifecycle of your streaming session, such as ending the session.

Type: MedicalScribeSessionControlEvent object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribePatientContext

Service: Amazon Transcribe Streaming Service

Contains patient-specific information.

Contents

Pronouns

The patient's preferred pronouns that the user wants to provide as a context for clinical note generation .

Type: String

Valid Values: `HE_HIM | SHE_HER | THEY_THEM`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribePostStreamAnalyticsResult

Service: Amazon Transcribe Streaming Service

Contains details for the result of post-stream analytics.

Contents

ClinicalNoteGenerationResult

Provides the Clinical Note Generation result for post-stream analytics.

Type: ClinicalNoteGenerationResult object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribePostStreamAnalyticsSettings

Service: Amazon Transcribe Streaming Service

The settings for post-stream analytics.

Contents

ClinicalNoteGenerationSettings

Specify settings for the post-stream clinical note generation.

Type: ClinicalNoteGenerationSettings object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeResultStream

Service: Amazon Transcribe Streaming Service

Result stream where you will receive the output events. The details are provided in the `MedicalScribeTranscriptEvent` object.

Contents

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

Type: Exception

HTTP Status Code: 400

Required: No

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

Required: No

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

Required: No

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration.

In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

Required: No

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

Required: No

TranscriptEvent

The transcript event that contains real-time transcription results.

Type: MedicalScribeTranscriptEvent object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeSessionControlEvent

Service: Amazon Transcribe Streaming Service

Specify the lifecycle of your streaming session.

Contents

Type

The type of `MedicalScribeSessionControlEvent`.

Possible Values:

- `END_OF_SESSION` - Indicates the audio streaming is complete. After you send an END_OF_SESSION event, AWS HealthScribe starts the post-stream analytics. The session can't be resumed after this event is sent. After AWS HealthScribe processes the event, the real-time `StreamStatus` is `COMPLETED`. You get the `StreamStatus` and other stream details with the GetMedicalScribeStream API operation. For more information about different streaming statuses, see the `StreamStatus` description in the MedicalScribeStreamDetails.

Type: String

Valid Values: `END_OF_SESSION`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeStreamDetails

Service: Amazon Transcribe Streaming Service

Contains details about a AWS HealthScribe streaming session.

Contents

ChannelDefinitions

The Channel Definitions of the HealthScribe streaming session.

Type: Array of MedicalScribeChannelDefinition objects

Array Members: Fixed number of 2 items.

Required: No

EncryptionSettings

The Encryption Settings of the HealthScribe streaming session.

Type: MedicalScribeEncryptionSettings object

Required: No

LanguageCode

The Language Code of the HealthScribe streaming session.

Type: String

Valid Values: `en-US`

Required: No

MediaEncoding

The Media Encoding of the HealthScribe streaming session.

Type: String

Valid Values: `pcm | ogg-opus | flac`

Required: No

MediaSampleRateHertz

The sample rate (in hertz) of the HealthScribe streaming session.

Type: Integer

Valid Range: Minimum value of 16000. Maximum value of 48000.

Required: No

MedicalScribeContextProvided

Indicates whether the `MedicalScribeContext` object was provided when the stream was started.

Type: Boolean

Required: No

PostStreamAnalyticsResult

The result of post-stream analytics for the HealthScribe streaming session.

Type: MedicalScribePostStreamAnalyticsResult object

Required: No

PostStreamAnalyticsSettings

The post-stream analytics settings of the HealthScribe streaming session.

Type: MedicalScribePostStreamAnalyticsSettings object

Required: No

ResourceAccessRoleArn

The Amazon Resource Name (ARN) of the role used in the HealthScribe streaming session.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:(aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):iam::[0-9]{0,63}:role/[A-Za-z0-9:_/+=,@.-]{0,1024}$`

Required: No

SessionId

The identifier of the HealthScribe streaming session.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}`

Required: No

StreamCreatedAt

The date and time when the HealthScribe streaming session was created.

Type: Timestamp

Required: No

StreamEndedAt

The date and time when the HealthScribe streaming session was ended.

Type: Timestamp

Required: No

StreamStatus

The streaming status of the HealthScribe streaming session.

Possible Values:

- `IN_PROGRESS`
- `PAUSED`
- `FAILED`
- `COMPLETED`

> **Note**
>
> This status is specific to real-time streaming. A `COMPLETED` status doesn't mean that the post-stream analytics is complete. To get status of an

analytics result, check the `Status` field for the analytics result within the `MedicalScribePostStreamAnalyticsResult`. For example, you can view the status of the `ClinicalNoteGenerationResult`.

Type: String

Valid Values: `IN_PROGRESS | PAUSED | FAILED | COMPLETED`

Required: No

VocabularyFilterMethod

The method of the vocabulary filter for the HealthScribe streaming session.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

The name of the vocabulary filter used for the HealthScribe streaming session .

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyName

The vocabulary name of the HealthScribe streaming session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeTranscriptEvent

Service: Amazon Transcribe Streaming Service

The event associated with `MedicalScribeResultStream`.

Contains `MedicalScribeTranscriptSegment`, which contains segment related information.

Contents

TranscriptSegment

The `TranscriptSegment` associated with a `MedicalScribeTranscriptEvent`.

Type: MedicalScribeTranscriptSegment object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeTranscriptItem

Service: Amazon Transcribe Streaming Service

A word, phrase, or punctuation mark in your transcription output, along with various associated attributes, such as confidence score, type, and start and end times.

Contents

BeginAudioTime

The start time, in milliseconds, of the transcribed item.

Type: Double

Required: No

Confidence

The confidence score associated with a word or phrase in your transcript.

Confidence scores are values between 0 and 1. A larger value indicates a higher probability that the identified item correctly matches the item spoken in your media.

Type: Double

Required: No

Content

The word, phrase or punctuation mark that was transcribed.

Type: String

Required: No

EndAudioTime

The end time, in milliseconds, of the transcribed item.

Type: Double

Required: No

Type

The type of item identified. Options are: `PRONUNCIATION` (spoken words) and `PUNCTUATION`.

Type: String

Valid Values: `pronunciation | punctuation`

Required: No

VocabularyFilterMatch

Indicates whether the specified item matches a word in the vocabulary filter included in your configuration event. If `true`, there is a vocabulary filter match.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalScribeTranscriptSegment

Service: Amazon Transcribe Streaming Service

Contains a set of transcription results, along with additional information of the segment.

Contents

BeginAudioTime

The start time, in milliseconds, of the segment.

Type: Double

Required: No

ChannelId

Indicates which audio channel is associated with the `MedicalScribeTranscriptSegment`.

If `MedicalScribeChannelDefinition` is not provided in the `MedicalScribeConfigurationEvent`, then this field will not be included.

Type: String

Required: No

Content

Contains transcribed text of the segment.

Type: String

Required: No

EndAudioTime

The end time, in milliseconds, of the segment.

Type: Double

Required: No

IsPartial

Indicates if the segment is complete.

If `IsPartial` is `true`, the segment is not complete. If `IsPartial` is `false`, the segment is complete.

Type: Boolean

Required: No

Items

Contains words, phrases, or punctuation marks in your segment.

Type: Array of MedicalScribeTranscriptItem objects

Required: No

SegmentId

The identifier of the segment.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscript

Service: Amazon Transcribe Streaming Service

The `MedicalTranscript` associated with a `MedicalTranscriptEvent` .

`MedicalTranscript` contains `Results`, which contains a set of transcription results from one or more audio segments, along with additional information per your request parameters.

Contents

Results

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Type: Array of MedicalResult objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscriptEvent

Service: Amazon Transcribe Streaming Service

The `MedicalTranscriptEvent` associated with a `MedicalTranscriptResultStream`.

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters.

Contents

Transcript

Contains `Results`, which contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Type: MedicalTranscript object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MedicalTranscriptResultStream

Service: Amazon Transcribe Streaming Service

Contains detailed information about your streaming session.

Contents

BadRequestException

One or more arguments to the `StartStreamTranscription`, `StartMedicalStreamTranscription`, or `StartCallAnalyticsStreamTranscription` operation was not valid. For example, `MediaEncoding` or `LanguageCode` used unsupported values. Check the specified parameters and try your request again.

Type: Exception

HTTP Status Code: 400

Required: No

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

Required: No

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

Required: No

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration.

In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

Required: No

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

Required: No

TranscriptEvent

The `MedicalTranscriptEvent` associated with a `MedicalTranscriptResultStream`.

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Type: MedicalTranscriptEvent object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PointsOfInterest

Service: Amazon Transcribe Streaming Service

Contains the timestamps of matched categories.

Contents

TimestampRanges

Contains the timestamp ranges (start time through end time) of matched categories and rules.

Type: Array of TimestampRange objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PostCallAnalyticsSettings

Service: Amazon Transcribe Streaming Service

Allows you to specify additional settings for your Call Analytics post-call request, including output locations for your redacted transcript, which IAM role to use, and which encryption key to use.

`DataAccessRoleArn` and `OutputLocation` are required fields.

`PostCallAnalyticsSettings` provides you with the same insights as a Call Analytics post-call transcription. Refer to Post-call analytics for more information on this feature.

Contents

DataAccessRoleArn

The Amazon Resource Name (ARN) of an IAM role that has permissions to access the Amazon S3 bucket that contains your input files. If the role that you specify doesn't have the appropriate permissions to access the specified Amazon S3 location, your request fails.

IAM role ARNs have the format `arn:partition:iam::account:role/role-name-with-path`. For example: `arn:aws:iam::111122223333:role/Admin`. For more information, see IAM ARNs.

Type: String

Required: Yes

OutputLocation

The Amazon S3 location where you want your Call Analytics post-call transcription output stored. You can use any of the following formats to specify the output location:

1. s3://DOC-EXAMPLE-BUCKET
2. s3://DOC-EXAMPLE-BUCKET/my-output-folder/
3. s3://DOC-EXAMPLE-BUCKET/my-output-folder/my-call-analytics-job.json

Type: String

Required: Yes

ContentRedactionOutput

Specify whether you want only a redacted transcript or both a redacted and an unredacted transcript. If you choose redacted and unredacted, two JSON files are generated and stored in the Amazon S3 output location you specify.

Note that to include `ContentRedactionOutput` in your request, you must enable content redaction (`ContentRedactionType`).

Type: String

Valid Values: `redacted | redacted_and_unredacted`

Required: No

OutputEncryptionKMSKeyId

The KMS key you want to use to encrypt your Call Analytics post-call output.

If using a key located in the **current** AWS account, you can specify your KMS key in one of four ways:

1. Use the KMS key ID itself. For example, `1234abcd-12ab-34cd-56ef-1234567890ab`.
2. Use an alias for the KMS key ID. For example, `alias/ExampleAlias`.
3. Use the Amazon Resource Name (ARN) for the KMS key ID. For example, `arn:aws:kms:region:account-ID:key/1234abcd-12ab-34cd-56ef-1234567890ab`.
4. Use the ARN for the KMS key alias. For example, `arn:aws:kms:region:account-ID:alias/ExampleAlias`.

If using a key located in a **different** AWS account than the current AWS account, you can specify your KMS key in one of two ways:

1. Use the ARN for the KMS key ID. For example, `arn:aws:kms:region:account-ID:key/1234abcd-12ab-34cd-56ef-1234567890ab`.
2. Use the ARN for the KMS key alias. For example, `arn:aws:kms:region:account-ID:alias/ExampleAlias`.

Note that the role making the StartCallAnalyticsStreamTranscription request must have permission to use the specified KMS key.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Result

Service: Amazon Transcribe Streaming Service

The `Result` associated with a `Transcript` .

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Contents

Alternatives

A list of possible alternative transcriptions for the input audio. Each alternative may contain one or more of `Items`, `Entities`, or `Transcript`.

Type: Array of Alternative objects

Required: No

ChannelId

Indicates which audio channel is associated with the `Result`.

Type: String

Required: No

EndTime

The end time of the `Result` in seconds, with millisecond precision (e.g., 1.056).

Type: Double

Required: No

IsPartial

Indicates if the segment is complete.

If `IsPartial` is `true`, the segment is not complete. If `IsPartial` is `false`, the segment is complete.

Type: Boolean

Required: No

LanguageCode

The language code that represents the language spoken in your audio stream.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | es-ES | ar-SA | pt-PT | ca-ES | ar-AE | hi-IN | zh-HK | nl-NL | no-NO | sv-SE | pl-PL | fi-FI | zh-TW | en-IN | en-IE | en-NZ | en-AB | en-ZA | en-WL | de-CH | af-ZA | eu-ES | hr-HR | cs-CZ | da-DK | fa-IR | gl-ES | el-GR | he-IL | id-ID | lv-LV | ms-MY | ro-RO | ru-RU | sr-RS | sk-SK | so-SO | tl-PH | uk-UA | vi-VN | zu-ZA | am-ET | be-BY | bg-BG | bn-IN | bs-BA | ckb-IQ | ckb-IR | cy-WL | es-MX | et-ET | fa-AF | gu-IN | ht-HT | hu-HU | hy-AM | is-IS | jv-ID | ka-GE | kab-DZ | kk-KZ | km-KH | kn-IN | lg-IN | lt-LT | mk-MK | ml-IN | mr-IN | my-MM | ne-NP | or-IN | pa-IN | ps-AF | si-LK | sl-SI | sq-AL | su-ID | sw-BI | sw-KE | sw-RW | sw-TZ | sw-UG | ta-IN | te-IN | tr-TR | uz-UZ`

Required: No

LanguageIdentification

The language code of the dominant language identified in your stream.

If you enabled channel identification and each channel of your audio contains a different language, you may have more than one result.

Type: Array of LanguageWithScore objects

Required: No

ResultId

Provides a unique identifier for the `Result`.

Type: String

Required: No

StartTime

The start time of the `Result` in seconds, with millisecond precision (e.g., 1.056).

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimestampRange

Service: Amazon Transcribe Streaming Service

Contains the timestamp range (start time through end time) of a matched category.

Contents

BeginOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the start of the category match.

Type: Long

Required: No

EndOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the end of the category match.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Transcript

Service: Amazon Transcribe Streaming Service

The `Transcript` associated with a `TranscriptEvent` .

`Transcript` contains `Results`, which contains a set of transcription results from one or more audio segments, along with additional information per your request parameters.

Contents

Results

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Type: Array of Result objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptEvent

Service: Amazon Transcribe Streaming Service

The `TranscriptEvent` associated with a `TranscriptResultStream`.

Contains a set of transcription results from one or more audio segments, along with additional information per your request parameters.

Contents

Transcript

Contains `Results`, which contains a set of transcription results from one or more audio segments, along with additional information per your request parameters. This can include information relating to alternative transcriptions, channel identification, partial result stabilization, language identification, and other transcription-related data.

Type: Transcript object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptResultStream

Service: Amazon Transcribe Streaming Service

Contains detailed information about your streaming session.

Contents

BadRequestException

A client error occurred when the stream was created. Check the parameters of the request and try your request again.

Type: Exception

HTTP Status Code: 400

Required: No

ConflictException

A new stream started with the same session ID. The current stream has been terminated.

Type: Exception

HTTP Status Code: 409

Required: No

InternalFailureException

A problem occurred while processing the audio. Amazon Transcribe terminated processing.

Type: Exception

HTTP Status Code: 500

Required: No

LimitExceededException

Your client has exceeded one of the Amazon Transcribe limits, typically the concurrent stream service quota. This error can also occur if a stream exceeds the maximum session duration. In rare cases, this error can also occur if you increase your number of concurrent streams too quickly. Reduce your number of concurrent streams and try your request again using an exponential backoff strategy.

Type: Exception

HTTP Status Code: 429

Required: No

ServiceUnavailableException

The service is currently unavailable. Try your request later.

Type: Exception

HTTP Status Code: 503

Required: No

TranscriptEvent

Contains `Transcript`, which contains `Results`. The `Result` object contains a set of transcription results from one or more audio segments, along with additional information per your request parameters.

Type: TranscriptEvent object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UtteranceEvent

Service: Amazon Transcribe Streaming Service

Contains set of transcription results from one or more audio segments, along with additional information about the parameters included in your request. For example, channel definitions, partial result stabilization, sentiment, and issue detection.

Contents

BeginOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the start of the `UtteranceEvent`.

Type: Long

Required: No

EndOffsetMillis

The time, in milliseconds, from the beginning of the audio stream to the start of the `UtteranceEvent`.

Type: Long

Required: No

Entities

Contains entities identified as personally identifiable information (PII) in your transcription output.

Type: Array of CallAnalyticsEntity objects

Required: No

IsPartial

Indicates whether the segment in the `UtteranceEvent` is complete (FALSE) or partial (TRUE).

Type: Boolean

Required: No

IssuesDetected

Provides the issue that was detected in the specified segment.

Type: Array of IssueDetected objects

Required: No

Items

Contains words, phrases, or punctuation marks that are associated with the specified `UtteranceEvent`.

Type: Array of CallAnalyticsItem objects

Required: No

LanguageCode

The language code that represents the language spoken in your audio stream.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

Required: No

LanguageIdentification

The language code of the dominant language identified in your stream.

Type: Array of CallAnalyticsLanguageWithScore objects

Required: No

ParticipantRole

Provides the role of the speaker for each audio channel, either `CUSTOMER` or `AGENT`.

Type: String

Valid Values: `AGENT | CUSTOMER`

Required: No

Sentiment

Provides the sentiment that was detected in the specified segment.

Type: String

Valid Values: `POSITIVE | NEGATIVE | MIXED | NEUTRAL`

Required: No

Transcript

Contains transcribed text.

Type: String

Required: No

UtteranceId

The unique identifier that is associated with the specified `UtteranceEvent`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400