

[Management Tools](https://cloud.google.com/products/management/) (https://cloud.google.com/products/management/)

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Open in Cloud Shell

The *Open in Cloud Shell* feature allows you to publish a link that opens the Cloud Console and either automatically clones a Git repository into Cloud Shell or starts Cloud Shell with a custom image. It also allows for instructions to be printed to the terminal to help users interact with the content.

The *Open in Cloud Shell* feature helps developers experiment with code samples and APIs without having to worry about downloading Cloud SDK, installing required dependencies, or searching for relevant source files. This page explains how to add this feature to your Git repository.

Currently, only GitHub and Bitbucket repositories are whitelisted. If you would like to add a different repository, [send feedback](https://cloud.google.com) (https://cloud.google.com) with the repository type you'd like to use with *Open in Cloud Shell*.

URL parameters

The *Open in Cloud Shell* link, optionally embedded in a button image, can be added to the README.md of any directory in your Git repository. The recommended location for this link is the root README.md of your Git repository.

To add functionality to this *Open in Cloud Shell* interaction, you'll have to use a base URL of `ssh.cloud.google.com` (or any page in the Cloud Console that begins with `console.cloud.google.com`) with at least one of these two URL parameters:

URL Parameter	Description	Supported Values
<code>cloudshell_git_repo</code>	URL of the Git repository to clone.	Valid URL for a Git repository.
	The specified repository will be cloned and the root of the project folder will be opened, displaying its contents in the left hand navigation pane.	This consists of a whitelisted domain (GitHub or Bitbucket) and a path composed with these valid characters [a-zA-Z0-9_-.].

cloudshell_image Specifies custom Docker image that runs a URL of a Docker image hosted in [Google customized environment](https://cloud.google.com/shell/docs/configuring-cloud-shell/#custom_environments) (https://cloud.google.com/shell/docs/configuring-cloud-shell/#custom_environments) during the session. This allows you to provide custom tooling in Cloud Shell for working with your repository. Note that this creates a temporary environment with a scratch home directory that will be deleted on session end.

URL of a Docker image hosted in [Google Container Registry](https://cloud.google.com/container-registry/). (<https://cloud.google.com/container-registry/>) The Docker image must be based off the base Cloud Shell image and be publicly accessible. Note that a large image will take some time to download to the Cloud Shell VM when the URL is opened.

This tutorial can be started by running ``cloudshell launch-tutorial /google/devshell/tutorials/custom-image-tutorial.md`` inside Cloud Shell.

Additionally, you can specify any of these optional parameters:

URL Parameter	Description	Supported Values
<code>cloudshell_git_branch</code>	The specific branch from the git repository to clone. Only applicable when <code>`cloudshell_git_repo`</code> is specified. The default branch is <i>master</i> .	Any valid branch in the repository. Characters must match this whitelist: <code>[a-zA-Z0-9~_./:]</code>
<code>cloudshell_working_dir</code>	Working directory to land the user in on the command line.	Any valid file path. Characters must match this whitelist: <code>[a-zA-Z0-9~_./:]</code>
<code>cloudshell_open_in_editor</code>	File(s) to be opened in the integrated editor. Can be repeated to specify multiple files to open. If multiple are specified, they will be opened in the order provided. Specified file(s) will be opened in the right hand editor tabs, one tab per file, in the opened project. File paths are relative to the current directory. If the <i>working_dir</i> param is provided, the path to these files will be treated as relative to <i>working_dir</i> .	Any valid file path. Characters must match this whitelist: <code>[a-zA-Z0-9~_./:]</code>
<code>cloudshell_print</code>	File in the Git repository, usually consisting of instructions to be printed to the terminal	Any valid file path. Characters must match this whitelist: <code>[a-zA-Z0-9~_./:]</code>

to guide a user's next steps. The file path is relative to the current directory.

If the `working_dir` param is provided, the path to this file will be treated as relative to `working_dir`.

cloudshell_tutorial	<u>Tutorial Markdown</u> (https://cloud.google.com/shell/docs/tutorials#writing_a_tutorial) file in the Git repository consisting of instructions to be launched as a tutorial to guide users through a project. The file path is relative to the current directory.	Any well-formed Tutorial Markdown file with a valid filename.
shellonly	Open with just the command line (and not the editor).	(and not <code>`true`</code> , <code>`false`</code>)

Examples

To provide a link to open a sample Git repository in Cloud Shell, you would need to use Markdown such as the following snippet to embed the link in your repository's README.md:

```
[![Open in Cloud Shell](https://gstatic.com/cloudssh/images/open-btn.svg)](https://s
```

If you'd rather embed this functionality into a website, the HTML equivalent to the above snippet:

```
<a href="https://ssh.cloud.google.com/cloudshell/editor?cloudshell_git_repo=http://p
```

If you would like to define the intended behaviour of the Open in Cloud Shell link more specifically, you can use the form below to experiment with parameters to determine the expected URL needed to open your repository in Cloud Shell.

Output Format:

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