

This page shows how to enable Cloud Tools for PowerShell, authenticate with the Cloud SDK, and run PowerShell cmdlets.

Complete the following steps:

1. [Sign in](https://accounts.google.com/Login) (https://accounts.google.com/Login) to your Google Account.

If you don't already have one, [sign up for a new account](https://accounts.google.com/SignUp) (https://accounts.google.com/SignUp).

2. 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)

3. Make sure that billing is enabled for your Google Cloud project. [Learn how to confirm billing is enabled for your project](#) (/billing/docs/how-to/modify-project).
4. Install the Cloud SDK from the PowerShell command line by running the following command as an administrator:

Cloud Tools for PowerShell uses your credentials and settings stored in the Cloud SDK to enable the cmdlets. To use the cmdlets, first login using the SDK:

1. At the command prompt, run the following:

2. Accept the option to log in using your Google user account:

```
To continue, you must log in. Would you like to log in (Y/n)? Y
```

3. In your browser, log in to your Google user account when prompted and click **Allow** to grant permission to access Google Cloud resources.

4. At the command prompt, select a Cloud Platform project in which you have Owner, Editor or Viewer permissions:

After authenticating, you can start using Cloud Tools for PowerShell. Open a PowerShell window and try running the following commands.

Get all buckets for the current project, for a specific project, or a specific bucket:

List all Compute Engine instances associated with a project:

Cloud Tools for PowerShell includes a PowerShell provider for Cloud Storage. This provider allows you to use commands like `cd`, `dir`, `copy` and `del` to navigate and manipulate your data in Cloud Storage as if the data were on a local file system.

To directly use the provider, you can start Cloud Tools for PowerShell using the shortcut from the start menu. This will launch a PowerShell console with the provider loaded:

You can also make the Cloud Storage provider available in any PowerShell session by importing the Cloud Tools for PowerShell module via `Import-Module GoogleCloud`.

You can learn more about specific cmdlets by referring to the Cloud Tools for PowerShell [cmdlet reference](https://googlecloudplatform.github.io/google-cloud-powershell/) (<https://googlecloudplatform.github.io/google-cloud-powershell/>), or by using the built-in help system from within PowerShell:

