You can use Cloud Source Repositories to add a Google Cloud repository as a remote to a local Git
repository.

You can add only private repositories as remotes.

1. In the Cloud Console, on the project selector page, select or create a Cloud project.

★ **Note**: If you don't plan to keep the resources that you create in this procedure, create a project instead of
selecting an existing project. After you finish these steps, you can delete the project, removing all resources
associated with the project.

[Go to the project selector page](https://console.cloud.google.com/projectselector2/home/dashboard) (https://console.cloud.google.com/projectselector2/home/dashboard)

2. Install Git (http://git-scm.com/).

3. Install and initialize the Cloud SDK (/sdk/docs/).

1. Change your current working directory to the directory that contains your local Git repository:

   Where `[REPO_DIRECTORY]` is the path to your repository.

2. On Linux or macOS, run the credential helper script:

Credential helper scripts provide the information that Git needs to connect securely to Cloud Source Repositories using your Google Account credentials. You don't need to perform any additional configuration steps (for example, uploading `ssh` keys) to establish this secure connection.

★ **Note:** The `gcloud` command-line tool must be in your `$PATH` for the credential helper scripts to work. If you cannot use the Cloud SDK, you can manually generate static credentials. For example, if you're on a build server, you might not have access to the Cloud SDK. For more information, see <u>Generating static credentials</u> (#generate_static_credentials) in this topic.

3. Create the repository in Cloud Source Repositories:

   Where `[REPO_NAME]` is the name for your Google Cloud repository.

4. Add a repository as a remote:

   Where:

   - `[PROJECT_ID]` is your Google Cloud project ID.

   - `[REPO_NAME]` is the name of your Google Cloud repository.

Google Cloud repositories are fully featured Git repositories. You can use the standard set of Git commands to interact with these repositories, including `push`, `pull`, `clone`, and `log`.

To push from your local Git repository to a Google Cloud repository, enter this command:

To pull from a Google Cloud repository to your local Git repository, enter this command:

To view the commit history, enter this command:

In some cases, you might not have access to the Cloud SDK. For example, you might work on a build server that doesn't have access to these tools. In these situations, you can manually generate static credentials.

1. In the Google Cloud Console, open Cloud Source Repositories.

   Open Cloud Source Repositories (https://source.cloud.google.com/repos)

2. Hold the pointer over the repository you want to clone.

3. Click **Clone** ➕ .

   A dialog with authentication options opens.

4. Click the **Manually generated credentials** tab and follow the instructions to clone your repository.

- After you have pushed source files to Cloud Source Repositories, you can view repository files from within the GCP Console.

- Learn how to use the source browser (/source-repositories/docs/using-source-browser).