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IAM > Documentation > Reference

# REST Resource: projects.serviceAccounts

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## Resource: ServiceAccount

An IAM service account.

A service account is an account for an application or a virtual machine (VM) instance, not a person. You can use a service account to call Google APIs. To learn more, read the [overview of service accounts](#).

When you create a service account, you specify the project ID that owns the service account, as well as a name that must be unique within the project. IAM uses these values to create an email address that identifies the service account. //

### JSON representation

```
{
  "name": string,
  "projectId": string,
  "uniqueId": string,
  "email": string,
  "displayName": string,
  "etag": string,
  "description": string,
  "oauth2ClientId": string,
  "disabled": boolean
}
```

### Fields

**name**

**string**

The resource name of the service account.

Use one of the following formats:

- `projects/{PROJECT_ID}/serviceAccounts/{EMAIL_ADDRESS}`
- `projects/{PROJECT_ID}/serviceAccounts/{UNIQUE_ID}`

As an alternative, you can use the `-` wildcard character instead of the project ID:

- `projects/-/serviceAccounts/{EMAIL_ADDRESS}`
- `projects/-/serviceAccounts/{UNIQUE_ID}`

When possible, avoid using the `-` wildcard character, because it can cause response messages to contain misleading error codes. For example, if you try to access the service account `projects/-/serviceAccounts/fake@example.com`, which does not exist, the response contains an HTTP 403 `Forbidden` error instead of a 404 `NotFound` error.

**projectId**

**string**

Output only. The ID of the project that owns the service account.

**uniqueId**

**string**

Output only. The unique, stable numeric ID for the service account.

Each service account retains its unique ID even if you delete the service account. For example, if you delete a service account, then create a new service account with the same name, the new service account has a different unique ID than the deleted service account.

**email**

**string**

Output only. The email address of the service account.

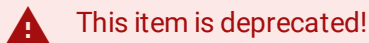
**displayName**

**string**

Optional. A user-specified, human-readable name for the service account. The maximum length is 100 UTF-8 bytes.

etag  
(deprecated)

string (bytes format)



Deprecated. Do not use.

A base64-encoded string.

description

string

Optional. A user-specified, human-readable description of the service account. The maximum length is 256 UTF-8 bytes.

oauth2ClientId

string

Output only. The OAuth 2.0 client ID for the service account.

disabled

boolean

Output only. Whether the service account is disabled.

Methods

create

Creates a [ServiceAccount](#).

delete

Deletes a [ServiceAccount](#).

disable

Disables a [ServiceAccount](#) immediately.

### [enable](#)

Enables a [ServiceAccount](#) that was disabled by [DisableServiceAccount](#).

### [get](#)

Gets a [ServiceAccount](#).

### [getIamPolicy](#)

Gets the IAM policy that is attached to a [ServiceAccount](#).

### [list](#)

Lists every [ServiceAccount](#) that belongs to a specific project.

### [patch](#)

Patches a [ServiceAccount](#).

### [setIamPolicy](#)

Sets the IAM policy that is attached to a [ServiceAccount](#).

### [signBlob](#) (deprecated)

**Note:** This method is deprecated.

### [signJwt](#) (deprecated)

**Note:** This method is deprecated.

### [testIamPermissions](#)

Tests whether the caller has the specified permissions on a [ServiceAccount](#).

### [undelete](#)

Restores a deleted [ServiceAccount](#).

### [update](#)

**Note:** We are in the process of deprecating this method.


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