- **SourceRepo**
  (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.SourceRepo)
  (interface)

- **CreateRepoRequest**
  (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.CreateRepoRequest)
  (message)

- **DeleteRepoRequest**
  (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.DeleteRepoRequest)
  (message)

- **GetProjectConfigRequest**
  (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.GetProjectConfigRequest)
  (message)

- **GetRepoRequest**
  (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.GetRepoRequest)
  (message)

- **ListReposRequest**
  (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.ListReposRequest)
  (message)

- **ListReposResponse**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.List
  ReposResponse)

  (message)

- **MirrorConfig**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Mirr
  orConfig)

  (message)

- **ProjectConfig**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Proj
  ectConfig)

  (message)

- **PubsubConfig**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Pub
  subConfig)

  (message)

- **PubsubConfig.MessageFormat**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Pub
  subConfig.MessageFormat)

  (enum)

- **Repo**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Rep
  o)

  (message)

- **UpdateProjectConfigRequest**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Upd
  ateProjectConfigRequest)

  (message)

- **UpdateRepoRequest**
  (/source-
  repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.UpdateRepoRequest)
  (message)

The Source Repo API service.

CreateRepo

```
rpc CreateRepo(CreateRepoRequest
 (/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.CreateRepoRequest)
) returns (Repo
 (/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Repo)
)
```

Creates a repo in the given project with the given name.

If the named repository already exists, `CreateRepo` returns `ALREADY_EXISTS`.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

DeleteRepo

DeleteRepo

`rpc DeleteRepo(`[DeleteRepoRequest](/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.DeleteRepoRequest)`)` `returns (`[Empty](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Empty)`)`

Deletes a repo.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the [Authentication Overview](https://cloud.google.com/docs/authentication/).

GetIamPolicy

`rpc GetIamPolicy(`[GetIamPolicyRequest](/source-repositories/docs/reference/rpc/google.iam.v1#google.iam.v1.GetIamPolicyRequest)`)` `returns (`[Policy](/source-repositories/docs/reference/rpc/google.iam.v1#google.iam.v1.Policy)`)`

Gets the access control policy for a resource. Returns an empty policy if the resource exists and does not have a policy set.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the [Authentication Overview](https://cloud.google.com/docs/authentication/).

GetProjectConfig

GetProjectConfig

```
rpc GetProjectConfig(GetProjectConfigRequest
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.GetProject
ConfigRequest)
) returns (ProjectConfig
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.ProjectCon
fig)
)
```

Returns the Cloud Source Repositories configuration of the project.

Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

GetRepo

GetRepo

```
rpc GetRepo(GetRepoRequest
 (/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.GetRepoRe
quest)
) returns (Repo
 (/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Repo)
)
```

Returns information about a repo.

Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

ListRepos

ListRepos

```
rpc ListRepos(ListReposRequest
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.ListRepos
Request)
) returns (ListReposResponse
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.ListRepos
Response)
)
```

Returns all repos belonging to a project. The sizes of the repos are not set by ListRepos. To get the size of a repo, use GetRepo.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

SetIamPolicy

```
rpc SetIamPolicy(SetIamPolicyRequest
(/source-repositories/docs/reference/rpc/google.iam.v1#google.iam.v1.SetIamPolicyRequest)) returns
(Policy (/source-repositories/docs/reference/rpc/google.iam.v1#google.iam.v1.Policy))
```

Sets the access control policy on the specified resource. Replaces any existing policy.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

TestIamPermissions

```
rpc TestIamPermissions(TestIamPermissionsRequest
(/source-repositories/docs/reference/rpc/google.iam.v1#google.iam.v1.TestIamPermissionsRequest))
returns (TestIamPermissionsResponse
(/source-repositories/docs/reference/rpc/google.iam.v1#google.iam.v1.TestIamPermissionsResponse))
```

Returns permissions that a caller has on the specified resource. If the resource does not exist, this will return an empty set of permissions, not a NOT_FOUND error.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

UpdateProjectConfig

```
rpc UpdateProjectConfig(UpdateProjectConfigRequest
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.UpdateProj
ectConfigRequest)
) returns (ProjectConfig
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.ProjectCon
fig)
)
```

Updates the Cloud Source Repositories configuration of the project.

Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

UpdateRepo

```
rpc UpdateRepo(UpdateRepoRequest
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.UpdateRep
oRequest)
) returns (Repo
(/source-
repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Repo)
)
```

Updates information about a repo.

Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

Request for CreateRepo

Fields

parent	string
	The project in which to create the repo. Values are of the form `projects/<project>`.
	Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource `parent`:
	- `source.repos.create`

Fields

repo	[Repo](/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Repo) The repo to create. Only name should be set; setting other fields is an error. The project in the name should match the parent field.

Request for DeleteRepo.

Fields

name	`string` The name of the repo to delete. Values are of the form `projects/<project>/repos/<repo>`. Authorization requires the following [Google IAM](https://cloud.google.com/iam) permission on the specified resource **name**: • `source.repos.delete`

Request for GetProjectConfig.

Fields

Fields

name	**string**
	The name of the requested project. Values are of the form `projects/<project>`.
	Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**:
	• `source.repos.getProjectConfig`

Request for GetRepo.

Fields

name	**string**
	The name of the requested repository. Values are of the form `projects/<project>/repos/<repo>`.
	Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**:
	• `source.repos.get`

Request for ListRepos.

Fields

Fields	
name	**string** The project ID whose repos should be listed. Values are of the form `projects/<project>`. Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**: • `source.repos.list`
page_size	**int32** Maximum number of repositories to return; between 1 and 500. If not set or zero, defaults to 100 at the server.
page_token	**string** Resume listing repositories where a prior ListReposResponse left off. This is an opaque token that must be obtained from a recent, prior ListReposResponse's next_page_token field.

Response for ListRepos. The size is not set in the returned repositories.

Fields	
repos[]	<u>Repo</u> (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Repo) The listed repos.
next_page_token	**string** If non-empty, additional repositories exist within the project. These can be retrieved by including this value in the next ListReposRequest's page_token field.

Configuration to automatically mirror a repository from another hosting service, for example GitHub or Bitbucket.

Fields

`url`	**string** URL of the main repository at the other hosting service.
`webhook_id`	**string** ID of the webhook listening to updates to trigger mirroring. Removing this webhook from the other hosting service will stop Google Cloud Source Repositories from receiving notifications, and thereby disabling mirroring.
`deploy_key_id`	**string** ID of the SSH deploy key at the other hosting service. Removing this key from the other service would deauthorize Google Cloud Source Repositories from mirroring.

Cloud Source Repositories configuration of a project.

Fields

`name`	**string** The name of the project. Values are of the form `projects/<project>`.
`pubsub_configs`	**map<string, PubsubConfig** (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.PubsubConfig) **>** How this project publishes a change in the repositories through Cloud Pub/Sub. Keyed by the topic names.

Fields	
`enable_private_key_check`	`bool` Reject a Git push that contains a private key.

Configuration to publish a Cloud Pub/Sub message.

Fields	
`topic`	`string` A topic of Cloud Pub/Sub. Values are of the form `projects/<project>/topics/<topic>`. The project needs to be the same project as this config is in.
`message_format`	[MessageFormat](/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.PubsubConfig.MessageFormat) The format of the Cloud Pub/Sub messages.
`service_account_email`	`string` Email address of the service account used for publishing Cloud Pub/Sub messages. This service account needs to be in the same project as the PubsubConfig. When added, the caller needs to have iam.serviceAccounts.actAs permission on this service account. If unspecified, it defaults to the compute engine default service account.

The format of the Cloud Pub/Sub messages.

Enums	

Enums

`MESSAGE_FORMAT_UNSPECIFIED`	Unspecified.
`PROTOBUF`	The message payload is a serialized protocol buffer of SourceRepoEvent.
`JSON`	The message payload is a JSON string of SourceRepoEvent.

A repository (or repo) is a Git repository storing versioned source content.

Fields

name	**string** Resource name of the repository, of the form `projects/<project>/repos/<repo>`. The repo name may contain slashes. eg, `projects/myproject/repos/name/with/slash`
size	**int64** The disk usage of the repo, in bytes. Read-only field. Size is only returned by GetRepo.
url	**string** URL to clone the repository from Google Cloud Source Repositories. Read-only field.
mirror_config	[MirrorConfig](/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.MirrorConfig) How this repository mirrors a repository managed by another service. Read-only field.

Fields

pubsub_configs	map<string, PubsubConfig (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.PubsubConfig) > How this repository publishes a change in the repository through Cloud Pub/Sub. Keyed by the topic names.

Request for UpdateProjectConfig.

Fields

name	string The name of the requested project. Values are of the form projects/<project>. Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource name: • source.repos.updateProjectConfig
project_config	ProjectConfig (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.ProjectConfig) The new configuration for the project.

Fields

update_mask	[FieldMask](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.FieldMask) A FieldMask specifying which fields of the project_config to modify. Only the fields in the mask will be modified. If no mask is provided, this request is no-op.

Request for UpdateRepo.

Fields

name	string The name of the requested repository. Values are of the form `projects/<project>/repos/<repo>`. Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**: • `source.repos.updateRepoConfig`
repo	<u>Repo</u> (/source-repositories/docs/reference/rpc/google.devtools.sourcerepo.v1#google.devtools.sourcerepo.v1.Repo) The new configuration for the repository.
update_mask	[FieldMask](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.FieldMask) A FieldMask specifying which fields of the repo to modify. Only the fields in the mask will be modified. If no mask is provided, this request is no-op.