

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

A **Policy** consists of a list of **bindings**. A **binding** binds a list of **members** to a **role**, where the members can be user accounts, Google groups, Google domains, and service accounts. A **role** is a named list of permissions defined by IAM.

JSON Example

YAML Example

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

Fields

version
(deprecated)

number



This item is deprecated!

Deprecated.

bindings[]

object([Binding](#)
(/video-intelligence/automl/docs/reference/rest/v1beta1/Policy#Binding)
)

Associates a list of **members** to a **role**. **bindings** with no members will result in an error.

Fields

etag

string (**bytes**
(<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 blindly.

A base64-encoded string.

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

JSON representation

Fields

role

string

Role that is assigned to **members**. For example, **roles/viewer**, **roles/editor**, or **roles/owner**.

Fields

members[]

string

Specifies the identities requesting access for a Cloud Platform resource. **members** can have the following values:

- **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@gmail.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**.

condition

object(Expr

(/video-intelligence/automl/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.

Represents an expression text. Example:

JSON representation

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.
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.