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Filter

Access control with IAM

- Create an access policy
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- Configure Chrome browser attributes
- Configure enterprise certificate conditions
- Configure time and date conditions
- Manage access levels
- Make bulk changes to access levels
- Audit logging**

Concepts

- All concepts
- Overview
- Scoped policies
- Custom access levels

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Access Context Manager audit logging information

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On this page

- 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

This document describes audit logging for Access Context Manager. Google Cloud services generate audit logs that record administrative and access activities within your Google Cloud resources. For more information about Cloud Audit Logs, see the following:

- [Types of audit logs](#)
- [Audit log entry structure](#)
- [Storing and routing audit logs](#)
- [Cloud Logging pricing summary](#)
- [Enable Data Access audit logs](#)

Service name

Access Context Manager audit logs use the service name `accesscontextmanager.googleapis.com`. Filter for this service:

`protoPayload.serviceName="accesscontextmanager.googleapis.com"`

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RITE google.identity.accesscontextmanager.v1.AccessContext
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google.identity.accesscontextmanager.v1alpha.AccessContextManager.CommitServicePerimeters
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google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateAccessPolicy
google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateAuthorizedOrgsDesc
google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateGcpUserAccessBinding
google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateServicePerimeter
google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessLevel
google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessPolicy
google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAuthorizedOrgsDesc
google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteGcpUserAccessBinding
google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteServicePerimeter
google.identity.accesscontextmanager.v1alpha.AccessContextManager.ReplaceAccessLevels
google.identity.accesscontextmanager.v1alpha.AccessContextManager.ReplaceServicePerimeters
google.identity.accesscontextmanager.v1alpha.AccessContextManager.SetIamPolicy
google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateAccessLevel
google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateAccessPolicy
google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateAuthorizedOrgsDesc
google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateGcpUserAccessBinding
google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateServicePerimeter

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.



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CreateAccessLevel

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.CreateAccessLevel
```

- **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.v1.AccessContextManager.CreateAccessLevel"
```

CreateAccessPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.CreateAccessPolicy
```

- **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.AccessContextManager.CreateAccessPolicy"
```

CreateAuthorizedOrgsDesc

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.CreateAuthorizedOrgsDesc
```

- **Audit log type:** Admin activity

- **Permissions:**

- accesscontextmanager.authorizedOrgsDescs.create - ADMIN_WRITE

- **Method is a long-running or streaming operation:** Long-running operation



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CreateServicePerimeter

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.CreateServicePerimeter
```

- **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.AccessContextManager.CreateServicePerimeter"
```

DeleteAccessLevel

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.DeleteAccessLevel
```

- **Audit log type:** Admin activity

- **Permissions:**

- `accesscontextmanager.accessLevels.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.DeleteAccessLevel"
```

DeleteAccessPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1.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.v1.AccessContextManager.DeleteAccessPolicy"
```



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- **Audit log type:** Admin activity

- **Permissions:**

- `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.v1.AccessContextManager.DeleteGcpUserAccessBinding"`

DeleteServicePerimeter

- **Method:**

- `google.identity.accesscontextmanager.v1.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:**

- `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.

- **Filter for this method:**

- `protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.GetAccessLevel"`

GetAccessPolicy

- **Method:**



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```
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.

- **Filter for this method:**

```
protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.GetGcpUserAccessBinding"
```

GetIamPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.GetIamPolicy
```

- **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.v1.AccessContextManager.GetIamPolicy"
```

GetServicePerimeter

- **Method:**

```
google.identity.accesscontextmanager.v1.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.policies.list - ADMIN_READ

- **Method is a long-running or streaming operation:** No.

- **Filter for this method:**

- protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.ListAccessPolicies"

ListAuthorizedOrgsDescs

- **Method:**

- protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.ListAuthorizedOrgsDescs"

- **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.AccessContextManager.ListAuthorizedOrgsDescs"

ListGcpUserAccessBindings

- **Method:**

- protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.ListGcpUserAccessBindings"

- **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.v1.AccessContextManager.ListGcpUserAccessBindings"

ListServicePerimeters

- **Method:**

- protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.ListServicePerimeters"



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```
protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.ReplaceAccessLevels"
```

ReplaceServicePerimeters

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.ReplaceServicePerimeters
```

- **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.v1.AccessContextManager.ReplaceServicePerimeters"
```

SetIamPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.SetIamPolicy
```

- **Audit log type:** Admin activity

- **Permissions:**

- `accesscontextmanager.policies.setIamPolicy` -
ADMIN_WRITE

- **Method is a long-running or streaming operation:** No.

- **Filter for this method:**

```
protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.SetIamPolicy"
```

UpdateAccessLevel

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.UpdateAccessLevel
```

- **Audit log type:** Admin activity

- **Permissions:**

- `accesscontextmanager.accessLevels.update` -
ADMN_WDTE



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UpdateAuthorizedOrgsDesc

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.UpdateAuthorizedOrgsDesc
```

- **Audit log type:** Admin activity

- **Permissions:**

- `accesscontextmanager.authorizedOrgsDescs.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.UpdateAuthorizedOrgsDesc"
```

UpdateGcpUserAccessBinding

- **Method:**

```
google.identity.accesscontextmanager.v1.AccessContextManager.UpdateGcpUserAccessBinding
```

- **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

- **Filter for this method:**

```
protoPayload.methodName="google.identity.accesscontextmanager.v1.AccessContextManager.UpdateServicePerimeter"
```



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operation

- **Filter for this method:**

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

CreateAccessLevel

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateAccessLevel
```

- **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.AccessContextManager.CreateAccessLevel"
```

CreateAccessPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateAccessPolicy
```

- **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.v1alpha.AccessContextManager.CreateAccessPolicy"
```

CreateAuthorizedOrgsDesc

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateAuthorizedOrgsDesc
```

- **Audit log type:** Admin activity

- **Permissions:**

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protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateGcpUserAccessBinding"

CreateServicePerimeter

- Method: `google.identity.accesscontextmanager.v1alpha.AccessContextManager.CreateServicePerimeter`
- 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.v1alpha.AccessContextManager.CreateServicePerimeter"`

DeleteAccessLevel

- Method: `google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessLevel`
- Audit log type: Admin activity
- Permissions:
 - `accesscontextmanager.accessLevels.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.DeleteAccessLevel"`

DeleteAccessPolicy

- Method: `google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteAccessPolicy`
- Audit log type: Admin activity
- Permissions:



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DeleteGcpUserAccessBinding

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContextManager.DeleteGcpUserAccessBinding
```

- **Audit log type:** Admin activity

- **Permissions:**

- `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:**

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

GetAccessLevel

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetAccessLevel
```

- **Audit log type:** Data access

- **Permissions:**

- `accesscontextmanager.accessLevels.get - ADMIN_READ`

- **Method is a long-running or streaming operation: No**



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- **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.v1alpha.AccessContextManager.GetAuthorizedOrgsDesc"`

GetGcpUserAccessBinding

- **Method:**

- `google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetGcpUserAccessBinding`

- **Audit log type:** Data access

- **Permissions:**

- `accesscontextmanager.gcpUserAccessBindings.get` -
ADMIN_READ

- **Method is a long-running or streaming operation:** No.

- **Filter for this method:**

- `protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetGcpUserAccessBinding"`

GetIamPolicy

- **Method:**

- `google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetIamPolicy`

- **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.AccessContext`



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"ger.v1alpha.AccessContextManager.ListAccessPolicies"

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ListGcpUserAccessBindings

- **Method:**

google.identity.accesscontextmanager.v1alpha.AccessContextManager.ListGcpUserAccessBindings

- **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.

- **Filter for this method:**

protoPayload.methodName="google.identity.accesscontextmanager.v1alpha.AccessContextManager.ListServicePerimeters"

ReplaceAccessLevels

- **Method:**

google.identity.accesscontextmanager.v1alpha.AccessContextManager.ReplaceAccessLevels

- **Audit log type:** Admin activity

- **Permissions:**

- accesscontextmanager.accessLevels.replaceAll - ADMIN_WRITE

- **Method is a long-running or streaming operation:** Long-running



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SetIamPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContext  
Manager.SetIamPolicy
```

- **Audit log type:** Admin activity

- **Permissions:**

- `accesscontextmanager.policies.setIamPolicy` -
ADMIN_WRITE

- **Method is a long-running or streaming operation:** No.

- **Filter for this method:**

```
protoPayload.methodName="google.identity.accesscontextma  
ger.v1alpha.AccessContextManager.SetIamPolicy"
```

UpdateAccessLevel

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContext  
Manager.UpdateAccessLevel
```

- **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.accesscontextma  
ger.v1alpha.AccessContextManager.UpdateAccessLevel"
```

UpdateAccessPolicy

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContext  
Manager.UpdateAccessPolicy
```

- **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.accesscontextma  
ger.v1alpha.AccessContextManager.UpdateAccessPolicy"
```



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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.v1alpha.AccessContextManager.UpdateGcpUserAccessBinding"
```

UpdateServicePerimeter

- **Method:**

```
google.identity.accesscontextmanager.v1alpha.AccessContextManager.UpdateServicePerimeter
```

- **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

- **Permissions:**

- `accesscontextmanager.accessLevels.get` - ADMIN_READ
 - `accesscontextmanager.servicePerimeters.get` -
ADMIN_READ

- **Method is a long-running or streaming operation:** No.

- **Filter for this method:**



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er.TestIamPermissions

- google.identity.accesscontextmanager.v1alpha.AccessContextManager.GetSupportedService
- google.identity.accesscontextmanager.v1alpha.AccessContextManager.ListSupportedServices
- google.identity.accesscontextmanager.v1alpha.AccessContextManager.TestIamPermissions
- google.longrunning.Operations.CancelOperation
- google.longrunning.Operations.DeleteOperation
- google.longrunning.Operations.ListOperations
- google.longrunning.Operations.WaitOperation

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