

Event stream

StreamCaptureMetadata

- **Id** (Nullable String):
 - Represents the ID of a stream capture.
 - It can be null or contain a string value.
 - Default value is null.
- **name** (Nullable String):
 - Represents a name associated with the entity.
 - It can be null or contain a string value.
 - Default value is null.
- **tableIngestionState** (Nullable String):
 - Represents the state of table ingestion.
 - It can be null or contain a string value.
 - Default value is null.
- **Status** (Nullable String):
 - Represents the status of the captured stream.
 - It can be null or contain a string value.
 - Default value is null.
- **statusChangeIssuedBy** (Nullable String):
 - Represents the entity that issued a status change.
 - It can be null or contain a string value.
 - Default value is null.
- **sourceIds** (Nullable Array of Strings):
 - Represents an array of source IDs associated with the entity.
 - It can be null or contain an array of string values.
 - Default value is null.
- **catalogIds** (Nullable Array of Strings):
 - Represents an array of catalog IDs associated with the entity.
 - It can be null or contain an array of string values.
 - Default value is null.

UserMetadata:

- **Id** (Nullable String):
 - Represents the ID of a user.
 - It can be null or contain a string value.
 - Default value is null.

LakeMetadata:

- **Id** (Nullable String):
 - Represents the ID of a lake.
 - It can be null or contain a string value.
 - Default value is null.
- **name** (Nullable String):
 - Represents the name of the lake.
 - It can be null or contain a string value.
 - Default value is null.

DatabaseMetadata:

- **Id** (Nullable String):
 - Represents the ID of a database.
 - It can be null or contain a string value.
 - Default value is null.
- **name** (Nullable String):
 - Represents the name of the database.
 - It can be null or contain a string value.
 - Default value is null.
- **lakeId** (Nullable String):
 - Represents the ID of the lake associated with the database.
 - It can be null or contain a string value.
 - Default value is null.

SourceMetadata:

- **id** (Nullable String):
 - Represents the ID of a data source.
 - It can be null or contain a string value.
 - Default value is null.
- **name** (Nullable String):

- Represents the name of the data source.
- It can be null or contain a string value.
- Default value is null.
- **createdBy** (Nullable String):
 - Represents the entity that created the data source.
 - It can be null or contain a string value.
 - Default value is null.
- **sourceType** (Nullable String):
 - Represents the type of data source.
 - It can be null or contain a string value.
 - Default value is null.
- **credentialType** (Nullable String):
 - Represents the type of credentials used for the data source.
 - It can be null or contain a string value.
 - Default value is null.
- **registryType** (Nullable String):
 - Represents the type of schema registry associated with the data source.
 - It can be null or contain a string value.
 - Default value is null.

CatalogMetadata:

- **id** (Nullable String):
 - Represents the ID of a catalog.
 - It can be null or contain a string value.
 - Default value is null.
- **name** (Nullable String):
 - Represents the name of the catalog.
 - It can be null or contain a string value.
 - Default value is null.
- **createdBy** (Nullable String):
 - Represents the entity that created the catalog.
 - It can be null or contain a string value.
 - Default value is null.

- **type** (Nullable String):
 - Represents the type of the catalog.
 - It can be null or contain a string value.
 - Default value is null.

MemberRoleMetadata:

- **userId** (Nullable String):
 - Represents the ID of a user associated with a role.
 - It can be null or contain a string value.
 - Default value is null.
- **inviteId** (Nullable String):
 - Represents the ID of an invitation.
 - It can be null or contain a string value.
 - Default value is null.
- **status** (Nullable String):
 - Represents the status of a member's role.
 - It can be null or contain a string value.
 - Default value is null.
- **type** (Nullable String):
 - Represents the type of role assigned to a member.
 - It can be null or contain a string value.
 - Default value is null.
- **scope** (Nullable Map of Strings):
 - Represents a map of scope values associated with a member's role.
 - It can be null or contain a map of string values.
 - Default value is null.

ApiTokenMetadata:

- **apiKey** (Nullable String):
 - Represents the API key associated with an event.
 - It can be null or contain a string value.
 - Default value is null.
- **tokenName** (Nullable String):
 - Represents the name of the API token.

- It can be null or contain a string value.
- Default value is null.
- **expirationTs** (Nullable Long):
 - Represents the expiration timestamp of the API token in milliseconds.
 - It can be null or contain a long value.
 - Default value is null.

JarMetadata:

- **jarId** (Nullable String):
 - Represents the ID of a JAR.
 - It can be null or contain a string value.
 - Default value is null.
- **jarName** (Nullable String):
 - Represents the name of the JAR.
 - It can be null or contain a string value.
 - Default value is null.

NotificationMetadata:

- **id** (Nullable String):
 - Represents the ID of a notification.
 - It can be null or contain a string value.
 - Default value is null.
- **status** (Nullable String):
 - Represents the status of the notification.
 - It can be null or contain a string value.
 - Default value is null.

TableMetadata:

- **id** (Nullable String):
 - Represents the ID of a table.
 - It can be null or contain a string value.
 - Default value is null.
- **databaseName** (Nullable String):
 - Represents the name of the database where the table resides.
 - It can be null or contain a string value.

- Default value is null.
- **lakeId** (Nullable String):
 - Represents the ID of the lake where the table belongs.
 - It can be null or contain a string value.
 - Default value is null.
- **name** (Nullable String):
 - Represents the name of the table.
 - It can be null or contain a string value.
 - Default value is null.
- **type** (Nullable String):
 - Represents the type of the table.
 - It can be null or contain a string value.
 - Default value is null.
- **tableIngestionState** (Nullable String):
 - Represents the ingestion state of the table.
 - It can be null or contain a string value.
 - Default value is null.
- **tableMaintenanceStatus** (Nullable String):
 - Represents the maintenance status of the table.
 - It can be null or contain a string value.
 - Default value is null.
- **clusteringEnabled** (Nullable Boolean):
 - Represents whether clustering is enabled for the table (true/false).
 - It can be null or contain a boolean value.
 - Default value is null.
- **compactionEnabled** (Nullable Boolean):
 - Represents whether compaction is enabled for the table (true/false).
 - It can be null or contain a boolean value.
 - Default value is null.
- **cleaningEnabled** (Nullable Boolean):
 - Represents whether cleaning is enabled for the table (true/false).
 - It can be null or contain a boolean value.

- Default value is null.
- **catalogSyncEnabled** (Nullable Boolean):
 - Represents whether catalog synchronization is enabled for the table (true/false).
 - It can be null or contain a boolean value.
 - Default value is null.
- **clusteringKeys** (Nullable Array of Strings):
 - Represents an array of clustering keys associated with the table.
 - It can be null or contain an array of string values.
 - Default value is null.
- **clusteringLayoutStrategy** (Nullable String):
 - Represents the clustering layout strategy used for the table.
 - It can be null or contain a string value.
 - Default value is null.
- **clusteringFrequency** (Nullable String):
 - Represents the clustering frequency for the table.
 - It can be null or contain a string value.
 - Default value is null.
- **compactionFrequency** (Nullable String):
 - Represents the compaction frequency for the table.
 - It can be null or contain a string value.
 - Default value is null.
- **compactionBytePerRun** (Nullable String):
 - Represents the compaction byte per run for the table.
 - It can be null or contain a string value.
 - Default value is null.
- **cleaningMaxCommits** (Nullable Integer):
 - Represents the maximum number of cleaning commits for the table.
 - It can be null or contain an integer value.
 - Default value is null.
- **cleaningRetentionHours** (Nullable Integer):
 - Represents the retention hours for cleaning data in the table.
 - It can be null or contain an integer value.

- Default value is null.
- `catalogIds` (Nullable Array of Strings):
 - Represents an array of catalog IDs associated with the table.
 - It can be null or contain an array of string values.
 - Default value is null.
- `quarantineTableMode` (Nullable String):
 - Represents the quarantine table mode for the table.
 - It can be null or contain a string value.
 - Default value is null.

Trigger (Record):

- `type` (Enum): Represents the type of trigger (e.g., TRIGGER_INVALID, TRIGGER_USER, TRIGGER_API, TRIGGER_SYSTEM).
- `id` (Nullable String): Represents the ID of the trigger.

Event (Record):

- `status` (Enum): Represents the status of the event (e.g., STATUS_INVALID, STATUS_FAILED, STATUS_SUCCESS, STATUS_PENDING).
- `operation` (Enum): Represents the operation type (e.g., OPERATION_TYPE_CREATE, OPERATION_TYPE_UPDATE, OPERATION_TYPE_DELETE, etc.).
- `id` (String): Represents the ID of the event.
- `eventFailureReason` (Nullable String): Represents the reason for event failure, if applicable.
- `resourceType` (Enum): Represents the type of the affected resource (e.g., RESOURCE_TYPE_INVALID, RESOURCE_TYPE_CAPTURE_STREAM, etc.).

Context (Record):

- `timestamp_millis` (Long): Represents the timestamp of the event in milliseconds.
- `projectId` (Nullable String): Represents the ID of the project associated with the event.
- `linkId` (Nullable String): Represents a link ID.
- `region` (Nullable String): Represents a region associated with the event.
- `userId` (Nullable String): Represents the user ID associated with the event.
- `lakeId` (Nullable String): Represents the lake ID associated with the telemetry event context. It can be null or contain a string value. Default value is null.
- `sourceIds` (Nullable Array of Strings): Represents an array of source IDs associated with the telemetry event context. It can be null or contain an array of string values. Default value is null.

- **catalogIds** (Nullable Array of Strings): Represents an array of catalog IDs associated with the telemetry event context. It can be null or contain an array of string values. Default value is null.
- **cloudProvider** (Nullable String): Represents the cloud provider associated with the telemetry event context. It can be null or contain a string value. Default value is null.
- **cloudRegion** (Nullable String): Represents the cloud region associated with the telemetry event context. It can be null or contain a string value. Default value is null.

Sample examples:

Delete stream capture

```
{
  "streamCaptureMetadata": {
    "id": "158123ba-3ed0-38cd-a409-fce5cfe28d6c",
    "name": "ENG-2439-fileBased",
    "tableIngestionState": null,
    "status": null,
    "statusChangeIssuedBy": null,
    "sourceIds": [
      "4f14475d-65d5-4d47-89f0-9275e2b409dd"
    ],
    "catalogIds": null
  },
  "userMetadata": null,
  "projectMetadata": null,
  "lakeMetadata": null,
  "databaseMetadata": null,
  "sourceMetadata": null,
  "catalogMetadata": null,
  "memberRoleMetadata": null,
  "apiTokenMetadata": null,
  "jarMetadata": null,
  "notificationMetadata": null,
  "tableMetadata": null,
  "trigger": {
    "type": "TRIGGER_USER",
    "id": "21960bec-b31e-4145-9619-54bd066133d4"
  },
  "event": {
    "id": "f50a8b35-f5f4-400d-b925-81481d496488",
    "timestamp_millis": 1701204131679,
    "status": "OPERATION_STATUS_SUCCESS",
    "operation": "OPERATION_TYPE_DELETE",
    "failureReason": null,
    "resourceType": "RESOURCE_TYPE_CAPTURE_STREAM"
  }
}
```

```

"eventContext": {
  "projectId": "dc7c2e30-083a-4330-83b0-6348b1c8b966",
  "linkId": "4af1f840-c295-5762-8ee3-81addf68a985",
  "userId": "RFgpeRR0DXPggfBd1nc92FXbU0t2",
  "lakeId": null,
  "sourceIds": null,
  "catalogIds": null,
  "cloudProvider": null,
  "cloudRegion": null
}
}

```

Create Database

```

{
  "streamCaptureMetadata": null,
  "userMetadata": null,
  "projectMetadata": null,
  "lakeMetadata": null,
  "databaseMetadata": {
    "id": null,
    "name": "test_vk",
    "lakeId": "306f3998-55e7-3614-b267-6a50a9c3eeda"
  },
  "sourceMetadata": null,
  "catalogMetadata": null,
  "memberRoleMetadata": null,
  "apiTokenMetadata": null,
  "jarMetadata": null,
  "notificationMetadata": null,
  "tableMetadata": null,
  "trigger": {
    "type": "TRIGGER_USER",
    "id": "9deb806a-6fd2-4fe6-9958-1211fe3cb55f"
  },
  "event": {
    "id": "a94bed2d-0f47-455c-9f78-4f6513f1354a",
    "timestamp_millis": 1701204537778,
    "status": "OPERATION_STATUS_SUCCESS",
    "operation": "OPERATION_TYPE_CREATE",
    "failureReason": null,
    "resourceType": "RESOURCE_TYPE_DATABASE"
  },
  "eventContext": {
    "projectId": "dc7c2e30-083a-4330-83b0-6348b1c8b966",
    "linkId": "4af1f840-c295-5762-8ee3-81addf68a985",

```

```
"userId": "RFgpeRR0DXPggfBd1nc92FXbU0t2",  
"lakeId": null,  
"sourceIds": null,  
"catalogIds": null,  
"cloudProvider": null,  
"cloudRegion": null  
}  
}
```