

Cloud AutoML Vision Object Detection

Policy

Defines an Identity and Access Management (IAM) policy. It is used to specify access control policies for Cloud Platform resources.

A **Policy** is a collection of **bindings**. A **binding** binds one or more **members** to a single **role**. Members can be user accounts, service accounts, Google groups, and domains (such as G Suite). A **role** is a named list of permissions (defined by IAM or configured by users). A **binding** can optionally specify a **condition**, which is a logic expression that further constrains the role binding based on attributes about the request and/or target resource.

JSON Example

```
{
  "bindings": [
    {
      "role": "roles/resourcemanager.organizationAdmin",
      "members": [
        "user:mike@example.com",
        "group:admins@example.com",
        "domain:google.com",
        "serviceAccount:my-project-id@appspot.gserviceaccount.com"
      ]
    },
    {
      "role": "roles/resourcemanager.organizationViewer",
      "members": ["user:eve@example.com"],
      "condition": {
        "title": "expirable access",
        "description": "Does not grant access after Sep 2020",
        "expression": "request.time <
timestamp('2020-10-01T00:00:00.000Z')",
      }
    }
  ]
}
```

YAML Example

```
bindings:
- members:
```

```
- user:mike@example.com
- group:admins@example.com
- domain:google.com
- serviceAccount:my-project-id@appspot.gserviceaccount.com
  role: roles/resourcemanager.organizationAdmin
- members:
  - user:eve@example.com
    role: roles/resourcemanager.organizationViewer
    condition:
      title: expirable access
      description: Does not grant access after Sep 2020
      expression: request.time < timestamp('2020-10-01T00:00:00.000Z')
```

For a description of IAM and its features, see the [IAM developer's guide](https://cloud.google.com/iam/docs) (<https://cloud.google.com/iam/docs>).

JSON representation

```
{
  "version": number,
  "bindings": [
    {
      object (Binding (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/Policy#Binding))
    }
  ],
  "etag": string
}
```

Fields

Fields

version	number Specifies the format of the policy. Valid values are 0, 1, and 3. Requests specifying an invalid value will be rejected. Operations affecting conditional bindings must specify version 3. This can be either setting a conditional policy, modifying a conditional binding, or removing a conditional binding from the stored conditional policy. Operations on non-conditional policies may specify any valid value or leave the field unset. If no etag is provided in the call to setIamPolicy , any version compliance checks on the incoming and/or stored policy is skipped.
bindings[]	object (<u>Binding</u> (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/Policy#Binding)) Associates a list of members to a role . Optionally may specify a condition that determines when binding is in effect. bindings with no members will result in an error.
etag	string (<u>bytes</u> (https://developers.google.com/discovery/v1/type-format) format) etag is used for optimistic concurrency control as a way to help prevent simultaneous updates of a policy from overwriting each other. It is strongly suggested that systems make use of the etag in the read-modify-write cycle to perform policy updates in order to avoid race conditions: An etag is returned in the response to getIamPolicy , and systems are expected to put that etag in the request to setIamPolicy to ensure that their change will be applied to the same version of the policy. If no etag is provided in the call to setIamPolicy , then the existing policy is overwritten. Due to blind-set semantics of an etag-less policy, 'setIamPolicy' will not fail even if either of incoming or stored policy does not meet the version requirements. A base64-encoded string.

Binding

Associates **members** with a **role**.

JSON representation

```
{
  "role": string,
  "members": [
    string
  ],
  "condition": {
    object (Expr (https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/Policy))
  }
}
```

Fields

role	string Role that is assigned to members . For example, roles/viewer , roles/editor , or roles/owner .
members[]	string Specifies the identities requesting access for a Cloud Platform resource. members can have the following values: <ul style="list-style-type: none"> • allUsers: A special identifier that represents anyone who is on the internet; with or without a Google account. • allAuthenticatedUsers: A special identifier that represents anyone who is authenticated with a Google account or a service account. • user:{emailid}: An email address that represents a specific Google account. For example, alice@example.com. • serviceAccount:{emailid}: An email address that represents a service account. For example, my-other-app@appspot.gserviceaccount.com. • group:{emailid}: An email address that represents a Google group. For example, admins@example.com. • domain:{domain}: The G Suite domain (primary) that represents all the users of that domain. For example, google.com or example.com.

Fields

condition

object (Expr)

(<https://cloud.google.com/vision/automl/object-detection/docs/reference/rest/v1beta1/Policy#Expr>)

The condition that is associated with this binding. NOTE: An unsatisfied condition will not allow user access via current binding. Different bindings, including their conditions, are examined independently.

Expr

Represents an expression text. Example:

```
title: "User account presence"
description: "Determines whether the request has a user account"
expression: "size(request.user) > 0"
```

JSON representation

```
{
  "expression": string,
  "title": string,
  "description": string,
  "location": string
}
```

Fields

expression

string

Textual representation of an expression in Common Expression Language syntax.

The application context of the containing message determines which well-known feature set of CEL is supported.

Fields	
title	string An optional title for the expression, i.e. a short string describing its purpose. This can be used e.g. in UIs which allow to enter the expression.
description	string An optional description of the expression. This is a longer text which describes the expression, e.g. when hovered over it in a UI.
location	string An optional string indicating the location of the expression for error reporting, e.g. a file name and a position in the file.

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