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).

JSON representation

Fields

`version` `(deprecated)`	`number`
	⚠ This item is deprecated!
	Deprecated.
`bindings[]`	`object(`Binding `(/translate/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 (<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 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}`: A Google Apps domain name that represents all the users of that domain. For example, **google.com** or **example.com**.
`condition`	**object(**<u>Expr</u> **(/translate/automl/docs/reference/rest/v1beta1/Policy#Expr))** Unimplemented. 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.