aws

API Reference

Amazon CloudWatch Omni



API Version 2025-01-01

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Amazon CloudWatch Omni: API Reference

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Welcome

CloudWatch Omni is an AI-powered observability experience in Amazon CloudWatch for your applications and AI agents — either alone, or together. You reach Omni through a dedicated URL for your organization and sign in with the identities you already manage; Omni is accessible outside of the AWS Management Console.

Your applications and your agents, together. Omni is built on OpenTelemetry. Telemetry you already send to CloudWatch appears in Omni with nothing to reconfigure, and any other workload you instrument with OpenTelemetry sends its telemetry to an OpenTelemetry Protocol (OTLP) endpoint. Work in the Omni web UI, or in the IDE extension for VS Code, Kiro, and Cursor while you develop AI agents.

Answers before you build a query. Omni discovers your services and their dependencies from your telemetry and reports the RED metrics — the request rate, errors, and duration — of each one, without manual configuration. Ask a question in plain language and Omni writes the query for you, in SQL or PromQL (Prometheus Query Language). The Omni agent is Omni's built-in AI assistant, and it answers those questions from your own telemetry. When an alert fires, you can start an investigation with the AWS DevOps Agent to find the root cause. Alerts reach your team in Slack, or any destination of your choice through Amazon Simple Notification Service (Amazon SNS).

Quality signals for agents, alongside the operational ones. Omni scores your agents' responses with evaluators — continuously in production, and on demand against a dataset. This catches the failure no error rate shows: an agent can return a well-formed response that is wrong. The scores appear alongside latency, errors, and token usage on the same trace. You can bring your own evaluators, including custom criteria scored by a judge model.

How CloudWatch Omni is organized

Three concepts determine where your telemetry lives and who can reach it.

- **Domain** — your organization's entry point. You choose a domain name during setup, and that name becomes your team's sign-in URL, in the format `https://<domain-name>.cloudwatch-omni.global.app.aws`. Setup also creates a domain ID, which identifies your domain at sign-in and in programmatic requests. Record both values. Your identity provider connects at the domain, not per space. See *Set up Omni*.
- **Space** — where you work. A space gives you access to telemetry from the account and Region in which the space is hosted, and controls who can see it. Because a space maps to one account

and Region, that boundary is what separates spaces, rather than a filter applied when you query. You create a space inside your domain, and one domain can contain multiple spaces. To observe multiple accounts or Regions, see *Set up a space*.

- **CloudWatch Dataset** — how Omni brings your telemetry together. A Dataset makes your logs, metrics, and traces queryable and correlated across signals in one place. Data ingestion and storage management remains via existing CloudWatch endpoints and resources (for example, log groups). Enabling Omni creates one Dataset for your space.

How Omni relates to CloudWatch

Omni is an interface and set of workflows built on Amazon CloudWatch. It is not a replacement, and enabling it does not change anything you already run.

- **Built on CloudWatch data.** Omni reads from the same CloudWatch data stores you use today. Your existing console pages, metrics, alarms, dashboards, Logs Insights queries, and APIs keep working unchanged.
- **No re-instrumentation.** Instrumentation you already run — the CloudWatch agent, OTLP pipelines, and AWS SDKs — keeps sending telemetry without changes, and that telemetry appears in Omni.
- **Centralization stays with CloudWatch.** Omni does not aggregate telemetry across accounts and Regions on its own. Telemetry you centralize with CloudWatch centralization rules appears in your space like any other telemetry. See *Set up a space*.

You continue to configure how telemetry is collected and stored — log groups, retention, and ingestion endpoints — in the CloudWatch console.

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Actions

The following actions are supported:

- CreateAccessGrant
- CreateAccessProfile
- CreateAlert
- CreateDomain
- CreateDomainAccessGrantForOrganization
- CreateDomainForOrganization
- CreateIntegration
- CreateOmniDashboard
- CreateOneTimeDeepLinkCode
- CreateSpace
- CreateView
- DeleteAccessGrant
- DeleteAccessProfile
- DeleteAlert
- DeleteDomain
- DeleteDomainAccessGrantForOrganization
- DeleteDomainForOrganization
- DeleteIntegration
- DeleteOmniDashboard
- DeleteSpace
- DeleteView
- GetAccessGrant
- GetAccessProfile
- GetAlert
- GetContextGraph
- GetDomain
- GetDomainAccessGrantForOrganization

- GetDomainForOrganization
- GetIntegration
- GetIntelligenceConfiguration
- GetOmniDashboard
- GetSpace
- GetSpaceCredentialsForOrganization
- GetTelemetryQueryResults
- GetView
- ListAccessGrants
- ListAccessProfiles
- ListAlerts
- ListDomainAccessGrantsForOrganization
- ListDomains
- ListIntegrations
- ListOmniDashboards
- ListSpaces
- ListSpacesForOrganization
- ListTelemetryFields
- ListTelemetryQuerySessions
- ListViews
- PutIntelligenceConfiguration
- SearchPrincipals
- StartTelemetryQuery
- StartTelemetryQuerySession
- StopTelemetryQuery
- StopTelemetryQuerySession
- UpdateAccessProfile
- UpdateAlert
- UpdateDomain
- UpdateDomainForOrganization

- UpdateIntegration
- UpdateOmniDashboard
- UpdateSpace
- UpdateView

CreateAccessGrant

Creates an AccessGrant that authorizes a principal to perform a set of actions on resources in a space.

Optionally narrow the grant with scoped actions that limit it to specific resources and fields. Use ListAccessGrants and GetAccessGrant to retrieve grants, and DeleteAccessGrant to remove them.

Request Parameters

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

domainId

The ID of the domain that contains the space.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

name

A name that identifies the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

permission

The permission to grant. Exactly one permission is granted per request.

Type: String

Valid Values: `SPACE_ADMIN | READ | READ_WRITE_DELETE | CUSTOM`

Required: Yes

principal

The principal receiving the grant.

Type: AccessGrantPrincipal object

Required: Yes

scopedActions

Groups of actions to allow, each with the resource scopes and conditions that limit those actions.

Type: Array of ScopedActions objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

spaceId

The ID of the space to scope the grant to.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

tags

The tags to associate with the access grant.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

accessGrant

The details of the created access grant.

Type: AccessGrant object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create an access grant

The following example creates a custom access grant that authorizes an Identity Center user to read and update a specific dashboard in a space. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "domainId": "d-1a2b3c4d5e",
  "name": "analyst-read-access",
  "permission": "CUSTOM",
  "principal": {
    "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
    "principalType": "IDC_USER"
  },
  "scopedActions": [
    {
      "actions": [
        "cloudwatch:GetOmniDashboard",
        "cloudwatch:UpdateOmniDashboard"
      ],
      "resources": [
        {
          "resourceArns": [
            "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f"
          ],
          "resourceType": "OmniDashboard"
        }
```

```
      ]
    }
  ],
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
  "tags": {
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "accessGrant": {
    "accountId": "123456789012",
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "domainId": "d-1a2b3c4d5e",
    "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:access-
grant/7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantType": "CUSTOMER_MANAGED",
    "name": "analyst-read-access",
    "permission": "CUSTOM",
    "principal": {
      "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
      "principalType": "IDC_USER"
    },
    "scopedActions": [
      {
        "actions": [
          "cloudwatch:GetOmniDashboard",
          "cloudwatch:UpdateOmniDashboard"
        ],
        "resources": [
          {
            "resourceArns": [
              "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f"
            ],
            "resourceType": "OmniDashboard"
          }
        ]
      }
```

```
    ],
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateAccessProfile

Creates an access profile in a space.

Use GetAccessProfile and ListAccessProfiles to retrieve profiles, and UpdateAccessProfile to modify one.

Request Parameters

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

description

An optional description of the access profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

name

A name that identifies the access profile.

Type: String

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

Pattern: `[a-zA-Z0-9 _.:/=+@-]+`

Required: Yes

spaceId

The unique ID of the space to create the profile in.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

tags

The tags to associate with the access profile.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

accessProfile

The access profile.

Type: AccessProfile object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create an access profile

The following example creates a customer-managed access profile in a space. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "description": "Read-only access for analysts.",
  "name": "Analyst read-only profile",
```

```
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
  "tags": {
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "accessProfile": {
    "arn": "arn:aws:cloudwatch:us-east-1:123456789012:access-profile/analyst-readonly",
    "assumeStatus": "ALLOWED",
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Read-only access for analysts.",
    "name": "Analyst read-only profile",
    "profileId": "analyst-readonly",
    "profileType": "CUSTOMER_MANAGED",
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateAlert

Creates a new alert within a space.

Use GetAlert and ListAlerts to retrieve alerts, UpdateAlert to modify one, and DeleteAlert to remove it.

Request Parameters

clientToken

Idempotency token for safe retries. Retrying with the same token within the idempotency window returns the original alert instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[\u0021-\u007E]+`

Required: No

description

An optional description of the alert.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

name

Alert name, for display. Max 256 (the AlarmName budget). Not the alert's identity: the backend mints a separate uuid as the `AlertId`, so the name need not be unique within a space and addressing an alert never depends on it. UpdateAlert accepts a new name to rename the alert.

Type: String

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: Yes

notificationRules

The notification rules that determine when and where notifications are sent.

Type: Array of NotificationRule objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

notificationsEnabled

Whether actions (notifications) are enabled for this alert. Defaults to true when omitted.

Type: Boolean

Required: No

profileId

The ID of the access profile the alert uses to evaluate its query and execute notifications. The caller supplies it: there is no managed alert profile, and the service does not pick one on the caller's behalf.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

rule

The rule that defines how the alert is evaluated.

Type: Rule object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

spaceId

The unique ID of the space to create the alert in.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

tags

The tags to associate with the alert.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following elements are returned by the service.

alert

The alert that was created. The same `Alert` shape GetAlert returns, so a caller need not read the alert back to learn its timestamps or its minted alert id.

`alert.state` is absent here — see the `state` member of `Alert`. Every other member is populated exactly as GetAlert populates it.

Type: Alert object

alertArn

Deprecated. Use `alert.alertArn`, which carries the same value. Kept so an existing caller keeps working while it moves to `alert`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create an alert on a field value

The following example creates an alert whose threshold is compared against a named field of each result row, so every service the query groups by is tracked as its own contributor. FIELD_VALUE requires thresholdField. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "description": "Alerts when a service logs more errors than its accepted rate.",
  "name": "service-error-count-elevated",
  "notificationRules": [
    {
      "target": {
        "arn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
        "metadata": {
          "channel": "oncall-alerts"
        },
        "type": "slack"
      },
      "trigger": {
        "stateValues": [
          "CRITICAL"
        ]
      }
    }
  ],
  "notificationsEnabled": true,
  "profileId": "analyst-readonly",
  "rule": {
    "telemetryRule": {
      "condition": {
        "comparator": "GT",
        "criticalThreshold": 200.0,
        "thresholdField": "error_count",
        "thresholdMode": "FIELD_VALUE",
        "warningThreshold": 50.0
      },
      "evaluation": {
```

```
        "intervalSeconds": 300,
        "pendingDurationSeconds": 600,
        "recoveryDurationSeconds": 300
      },
      "noData": {
        "treatAs": "NODATA"
      },
      "query": {
        "expression": "SELECT resource['attributes']['service.name'] AS service,
 COUNT(*) AS error_count FROM "logs.default" WHERE severityText = 'ERROR' GROUP BY
 service",
        "language": "SQL"
      }
    }
  },
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
  "tags": {
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "alert": {
    "accountId": "123456789012",
    "alertArn": "arn:aws:cloudwatch:us-east-1:123456789012:alert/
c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
    "alertId": "c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Alerts when a service logs more errors than its accepted rate.",
    "name": "service-error-count-elevated",
    "notificationRules": [
      {
        "target": {
          "arn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
          "metadata": {
            "channel": "oncall-alerts"
          },
          "type": "slack"
        },
        "trigger": {
```

```
          "stateValues": [
            "CRITICAL"
          ]
        }
      }
    ],
    "notificationStatus": "ENABLED",
    "profileId": "analyst-readonly",
    "rule": {
      "telemetryRule": {
        "condition": {
          "comparator": "GT",
          "criticalThreshold": 200.0,
          "thresholdField": "error_count",
          "thresholdMode": "FIELD_VALUE",
          "warningThreshold": 50.0
        },
        "evaluation": {
          "intervalSeconds": 300,
          "pendingDurationSeconds": 600,
          "recoveryDurationSeconds": 300
        },
        "noData": {
          "treatAs": "NODATA"
        },
        "query": {
          "expression": "SELECT resource['attributes']['service.name'] AS service,
 COUNT(*) AS error_count FROM "logs.default" WHERE severityText = 'ERROR' GROUP BY
 service",
          "language": "SQL"
        }
      }
    },
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

Create an alert on the number of matching rows

The following example creates an alert whose threshold is compared against how many rows the query returns, rather than a value within them. COUNT_OF_RESULTS takes no thresholdField. Notifications are created disabled, so the alert evaluates and records state without sending

anything, and an empty result set is treated as OK rather than as missing data. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "description": "Counts checkout responses that returned a server error.",
  "name": "service-checkout-5xx-responses",
  "notificationsEnabled": false,
  "profileId": "analyst-readonly",
  "rule": {
    "telemetryRule": {
      "condition": {
        "comparator": "GT",
        "criticalThreshold": 50.0,
        "thresholdMode": "COUNT_OF_RESULTS",
        "warningThreshold": 10.0
      },
      "evaluation": {
        "intervalSeconds": 60,
        "pendingDurationSeconds": 120
      },
      "noData": {
        "treatAs": "OK"
      },
      "query": {
        "expression": "SELECT * FROM "logs.default" WHERE resource['attributes']
['service.name'] = 'checkout' AND attributes['http.response.status_code'] >= 500",
        "language": "SQL"
      }
    }
  },
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "alert": {
    "accountId": "123456789012",
    "alertArn": "arn:aws:cloudwatch:us-east-1:123456789012:alert/
d4e5f6a78b9c4d0e9f1a2b3c4d5e6f70",
    "alertId": "d4e5f6a78b9c4d0e9f1a2b3c4d5e6f70",
```

```
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Counts checkout responses that returned a server error.",
    "name": "service-checkout-5xx-responses",
    "notificationStatus": "DISABLED",
    "profileId": "analyst-readonly",
    "rule": {
      "telemetryRule": {
        "condition": {
          "comparator": "GT",
          "criticalThreshold": 50.0,
          "thresholdMode": "COUNT_OF_RESULTS",
          "warningThreshold": 10.0
        },
        "evaluation": {
          "intervalSeconds": 60,
          "pendingDurationSeconds": 120
        },
        "noData": {
          "treatAs": "OK"
        },
        "query": {
          "expression": "SELECT * FROM "logs.default" WHERE resource['attributes']
['service.name'] = 'checkout' AND attributes['http.response.status_code'] >= 500",
          "language": "SQL"
        }
      }
    },
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```


Create an alert from a PromQL query

The following example creates an alert from a PromQL expression instead of SQL. A PromQL rule compares against the series value, which is carried as the `value` field, so the condition is FIELD_VALUE with thresholdField set to `value`. Notifications go to an Amazon SNS topic, whose ARN is the topic itself rather than an integration. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request


```
{
```

```
  "description": "Alerts on the checkout server error rate over a five-minute window.",
  "name": "checkout-error-rate-promql",
  "notificationRules": [
    {
      "target": {
        "arn": "arn:aws:sns:us-east-1:123456789012:checkout-oncall",
        "type": "sns"
      },
      "trigger": {
        "stateValues": [
          "WARNING",
          "CRITICAL"
        ]
      }
    }
  ],
  "profileId": "analyst-readonly",
  "rule": {
    "telemetryRule": {
      "condition": {
        "comparator": "GT",
        "criticalThreshold": 0.1,
        "thresholdField": "value",
        "thresholdMode": "FIELD_VALUE",
        "warningThreshold": 0.05
      },
      "evaluation": {
        "intervalSeconds": 300,
        "pendingDurationSeconds": 300
      },
      "noData": {
        "treatAs": "NODATA"
      },
      "query": {
        "expression": "sum by (service_name)
 (rate(http_server_errors_total{service_name="checkout"}[5m]))",
        "language": "PROMQL"
      }
    }
  },
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response


```
{
  "alert": {
    "accountId": "123456789012",
    "alertArn": "arn:aws:cloudwatch:us-east-1:123456789012:alert/
e5f6a78b9c0d4e1f8a2b3c4d5e6f7081",
    "alertId": "e5f6a78b9c0d4e1f8a2b3c4d5e6f7081",
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Alerts on the checkout server error rate over a five-minute
 window.",
    "name": "checkout-error-rate-promql",
    "notificationRules": [
      {
        "target": {
          "arn": "arn:aws:sns:us-east-1:123456789012:checkout-oncall",
          "type": "sns"
        },
        "trigger": {
          "stateValues": [
            "WARNING",
            "CRITICAL"
          ]
        }
      }
    ],
    "notificationStatus": "ENABLED",
    "profileId": "analyst-readonly",
    "rule": {
      "telemetryRule": {
        "condition": {
          "comparator": "GT",
          "criticalThreshold": 0.1,
          "thresholdField": "value",
          "thresholdMode": "FIELD_VALUE",
          "warningThreshold": 0.05
        },
        "evaluation": {
          "intervalSeconds": 300,
          "pendingDurationSeconds": 300
        },
        "noData": {
          "treatAs": "NODATA"
        },
```

```
        "query": {
          "expression": "sum by (service_name)
 (rate(http_server_errors_total{service_name="checkout"}[5m]))",
          "language": "PROMQL"
        }
      }
    },
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateDomain

Creates a domain with identity provider configuration.

Use GetDomain to retrieve the domain, UpdateDomain to change its configuration, and CreateSpace to add spaces within it.

Request Parameters

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

identityProviderConfiguration

Identity provider configuration for the domain.

Type: IdentityProviderConfiguration object

Required: No

identityProviders

The identity providers to configure for the domain.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `IAM | IDC`

Required: Yes

name

A name that identifies the domain. Must be 3-63 characters: lowercase letters, numbers, and hyphens. It must begin and end with a letter or number and cannot contain consecutive hyphens.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: Yes

tags

The tags to associate with the domain.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

domain

The details of the created domain.

Type: Domain object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create a domain

The following example creates an Identity Center domain and configures it with an Identity Center instance. The name must be 3-63 characters of lowercase letters, numbers, and hyphens, and the endpoint URLs are derived from it. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "identityProviderConfiguration": {
    "identityCenterConfiguration": {
      "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
    }
  },
  "identityProviders": [
    "IDC"
  ],
  "name": "prod-observability",
  "tags": {
```

```
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "domain": {
    "createdAt": "2026-09-16T14:22:31Z",
    "customEndpointUrls": [
      "https://prod-observability.cloudwatch-omni.global.app.aws"
    ],
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
    "domainEndpointUrl": "https://d-1a2b3c4d5e.cloudwatch-omni.global.app.aws",
    "domainId": "d-1a2b3c4d5e",
    "identityCenterApplicationArn": "arn:aws:sso::123456789012:application/
ssoins-1234567890abcdef/apl-0f9e8d7c6b5a4938",
    "identityProviderConfiguration": {
      "identityCenterConfiguration": {
        "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
      }
    },
    "identityProviders": [
      "IDC"
    ],
    "name": "prod-observability",
    "region": "us-east-1",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateDomainAccessGrantForOrganization

Creates an AccessGrant that authorizes a principal to administer an organization domain.

Request Parameters

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

domainId

The ID of the organization domain to create the grant on.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

name

A name that identifies the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

permission

The permission to grant.

Type: String

Valid Values: `ADMIN`

Required: Yes

principal

The principal receiving the grant.

Type: OrganizationAccessGrantPrincipal object

Required: Yes

tags

The tags to associate with the access grant.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

accessGrant

The details of the created organization access grant.

Type: OrganizationAccessGrant object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create an organization domain access grant

The following example grants an Identity Center user administrative access to an organization domain. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "domainId": "d-1a2b3c4d5e",
```

```
  "name": "org-domain-admin",
  "permission": "ADMIN",
  "principal": {
    "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
    "principalType": "IDC_USER"
  },
  "tags": {
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "accessGrant": {
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "domainId": "d-1a2b3c4d5e",
    "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-access-
grant/7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantType": "CUSTOMER_MANAGED",
    "name": "org-domain-admin",
    "permission": "ADMIN",
    "principal": {
      "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
      "principalType": "IDC_USER"
    },
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateDomainForOrganization

Creates an organization-scoped domain for the caller's AWS Organization. Only the organization's management account can call this operation.

Request Parameters

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

domainAccessRoleArn

The ARN of an IAM role in the management account used for domain access. You must create this role, and its trust policy must allow the service principal to assume it.

Type: String

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

Pattern: `arn:aws[a-zA-Z-]*:iam::[0-9]{12}:role/.+`

Required: Yes

identityProviderConfiguration

Identity provider configuration for the domain.

Type: IdentityProviderConfiguration object

Required: No

identityProviders

The identity providers to configure for the domain.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `IAM | IDC`

Required: Yes

name

A name that identifies the organization domain. Must be 3-63 characters: lowercase letters, numbers, and hyphens. It must begin and end with a letter or number and cannot contain consecutive hyphens.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: Yes

tags

The tags to associate with the domain.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

organizationDomain

The details of the created organization domain.

Type: OrganizationDomain object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create an organization domain

The following example creates an organization-scoped domain from the organization's management account, configures it with an Identity Center instance, and supplies an IAM role in the management account for domain access. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "domainAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchOrganizationDomainAccessRole",
  "identityProviderConfiguration": {
    "identityCenterConfiguration": {
      "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
    }
  },
  "identityProviders": [
    "IDC"
  ],
  "name": "prod-observability-org",
  "tags": {
    "Team": "observability"
  }
```

```
}
```

Sample Response

```
{
  "organizationDomain": {
    "createdAt": "2026-09-16T14:22:31Z",
    "customEndpointUrls": [
      "https://prod-observability-org.cloudwatch-omni.global.app.aws"
    ],
    "domainAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchOrganizationDomainAccessRole",
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-domain/
d-9z8y7x6w5v",
    "domainEndpointUrl": "https://d-9z8y7x6w5v.cloudwatch-omni.global.app.aws",
    "domainId": "d-9z8y7x6w5v",
    "identityCenterApplicationArn": "arn:aws:sso::123456789012:application/
ssoins-1234567890abcdef/apl-0f9e8d7c6b5a4938",
    "identityProviderConfiguration": {
      "identityCenterConfiguration": {
        "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
      }
    },
    "identityProviders": [
      "IDC"
    ],
    "name": "prod-observability-org",
    "organizationId": "o-a1b2c3d4e5",
    "ownerAccountId": "123456789012",
    "region": "us-east-1",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateIntegration

Creates an integration with a third-party provider. Returns the integration identifier and its initial status; when the provider requires interactive consent, an authorization URL is returned for the user to complete setup.

Request Parameters

clientToken

Idempotency token for safe retries. Retrying with the same token returns the original integration instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

credential

The credential used to authenticate with the third-party provider.

Type: IntegrationCredential object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

integrationAttributes

Provider-specific attributes to associate with the integration.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 0. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

integrationType

The type of third-party provider to integrate with.

Type: String

Valid Values: `AWS_CONFIG_SLREC | SLACK | EXTERNAL_AGENT | AWS_INTEGRATION`

Required: Yes

name

The name for the new integration; unique within the account.

Type: String

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

Required: Yes

roleArn

The Amazon Resource Name of the IAM role assumed to access the integration.

Type: String

Required: No

tags

Tags to apply to the integration at creation time (Tagris tag-on-create).

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

integration

The details of the created integration. This is the same object returned by GetIntegration and UpdateIntegration.

Type: Integration object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create an AWS integration

The following example creates an AWS_INTEGRATION named my-aws-integration, authorized by an IAM role. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "b3f8c7d6-5b4a-4c3d-9e2f-1a0b2c3d4e5f",
  "integrationType": "AWS_INTEGRATION",
  "name": "my-aws-integration",
  "roleArn": "arn:aws:iam::123456789012:role/service-role/CloudWatchIntegrationRole"
}
```

Sample Response

```
{
  "integration": {
    "createdAt": "2026-09-16T00:03:00Z",
    "integrationArn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "integrationType": "AWS_INTEGRATION",
    "name": "my-aws-integration",
    "roleArn": "arn:aws:iam::123456789012:role/service-role/CloudWatchIntegrationRole",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T00:03:00Z"
  }
}
```

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

CreateOmniDashboard

Creates a new dashboard within a space.

Use GetOmniDashboard and ListOmniDashboards to retrieve dashboards, UpdateOmniDashboard to modify one, and DeleteOmniDashboard to remove it.

Request Parameters

body

The dashboard definition, as a JSON document. Maximum 1 MiB.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1048576.

Required: Yes

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

description

An optional description of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

name

A name that identifies the dashboard.

Type: String

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: Yes

spaceId

The unique ID of the space to create the dashboard in.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

tags

The tags to associate with the dashboard.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

omniDashboard

The dashboard.

Type: OmniDashboard object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create a dashboard

The following example creates a dashboard in a space from a JSON dashboard definition. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
```

```
  "body": "{"widgets":[{"type":"metric","x":0,"y":0,"width":12,"height":6,"properties":
{"metrics":[["AWS/Lambda","Errors","FunctionName","OrderProcessor"]],"region":"us-
east-1","title":"Lambda Errors"}}]}",
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "description": "Overview of service health metrics.",
  "name": "service-health-overview",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
  "tags": {
    "Team": "observability"
  }
}
```


Sample Response


```
{
  "omniDashboard": {
    "arn": "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
    "body": "{"widgets":
[{"type":"metric","x":0,"y":0,"width":12,"height":6,"properties":{"metrics":[["AWS/
Lambda","Errors","FunctionName","OrderProcessor"]],"region":"us-east-1","title":"Lambda
 Errors"}}]}",
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
    "description": "Overview of service health metrics.",
    "name": "service-health-overview",
    "tags": {
      "Team": "observability"
    },
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```


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

CreateOneTimeDeepLinkCode

Generates a one-time code for deep-link authentication.

Direct the user's browser to the returned deepLinkUrl before it expires. The code is exchanged for an authenticated, domain-scoped session and can be used only once.

Request Parameters

domainId

The ID of the domain to generate the code for.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

redirectUrl

The URL to redirect to after the deep-link code is used. Must be an HTTPS URL in the domain with a path of /auth/callback, and cannot include a query string or fragment. If omitted, no redirect is applied.

Type: String

Required: No

ttlSeconds

How long the code remains valid, in seconds. Defaults to 300.

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 600.

Required: No

Response Elements

The following elements are returned by the service.

code

The one-time deep-link code.

Type: String

deepLinkUrl

The deep-link URL containing the one-time code.

Type: String

expiresAt

The timestamp when the code expires.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create a one-time deep-link code

The following example creates a one-time deep-link code for a domain that remains valid for 300 seconds and, once used, redirects the browser to the domain's /auth/callback path. Direct the user's browser to the returned deepLinkUrl before it expires; the code can be used only once. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e",
  "redirectUrl": "https://d-1a2b3c4d5e.cloudwatch-omni.global.app.aws/auth/callback",
  "ttlSeconds": 300
```

```
}
```

Sample Response

```
{
  "code": "dlc-EXAMPLE1234567890",
  "deepLinkUrl": "https://d-1a2b3c4d5e.cloudwatch-omni.global.app.aws/deeplink?
code=EXAMPLE1234567890",
  "expiresAt": "2026-09-16T14:27:31Z"
}
```

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

CreateSpace

Creates a space in a domain.

Use GetSpace to retrieve the space, ListSpaces to enumerate spaces, UpdateSpace to modify it, and DeleteSpace to remove it.

Request Parameters

agentCoreEvaluationRoleArn

The ARN of the IAM role used by AgentCore online evaluation. Must be in the caller's account. Omit if the space does not use AgentCore online evaluation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

clientToken

Idempotency token for safe retries. Repeated requests with the same token return the original result instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

dataAccessRoleArn

The ARN of the IAM role used for data access. The role must be in the caller's account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

domainId

The ID of the domain to create the space in.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

encryptionConfiguration

How to encrypt the space's data at rest. Omit for service owned encryption, which is equivalent to passing `encryptionStrategy` AWS_OWNED.

Type: EncryptionConfiguration object

Required: No

name

A name that identifies the space. Must be 3-64 characters: lowercase letters, numbers, and hyphens. It must begin and end with a letter or number and cannot contain consecutive hyphens.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: Yes

tags

The tags to associate with the space.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following element is returned by the service.

space

The details of the created space.

Type: Space object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create a space

The following example creates a space in a domain and encrypts its data at rest with a customer managed KMS key. The name must be 3-64 characters of lowercase letters, numbers, and hyphens. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "agentCoreEvaluationRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchAgentCoreEvaluationRole",
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "dataAccessRoleArn": "arn:aws:iam::123456789012:role/CloudWatchSpaceDataAccessRole",
  "domainId": "d-1a2b3c4d5e",
  "encryptionConfiguration": {
    "encryptionStrategy": "CUSTOMER_MANAGED",
    "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
  },
  "name": "prod-observability",
  "tags": {
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "space": {
    "agentCoreEvaluationRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchAgentCoreEvaluationRole",
    "createdAt": "2026-09-16T14:22:31Z",
    "dataAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchSpaceDataAccessRole",
```

```
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
    "encryptionConfiguration": {
      "encryptionStrategy": "CUSTOMER_MANAGED",
      "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
    },
    "name": "prod-observability",
    "ownerAccountId": "123456789012",
    "region": "us-east-1",
    "spaceArn": "arn:aws:cloudwatch:us-east-1:123456789012:space/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

CreateView

Creates a new SQL view.

A view is a named, reusable SQL query that can be referenced from telemetry queries. View names must be unique within the account and region. Only USER views can be created — MANAGED views are provisioned by AWS.

Request Parameters

clientToken

Idempotency token for safe retries. Retrying with the same token returns the original view instead of creating a duplicate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

definition

The SQL query that defines the view.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: Yes

description

A description of the view.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

name

The name of the view. Must begin with the "view." prefix. View names must be unique within the account and region.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 256.

Pattern: `view\.[a-z0-9][a-z0-9_-]{0,250}`

Required: Yes

tags

Resource tags.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Elements

The following elements are returned by the service.

arn

The ARN of the view.

Type: String

createdAt

The timestamp when the view was created.

Type: Timestamp

definition

The SQL query that defines the view.

Type: String

description

The description of the view.

Type: String

name

The name of the view.

Type: String

type

The ownership category of the view.

Type: String

Valid Values: `USER | MANAGED`

updatedAt

The timestamp when the view was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Create a view

The following example creates a user view that saves an error-count-by-service query. View names must begin with the view. prefix and be unique within the account and Region. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "3f2a9c1e-7b04-4d8a-9e15-6c2b8d0f4a73",
  "definition": "SELECT resource['attributes']['service.name'] AS service, COUNT(*) AS
 error_count FROM "logs.default" WHERE severityText = 'ERROR' GROUP BY service",
  "description": "Error counts by service",
  "name": "view.service_errors",
  "tags": {
    "Team": "observability"
  }
}
```

Sample Response

```
{
  "arn": "arn:aws:cloudwatch:us-east-1:123456789012:view/view.service_errors",
  "createdAt": "2026-09-16T14:22:31Z",
  "definition": "SELECT resource['attributes']['service.name'] AS service, COUNT(*) AS
 error_count FROM "logs.default" WHERE severityText = 'ERROR' GROUP BY service",
  "description": "Error counts by service",
  "name": "view.service_errors",
  "type": "USER",
  "updatedAt": "2026-09-16T14:22:31Z"
}
```

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

DeleteAccessGrant

Removes an existing AccessGrant, revoking the access it granted.

A service-managed grant cannot be deleted.

Request Parameters

grantId

The ID of the access grant to delete.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete an access grant

The following example deletes an access grant by ID, revoking the access it granted. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d"
}
```

Sample Response

```
{}
```

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

DeleteAccessProfile

Removes an access profile.

An access profile cannot be deleted while access grants reference it.

Request Parameters

profileId

The unique ID of the access profile to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete an access profile

The following example deletes an access profile from a space. An access profile cannot be deleted while access grants reference it. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "profileId": "analyst-readonly",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{}
```

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

DeleteAlert

Deletes an alert by its identifier.

Idempotent: deleting an alert that has already been removed succeeds without error.

Request Parameters

alertId

The alert to delete.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[0-9a-f]{32}`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete an alert

The following example removes an alert from a space. Deleting an alert that has already been removed succeeds without error. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "alertId": "c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{}
```

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

DeleteDomain

Removes a domain and all of its resources. Call this operation in the Region where the domain was created.

A domain cannot be deleted while it contains spaces.

Request Parameters

domainId

The unique ID of the domain to delete.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete a domain

The following example deletes a domain in the Region where it was created. The domain must not contain any spaces. A successful response returns an empty body. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e"
}
```

Sample Response

```
{}
```

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

DeleteDomainAccessGrantForOrganization

Removes an existing organization access grant, revoking the access it granted.

A service-managed grant cannot be deleted.

Request Parameters

grantId

The ID of the access grant to delete.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete an organization domain access grant

The following example deletes an organization domain access grant by ID, revoking the access it granted. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d"
}
```

Sample Response

```
{}
```

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

DeleteDomainForOrganization

Removes an organization domain and all of its resources. Call this operation in the Region where the domain was created.

A domain cannot be deleted while it contains spaces.

Request Parameters

domainId

The ID of the organization domain to delete.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete an organization domain

The following example deletes an organization domain in the Region where it was created. The domain must not contain any spaces. A successful response returns an empty body. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-9z8y7x6w5v"
}
```

Sample Response

```
{}
```

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

DeleteIntegration

Deletes an integration. Returns the resulting status.

Request Parameters

identifier

Identifies the integration to delete — exactly one of integrationId, integrationArn, or integrationName.

Type: IntegrationIdentifier object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete an integration by id

The following example deletes the integration identified by its id. DeleteIntegration is idempotent and returns an empty response. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "identifier": {
    "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
  }
}
```

Sample Response

```
{}
```

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

DeleteOmniDashboard

Removes a dashboard from a space.

Request Parameters

dashboardId

The unique ID of the dashboard.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete a dashboard

The following example removes a dashboard from a space. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{}
```

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

DeleteSpace

Removes a space and all of its resources.

Request Parameters

spaceId

The unique ID of the space to delete.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete a space

The following example removes a space and all of its resources. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
```

```
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{}
```

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

DeleteView

Deletes the specified view.

Queries that reference the view fail after it is deleted. Managed views cannot be deleted.

Request Parameters

name

The name of the view to delete.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 256.

Pattern: `view\.[a-z0-9][a-z0-9_-]{0,250}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Delete a view

The following example deletes a view. The response body is empty. Queries that reference the view fail after it is deleted. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "name": "view.service_errors"
```

```
}
```

Sample Response

```
{}
```

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

GetAccessGrant

Retrieves the full detail of a single AccessGrant by ID.

Request Parameters

grantId

The ID of the access grant to retrieve.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

accessGrant

The full details of the access grant.

Type: AccessGrant object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get an access grant

The following example retrieves the full detail of a single access grant by ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d"
}
```

Sample Response

```
{
  "accessGrant": {
    "accountId": "123456789012",
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "domainId": "d-1a2b3c4d5e",
    "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:access-
grant/7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantType": "CUSTOMER_MANAGED",
    "name": "analyst-read-access",
    "permission": "CUSTOM",
    "principal": {
      "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
      "principalType": "IDC_USER"
    },
    "scopedActions": [
      {
        "actions": [
          "cloudwatch:GetOmniDashboard",
          "cloudwatch:UpdateOmniDashboard"
        ],
        "resources": [
          {
            "resourceArns": [
              "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f"
            ],
            "resourceType": "OmniDashboard"
          }
        ]
      }
    ],
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
```

```
    }
}
```

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

GetAccessProfile

Retrieves an access profile by ID.

The response indicates whether the calling principal is currently allowed to assume the profile.

Request Parameters

profileId

The unique ID of the access profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

accessProfile

The access profile.

Type: AccessProfile object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get an access profile

The following example retrieves an access profile by ID, including whether the calling principal is currently allowed to assume it. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "profileId": "analyst-readonly",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "accessProfile": {
    "arn": "arn:aws:cloudwatch:us-east-1:123456789012:access-profile/analyst-readonly",
    "assumeStatus": "ALLOWED",
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Read-only access for analysts.",
    "name": "Analyst read-only profile",
    "profileId": "analyst-readonly",
    "profileType": "CUSTOMER_MANAGED",
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

GetAlert

Retrieves a single alert by its identifier.

Use ListAlerts to enumerate alerts in the space.

Request Parameters

alertId

The alert to retrieve.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[0-9a-f]{32}`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

alert

The full alert entity.

Type: Alert object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Retrieve an alert

The following example retrieves an alert by its identifier, including the live evaluation state that CreateAlert does not report. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "alertId": "c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "alert": {
    "accountId": "123456789012",
    "alertArn": "arn:aws:cloudwatch:us-east-1:123456789012:alert/
c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
    "alertId": "c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Alerts when a service logs more errors than its accepted rate.",
    "name": "service-error-count-elevated",
    "notificationRules": [
      {
        "target": {
          "arn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
          "metadata": {
            "channel": "oncall-alerts"
          },
          "type": "slack"
        },
        "trigger": {
          "stateValues": [
            "CRITICAL"
          ]
        }
```

```
      }
    ],
    "notificationStatus": "ENABLED",
    "profileId": "analyst-readonly",
    "rule": {
      "telemetryRule": {
        "condition": {
          "comparator": "GT",
          "criticalThreshold": 200.0,
          "thresholdField": "error_count",
          "thresholdMode": "FIELD_VALUE",
          "warningThreshold": 50.0
        },
        "evaluation": {
          "intervalSeconds": 300,
          "pendingDurationSeconds": 600,
          "recoveryDurationSeconds": 300
        },
        "noData": {
          "treatAs": "NODATA"
        },
        "query": {
          "expression": "SELECT resource['attributes']['service.name'] AS service,
 COUNT(*) AS error_count FROM "logs.default" WHERE severityText = 'ERROR' GROUP BY
 service",
          "language": "SQL"
        }
      }
    },
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "state": {
      "contributorSummary": {
        "criticalCount": 1,
        "warningCount": 3
      },
      "transitionedAt": "2026-09-17T09:11:52Z",
      "value": "CRITICAL"
    },
    "updatedAt": "2026-09-17T09:11:52Z"
  }
}
```

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

GetContextGraph

Queries the context graph with filtering, traversal, and pagination support.

Pagination note: nodes and edges are returned together as a coherent subgraph. Pagination cursors advance over nodes (the primary collection); each page includes all edges connecting nodes within that page. Callers should treat nodes as the paginated collection and edges as supplementary relationship data attached to those nodes.

Request Parameters

depth

How many hops to traverse out from the nodes matched by nodeFilters. 0 returns only the matched nodes themselves.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 3.

Required: No

edgeFilters

Criteria restricting which edges are returned.

Type: EdgeFilters object

Required: No

endTime

End of the time range (UTC), inclusive.

Type: Timestamp

Required: Yes

includeMetadata

Whether to return the metadata block, semantics included, on each node and edge. Off by default because it costs an extra lookup per returned node.

Type: Boolean

Required: No

maxEdgesPerNode

The maximum number of edges to return per node, bounding the fan-out of a densely connected node.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

maxResults

The maximum number of nodes to return in a single page.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

nextToken

Pagination token from a previous response, to retrieve the next page.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

nodeFilters

Criteria restricting which nodes are returned.

Type: NodeFilters object

Required: No

startTime

Start of the time range (UTC), inclusive.

Type: Timestamp

Required: Yes

Response Elements

The following elements are returned by the service.

nextToken

Pagination token for the next page; absent when there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

nodes

The page of nodes matching the request. This is the paginated collection.

Type: Array of Node objects

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Query a service and its immediate dependencies

The following example returns context graph nodes matching the filter and traverses one hop out to their direct dependencies, over a one-hour window. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "depth": 1,
  "endTime": "2026-09-16T01:00:00Z",
  "includeMetadata": false,
  "maxResults": 100,
  "nodeFilters": {
    "namespace": [
      "ecommerce"
    ],
    "nodeType": "SERVICE"
  },
  "startTime": "2026-09-16T00:00:00Z"
}
```

Sample Response


```
{
  "nextToken": "eyJvZmZzZXQiOjEwMH0=",
  "nodes": [
    {
      "edges": [
        {
          "edgeId": "edge:checkout-service->payments-service",
          "edgeType": "CALLS",
          "firstObservedAt": "2026-09-16T00:03:00Z",
          "from": "svc:checkout-service",
          "lastObservedAt": "2026-09-16T00:58:00Z",
          "operations": [
            "POST /charges"
          ],
          "signalTypes": [
            "TRACES"
          ],
          "sources": [
            "TELEMETRY"
          ],
          "to": "svc:payments-service"
        }
      ],
      "firstObservedAt": "2026-09-16T00:03:00Z",
      "lastObservedAt": "2026-09-16T00:58:00Z",
      "name": "checkout-service",
      "nodeId": "svc:checkout-service",
      "nodeProperties": {
        "cloudProvider": "aws",
        "namespace": "ecommerce",
        "region": "us-east-1",
        "sourceAccountId": "123456789012"
      },
      "nodeType": "SERVICE",
      "signalTypes": [
        "TRACES"
      ],
      "sources": [
        "TELEMETRY"
      ]
    },
    {
```

```
      "firstObservedAt": "2026-09-16T00:01:00Z",
      "lastObservedAt": "2026-09-16T00:59:00Z",
      "name": "payments-service",
      "nodeId": "svc:payments-service",
      "nodeProperties": {
        "cloudProvider": "aws",
        "namespace": "ecommerce",
        "region": "us-east-1",
        "sourceAccountId": "123456789012"
      },
      "nodeType": "SERVICE",
      "signalTypes": [
        "TRACES"
      ],
      "sources": [
        "TELEMETRY"
      ]
    }
  ]
}
```


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

GetDomain

Retrieves the details of a domain by ID.

Request Parameters

domainId

The unique ID of the domain.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

Response Elements

The following element is returned by the service.

domain

The details of the domain.

Type: Domain object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get a domain

The following example retrieves the configuration and status of an Identity Center domain by its ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e"
}
```

Sample Response

```
{
  "domain": {
    "createdAt": "2026-09-16T14:22:31Z",
    "customEndpointUrls": [
      "https://prod-observability.cloudwatch-omni.global.app.aws"
    ],
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
    "domainEndpointUrl": "https://d-1a2b3c4d5e.cloudwatch-omni.global.app.aws",
    "domainId": "d-1a2b3c4d5e",
    "identityCenterApplicationArn": "arn:aws:sso::123456789012:application/
ssoins-1234567890abcdef/apl-0f9e8d7c6b5a4938",
    "identityProviderConfiguration": {
      "identityCenterConfiguration": {
        "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
      }
    },
    "identityProviders": [
      "IDC"
    ],
    "name": "prod-observability",
    "region": "us-east-1",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

GetDomainAccessGrantForOrganization

Retrieves the full detail of a single organization access grant by ID.

Request Parameters

grantId

The ID of the access grant to retrieve.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

accessGrant

The retrieved organization access grant.

Type: OrganizationAccessGrant object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get an organization domain access grant

The following example retrieves the full detail of a single organization domain access grant by ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d"
}
```

Sample Response

```
{
  "accessGrant": {
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "domainId": "d-1a2b3c4d5e",
    "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-access-
grant/7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
    "grantType": "CUSTOMER_MANAGED",
    "name": "org-domain-admin",
    "permission": "ADMIN",
    "principal": {
      "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
      "principalType": "IDC_USER"
    },
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

GetDomainForOrganization

Retrieves the details of an organization domain by ID.

Request Parameters

domainId

The ID of the organization domain.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

Response Elements

The following element is returned by the service.

organizationDomain

The details of the organization domain.

Type: OrganizationDomain object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get an organization domain

The following example retrieves the configuration and status of an organization-scoped domain by its ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-9z8y7x6w5v"
}
```

Sample Response

```
{
  "organizationDomain": {
    "createdAt": "2026-09-16T14:22:31Z",
    "customEndpointUrls": [
      "https://prod-observability-org.cloudwatch-omni.global.app.aws"
    ],
    "domainAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchOrganizationDomainAccessRole",
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-domain/
d-9z8y7x6w5v",
    "domainEndpointUrl": "https://d-9z8y7x6w5v.cloudwatch-omni.global.app.aws",
    "domainId": "d-9z8y7x6w5v",
    "identityCenterApplicationArn": "arn:aws:sso::123456789012:application/
ssoins-1234567890abcdef/apl-0f9e8d7c6b5a4938",
    "identityProviderConfiguration": {
      "identityCenterConfiguration": {
        "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
      }
    },
    "identityProviders": [
      "IDC"
    ],
    "name": "prod-observability-org",
    "organizationId": "o-a1b2c3d4e5",
    "ownerAccountId": "123456789012",
    "region": "us-east-1",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

GetIntegration

Returns the details of a single integration, identified by its identifier, Amazon Resource Name, or name.

Request Parameters

identifier

Identifies the integration to return — exactly one of integrationId, integrationArn, or integrationName.

Type: IntegrationIdentifier object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Elements

The following element is returned by the service.

integration

The details of the requested integration.

Type: Integration object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get an integration by id

The following example returns the integration with the given id. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "identifier": {
    "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
  }
}
```

Sample Response

```
{
  "integration": {
    "createdAt": "2026-09-16T00:03:00Z",
    "integrationArn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "integrationType": "AWS_INTEGRATION",
    "name": "my-aws-integration",
    "roleArn": "arn:aws:iam::123456789012:role/service-role/CloudWatchIntegrationRole",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T00:03:00Z"
  }
}
```

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

GetIntelligenceConfiguration

Retrieves the intelligence configuration for the calling account. Account is identified via FAS (caller identity). Returns the default configuration if none exists yet.

Response Elements

The following elements are returned by the service.

accountId

The AWS account ID this configuration applies to.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

createdAt

ISO-8601 timestamp of initial creation.

Type: Timestamp

kmsKeyArn

The currently active KMS key ARN for customer-managed encryption, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:(aws|aws-cn|aws-us-gov):kms:[a-z0-9-]+:[0-9]{12}:key/(?:mrk-)?[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

updatedAt

ISO-8601 timestamp of the last update.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Retrieve the intelligence configuration

The following example retrieves the intelligence configuration for the calling account. The request carries no parameters; the account is taken from the caller identity. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{}
```

Sample Response

```
{
  "accountId": "123456789012",
  "createdAt": "2026-01-15T08:30:00Z",
  "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
  "updatedAt": "2026-09-16T12:00:00Z"
}
```

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

GetOmniDashboard

Retrieves a dashboard by ID within a space.

Request Parameters

dashboardId

The unique ID of the dashboard.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

omniDashboard

The dashboard.

Type: OmniDashboard object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get a dashboard

The following example retrieves a dashboard by ID within a space, including its full body. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "omniDashboard": {
    "arn": "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
    "body": "{"widgets":
[{"type":"metric","x":0,"y":0,"width":12,"height":6,"properties":{"metrics":[["AWS/
Lambda","Errors","FunctionName","OrderProcessor"]],"region":"us-east-1","title":"Lambda
 Errors"}}]}",
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
    "description": "Overview of service health metrics.",
    "name": "service-health-overview",
    "tags": {
      "Team": "observability"
    },
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

GetSpace

Retrieves the details of a space by ID.

Request Parameters

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

space

The details of the space.

Type: Space object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get a space

The following example retrieves the details of a space by ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "space": {
    "agentCoreEvaluationRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchAgentCoreEvaluationRole",
    "createdAt": "2026-09-16T14:22:31Z",
    "dataAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchSpaceDataAccessRole",
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
    "encryptionConfiguration": {
      "encryptionStrategy": "CUSTOMER_MANAGED",
      "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
    },
    "name": "prod-observability",
    "ownerAccountId": "123456789012",
    "region": "us-east-1",
    "spaceArn": "arn:aws:cloudwatch:us-east-1:123456789012:space/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T14:22:31Z"
  }
}
```

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

GetSpaceCredentialsForOrganization

Returns temporary credentials for a space in an organization member account. The credentials are valid for one hour.

The caller must be the organization's management account or a delegated administrator with access to the target space. The target account must be an active member of the same organization as the domain, and the space must already exist.

Request Parameters

context

Context for credential resolution.

Type: SpaceCredentialRequestContext object

Required: Yes

credentialType

Selects which member-account credential to return. Set this to SPACE_OPERATION.

Type: String

Valid Values: `SPACE_OPERATION`

Required: Yes

Response Elements

The following element is returned by the service.

credentials

The temporary AWS credentials for the space.

Type: AwsCredentials object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get space credentials for an organization member account

The following example returns temporary, space-scoped AWS credentials for an existing space in an organization member account, selected by spaceId. The credentials are valid for one hour, as reflected by the expiration timestamp. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "context": {
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
  },
  "credentialType": "SPACE_OPERATION"
}
```

Sample Response

```
{
  "credentials": {
    "accessKeyId": "ASIAIOSFODNN7EXAMPLE",
    "expiration": "2026-09-16T15:22:31Z",
    "secretAccessKey": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
    "sessionToken": "IQoJb3JpZ2luX2VjEXAMPLESESSIONTOKEN1234567890"
  }
}
```

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

GetTelemetryQueryResults

Returns the results for the specified query.

Request Parameters

maxResults

The maximum number of result rows to return per page.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

nextToken

A token to retrieve the next page of results.

Type: String

Required: No

queryId

The unique ID of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Required: Yes

Response Elements

The following elements are returned by the service.

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

rows

The result rows returned by the query.

Type: Array of string to string maps

statistics

Statistics about the query execution.

Type: QueryStatistics object

status

The current execution status of the query.

Type: String

Valid Values: `Running | Failed | Complete | Cancelled`

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get telemetry query results

The following example retrieves a page of results for a completed query, along with execution statistics. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "maxResults": 100,
```

```
  "queryId": "3b2a1c0d-7e6f-4a5b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "rows": [
    {
      "error_count": "42",
      "service.name": "checkout-service"
    },
    {
      "error_count": "7",
      "service.name": "payments-service"
    }
  ],
  "statistics": {
    "bytesScanned": 1048576.0,
    "partialResults": {
      "partialResultsDetected": false
    },
    "percentComplete": 100,
    "recordsMatched": 49,
    "recordsScanned": 20000
  },
  "status": "Complete"
}
```

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

GetView

Returns the definition and metadata of the specified view.

Request Parameters

name

The name of the view.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 256.

Pattern: `view\.[a-z0-9][a-z0-9_-]{0,250}`

Required: Yes

Response Elements

The following elements are returned by the service.

arn

The ARN of the view.

Type: String

createdAt

The timestamp when the view was created.

Type: Timestamp

definition

The SQL query that defines the view.

Type: String

description

The description of the view.

Type: String

name

The name of the view.

Type: String

type

The ownership category of the view.

Type: String

Valid Values: `USER | MANAGED`

updatedAt

The timestamp when the view was last updated.

Type: Timestamp

Errors

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

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Get a view

The following example returns the definition and metadata of a view. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "name": "view.service_errors"
}
```

Sample Response

```
{
  "arn": "arn:aws:cloudwatch:us-east-1:123456789012:view/view.service_errors",
  "createdAt": "2026-09-16T14:22:31Z",
```

```
  "definition": "SELECT resource['attributes']['service.name'] AS service, COUNT(*) AS
 error_count FROM "logs.default" WHERE severityText = 'ERROR' GROUP BY service",
  "description": "Error counts by service",
  "name": "view.service_errors",
  "type": "USER",
  "updatedAt": "2026-09-16T14:22:31Z"
}
```


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

ListAccessGrants

Returns AccessGrants, with optional filtering by domain, space, principal, or permission. A grant is returned only when it matches every filter supplied. With no filters, returns the grants for the current account and Region.

Request Parameters

domainId

Filter by domain ID.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: No

maxResults

The maximum number of access grants to return per page. Defaults to 100. A page can contain fewer results than this value even when more results remain; continue while nextToken is present.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results. Supply the same filters used on the request that returned it. Tokens expire after 24 hours.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

permission

Filter by permission level.

Type: String

Valid Values: `SPACE_ADMIN | READ | READ_WRITE_DELETE | CUSTOM`

Required: No

principalId

Filter by principal ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9:/_+=,.@-]*`

Required: No

principalType

Filter by principal type.

Type: String

Valid Values: `IDC_USER | IDC_GROUP | IAM_USER | IAM_ROLE | IAM_ROOT | ACCESS_PROFILE | ALERT | AGENT`

Required: No

spaceId

Filter by space ID.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: No

Response Elements

The following elements are returned by the service.

items

The list of access grant summaries.

Type: Array of AccessGrantSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List access grants in a space

The following example lists the first page of access grants in a space and returns a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e",
  "maxResults": 50,
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "items": [
    {
      "domainId": "d-1a2b3c4d5e",
      "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:access-
grant/7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
      "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
```

```
      "grantType": "CUSTOMER_MANAGED",
      "name": "analyst-read-access",
      "permission": "CUSTOM",
      "principal": {
        "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
        "principalType": "IDC_USER"
      },
      "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
    },
    {
      "domainId": "d-1a2b3c4d5e",
      "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:access-
grant/8a1b2c3d-4e5f-4a6b-8c7d-9e0f1a2b3c4d",
      "grantId": "8a1b2c3d-4e5f-4a6b-8c7d-9e0f1a2b3c4d",
      "grantType": "CUSTOMER_MANAGED",
      "name": "oncall-read-write",
      "permission": "READ_WRITE_DELETE",
      "principal": {
        "principalId": "2f5a8c1b-6d3e-4f7a-8b9c-0d1e2f3a4b5c",
        "principalType": "IDC_GROUP"
      },
      "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```


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

ListAccessProfiles

Returns the access profiles in a space.

Request Parameters

maxResults

The maximum number of access profiles to return per page. Defaults to 100.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following elements are returned by the service.

items

The list of access profile summaries.

Type: Array of AccessProfileSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List access profiles in a space

The following example lists the first page of access profiles in a space and returns a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "maxResults": 50,
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "items": [
    {
      "arn": "arn:aws:cloudwatch:us-east-1:123456789012:access-profile/analyst-
readonly",
      "description": "Read-only access for analysts.",
      "name": "Analyst read-only profile",
```

```
      "profileId": "analyst-readonly",
      "profileType": "CUSTOMER_MANAGED"
    },
    {
      "arn": "arn:aws:cloudwatch:us-east-1:123456789012:access-profile/oncall-admin",
      "description": "Full access for on-call responders.",
      "name": "On-call admin profile",
      "profileId": "oncall-admin",
      "profileType": "CUSTOMER_MANAGED"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```


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

ListAlerts

Lists alerts within a space, optionally filtered by exact name(s), a single name prefix, or exact alertId(s), with pagination.

Use GetAlert to retrieve a single alert's full detail.

Request Parameters

filterCriteria

Filter criteria narrowing which alerts are returned. All members are optional; the three name/id filters are mutually exclusive.

Type: AlertFilterCriteria object

Required: No

maxResults

The maximum number of alerts to return per page.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

sortBy

The field to sort results by.

Type: String

Valid Values: `NAME | STATE`

Required: No

sortOrder

The order in which to sort results.

Type: String

Valid Values: `ASC | DESC`

Required: No

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following elements are returned by the service.

items

The list of alert summaries.

Type: Array of AlertSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List alerts in a space

The following example lists the first page of alerts in a space, sorted by state, and returns a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "filterCriteria": {
    "namePrefix": "service-",
    "stateValue": [
      "WARNING",
      "CRITICAL"
    ]
  },
  "maxResults": 50,
  "sortBy": "STATE",
  "sortOrder": "DESC",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "items": [
    {
      "alertArn": "arn:aws:cloudwatch:us-east-1:123456789012:alert/
c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
      "alertId": "c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
      "createdAt": "2026-09-16T14:22:31Z",
      "name": "service-error-count-elevated",
      "notificationStatus": "ENABLED",
      "profileId": "analyst-readonly",
      "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
      "state": {
        "contributorSummary": {
```

```
          "criticalCount": 1,
          "warningCount": 3
        },
        "transitionedAt": "2026-09-17T09:11:52Z",
        "value": "CRITICAL"
      },
      "updatedAt": "2026-09-17T09:11:52Z"
    },
    {
      "alertArn": "arn:aws:cloudwatch:us-east-1:123456789012:alert/
d4e5f6a78b9c4d0e9f1a2b3c4d5e6f70",
      "alertId": "d4e5f6a78b9c4d0e9f1a2b3c4d5e6f70",
      "createdAt": "2026-09-16T14:22:31Z",
      "name": "service-checkout-5xx-responses",
      "notificationStatus": "DISABLED",
      "profileId": "analyst-readonly",
      "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
      "state": {
        "data": {
          "thresholdBreached": 14.0
        },
        "transitionedAt": "2026-09-17T09:11:52Z",
        "value": "WARNING"
      },
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```


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

ListDomainAccessGrantsForOrganization

Returns organization-level domain access grants, with optional filtering by domain, principal, or permission. A grant is returned only when it matches every filter supplied. With no filters, returns the grants for the caller's organization.

Request Parameters

domainId

Filter by domain ID.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: No

maxResults

The maximum number of access grants to return per page. Defaults to 100. A page can contain fewer results than this value even when more results remain; continue while nextToken is present.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results. Supply the same filters used on the request that returned it. Tokens expire after 24 hours.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

permission

Filter by permission level.

Type: String

Valid Values: `ADMIN`

Required: No

principalId

Filter by principal ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9:/_+=,.@-]*`

Required: No

principalType

Filter by principal type.

Type: String

Valid Values: `IDC_USER | IDC_GROUP | IAM_USER | IAM_ROLE | IAM_ROOT`

Required: No

Response Elements

The following elements are returned by the service.

items

The list of organization access grant summaries.

Type: Array of OrganizationAccessGrantSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List organization domain access grants

The following example lists the first page of organization domain access grants and returns a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e",
  "maxResults": 50
}
```

Sample Response

```
{
  "items": [
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "domainId": "d-1a2b3c4d5e",
      "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-access-
grant/7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
      "grantId": "7f3e9d21-4c8b-4f6a-b1d2-3e4f5a6b7c8d",
      "grantType": "CUSTOMER_MANAGED",
      "name": "org-domain-admin",
      "permission": "ADMIN",
      "principal": {
        "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
        "principalType": "IDC_USER"
      },
```

```
      "updatedAt": "2026-09-16T14:22:31Z"
    },
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "domainId": "d-1a2b3c4d5e",
      "grantArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-access-
grant/8a1b2c3d-4e5f-4a6b-8c7d-9e0f1a2b3c4d",
      "grantId": "8a1b2c3d-4e5f-4a6b-8c7d-9e0f1a2b3c4d",
      "grantType": "CUSTOMER_MANAGED",
      "name": "org-domain-admin-group",
      "permission": "ADMIN",
      "principal": {
        "principalId": "2f5a8c1b-6d3e-4f7a-8b9c-0d1e2f3a4b5c",
        "principalType": "IDC_GROUP"
      },
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```


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

ListDomains

Returns the caller's domains: the account-scoped domain and the organization-scoped domain, if either exists. At most two domains are returned.

Request Parameters

maxResults

The maximum number of domains to return per page. Defaults to 100.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results. Tokens expire after 24 hours.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Response Elements

The following elements are returned by the service.

items

The list of domain summaries.

Type: Array of DomainSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List domains

The following example lists the caller's domains. At most two are returned — the account-scoped domain and the organization-scoped domain — so there is no nextToken. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{}
```

Sample Response

```
{
  "items": [
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
      "domainId": "d-1a2b3c4d5e",
      "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef",
      "name": "prod-observability",
      "region": "us-east-1",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T14:22:31Z"
    },
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-domain/
d-9z8y7x6w5v",
      "domainId": "d-9z8y7x6w5v",
      "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef",
      "name": "prod-observability-org",
      "region": "us-east-1",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ]
}
```

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

ListIntegrations

Lists the integrations in the account, optionally filtered by type, status, or name. Results are paginated.

Request Parameters

integrationType

Returns only integrations of this provider type.

Type: String

Valid Values: `AWS_CONFIG_SLREC | SLACK | EXTERNAL_AGENT | AWS_INTEGRATION`

Required: No

maxResults

Maximum number of integrations to return in one page.

Type: Integer

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

Required: No

name

Returns only the integration with this exact name.

Type: String

Required: No

nextToken

Pagination token from a previous response; omit for the first page.

Type: String

Required: No

status

Returns only integrations in this status.

Type: String

Valid Values: `ACTIVE | DELETED | PENDING | PENDING_OAUTH | ERROR | FAILED`

Required: No

Response Elements

The following elements are returned by the service.

items

The page of integrations.

Type: Array of Integration objects

nextToken

Pagination token for the next page; absent when there are no more results.

Type: String

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List integrations of a type

The following example lists up to 20 AWS_INTEGRATION integrations in the account. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "integrationType": "AWS_INTEGRATION",
  "maxResults": 20
}
```

Sample Response

```
{
  "items": [
    {
      "createdAt": "2026-09-16T00:03:00Z",
      "integrationArn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
      "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
      "integrationType": "AWS_INTEGRATION",
      "name": "my-aws-integration",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T00:03:00Z"
```

```
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```

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

ListOmniDashboards

Returns the dashboards in a space, optionally filtered by name prefix.

Request Parameters

maxResults

The maximum number of dashboards to return per page. Defaults to 100. A page can contain fewer results than this value even when more results remain; continue while nextToken is present.

Type: Integer

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

Required: No

namePrefix

Filter to dashboards whose name starts with this prefix.

Type: String

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: No

nextToken

A token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following elements are returned by the service.

items

The list of dashboard summaries.

Type: Array of OmniDashboardSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List dashboards in a space

The following example lists the first page of dashboards in a space and returns a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "maxResults": 50,
```

```
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "items": [
    {
      "arn": "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
      "createdAt": "2026-09-16T14:22:31Z",
      "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
      "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
      "description": "Overview of service health metrics.",
      "name": "service-health-overview",
      "updatedAt": "2026-09-16T14:22:31Z"
    },
    {
      "arn": "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
d4e5f6a7-8b9c-4d0e-9f1a-2b3c4d5e6f70",
      "createdAt": "2026-09-16T14:22:31Z",
      "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
      "dashboardId": "d4e5f6a7-8b9c-4d0e-9f1a-2b3c4d5e6f70",
      "description": "Monthly cost breakdown by service.",
      "name": "cost-explorer-dashboard",
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```

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

ListSpaces

Returns the spaces in the account, optionally filtered by domain.

Request Parameters

domainId

Filter by domain ID.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: No

maxResults

The maximum number of spaces to return per page. Defaults to 100. A page can contain fewer results than this value even when more results remain; continue while nextToken is present.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results. Supply the same filters used on the request that returned it. Tokens expire after 24 hours.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Response Elements

The following elements are returned by the service.

items

The list of space summaries.

Type: Array of SpaceSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List spaces in a domain

The following example lists the first page of spaces in a domain and returns a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e",
  "maxResults": 50
}
```

Sample Response

```
{
  "items": [
```

```
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
      "name": "prod-observability",
      "ownerAccountId": "123456789012",
      "region": "us-east-1",
      "spaceArn": "arn:aws:cloudwatch:us-east-1:123456789012:space/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
      "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T14:22:31Z"
    },
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
      "name": "staging-observability",
      "ownerAccountId": "123456789012",
      "region": "us-east-1",
      "spaceArn": "arn:aws:cloudwatch:us-east-1:123456789012:space/
b2c3d4e5-6f7a-4b8c-9d0e-1f2a3b4c5d6e",
      "spaceId": "b2c3d4e5-6f7a-4b8c-9d0e-1f2a3b4c5d6e",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```


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

ListSpacesForOrganization

Returns the spaces across all member accounts in the organization.

Request Parameters

maxResults

The maximum number of spaces to return per page. Defaults to 100.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results. Tokens expire after 24 hours.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Response Elements

The following elements are returned by the service.

items

The list of space summaries.

Type: Array of SpaceSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List spaces across the organization

The following example lists the first page of spaces across all member accounts in the organization. The results include spaces owned by different accounts, along with a nextToken to retrieve the next page. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "maxResults": 50
}
```

Sample Response

```
{
  "items": [
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "name": "prod-observability",
      "ownerAccountId": "111122223333",
      "region": "us-east-1",
      "spaceArn": "arn:aws:cloudwatch:us-east-1:111122223333:space/
c1d2e3f4-5a6b-4c7d-8e9f-0a1b2c3d4e5f",
      "spaceId": "c1d2e3f4-5a6b-4c7d-8e9f-0a1b2c3d4e5f",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T14:22:31Z"
    },
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "name": "prod-observability",
```

```
      "ownerAccountId": "444455556666",
      "region": "us-east-1",
      "spaceArn": "arn:aws:cloudwatch:us-east-1:444455556666:space/
d4e5f6a7-8b9c-4d0e-8f1a-2b3c4d5e6f7a",
      "spaceId": "d4e5f6a7-8b9c-4d0e-8f1a-2b3c4d5e6f7a",
      "status": "ACTIVE",
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjIwfQ=="
}
```

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

ListTelemetryFields

Lists fields available for telemetry queries.

Returns a list of fields included in the specified dataset, granular to telemetry type. Returned field names reflect the exact stored casing and are case-sensitive when referenced in query expressions; the query engine does not normalize identifier case.

Request Parameters

dataSetName

The name of the dataset to list fields for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

endTime

Inclusive end of the lookback window. When omitted, the service defaults to the current time.

Type: Timestamp

Required: No

nextToken

A token to retrieve the next page of results. Reserved for future pagination; the service does not paginate at this time and returns null.

Type: String

Required: No

startTime

Inclusive start of the lookback window. When omitted, the service defaults to the configured lookback before endTime.

Type: Timestamp

Required: No

telemetryType

The type of telemetry to filter fields by.

Type: String

Valid Values: `LOGS` | `TRACES`

Required: No

Response Elements

The following elements are returned by the service.

fields

The list of fields available for queries.

Type: Array of Field objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Errors

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

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List fields for a dataset

The following example lists the log fields available in the specified dataset. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "dataSetName": "default",
  "telemetryType": "LOGS"
```

```
}
```

Sample Response

```
{
  "fields": [
    {
      "name": "@timestamp"
    },
    {
      "name": "@message"
    },
    {
      "children": [
        {
          "name": "http.method"
        },
        {
          "name": "http.status_code"
        }
      ],
      "name": "attributes"
    }
  ]
}
```

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

ListTelemetryQuerySessions

Lists telemetry query sessions.

Returns a list of telemetry query sessions owned by the caller.

Request Parameters

maxResults

The maximum number of sessions to return per page.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

sessions

The list of session summaries.

Type: Array of SessionSummary objects

Errors

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

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List telemetry query sessions

The following example lists the query sessions owned by the caller. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "maxResults": 10
```

```
}
```

Sample Response

```
{
  "nextToken": "eyJvZmZzZXQiOjEwfQ==",
  "sessions": [
    {
      "createdAt": "2026-09-16T00:00:00Z",
      "lastActivityAt": "2026-09-16T00:05:00Z",
      "sessionId": "9f8c7d6e-5b4a-4c3d-9e2f-1a0b2c3d4e5f",
      "sessionName": "prod-latency-investigation"
    }
  ]
}
```

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

ListViews

Lists the views in the caller's account and region.

Returns a summary for each view, optionally filtered by view type. View definitions are not included — use GetView to retrieve them.

Request Parameters

maxResults

The maximum number of views to return per page.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results.

Type: String

Required: No

type

Return only views of this ownership category.

Type: String

Valid Values: `USER | MANAGED`

Required: No

Response Elements

The following elements are returned by the service.

items

The list of view summaries.

Type: Array of ViewSummary objects

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

Errors

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

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

List the views in an account and Region

The following example returns a page of view summaries, filtered to user-created views. Definitions are not included — call GetView to retrieve them. A nextToken is returned when more results are available. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "maxResults": 10,
  "type": "USER"
}
```

Sample Response

```
{
  "items": [
    {
      "createdAt": "2026-09-16T14:22:31Z",
      "description": "Error counts by service",
      "name": "view.service_errors",
      "type": "USER",
      "updatedAt": "2026-09-16T14:22:31Z"
    }
  ],
  "nextToken": "eyJvZmZzZXQiOjEwfQ=="
}
```

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

PutIntelligenceConfiguration

Creates or updates the intelligence configuration for the calling account. Account is identified via FAS (caller identity).

Request Parameters

clientToken

Idempotency token for safe retries. Repeating a request with the same token applies the update at most once instead of reprocessing it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[!-~]+`

Required: No

kmsKeyArn

Optional KMS key ARN to configure customer-managed encryption for anomaly data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:(aws|aws-cn|aws-us-gov):kms:[a-z0-9-]+:[0-9]{12}:key/(?:mrk-)?[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: No

removeKmsKey

Set to true to disassociate the configured KMS key. Mutually exclusive with kmsKeyArn; the service returns ValidationException if both are provided.

Type: Boolean

Required: No

Response Elements

The following elements are returned by the service.

accountId

The AWS account ID this configuration applies to.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

createdAt

ISO-8601 timestamp of initial creation.

Type: Timestamp

kmsKeyArn

The currently active KMS key ARN for customer-managed encryption, if configured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:(aws|aws-cn|aws-us-gov):kms:[a-z0-9-]+:[0-9]{12}:key/(?:mrk-)?[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

updatedAt

ISO-8601 timestamp of the last update.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Configure a customer-managed KMS key

The following example sets the customer-managed KMS key used to encrypt the account's intelligence data. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "clientToken": "b3f8c7d6-5b4a-4c3d-9e2f-1a0b2c3d4e5f",
  "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
```

```
}
```

Sample Response

```
{
  "accountId": "123456789012",
  "createdAt": "2026-01-15T08:30:00Z",
  "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
  "updatedAt": "2026-09-16T12:00:00Z"
}
```

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

SearchPrincipals

Searches Identity Center for users and groups in a domain. The domain must be configured with Identity Center.

To grant access to a result, pass its principalId to CreateAccessGrant with a principalType of IDC_USER for a user or IDC_GROUP for a group.

Request Parameters

domainId

The ID of the domain to search within.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

maxResults

The maximum number of results to return. Defaults to 100.

Type: Integer

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

Required: No

nextToken

A token to retrieve the next page of results. Supply the same searchQuery used on the request that returned it. Tokens expire after 24 hours.

Type: String

Required: No

searchQuery

A search term to match against user names, display names, and IDs. Pass * to list all principals. Maximum 128 characters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Elements

The following elements are returned by the service.

nextToken

A token to retrieve the next page of results, or null if there are no more results.

Type: String

results

The list of matching principals.

Type: Array of PrincipalSearchResult objects

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Search principals by name

The following example searches a domain for principals whose name matches a text query. No nextToken is returned, so there are no more results. To grant access to a result, pass its principalId to CreateAccessGrant with a principalType of IDC_USER for a user or IDC_GROUP for a group. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
```

```
  "domainId": "d-1a2b3c4d5e",
  "searchQuery": "jane"
}
```

Sample Response

```
{
  "results": [
    {
      "displayName": "Jane Doe",
      "principalId": "94b6c7d8-1a2b-4c3d-9e4f-5a6b7c8d9e0f",
      "principalType": "USER",
      "userName": "jane.doe"
    },
    {
      "displayName": "Jane's Analysts",
      "principalId": "2f5a8c1b-6d3e-4f7a-8b9c-0d1e2f3a4b5c",
      "principalType": "GROUP"
    }
  ]
}
```

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

StartTelemetryQuery

Starts a telemetry query within a session.

Submits the provided query string for execution in the specified session. Use GetTelemetryQueryResults to poll for results and check query status.

Request Parameters

queryString

The query string to execute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64000.

Required: Yes

sessionId

The unique ID of the session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Required: Yes

Response Elements

The following elements are returned by the service.

queryId

The unique ID of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

sessionId

The unique ID of the session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Start a telemetry query

The following example submits a SQL query within a session and returns the query ID used to poll for results. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "queryString": "SELECT `@timestamp`, `@message` FROM "logs.default" WHERE
 `@timestamp` BETWEEN NOW() - INTERVAL '1 HOUR' AND NOW() ORDER BY `@timestamp` DESC
 LIMIT 100",
  "sessionId": "9f8c7d6e-5b4a-4c3d-9e2f-1a0b2c3d4e5f"
}
```

Sample Response

```
{
  "queryId": "3b2a1c0d-7e6f-4a5b-8c9d-0e1f2a3b4c5d",
  "sessionId": "9f8c7d6e-5b4a-4c3d-9e2f-1a0b2c3d4e5f"
}
```

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

StartTelemetryQuerySession

Starts a new telemetry query session.

A session provides a logical grouping for one or more telemetry queries. The returned session ID is required when starting queries via StartTelemetryQuery.

Request Parameters

sessionName

A human-readable name for the session. Names under `/aws/` are reserved for service integrations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `([a-zA-Z0-9_-]+|/aws/[a-zA-Z0-9_-]+(/[a-zA-Z0-9_-]+)?)`

Required: No

Response Elements

The following element is returned by the service.

sessionId

The unique ID of the session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Errors

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

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Start a telemetry query session

The following example starts a session for grouping telemetry queries and returns its session ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "sessionName": "prod-latency-investigation"
}
```

Sample Response

```
{
  "sessionId": "9f8c7d6e-5b4a-4c3d-9e2f-1a0b2c3d4e5f"
}
```

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

StopTelemetryQuery

Stops a running telemetry query.

Request Parameters

queryId

The unique ID of the query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Stop a running telemetry query

The following example stops a running query by its ID. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "queryId": "3b2a1c0d-7e6f-4a5b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{}
```

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

StopTelemetryQuerySession

Stops a telemetry query session.

Terminates the specified session. After a session is stopped it cannot be reused.

Request Parameters

sessionId

The unique ID of the session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-z0-9-]+`

Required: Yes

Errors

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

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Stop a telemetry query session

The following example terminates the specified session. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "sessionId": "9f8c7d6e-5b4a-4c3d-9e2f-1a0b2c3d4e5f"
}
```

Sample Response

```
{}
```

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

UpdateAccessProfile

Updates the name or description of an access profile.

Only the provided fields are changed; omitted fields are left unchanged.

Request Parameters

description

A new description of the access profile. Omit to leave unchanged.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

name

A new name for the access profile. Omit to leave unchanged.

Type: String

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

Pattern: `[a-zA-Z0-9 _.:/=+@-]+`

Required: No

profileId

The unique ID of the access profile to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

accessProfile

The access profile.

Type: AccessProfile object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Update an access profile description

The following example updates only the description of an access profile; the name is left unchanged. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "description": "Read-only access for analysts and on-call responders.",
  "profileId": "analyst-readonly",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "accessProfile": {
    "arn": "arn:aws:cloudwatch:us-east-1:123456789012:access-profile/analyst-readonly",
    "createdAt": "2026-09-16T14:22:31Z",
    "description": "Read-only access for analysts and on-call responders.",
    "name": "Analyst read-only profile",
    "profileId": "analyst-readonly",
    "profileType": "CUSTOMER_MANAGED",
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "updatedAt": "2026-09-17T09:11:52Z"
```

```
    }
}
```

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

UpdateAlert

Updates an existing alert.

Only non-null fields overwrite existing values.

Request Parameters

alertId

The alert to update.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[0-9a-f]{32}`

Required: Yes

description

A new description of the alert. Omit to leave unchanged.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

name

A new display name for the alert. Omit to leave the name unchanged (apply-if-present / PATCH). Same constraints as CreateAlert.name; the name is not the alert's identity, so a rename never changes the alertId.

Type: String

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: No

notificationRules

Replaces the entire notification rule list when present; full-replace, not merge. Omitted = leave existing rules unchanged. An empty list clears all rules (the alert keeps evaluating; only notifications stop).

Type: Array of NotificationRule objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

notificationsEnabled

Whether actions (notifications) are enabled for this alert. Omitted = leave existing value unchanged.

Type: Boolean

Required: No

profileId

The ID of the access profile associated with the alert.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

rule

The rule that defines how the alert is evaluated. Omit to leave unchanged. Each sub-block is replaced whole when present: `query`, `condition`, `evaluation` and `noData` are applied only when supplied, and within a supplied block an omitted optional member is cleared to unset (null/absent) rather than preserved from the stored alert or defaulted. See `AlertCondition` and `AlertEvaluation`.

Type: Rule object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Raise an alert's thresholds

The following example replaces only the condition of an alert's rule; the query, the evaluation cadence and the notification rules are left unchanged. A supplied condition is replaced whole rather than merged, so every threshold to keep is sent again. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "alertId": "c3d4e5f67a8b4c9d8e0f1a2b3c4d5e6f",
  "rule": {
    "telemetryRule": {
      "condition": {
        "comparator": "GT",
        "criticalThreshold": 400.0,
        "thresholdField": "error_count",
        "thresholdMode": "FIELD_VALUE",
        "warningThreshold": 100.0
      }
    }
  },
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{}
```

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

UpdateDomain

Updates a domain's name or identity provider configuration.

Only the provided fields are changed; omitted fields are left unchanged. Renaming a domain also changes the endpoint URLs derived from its name.

Request Parameters

domainId

The unique ID of the domain to update.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

identityProviderConfiguration

Identity provider configuration for the domain.

Type: IdentityProviderConfiguration object

Required: No

identityProviders

The identity providers to configure for the domain.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `IAM | IDC`

Required: No

name

A new name for the domain. Omit to leave unchanged. Must be 3-63 characters: lowercase letters, numbers, and hyphens. It must begin and end with a letter or number and cannot contain consecutive hyphens.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: No

Response Elements

The following element is returned by the service.

domain

The details of the updated domain.

Type: Domain object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Rename a domain

The following example performs a partial update that changes only the domain name; the omitted fields are left unchanged. Renaming the domain also updates the endpoint URLs derived from its name, and updatedAt advances past createdAt. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-1a2b3c4d5e",
  "name": "prod-observability-metrics"
}
```

Sample Response

```
{
  "domain": {
    "createdAt": "2026-09-16T14:22:31Z",
    "customEndpointUrls": [
      "https://prod-observability-metrics.cloudwatch-omni.global.app.aws"
    ],
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
    "domainEndpointUrl": "https://d-1a2b3c4d5e.cloudwatch-omni.global.app.aws",
    "domainId": "d-1a2b3c4d5e",
    "identityCenterApplicationArn": "arn:aws:sso::123456789012:application/
ssoins-1234567890abcdef/apl-0f9e8d7c6b5a4938",
    "identityProviderConfiguration": {
```

```
      "identityCenterConfiguration": {
        "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
      }
    },
    "identityProviders": [
      "IDC"
    ],
    "name": "prod-observability-metrics",
    "region": "us-east-1",
    "status": "ACTIVE",
    "updatedAt": "2026-09-17T09:11:52Z"
  }
}
```


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

UpdateDomainForOrganization

Updates an organization domain's name or identity provider configuration. Call this operation in the Region where the domain was created.

Only the provided fields are changed; omitted fields are left unchanged. Renaming a domain also changes the endpoint URLs derived from its name.

Request Parameters

domainId

The ID of the organization domain to update.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

identityProviderConfiguration

Identity provider configuration for the domain. Omit to leave unchanged.

Type: IdentityProviderConfiguration object

Required: No

identityProviders

The identity providers to configure for the domain. Omit to leave unchanged.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `IAM | IDC`

Required: No

name

A new name for the organization domain. Omit to leave unchanged. Must be 3-63 characters: lowercase letters, numbers, and hyphens. It must begin and end with a letter or number and cannot contain consecutive hyphens.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: No

Response Elements

The following element is returned by the service.

organizationDomain

The details of the updated organization domain.

Type: OrganizationDomain object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Rename an organization domain

The following example performs a partial update that changes only the organization domain name; the omitted fields are left unchanged. The endpoint URLs derived from the name are updated, and updatedAt advances past createdAt. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "domainId": "d-9z8y7x6w5v",
  "name": "prod-observability-org-metrics"
}
```

Sample Response

```
{
  "organizationDomain": {
    "createdAt": "2026-09-16T14:22:31Z",
    "customEndpointUrls": [
      "https://prod-observability-org-metrics.cloudwatch-omni.global.app.aws"
    ],
    "domainAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchOrganizationDomainAccessRole",
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:organization-domain/
d-9z8y7x6w5v",
    "domainEndpointUrl": "https://d-9z8y7x6w5v.cloudwatch-omni.global.app.aws",
    "domainId": "d-9z8y7x6w5v",
    "identityCenterApplicationArn": "arn:aws:sso::123456789012:application/
ssoins-1234567890abcdef/apl-0f9e8d7c6b5a4938",
    "identityProviderConfiguration": {
      "identityCenterConfiguration": {
        "identityCenterInstanceArn": "arn:aws:sso:::instance/ssoins-1234567890abcdef"
```

```
      }
    },
    "identityProviders": [
      "IDC"
    ],
    "name": "prod-observability-org-metrics",
    "organizationId": "o-a1b2c3d4e5",
    "ownerAccountId": "123456789012",
    "region": "us-east-1",
    "status": "ACTIVE",
    "updatedAt": "2026-09-17T09:11:52Z"
  }
}
```

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

UpdateIntegration

Updates an existing integration, identified by its id, ARN, or name. Only the fields you provide are changed.

Request Parameters

credential

The replacement credential used to authenticate with the provider.

Type: IntegrationCredential object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

identifier

Identifies the integration to update — exactly one of integrationId, integrationArn, or integrationName.

Type: IntegrationIdentifier object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

integrationAttributes

The provider-specific attributes to associate with the integration.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

roleArn

The Amazon Resource Name of the IAM role assumed to access the integration.

Type: String

Required: No

Response Elements

The following element is returned by the service.

integration

The details of the updated integration. This is the same object returned by GetIntegration and CreateIntegration. Populated on a successful update; absent only if the post-update read-back of the resource did not complete.

Type: Integration object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Update an integration's attributes

The following example replaces the provider-specific attributes of the integration identified by its id. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "identifier": {
    "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
  },
  "integrationAttributes": {
    "notificationChannel": "ops-oncall"
```

```
  }
}
```

Sample Response

```
{
  "integration": {
    "createdAt": "2026-09-16T00:03:00Z",
    "integrationArn": "arn:aws:cloudwatch:us-east-1:123456789012:integration/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "integrationAttributes": {
      "notificationChannel": "ops-oncall"
    },
    "integrationId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "integrationType": "AWS_INTEGRATION",
    "name": "my-aws-integration",
    "status": "ACTIVE",
    "updatedAt": "2026-09-16T12:00:00Z"
  }
}
```

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

UpdateOmniDashboard

Updates an existing dashboard within a space.

Only the provided fields are changed; omitted fields are left unchanged.

Request Parameters

body

The new dashboard definition, as a JSON document. Maximum 1 MiB. Omit to leave unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1048576.

Required: No

dashboardId

The unique ID of the dashboard.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

description

A new description of the dashboard. Omit to leave unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

name

A new name for the dashboard. Omit to leave unchanged.

Type: String

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: No

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

omniDashboard

The dashboard.

Type: OmniDashboard object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Update a dashboard body

The following example updates only the body of a dashboard; the name and description are left unchanged. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "body": "{"widgets":[{"type":"metric","x":0,"y":0,"width":24,"height":6,"properties":
{"metrics":[["AWS/Lambda","Errors","FunctionName","OrderProcessor"],
["AWS/Lambda","Throttles","FunctionName","OrderProcessor"]],"region":"us-
east-1","title":"Lambda Errors and Throttles"}}]}",
  "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "omniDashboard": {
```

```
    "arn": "arn:aws:cloudwatch:us-east-1:123456789012:omni-dashboard/
c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
    "body": "{"widgets":
[{"type":"metric","x":0,"y":0,"width":24,"height":6,"properties":
{"metrics":[["AWS/Lambda","Errors","FunctionName","OrderProcessor"],
["AWS/Lambda","Throttles","FunctionName","OrderProcessor"]],"region":"us-
east-1","title":"Lambda Errors and Throttles"}}]}",
    "createdAt": "2026-09-16T14:22:31Z",
    "createdBy": "arn:aws:iam::123456789012:role/ObservabilityAdmin",
    "dashboardId": "c3d4e5f6-7a8b-4c9d-8e0f-1a2b3c4d5e6f",
    "description": "Overview of service health metrics.",
    "name": "service-health-overview",
    "tags": {
      "Team": "observability"
    },
    "updatedAt": "2026-09-17T09:11:52Z"
  }
}
```


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

UpdateSpace

Updates a space.

Only the provided fields are changed; omitted fields are left unchanged.

Request Parameters

agentCoreEvaluationRoleArn

The ARN of the IAM role used by AgentCore online evaluation. Must be in the caller's account. Omit if the space does not use AgentCore online evaluation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

encryptionConfiguration

How to encrypt the space's data at rest. Omit to leave encryption unchanged. Pass `encryptionStrategy` AWS_OWNED to stop using a customer managed key and revert to service owned encryption.

Type: EncryptionConfiguration object

Required: No

name

A new name for the space. Omit to leave unchanged. Must be 3-64 characters: lowercase letters, numbers, and hyphens. It must begin and end with a letter or number and cannot contain consecutive hyphens.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: No

spaceId

The unique ID of the space to update.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

Response Elements

The following element is returned by the service.

space

The updated details of the space.

Type: Space object

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ServiceQuotaExceededException

A service quota was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Rename a space

The following example updates only the name of a space; omitted fields are left unchanged. The response returns the full space with a later updatedAt timestamp. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "name": "prod-observability-team",
  "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
}
```

Sample Response

```
{
  "space": {
    "agentCoreEvaluationRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchAgentCoreEvaluationRole",
    "createdAt": "2026-09-16T14:22:31Z",
    "dataAccessRoleArn": "arn:aws:iam::123456789012:role/
CloudWatchSpaceDataAccessRole",
    "domainArn": "arn:aws:cloudwatch:us-east-1:123456789012:domain/d-1a2b3c4d5e",
    "encryptionConfiguration": {
```

```
      "encryptionStrategy": "CUSTOMER_MANAGED",
      "kmsKeyArn": "arn:aws:kms:us-
east-1:123456789012:key/1a2b3c4d-5e6f-4a3b-8c9d-0e1f2a3b4c5d"
    },
    "name": "prod-observability-team",
    "ownerAccountId": "123456789012",
    "region": "us-east-1",
    "spaceArn": "arn:aws:cloudwatch:us-east-1:123456789012:space/
a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "spaceId": "a1b2c3d4-5e6f-4a3b-8c9d-0e1f2a3b4c5d",
    "status": "ACTIVE",
    "updatedAt": "2026-09-17T09:11:52Z"
  }
}
```


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

UpdateView

Updates an existing view's definition and/or description.

Only the fields you provide are changed. Managed views cannot be updated.

Request Parameters

definition

The new SQL query that defines the view. Omit to leave unchanged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: No

description

The new description of the view. Omit to leave unchanged.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

name

The name of the view to update.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 256.

Pattern: `view\.[a-z0-9][a-z0-9_-]{0,250}`

Required: Yes

Response Elements

The following elements are returned by the service.

arn

The ARN of the view.

Type: String

createdAt

The timestamp when the view was created.

Type: Timestamp

definition

The SQL query that defines the view.

Type: String

description

The description of the view.

Type: String

name

The name of the view.

Type: String

type

The ownership category of the view.

Type: String

Valid Values: `USER | MANAGED`

updatedAt

The timestamp when the view was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

The caller is not authorized to perform this action.

HTTP Status Code: 403

ConflictException

The operation could not be completed because of a conflict with the current state of the resource.

conflictType

The type of conflict that caused the request to fail. Not always present.

errorCode

The error code associated with the conflict. Not always present.

message

A human-readable description of the conflict.

resourceId

The identifier of the resource that is in conflict. Not always present.

resourceType

The type of the resource that is in conflict. Not always present.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred while processing the request.

errorCode

The error code associated with the internal error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist.

errorCode

The error code associated with the failure.

resourceId

The identifier of the resource that could not be found. Not always present.

resourceType

The type of the resource that could not be found. Not always present.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to exceeding the allowed request rate.

retryAfterSeconds

The number of seconds to wait before retrying the request. Not always present.

HTTP Status Code: 429

ValidationException

A parameter is specified incorrectly.

errorCode

The error code associated with the validation failure.

HTTP Status Code: 400

Examples

Update a view's definition

The following example changes only the definition; the omitted description is left unchanged. Managed views cannot be updated. The response carries the view's effective configuration. Payloads are shown as JSON; on the wire they are CBOR-encoded.

Sample Request

```
{
  "definition": "SELECT resource['attributes']['service.name'] AS service, COUNT(*)
 AS error_count FROM "logs.default" WHERE status['code'] IN ('2', 'ERROR') GROUP BY
 service",
  "name": "view.service_errors"
```

```
}
```

Sample Response

```
{
  "arn": "arn:aws:cloudwatch:us-east-1:123456789012:view/view.service_errors",
  "createdAt": "2026-09-16T14:22:31Z",
  "definition": "SELECT resource['attributes']['service.name'] AS service, COUNT(*)
 AS error_count FROM "logs.default" WHERE status['code'] IN ('2', 'ERROR') GROUP BY
 service",
  "description": "Error counts by service",
  "name": "view.service_errors",
  "type": "USER",
  "updatedAt": "2026-09-17T09:11:52Z"
}
```

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 CloudWatch Omni API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccessGrant
- AccessGrantPrincipal
- AccessGrantPrincipalAttribute
- AccessGrantSummary
- AccessProfile
- AccessProfileSummary
- Alert
- AlertCondition
- AlertEvaluation
- AlertFilterCriteria
- AlertRuleQuery
- AlertStateData
- AlertStateInfo
- AlertSummary
- ApiKeyCredential
- AwsCredentials
- ContributorSummary
- Domain
- DomainSummary
- Edge

- EdgeFilters
- EdgeProperties
- EdgeTrafficStats
- EncryptionConfiguration
- Field
- IdentityCenterConfiguration
- IdentityProviderConfiguration
- Integration
- IntegrationCredential
- IntegrationIdentifier
- KeyFilter
- LogMetadata
- Metadata
- MetricMetadata
- MetricSemantics
- NoData
- Node
- NodeFilters
- NodeProperties
- NodeSemantics
- NotificationRule
- NotificationTarget
- NotificationTrigger
- OAuthClientCredential
- OAuthCodeCredential
- OmniDashboard
- OmniDashboardSummary
- OrganizationAccessGrant
- OrganizationAccessGrantPrincipal
- OrganizationAccessGrantSummary

- OrganizationDomain
- PartialResults
- PrincipalSearchResult
- QueryStatistics
- ResourceScope
- RowScope
- Rule
- ScopedActions
- SessionSummary
- Space
- SpaceCredentialRequestContext
- SpaceSummary
- TelemetryRule
- TraceMetadata
- ViewSummary

AccessGrant

Full AccessGrant structure returned by API operations.

Contents

accountId

The AWS account ID that owns the grant.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: Yes

createdAt

The timestamp when the grant was created.

Type: Timestamp

Required: Yes

createdBy

The principal that created the grant.

Type: String

Required: Yes

domainId

The ID of the domain the grant belongs to.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

grantArn

The Amazon Resource Name (ARN) of the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

grantId

The unique ID of the access grant.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

grantType

Who manages the grant.

Type: String

Valid Values: `SERVICE_MANAGED | CUSTOMER_MANAGED`

Required: Yes

permission

The permission granted.

Type: String

Valid Values: `SPACE_ADMIN | READ | READ_WRITE_DELETE | CUSTOM`

Required: Yes

principal

The principal receiving the grant.

Type: AccessGrantPrincipal object

Required: Yes

spaceId

The space this grant applies to. Domain-scoped grants are returned by ListDomainAccessGrantsForOrganization instead.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

updatedAt

The timestamp when the grant was last updated.

Type: Timestamp

Required: Yes

name

A name that identifies the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

scopedActions

Groups of actions allowed by the grant, each with the resource scopes and conditions that limit those actions.

Type: Array of ScopedActions objects

Array Members: Minimum number of 0 items. Maximum number of 20 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

AccessGrantPrincipal

The principal receiving the grant. Specify principalId, principalAttributes, or both.

Contents

principalType

The type of principal receiving the grant.

Type: String

Valid Values: `IDC_USER | IDC_GROUP | IAM_USER | IAM_ROLE | IAM_ROOT | ACCESS_PROFILE | ALERT | AGENT`

Required: Yes

principalAttributes

Attribute conditions for attribute-based access. When provided, the grant targets any principal matching all specified conditions. Supported only for IDC_USER principals.

Type: Array of AccessGrantPrincipalAttribute objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

principalId

The ID of the principal receiving the grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9:/_+=,.@-]*`

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

AccessGrantPrincipalAttribute

A single attribute condition used to match principals for attribute-based access.

Contents

key

The Identity Center user attribute to match on. One of userName, active, userStatus, displayName, email, name.givenName, name.familyName, enterprise.department, enterprise.division, enterprise.organization, enterprise.costCenter, or enterprise.employeeNumber. Each key may appear only once per grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

value

The attribute value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

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

AccessGrantSummary

Summary of an AccessGrant. Call GetAccessGrant for the full grant.

Contents

domainId

The ID of the domain the grant belongs to.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

grantArn

The Amazon Resource Name (ARN) of the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

grantId

The unique ID of the access grant.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

grantType

Who manages the grant.

Type: String

Valid Values: `SERVICE_MANAGED | CUSTOMER_MANAGED`

Required: Yes

permission

The permission granted.

Type: String

Valid Values: `SPACE_ADMIN | READ | READ_WRITE_DELETE | CUSTOM`

Required: Yes

principal

The principal receiving the grant.

Type: AccessGrantPrincipal object

Required: Yes

spaceId

The space this grant applies to. Domain-scoped grants are returned by ListDomainAccessGrantsForOrganization instead.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

name

A name that identifies the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

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

AccessProfile

An Access Profile.

Contents

arn

The ARN of this access profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

createdAt

The timestamp when the access profile was created.

Type: Timestamp

Required: Yes

name

A name that identifies the access profile.

Type: String

Required: Yes

profileId

The unique ID of the access profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

spaceId

The ID of the space the profile belongs to.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

updatedAt

The timestamp when the access profile was last updated.

Type: Timestamp

Required: Yes

assumeStatus

The calling principal's authorization to assume this access profile.

Type: String

Valid Values: `ALLOWED | DENIED`

Required: No

description

An optional description of the access profile.

Type: String

Required: No

profileType

Who manages the access profile.

Type: String

Valid Values: `SERVICE_MANAGED | CUSTOMER_MANAGED`

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

AccessProfileSummary

Summary of an access profile. Call GetAccessProfile for the full profile.

Contents

arn

The ARN of this access profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

name

A name that identifies the access profile.

Type: String

Required: Yes

profileId

The unique ID of the access profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

description

An optional description of the access profile.

Type: String

Required: No

profileType

Who manages the access profile.

Type: String

Valid Values: `SERVICE_MANAGED | CUSTOMER_MANAGED`

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

Alert

Full alert entity, returned by both CreateAlert and GetAlert. A create and a read of the same alert describe it identically except for `state`, which only the read paths populate. UpdateAlert returns an empty response.

Contents

accountId

The AWS account ID that owns the alert.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: Yes

alertArn

The Amazon Resource Name (ARN) of the alert.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

createdAt

The timestamp when the alert was created.

Type: Timestamp

Required: Yes

name

The name of the alert.

Type: String

Required: Yes

rule

The rule that defines how the alert is evaluated.

Type: Rule object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

updatedAt

The timestamp when the alert was last updated.

Type: Timestamp

Required: Yes

alertId

The stable alert identifier (see `AlertId`), minted on create and immutable across updates. Use it (not `name`) to address the alert on GetAlert/UpdateAlert/DeleteAlert; it is also the ARN's resource id.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[0-9a-f]{32}`

Required: No

description

An optional description of the alert.

Type: String

Required: No

notificationRules

The notification rules for the alert.

Type: Array of NotificationRule objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

notificationStatus

Whether notifications are enabled.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

profileId

The ID of the access profile associated with the alert.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

spaceId

The ID of the space the alert belongs to.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: No

state

Live evaluation state (read-only, system-managed). Populated by GetAlert. ListAlerts reports state on `AlertSummary` instead, where it stays required.

Absent on CreateAlert: a newly created alert has never been evaluated, so any state reported there would be a default rather than an observation. Call GetAlert for live state. Not @required for that reason — GetAlert always populates it.

`contributorSummary` is nested inside this member, so it too is absent on CreateAlert.

Type: AlertStateInfo 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

AlertCondition

The condition that determines when the alert fires.

On UpdateAlert a supplied condition is replaced whole, not merged: an omitted `warningThreshold` or `criticalThreshold` removes that tier, and an omitted `thresholdField` clears it. A condition must keep at least one tier. `thresholdMode` and `comparator` are optional at the Smithy level (so a single-tier condition is expressible) but are required whenever a threshold is present; enforced by the service-side validator.

Contents

comparator

The comparison operator applied to the threshold.

Type: String

Valid Values: `GT | LT | GTE | LTE`

Required: No

criticalThreshold

The value at which the alert enters the CRITICAL state.

Type: Double

Required: No

thresholdField

The field the threshold is evaluated against.

Type: String

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

Required: No

thresholdMode

How the threshold is applied to query results.

Type: String

Valid Values: `COUNT_OF_RESULTS | FIELD_VALUE`

Required: No

warningThreshold

The value at which the alert enters the WARNING state.

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

AlertEvaluation

Evaluation cadence. `intervalSeconds` must be one of {30, 60, 120, 300, 600, 900, 1800, 3600}; `pendingDurationSeconds` and `recoveryDurationSeconds` must be multiples of `intervalSeconds`. A duration of 0 means fire/clear immediately with no delay.

On UpdateAlert a supplied evaluation block is replaced whole, not merged: an omitted `pendingDurationSeconds` or `recoveryDurationSeconds` is cleared to unset (no such duration), not preserved and not defaulted to 0. `intervalSeconds` is required whenever the block is present. All enforced server-side / by the front-door validator.

Contents

intervalSeconds

The interval between evaluations, in seconds.

Type: Integer

Required: Yes

pendingDurationSeconds

The duration a breach must persist before the alert fires, in seconds.

Type: Integer

Required: No

recoveryDurationSeconds

The duration a recovery must persist before the alert clears, in seconds.

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

AlertFilterCriteria

Filter criteria for ListAlerts. All members are optional; each omitted member is unconstrained. At most one of `names`, `namePrefix`, `ids` may be provided (mutually exclusive; the service rejects more than one). The remaining members combine with AND.

Contents

ids

Filter to alerts whose `AlertId` exactly matches any entry (OR semantics). Mutually exclusive with `names` and `namePrefix`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Fixed length of 32.

Pattern: `[0-9a-f]{32}`

Required: No

namePrefix

Filter to alerts whose name starts with this prefix. Mutually exclusive with `names` and `ids`.

Type: String

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: No

names

Filter to alerts whose name exactly matches any entry (OR semantics). Mutually exclusive with `namePrefix` and `ids`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

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

Pattern: `[a-zA-Z0-9_.@~()-]+`

Required: No

notificationsEnabled

Filter to alerts by whether notifications are enabled.

Type: Boolean

Required: No

stateValue

Filter to alerts currently in any of these states (OR semantics).

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 4 items.

Valid Values: `OK | WARNING | CRITICAL | NODATA`

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

AlertRuleQuery

Query expression and the language it's written in.

Contents

expression

The query expression to evaluate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: Yes

language

The query language of the expression.

Type: String

Valid Values: `SQL | PROMQL`

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

AlertStateData

Structured detail about the current evaluation.

Contents

thresholdBreached

For COUNT_OF_RESULTS alerts, the row count that breached; null for FIELD_VALUE (multi-contributor) alerts.

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

AlertStateInfo

Live evaluation state for an alert. Read-only, system-managed.

Contents

value

Current flat state.

Type: String

Valid Values: `OK | WARNING | CRITICAL | NODATA`

Required: Yes

contributorSummary

Counts of contributors currently breaching each severity threshold. Present only when contributor-level tracking is active; absent until the first contributor breaches a `WARNING` or `CRITICAL` threshold.

Type: ContributorSummary object

Required: No

data

Structured detail about why the alert is in its current state.

Type: AlertStateData object

Required: No

transitionedAt

When the alert transitioned to its current state.

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

AlertSummary

Summary representation of an alert used in list responses.

Contents

alertArn

The Amazon Resource Name (ARN) of the alert.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

createdAt

The timestamp when the alert was created.

Type: Timestamp

Required: Yes

name

The name of the alert.

Type: String

Required: Yes

state

Live evaluation state (read-only, system-managed).

Type: AlertStateInfo object

Required: Yes

updatedAt

The timestamp when the alert was last updated.

Type: Timestamp

Required: Yes

alertId

The stable alert identifier (see `Alert.alertId`). Use it to address the alert; it is also the ARN's resource id.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[0-9a-f]{32}`

Required: No

notificationStatus

Whether notifications are enabled.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

profileId

The ID of the access profile associated with the alert.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: No

spaceId

The ID of the space the alert belongs to.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

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

ApiKeyCredential

An API key used to authenticate an integration with its external system.

Contents

apiKeyValue

The API key value used to authenticate with the external system.

Type: String

Length Constraints: Minimum length of 1.

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

AwsCredentials

A set of temporary AWS credentials.

Contents

accessKeyId

The AWS access key ID.

Type: String

Required: Yes

expiration

The timestamp when the credentials expire.

Type: Timestamp

Required: Yes

secretAccessKey

The AWS secret access key.

Type: String

Required: Yes

sessionToken

The AWS session token.

Type: String

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

ContributorSummary

Counts of contributors currently breaching each severity threshold.

Contents

criticalCount

Number of contributors currently breaching the critical threshold.

Type: Integer

Required: No

warningCount

Number of contributors currently breaching the warning threshold.

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

Domain

Detailed information about a domain.

Contents

createdAt

The timestamp when the domain was created.

Type: Timestamp

Required: Yes

domainArn

The Amazon Resource Name (ARN) of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

domainEndpointUrl

The HTTPS endpoint URL for accessing the domain.

Type: String

Required: Yes

domainId

The unique ID of the domain.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

identityProviders

The identity providers configured for the domain.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `IAM | IDC`

Required: Yes

region

The Region where this domain was created.

Type: String

Required: Yes

status

Current status of the domain.

Type: String

Valid Values: `ACTIVE`

Required: Yes

updatedAt

The timestamp when the domain was last updated.

Type: Timestamp

Required: Yes

customEndpointUrls

Additional endpoint URLs derived from the domain name.

Type: Array of strings

Required: No

identityCenterApplicationArn

The ARN of the Identity Center application. Absent for IAM-only domains.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

identityProviderConfiguration

Identity provider configuration for the domain.

Type: IdentityProviderConfiguration object

Required: No

name

A name that identifies the domain.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

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

DomainSummary

Summary of a domain. Call GetDomain for the full domain.

Contents

createdAt

The timestamp when the domain was created.

Type: Timestamp

Required: Yes

domainId

The unique ID of the domain.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

status

Current status of the domain.

Type: String

Valid Values: `ACTIVE`

Required: Yes

updatedAt

The timestamp when the domain was last updated.

Type: Timestamp

Required: Yes

domainArn

The Amazon Resource Name (ARN) of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

identityCenterInstanceArn

Identity Center instance ARN configured for the domain. Absent for IAM-only domains.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws[a-z-]*:sso:::instance/[a-zA-Z0-9-]+`

Required: No

name

A name that identifies the domain.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: No

region

The Region where this domain was created.

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

Edge

A directed edge in the context graph connecting two nodes.

Contents

edgeId

The unique identifier of the edge within the context graph.

Type: String

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

Required: No

edgeProperties

Attributes promoted out of the flat attribute map onto typed members. Which members are present depends on what produced the edge.

Type: EdgeProperties object

Required: No

edgeType

The kind of relationship the edge represents.

Type: String

Valid Values: `CALLS | ACCESSES | RUNS_ON`

Required: No

firstObservedAt

When this edge was first observed (UTC), at minute granularity. For an edge that merged across sources, this is the earliest value any source reported.

Type: Timestamp

Required: No

from

The node identifier the edge originates from.

Type: String

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

Required: No

lastObservedAt

When this edge was most recently observed (UTC), at minute granularity. For an edge that merged across sources, this is the latest value any source reported.

Type: Timestamp

Required: No

metadata

Descriptive metadata about the edge. Present only when the request sets includeMetadata.

Type: Metadata object

Required: No

operations

The operations observed on this edge.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

signalTypes

The kinds of telemetry signal observed on this edge.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Valid Values: `LOGS | METRICS | TRACES | CONFIG | UNKNOWN`

Required: No

sources

The discovery sources that contributed this edge.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Valid Values: `VPC_FLOW_LOG | CLOUDTRAIL | IAM_POLICY | CODE_SEMANTICS | TELEMETRY | AZURE_VNET_FLOW_LOG | ELB_ACCESS_LOG | CLOUDFRONT_ACCESS_LOG | S3_ACCESS_LOG | WAF_ACCESS_LOG | AWS_INTEGRATION | CONFIG`

Required: No

telemetryAttributes

The edge's OpenTelemetry (OTel) attributes, as emitted by telemetry. A key promoted onto an `edgeProperties` member is removed here, so no value appears twice.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 100 items.

Required: No

to

The node identifier the edge points to.

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

EdgeFilters

Criteria for filtering edges in a context graph query.

Contents

edgeId

Match only the edge with this identifier.

Type: String

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

Required: No

edgeType

Match only edges of this relationship kind.

Type: String

Valid Values: `CALLS | ACCESSES | RUNS_ON`

Required: No

from

Match only edges originating from this node identifier.

Type: String

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

Required: No

operations

Match edges carrying any of these operations.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

sources

Match edges contributed by any of these discovery sources.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Valid Values: `VPC_FLOW_LOG | CLOUDTRAIL | IAM_POLICY | CODE_SEMANTICS | TELEMETRY | AZURE_VNET_FLOW_LOG | ELB_ACCESS_LOG | CLOUDFRONT_ACCESS_LOG | S3_ACCESS_LOG | WAF_ACCESS_LOG | AWS_INTEGRATION | CONFIG`

Required: No

telemetryAttributes

Match edges by their OpenTelemetry (OTel) telemetry attributes. Not yet enforced: currently accepted but ignored (does not filter), matching nodeFilters.telemetryAttributes.

Type: Array of KeyFilter objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

to

Match only edges pointing to this node identifier.

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

EdgeProperties

Edge attributes promoted out of the flat attribute map onto typed members. Which members are present depends entirely on what produced the edge, so most edges carry only a few of them.

Contents

blocked

Whether the observed network flow was denied. Absent means the edge was not derived from network flow data, which is not the same as allowed.

Type: Boolean

Required: No

destinationPort

The destination port of the observed traffic. May be a placeholder when the port is unknown.

Type: String

Required: No

errorCode

The error code returned when the call was attempted and refused. Its presence means the edge exists but the dependency is failing.

Type: String

Required: No

httpMethod

The HTTP method observed on the request.

Type: String

Required: No

httpStatusCode

The HTTP status code observed on the request. Distinct from errorCode.

Type: String

Required: No

protocol

The IANA protocol name for the observed network traffic, such as "tcp".

Type: String

Required: No

serviceInitiated

Whether the caller was an AWS service principal rather than a user or role. Absent means the edge was not derived from a source that reports it.

Type: Boolean

Required: No

sourcePort

The source port of the observed traffic. May be a placeholder when the port is unknown.

Type: String

Required: No

trafficStats

Traffic counters accumulated over the edge's observation window.

Type: EdgeTrafficStats 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

EdgeTrafficStats

Additive traffic counters accumulated over an edge's observation window. Which counters are populated depends on what produced the edge.

Contents

bytes

Total bytes observed across the edge.

Type: Long

Valid Range: Minimum value of 0.

Required: No

flows

Total network flows observed across the edge.

Type: Long

Valid Range: Minimum value of 0.

Required: No

packets

Total packets observed across the edge.

Type: Long

Valid Range: Minimum value of 0.

Required: No

receivedBytes

Total bytes received from the destination.

Type: Long

Valid Range: Minimum value of 0.

Required: No

sentBytes

Total bytes sent to the destination.

Type: Long

Valid Range: Minimum value of 0.

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

How a resource's data at rest is encrypted.

`kmsKeyArn` is required when `encryptionStrategy` is CUSTOMER_MANAGED and must be absent when it is AWS_OWNED; a mismatch is a ValidationException rather than a silently ignored field, so a caller that selects AWS_OWNED while still passing a key learns that the key was not applied.

Contents

encryptionStrategy

Which kind of key to use. Required.

Type: String

Valid Values: `AWS_OWNED | CUSTOMER_MANAGED`

Required: Yes

kmsKeyArn

Customer managed KMS key ARN. Required when `encryptionStrategy` is CUSTOMER_MANAGED, and must be omitted when it is AWS_OWNED. Must be a symmetric ENCRYPT_DECRYPT key in the caller's account and region.

Type: String

Pattern: `arn:aws[a-zA-Z-]*:kms:[a-z0-9-]+:[0-9]{12}:key/(mrk-)?[a-f0-9-]+`

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

Field

A telemetry field available for use in query expressions.

Contents

name

The name of the field. Field names are case-sensitive and must be used exactly as returned when referencing them in query expressions.

Type: String

Required: Yes

children

Child fields nested under this field.

Type: Array of Field objects

Array Members: Minimum number of 0 items. Maximum number of 1000 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

IdentityCenterConfiguration

Identity Center specific configuration.

Contents

identityCenterInstanceArn

Identity Center instance ARN

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws[a-z-]*:sso:::instance/[a-zA-Z0-9-]+`

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

IdentityProviderConfiguration

Identity provider configuration for domain authentication. Contains provider-specific configuration blocks.

Contents

identityCenterConfiguration

Identity Center configuration. Required when identityProviders includes IDC.

Type: IdentityCenterConfiguration 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

Integration

A connection between CloudWatch and an external system — such as a source of telemetry or configuration data, a messaging destination, or a model provider.

Contents

integrationId

The unique identifier of the integration.

Type: String

Required: Yes

integrationType

The type of external system that an integration connects to, such as a source of configuration data, a messaging destination, or a model provider.

Type: String

Valid Values: `AWS_CONFIG_SLREC | SLACK | EXTERNAL_AGENT | AWS_INTEGRATION`

Required: Yes

name

The customer-provided name of the integration.

Type: String

Required: Yes

status

The current lifecycle state of an integration.

Type: String

Valid Values: `ACTIVE | DELETED | PENDING | PENDING_OAUTH | ERROR | FAILED`

Required: Yes

authorizationUrl

The URL the customer visits to authorize the integration. Present while an OAuth authorization is pending.

Type: String

Required: No

authType

The authentication method that an integration uses to connect to its external system.

Type: String

Valid Values: `NONE | OAUTH2 | API_KEY`

Required: No

createdAt

The time at which the integration was created.

Type: Timestamp

Required: No

credentialArn

The Amazon Resource Name (ARN) of the secret that stores the integration's credentials.

Type: String

Required: No

errorMessage

A human-readable description of why the integration is in an ERROR or FAILED state. Present only when the integration has failed.

Type: String

Required: No

integrationArn

The Amazon Resource Name (ARN) of the integration.

Type: String

Required: No

integrationAttributes

Provider-specific key/value attributes that configure the integration.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

roleArn

The Amazon Resource Name (ARN) of the IAM role that CloudWatch assumes to access the external system.

Type: String

Required: No

scope

Whether this integration is account-scoped (ACCOUNT, customer-created) or organization-scoped (ORGANIZATION, created by an org-enablement rule). Absent on legacy records is treated as ACCOUNT.

Type: String

Valid Values: `ACCOUNT | ORGANIZATION`

Required: No

updatedAt

The time at which the integration was last updated.

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

IntegrationCredential

The credential that an integration uses to authenticate with its external system. Exactly one member is set, matching the integration's authentication type.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

apiKeyCredential

An API key credential.

Type: ApiKeyCredential object

Required: No

oauthClientCredential

Credentials for an OAuth 2.0 client-credentials grant.

Type: OAuthClientCredential object

Required: No

oauthCodeCredential

Credentials for an OAuth 2.0 authorization-code grant.

Type: OAuthCodeCredential 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

IntegrationIdentifier

Identifies a single integration by exactly one of its unique keys: the integration id, the integration ARN, or the integration name.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

integrationArn

The Amazon Resource Name of the integration.

Type: String

Required: No

integrationId

The unique identifier of the integration.

Type: String

Required: No

integrationName

The name of the integration; unique within the account.

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

KeyFilter

Key-value filter used for tags and attributes filtering. Multiple KeyFilters are AND'ed. Multiple values within a single KeyFilter are OR'ed. Values support pattern syntax: exact, negation (!value), wildcard (*value*, value*, *value).

Contents

key

The tag or attribute key to filter on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

values

The values to match for this key, OR'ed together. Each supports exact, negation (!value), and wildcard (*value*, value*, *value) syntax.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Length Constraints: Minimum length of 0. Maximum length of 259.

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

LogMetadata

One LOGS query selector block on a node. The `attributes` map's keys are AND'd; each selects with `col = value`. Deliberately RAW/un-normalized so the selector matches the store, not the node's merged identity.

Contents

attributes

One LOGS query-selector block: an exact log-store column mapped to the raw value it carries, so the selector matches the emitted signal. Keys are store column names, not bare attribute names. Every block carries "@logGroupName"; alongside it a block carries either the entity columns ("`@entities`.KeyAttributes.Name", ".Type", ".Environment", "`@entities`.Attributes.PlatformType") or OTel columns ("resource.attributes['service.name']", "resource.attributes['service.namespace']", "resource.attributes['cloud.provider'|'cloud.account.id'|'cloud.region']"). A dimension seen under several values — several log groups, or a service under two namespaces — becomes several blocks with the same columns and different values, to be OR'd together.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 10 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

Metadata

Descriptive information about a context graph node or edge, as opposed to its identity and structure. Returned only when the request sets includeMetadata.

Contents

logs

LOGS query selectors: a list of blocks to OR together, each block an AND of exact store column to raw value. Present on node metadata only — edges carry trace selectors. Returned when the request sets includeMetadata.

Type: Array of LogMetadata objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

metrics

The metrics observed on the element.

Type: Array of MetricMetadata objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

semantics

Semantic description of the node. Absent on an edge, because semantics describe a service rather than a relationship.

Type: NodeSemantics object

Required: No

traces

TRACES query selectors, same block shape as the logs selectors. Present on both node and edge metadata. Returned when the request sets includeMetadata.

Type: Array of TraceMetadata objects

Array Members: Minimum number of 0 items. Maximum number of 10 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

MetricMetadata

A single metric observed on a context graph node.

Contents

attributes

Per-metric qualifying attributes used to query this metric's telemetry. Keys are the metric store's own label names, not bare OTel attribute names: service identity arrives as "@resource.service.name" and "@resource.service.namespace", and the instrumentation scope as "@instrumentation.@name", while span-derived metrics label the service as a bare "service.name". Cloud provider, account and region are not repeated per metric — read those from the node. Values are RAW, deliberately NOT the node's normalized or merged identity, so a selector built from them matches the emitted series. A merged node can carry different values per metric, which is why these live here rather than on the node.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Required: No

metricType

OTel metric kind: "gauge", "sum", "histogram", "exponential_histogram", or "summary" (CloudWatch-vended metrics carry the same kinds). Absent when the producer did not report one.

Type: String

Required: No

name

The metric name as emitted, such as "Duration".

Type: String

Required: No

preferredStat

The statistic to chart or alarm on, such as "p99" or "Sum". Free-form and frequently absent.

Type: String

Required: No

semantics

What the metric means and the unit it is reported in.

Type: MetricSemantics 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

MetricSemantics

The meaning and unit of a single metric.

Contents

description

Human-readable description of what the metric measures.

Type: String

Required: No

unit

The unit the metric is reported in.

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

NoData

Configures how the alert reacts when an evaluation produces no data. `treatAs` carries the resulting state; defaults to `NODATA` when omitted.

Contents

treatAs

The state to report when an evaluation produces no data.

Type: String

Valid Values: `OK | WARNING | CRITICAL | NODATA`

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

Node

A node in the context graph representing a service, resource, or remote service.

Contents

alternateNames

Other names this node was observed under. A node that merged across sources reports one resolved name, and the names it was merged away from appear here.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

edges

Outbound edges originating from this node. Each edge carries its `from`.

Type: Array of Edge objects

Array Members: Minimum number of 0 items. Maximum number of 5000 items.

Required: No

firstObservedAt

When this node was first observed (UTC), at minute granularity. For a node that merged across sources, this is the earliest value any source reported.

Type: Timestamp

Required: No

lastObservedAt

When this node was most recently observed (UTC), at minute granularity. For a node that merged across sources, this is the latest value any source reported.

Type: Timestamp

Required: No

metadata

Descriptive metadata about the node. Present only when the request sets includeMetadata.

Type: Metadata object

Required: No

name

The primary display name of the node.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

nodeId

The unique identifier of the node within the context graph.

Type: String

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

Required: No

nodeProperties

Identity attributes promoted out of the flat attribute map onto typed members.

Type: NodeProperties object

Required: No

nodeType

Whether the node is a service, a resource, or a remote service.

Type: String

Valid Values: `SERVICE | RESOURCE | REMOTE_SERVICE`

Required: No

operationDetails

The operations observed on this node, keyed by operation name. Each value lists the dimension sets that identify the metric series for that operation.

Type: String to array of string to string maps map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

signalTypes

The kinds of telemetry signal observed on this node.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Valid Values: `LOGS | METRICS | TRACES | CONFIG | UNKNOWN`

Required: No

sources

The discovery sources that contributed this node.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Valid Values: `VPC_FLOW_LOG | CLOUDTRAIL | IAM_POLICY | CODE_SEMANTICS | TELEMETRY | AZURE_VNET_FLOW_LOG | ELB_ACCESS_LOG | CLOUDFRONT_ACCESS_LOG | S3_ACCESS_LOG | WAF_ACCESS_LOG | AWS_INTEGRATION | CONFIG`

Required: No

tags

The tags observed on the underlying resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Required: No

telemetryAttributes

The node's OpenTelemetry (OTel) attributes, as emitted by telemetry — the raw values, as opposed to the normalized `nodeProperties`. A key promoted onto a `nodeProperties` member is removed here, so no value appears twice.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 100 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

NodeFilters

Criteria for selecting nodes in a context graph query.

Contents

category

Match nodes of any of these categories.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 4 items.

Valid Values: `GEN_AI_AGENT | GEN_AI_MODEL | DATABASE | MESSAGING_QUEUE | COMPUTE | STORAGE | NETWORK`

Required: No

cloudProvider

Match nodes on any of these cloud providers.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

name

Match only nodes with this name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

namespace

Match nodes in any of these logical service groupings.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

nodeId

Match only the node with this identifier.

Type: String

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

Required: No

nodeType

Match only nodes of this type.

Type: String

Valid Values: `SERVICE | RESOURCE | REMOTE_SERVICE`

Required: No

region

Match nodes in any of these regions.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

sourceAccountId

Match nodes discovered from telemetry produced by any of these accounts.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

sources

Match nodes contributed by any of these discovery sources.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Valid Values: `VPC_FLOW_LOG | CLOUDTRAIL | IAM_POLICY | CODE_SEMANTICS | TELEMETRY | AZURE_VNET_FLOW_LOG | ELB_ACCESS_LOG | CLOUDFRONT_ACCESS_LOG | S3_ACCESS_LOG | WAF_ACCESS_LOG | AWS_INTEGRATION | CONFIG`

Required: No

stage

Match nodes observed in any of these deployment environments.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

tags

Match nodes by the tags on the underlying resource.

Type: Array of KeyFilter objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

telemetryAttributes

Match nodes by their OpenTelemetry (OTel) telemetry attributes.

Type: Array of KeyFilter objects

Array Members: Minimum number of 1 item. Maximum number of 5 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

NodeProperties

Node identity attributes promoted out of the flat attribute map onto typed members. The first four are part of the node's merge key, so a node that merged across sources reports one resolved value for each.

Contents

category

What kind of thing the node is, coarser than nodeType.

Type: String

Valid Values: `GEN_AI_AGENT | GEN_AI_MODEL | DATABASE | MESSAGING_QUEUE | COMPUTE | STORAGE | NETWORK`

Required: No

cloudProvider

The cloud provider hosting the node, resolved from the reported provider, platform, or vendor namespace, and defaulting to "aws".

Type: String

Required: No

namespace

The logical service grouping the node belongs to. This is not a metric namespace.

Type: String

Required: No

region

The region the node runs in. Falls back to the region the telemetry was ingested from when the node does not report one.

Type: String

Required: No

sourceAccountId

The account that produced the telemetry this node was discovered from.

Type: String

Required: No

stage

The node's deployment environment. A node may be observed in several; this is the highest-precedence one. Match any of them with NodeFilters.stage.

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

NodeSemantics

Semantic description of the service a context graph node represents.

Contents

framework

The application framework the service is built on.

Type: String

Required: No

kind

The kind of workload the service is.

Type: String

Required: No

language

The primary programming language the service is written in.

Type: String

Required: No

purpose

What the service does.

Type: String

Required: No

repository

The source repository the service is built from.

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

NotificationRule

Single notification rule: which transitions trigger this rule and where the resulting notification should be sent.

Contents

target

The destination for notifications from this rule.

Type: NotificationTarget object

Required: Yes

trigger

The conditions that trigger this notification rule.

Type: NotificationTrigger 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

NotificationTarget

The destination for a notification.

Contents

arn

The Amazon Resource Name (ARN) of the notification target. For `slack` and `pagerduty`, an integration ARN as returned by `ListIntegrations`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `arn:.+`

Required: Yes

type

The type of notification target.

Type: String

Valid Values: `sns | slack | pagerduty`

Required: Yes

metadata

Additional target-specific metadata.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

NotificationTrigger

Trigger conditions for a notification rule. `stateValues` entries combine with OR semantics; empty / omitted = any state.

Contents

stateValues

Alert state(s) that trigger this rule. Empty / omitted = any state.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 4 items.

Valid Values: `OK | WARNING | CRITICAL | NODATA`

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

OAuthClientCredential

Credentials for an OAuth 2.0 client-credentials grant used to authenticate an integration with its external system.

Contents

clientId

The OAuth 2.0 client identifier registered with the external system.

Type: String

Required: Yes

clientSecret

The OAuth 2.0 client secret that pairs with the client identifier.

Type: String

Required: Yes

providerId

The identifier of the OAuth provider that issued the client credentials.

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

OAuthCodeCredential

Credentials for an OAuth 2.0 authorization-code grant, supplied when completing the authorization of an integration.

Contents

authCode

The OAuth 2.0 authorization code returned by the external system's authorization endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

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

OmniDashboard

A dashboard within a space, including its body.

Contents

arn

The Amazon Resource Name (ARN) of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

body

The dashboard definition.

Type: String

Required: Yes

createdAt

The timestamp when the dashboard was created.

Type: Timestamp

Required: Yes

createdBy

The principal that created the dashboard.

Type: String

Required: Yes

dashboardId

The unique ID of the dashboard.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

name

A name that identifies the dashboard.

Type: String

Required: Yes

updatedAt

The timestamp when the dashboard was last updated.

Type: Timestamp

Required: Yes

description

An optional description of the dashboard.

Type: String

Required: No

tags

The tags associated with the dashboard.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. 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

OmniDashboardSummary

Summary of a dashboard. Call GetOmniDashboard for the full dashboard.

Contents

arn

The Amazon Resource Name (ARN) of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

createdAt

The timestamp when the dashboard was created.

Type: Timestamp

Required: Yes

createdBy

The principal that created the dashboard.

Type: String

Required: Yes

dashboardId

The unique ID of the dashboard.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

name

A name that identifies the dashboard.

Type: String

Required: Yes

updatedAt

The timestamp when the dashboard was last updated.

Type: Timestamp

Required: Yes

description

An optional description of the dashboard.

Type: String

Required: No

tags

The tags associated with the dashboard.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. 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

OrganizationAccessGrant

An organization-scoped access grant.

Contents

createdAt

The timestamp when the grant was created.

Type: Timestamp

Required: Yes

createdBy

The principal that created the grant.

Type: String

Required: Yes

domainId

The ID of the organization domain the grant belongs to.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

grantArn

The Amazon Resource Name (ARN) of the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

grantId

The unique ID of the access grant.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

grantType

Who manages the grant.

Type: String

Valid Values: `SERVICE_MANAGED | CUSTOMER_MANAGED`

Required: Yes

permission

The permission granted.

Type: String

Valid Values: `ADMIN`

Required: Yes

principal

The principal receiving the grant.

Type: OrganizationAccessGrantPrincipal object

Required: Yes

updatedAt

The timestamp when the grant was last updated.

Type: Timestamp

Required: Yes

name

A name that identifies the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

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

OrganizationAccessGrantPrincipal

The principal receiving an organization-level domain access grant. Specify principalId, principalAttributes, or both.

Contents

principalType

The type of principal receiving the grant.

Type: String

Valid Values: `IDC_USER | IDC_GROUP | IAM_USER | IAM_ROLE | IAM_ROOT`

Required: Yes

principalAttributes

Attribute conditions for attribute-based access. When provided, the grant targets any principal matching all specified conditions. Supported only for IDC_USER principals.

Type: Array of AccessGrantPrincipalAttribute objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

principalId

The ID of the principal receiving the grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9:/_+=,.@-]*`

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

OrganizationAccessGrantSummary

Summary of an organization access grant. Call GetDomainAccessGrantForOrganization for the full grant.

Contents

createdAt

The timestamp when the access grant was created.

Type: Timestamp

Required: Yes

domainId

The ID of the organization domain the grant belongs to.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

grantArn

The Amazon Resource Name (ARN) of the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

grantId

The unique ID of the access grant.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

grantType

Who manages the grant.

Type: String

Valid Values: `SERVICE_MANAGED | CUSTOMER_MANAGED`

Required: Yes

permission

The permission granted.

Type: String

Valid Values: `ADMIN`

Required: Yes

principal

The principal receiving the grant.

Type: OrganizationAccessGrantPrincipal object

Required: Yes

updatedAt

The timestamp when the access grant was last updated.

Type: Timestamp

Required: Yes

name

A name that identifies the access grant.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

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

OrganizationDomain

Detailed information about an organization domain.

Contents

createdAt

The timestamp when the organization domain was created.

Type: Timestamp

Required: Yes

domainArn

The Amazon Resource Name (ARN) of the organization domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

domainEndpointUrl

The HTTPS endpoint URL for accessing the organization domain.

Type: String

Required: Yes

domainId

The unique ID of the organization domain.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: Yes

identityProviders

The identity providers configured for the organization domain.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `IAM | IDC`

Required: Yes

organizationId

The ID of the AWS Organization that owns the domain.

Type: String

Required: Yes

ownerAccountId

The AWS account ID that owns the organization domain.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: Yes

region

The Region where this organization domain was created.

Type: String

Required: Yes

status

Current status of the organization domain.

Type: String

Valid Values: `ACTIVE`

Required: Yes

updatedAt

The timestamp when the organization domain was last updated.

Type: Timestamp

Required: Yes

customEndpointUrls

Additional endpoint URLs derived from the domain name.

Type: Array of strings

Required: No

domainAccessRoleArn

The ARN of the customer-provided IAM role in the management account used for domain access.

Type: String

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

Pattern: `arn:aws[a-zA-Z-]*:iam::[0-9]{12}:role/.+`

Required: No

identityCenterApplicationArn

The ARN of the Identity Center application. Absent for IAM-only domains.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

identityProviderConfiguration

Identity provider configuration for the organization domain.

Type: IdentityProviderConfiguration object

Required: No

name

A name that identifies the organization domain.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

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

PartialResults

Indicates whether a query returned partial results.

Contents

partialResultsDetected

True when the query returned partial results (some data could not be read).

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

PrincipalSearchResult

A user or group matched by SearchPrincipals.

Contents

displayName

The display name of the principal.

Type: String

Required: Yes

principalId

The unique ID of the principal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9:/_+=,.@-]*`

Required: Yes

principalType

Whether the principal is a user or a group.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

description

An optional description of the principal.

Type: String

Required: No

userName

The user name of the principal. Present for users only.

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

QueryStatistics

Statistics about a telemetry query execution.

Contents

bytesScanned

The number of bytes scanned by the query.

Type: Double

Required: No

partialResults

Information about whether the query returned partial results.

Type: PartialResults object

Required: No

percentComplete

The percentage of the query that has completed.

Type: Integer

Required: No

recordsMatched

The number of records that matched the query criteria.

Type: Long

Required: No

recordsScanned

The total number of records scanned.

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

ResourceScope

A single resource scope entry within an AccessGrant. Associates a resource type with optional ARN patterns, tag conditions, and row-level filters.

Contents

resourceType

Resource type name (e.g., "DataSet", "OmniDashboard").

Type: String

Required: Yes

resourceArns

Specific resource ARNs or ARN patterns. When set, actions are limited to these resources. When absent, defaults to "*".

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

rowScopeGroups

Row-level filters for this scope, as an OR of AND-groups: a row is visible when it matches every filter in any one group. Requires signalTypes.

Row filters are additive across a principal's matching grants. A signal type with no matching group is unrestricted, and when rowScopeGroups is omitted all rows are visible for all signal types.

Type: Array of arrays of RowScope objects

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

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

Required: No

signalTypes

Signal types this scope's row filtering applies to. Required when rowScopeGroups is set.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `LOGS | TRACES`

Required: No

tags

Tag-based conditions for dynamic resource scoping. Access applies only to resources carrying all of the specified tag key/value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 3 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

RowScope

A single additive row-level filter on an AccessGrant. A row is visible when its value for the given field matches the filter's values. Row filters are additive: the visible rows are the union of all row filters across a principal's matching grants.

Contents

field

The field (column) the allowlist applies to (e.g., "serviceName", "accountId").

Type: String

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

Required: Yes

operator

Match operator applied to this filter's values.

Type: String

Valid Values: `IN`

Required: Yes

values

The values the field is matched against.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1. 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

Rule

Top-level rule definition.

`telemetryRule` members are optional at the Smithy level to support PATCH semantics on UpdateAlert (send only the sub-blocks you want to change). On CreateAlert, presence is enforced by the service-side validator.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

telemetryRule

The telemetry-based rule definition.

Type: TelemetryRule 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

ScopedActions

A group of actions within an access grant, together with the resource scopes and context conditions that apply to exactly those actions.

Contents

actions

The actions this group applies to.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 3. Maximum length of 256.

Pattern: `[a-z0-9][a-z0-9-]*:[A-Za-z][A-Za-z0-9]*`

Required: Yes

contextConditions

Optional context conditions for fine-grained access control on these actions.

Type: String to array of strings map

Map Entries: Minimum number of 0 items. Maximum number of 10 items.

Required: No

resources

Optional resource scopes constraining these actions to specific resources.

Type: Array of ResourceScope objects

Array Members: Minimum number of 0 items. Maximum number of 10 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

SessionSummary

Summary information about a query session, including its identifier, name, and activity timestamps.

Contents

sessionId

The unique ID of the session.

Type: String

Required: Yes

createdAt

The timestamp when the session was created.

Type: Timestamp

Required: No

lastActivityAt

The timestamp of the most recent activity in the session.

Type: Timestamp

Required: No

sessionName

The human-readable name of the session. Names under `/aws/` are reserved for service integrations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `([a-zA-Z0-9_-]+|/aws/[a-zA-Z0-9_-]+(/[a-zA-Z0-9_-]+)?)`

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

Space

Detailed information about a space.

Contents

createdAt

The timestamp when the space was created.

Type: Timestamp

Required: Yes

dataAccessRoleArn

The ARN of the IAM role used for data access.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

name

A name that identifies the space.

Type: String

Required: Yes

ownerAccountId

AWS account ID that owns this space.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: Yes

region

The region where this space was created.

Type: String

Required: Yes

spaceArn

The Amazon Resource Name (ARN) of the space.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

status

The status of the space.

Type: String

Valid Values: `ACTIVE | SUSPENDED | MOVING`

Required: Yes

updatedAt

The timestamp when the space was last updated.

Type: Timestamp

Required: Yes

agentCoreEvaluationRoleArn

The ARN of the IAM role used by AgentCore online evaluation. Absent when the space was created without one.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

domainArn

The Amazon Resource Name (ARN) of the domain the space belongs to. Absent when the space is not associated with a domain, so callers must tolerate its absence.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

encryptionConfiguration

How the space's data at rest is encrypted. Always populated: a space with no customer managed key reports `encryptionStrategy` AWS_OWNED and no `kmsKeyArn`.

Type: EncryptionConfiguration object

Required: No

statusReason

Reason for the current space status.

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

SpaceCredentialRequestContext

Identifies what the credentials are for: either an existing space, or a target account in a domain. Specify spaceId, or both domainId and targetAccountId.

Contents

domainId

The ID of the domain, when returning credentials for a target account that does not yet have a space.

Type: String

Pattern: `d-[0-9a-z]{1,25}`

Required: No

spaceId

The ID of an existing space to return credentials for.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: No

targetAccountId

The ID of the target member account. Required when domainId is set.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

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

SpaceSummary

Summary of a space. Call GetSpace for the full space.

Contents

createdAt

The timestamp when the space was created.

Type: Timestamp

Required: Yes

name

A name that identifies the space.

Type: String

Required: Yes

ownerAccountId

AWS account ID that owns this space.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: Yes

region

The region where this space was created.

Type: String

Required: Yes

spaceArn

The Amazon Resource Name (ARN) of the space.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: Yes

spaceId

The unique ID of the space.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

status

The status of the space.

Type: String

Valid Values: `ACTIVE | SUSPENDED | MOVING`

Required: Yes

updatedAt

The timestamp when the space was last updated.

Type: Timestamp

Required: Yes

domainArn

The Amazon Resource Name (ARN) of the domain the space belongs to. Absent when the space is not associated with a domain, so callers must tolerate its absence.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:.+`

Required: No

statusReason

Reason for the current space status.

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

TelemetryRule

Telemetry-based rule: what to query, how to evaluate the result, what condition makes it fire, and what to do on missing data.

Contents

condition

The condition that determines when the alert fires.

Type: AlertCondition object

Required: No

evaluation

The evaluation cadence and durations.

Type: AlertEvaluation object

Required: No

noData

How the alert behaves when a query produces no data.

Type: NoData object

Required: No

query

The query expression to evaluate.

Type: AlertRuleQuery 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

TraceMetadata

One TRACES query selector block on a node/edge (see LogMetadata).

Contents

attributes

One TRACES query-selector block: an exact span-store column mapped to the raw value it carries. Keys are store column names, not bare attribute names — the service identity and cloud dimensions arrive as "resource.attributes['service.name']", "resource.attributes['service.namespace']", "resource.attributes['cloud.provider']", "resource.attributes['cloud.account.id']", "resource.attributes['cloud.region']" and "resource.attributes['deployment.environment']", and span-level identity as "attributes['aws.local.service']" and "attributes['aws.local.environment']". Not every column is present on every block; which ones appear depends on what the span carried.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 10 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

ViewSummary

Summary information about a view. Does not include the view definition.

Contents

createdAt

The timestamp when the view was created.

Type: Timestamp

Required: Yes

name

The name of the view.

Type: String

Required: Yes

type

The ownership category of the view.

Type: String

Valid Values: `USER | MANAGED`

Required: Yes

updatedAt

The timestamp when the view was last updated.

Type: Timestamp

Required: Yes

description

The description of the view.

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