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Access Context Manager audit logging information

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Service name

Methods by permission type

API interface audit logs

   google.identity.accesscontextmanager.v1.AccessContextManager

   google.identity.accesscontextmanager.v1alpha.AccessContextManager

   google.longrunning.Operations

Methods that don't produce audit logs

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Methods by permission type

Each IAM permission has a `type` property, whose value is an enum that can be one of four values: `ADMIN_READ`, `ADMIN_WRITE`, `DATA_READ`, or `DATA_WRITE`. When you call a method, Access Context Manager generates an audit log whose category is dependent on the `type` property of the permission required to perform the method. Methods that require an IAM permission with the `type` property value of `DATA_READ`, `DATA_WRITE`, or `ADMIN_READ` generate Data Access audit logs. Methods that require an IAM permission with the `type` property value of `ADMIN_WRITE` generate Admin Activity audit logs.

Permission type	Methods
ADMIN_ READ	google.identity.accesscontextmanager.v1.AccessContextManager. GetAccessLevel
	google.identity.accesscontextmanager.v1.AccessContextManager.

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```
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.GetGcpUserAccessBinding
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.GetIamPolicy
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.GetServicePerimeter
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.ListAccessPolicies
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.ListGcpUserAccessBindings
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.ListServicePerimeters
google.longrunning.Operations.GetOperation
```

ADMIN_WRITE	`google.identity.accesscontextmanager.v1.AccessContextManager.CommitServicePerimeters`
	`google.identity.accesscontextmanager.v1.AccessContextManager.CreateAccessLevel`
	`google.identity.accesscontextmanager.v1.AccessContextManager.CreateAccessPolicy`

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```
google.identity.accesscontextmanager.v1.AccessContextManager.Upd
ateAccessPolicy
google.identity.accesscontextmanager.v1.AccessContextManager.Upd
ateAuthorizedOrgsDesc
google.identity.accesscontextmanager.v1.AccessContextManager.Upd
ateGcpUserAccessBinding
google.identity.accesscontextmanager.v1.AccessContextManager.Upd
ateServicePerimeter
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.CommitServicePerimeters
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.CreateAccessLevel
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.CreateAccessPolicy
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.CreateAuthorizedOrgsDesc
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.CreateGcpUserAccessBinding
google.identity.accesscontextmanager.v1alpha.AccessContextManage
r.CreateServicePerimeter
google.identity.accesscontextmanager.v1alpha.AccessContextManage
```

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~~ProductServicePerimeter~~

API interface audit logs

For information about how and which permissions are evaluated for each method, see the Identity and Access Management documentation for Access Context Manager.

google.identity.accesscontextmanager.v1.AccessContextManager

The following audit logs are associated with methods belonging to `google.identity.accesscontextmanager.v1.AccessContextManager`.

CommitServicePerimeters

Method

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```
protoPayload.methodName="google.identity.accesscontextmanager.v1.Access
ContextManager.CreateAccessLevel"
```

CreateAccessPolicy

- **Method**:
  ```
  google.identity.accesscontextmanager.v1.AccessContextManager.CreateAcce
  ssPolicy
  ```
- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.policies.create - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  ```
  protoPayload.methodName="google.identity.accesscontextmanager.v1.Access
  ContextManager.CreateAccessPolicy"
  ```

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- **Filter for this method**:

  ```
  protoPayload.methodName="google.identity.accesscontextmanager.v1.Access
  ContextManager.CreateGcpUserAccessBinding"
  ```

CreateServicePerimeter

- **Method**:

  ```
  google.identity.accesscontextmanager.v1.AccessContextManager.CreateServ
  icePerimeter
  ```
- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.servicePerimeters.create` – ADMIN_WRITE
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:

  ```
  protoPayload.methodName="google.identity.accesscontextmanager.v1.Access
  ContextManager.CreateServicePerimeter"
  ```

- `accesscontextmanager.policies.delete - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.DeleteAccessPolicy"`

DeleteAuthorizedOrgsDesc

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.DeleteAuthorizedOrgsDesc`
- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.authorizedOrgsDescs.delete - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:

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- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.servicePerimeters.delete - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.DeleteServicePerimeter"`

GetAccessLevel

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.GetAccessLevel`
- **Audit log type**: Data access
- **Permissions**:
  - `accesscontextmanager.accessLevels.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

- **Audit log type**: Data access
- **Permissions**:
  - `accesscontextmanager.authorizedOrgsDescs.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.GetAuthorizedOrgsDesc"`

GetGcpUserAccessBinding

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.GetGcpUserAccessBinding`
- **Audit log type**: Data access
- **Permissions**:
  - `accesscontextmanager.gcpUserAccessBindings.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.servicePerimeters.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.
- **Filter for this method**:
  ```
  protoPayload.methodName="google.identity.accesscontextmanager.v1.Access
  ContextManager.GetServicePerimeter"
  ```

ListAccessLevels

- **Method**:
  ```
  google.identity.accesscontextmanager.v1.AccessContextManager.ListAccess
  Levels
  ```
- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.accessLevels.list - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.authorizedOrgsDescs.list - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.Access`
  `ContextManager.ListAuthorizedOrgsDescs"`

ListGcpUserAccessBindings

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.ListGcpUse`
  `rAccessBindings`
- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.gcpUserAccessBindings.list - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.accessLevels.replaceAll - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.Access
  ContextManager.ReplaceAccessLevels"`

ReplaceServicePerimeters

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.ReplaceSer
  vicePerimeters`
- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.servicePerimeters.replaceAll - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**

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- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.accessLevels.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.Access`
  `ContextManager.UpdateAccessLevel"`

UpdateAccessPolicy

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.UpdateAcce`
  `ssPolicy`
- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.policies.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**

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- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.gcpUserAccessBindings.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.UpdateGcpUserAccessBinding"`

UpdateServicePerimeter

- **Method**:
  `google.identity.accesscontextmanager.v1.AccessContextManager.UpdateServicePerimeter`
- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.servicePerimeters.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**

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```
ccessContextManager.CommitServicePerimeters"
```

CreateAccessLevel

- **Method**:
  `google.identity.accesscontextmanager.v1alpha.AccessContextManager.Create`
  `eAccessLevel`
- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.accessLevels.create - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.A`
  `ccessContextManager.CreateAccessLevel"`

CreateAccessPolicy

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```
protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.A
ccessContextManager.CreateAuthorizedOrgsDesc"
```

CreateGcpUserAccessBinding

- **Method**:
  ```
  google.identity.accesscontextmanager.v1alpha.AccessContextManager.Creat
  eGcpUserAccessBinding
  ```
- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.gcpUserAccessBindings.create - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  ```
  protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.A
  ccessContextManager.CreateGcpUserAccessBinding"
  ```

- **Filter for this method**:

  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessLevel"`

DeleteAccessPolicy

- **Method**:

  `google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessPolicy`
- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.policies.delete – ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:

  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessPolicy"`

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- `accesscontextmanager.gcpUserAccessBindings.delete - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteGcpUserAccessBinding"`

DeleteServicePerimeter

- **Method**:
  `google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteServicePerimeter`
- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.servicePerimeters.delete - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:

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- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.policies.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.
- **Filter for this method**:
    `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetAccessPolicy"`

GetAuthorizedOrgsDesc

- **Method**:
    `google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetAuthorizedOrgsDesc`
- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.authorizedOrgsDescs.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.policies.getIamPolicy - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetIamPolicy"`

GetServicePerimeter

- **Method**:
  `google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetServicePerimeter`
- **Audit log type**: Data access
- **Permissions**:
    - `accesscontextmanager.servicePerimeters.get - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Data access
- **Permissions**:
  - `accesscontextmanager.gcpUserAccessBindings.list - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.ListGcpUserAccessBindings"`

ListServicePerimeters

- **Method**:
  `google.identity.accesscontextmanager.v1alpha.AccessContextManager.ListServicePerimeters`
- **Audit log type**: Data access
- **Permissions**:
  - `accesscontextmanager.servicePerimeters.list - ADMIN_READ`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.servicePerimeters.replaceAll - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
    `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.ReplaceServicePerimeters"`

SetIamPolicy

- **Method**:
    `google.identity.accesscontextmanager.v1alpha.AccessContextManager.SetIamPolicy`
- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.policies.setIamPolicy - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: No.

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- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.policies.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateAccessPolicy"`

UpdateAuthorizedOrgsDesc

- **Method**:
  `google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateAuthorizedOrgsDesc`
- **Audit log type**: Admin activity
- **Permissions**:
  - `accesscontextmanager.authorizedOrgsDescs.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**

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- **Audit log type**: Admin activity
- **Permissions**:
    - `accesscontextmanager.servicePerimeters.update - ADMIN_WRITE`
- **Method is a long-running or streaming operation**: **Long-running operation**
- **Filter for this method**:
  `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateServicePerimeter"`

google.longrunning.Operations

The following audit logs are associated with methods belonging to `google.longrunning.Operations`.

GetOperation

- **Method**: `google.longrunning.Operations.GetOperation`
- **Audit log type**: Data access

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tedServices
- `google.identity.accesscontextmanager.v1.AccessContextManager.TestIamPer`
  `missions`
- `google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetSu`
  `pportedService`
- `google.identity.accesscontextmanager.v1alpha.AccessContextManager.ListS`
  `upportedServices`
- `google.identity.accesscontextmanager.v1alpha.AccessContextManager.TestI`
  `amPermissions`
- `google.longrunning.Operations.CancelOperation`
- `google.longrunning.Operations.DeleteOperation`
- `google.longrunning.Operations.ListOperations`
- `google.longrunning.Operations.WaitOperation`

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