

Log in to Terraform Cloud from the CLI

 developer.hashicorp.com/terraform/tutorials/certification-associate-tutorials/cloud-login

Terraform Cloud runs Terraform operations and stores state remotely, so you can use Terraform without worrying about the stability of your local machine, or the security of your state file.

To use Terraform Cloud from the command line, you must log in. Logging in allows you to trigger remote plans and runs, migrate state to the cloud, and perform other remote operations on configurations with Terraform Cloud.

Prerequisites

- The [Terraform CLI](#) (version 1.1.0+) installed locally
- A [Terraform Cloud](#) account

Tip: If you are using an older version of Terraform, set up a [CLI configuration file](#) to authenticate to Terraform Cloud.

Start the **login** flow

In order to authenticate with Terraform Cloud, run the **terraform login** subcommand. Respond **yes** to the prompt to confirm that you want to authenticate.

```
$ terraform login
Terraform will request an API token for app.terraform.io using your browser.
```

If login is successful, Terraform will store the token in plain text in the following file for use by subsequent commands:

```
/Users/redacted/.terraform.d/credentials.tfrc.json
```

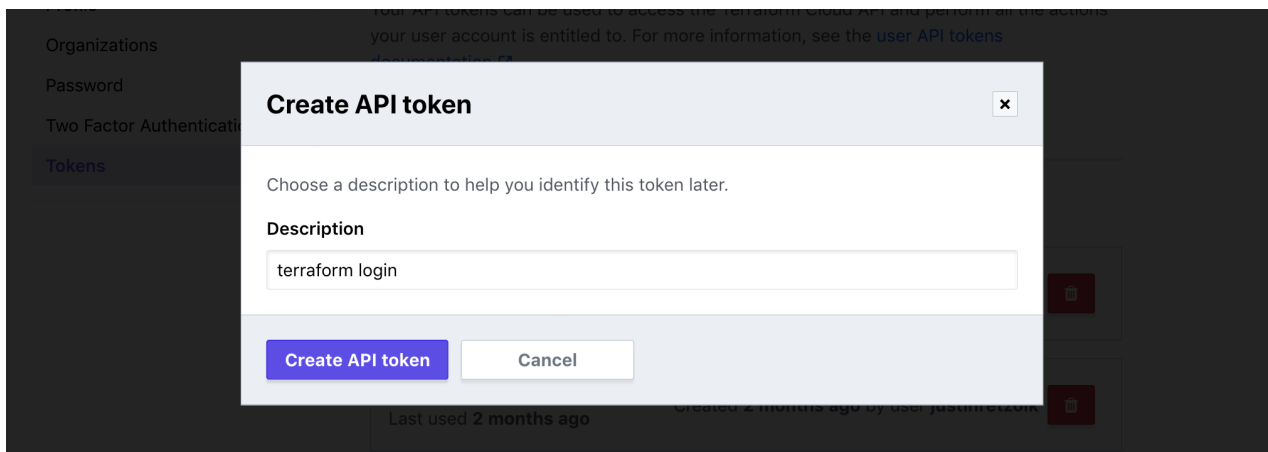
```
Do you want to proceed?
Only 'yes' will be accepted to confirm.
```

```
Enter a value: yes
```

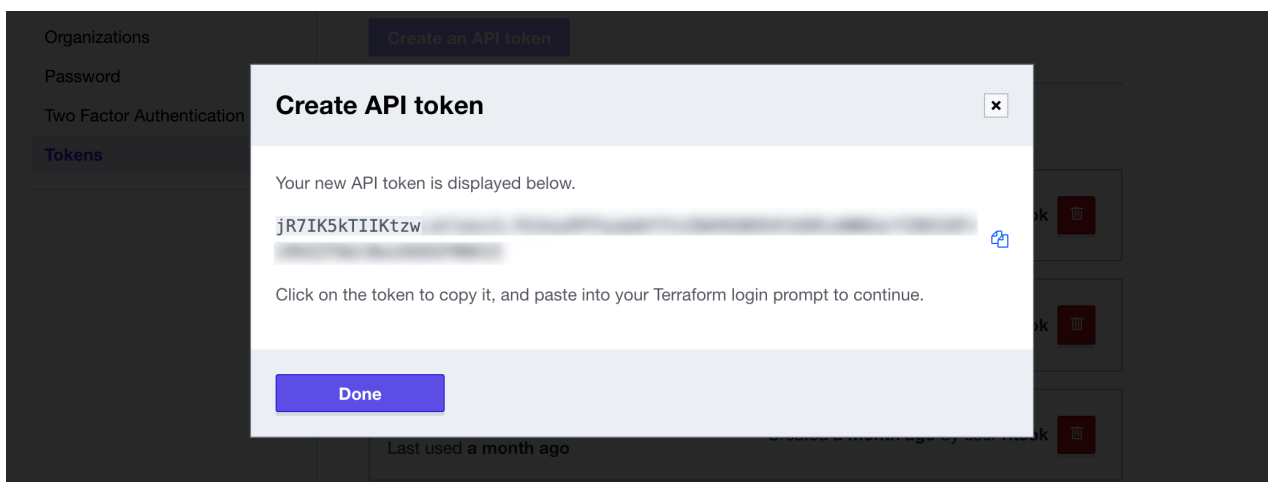
Generate a token

A browser window will automatically open to the Terraform Cloud login screen. Enter a token name in the web UI, or leave the default name, **terraform login**.

Tip: If your browser does not open automatically, navigate to the URL output in your terminal or [click here](#) to go to the token creation UI.



Click **Create API token** to generate the authentication token.



Save a copy of the token in a secure location. It provides access to your Terraform Cloud organization. Terraform will also store your token locally at the file path specified in the command output.

Add the token to the CLI

When the Terraform CLI prompts you, paste the user token exactly once into your terminal. Terraform will hide the token for security when you paste it into your terminal. Press **Enter** to complete the authentication process.

Terraform must now open a web browser to the tokens page for app.terraform.io.

If a browser does not open this automatically, open the following URL to proceed:
`https://app.terraform.io/app/settings/tokens?source=terraform-login`

Generate a token using your browser, and copy-paste it into this prompt.

Terraform will store the token in plain text in the following file
for use by subsequent commands:
`/Users/redacted/.terraform.d/credentials.tfrc.json`

Token for app.terraform.io:
Enter a value:

Retrieved token for user redacted

Welcome to Terraform Cloud!

Next Steps

Once you have authenticated to Terraform Cloud, you are ready to perform remote operations. Continue to the [next tutorial](#) to create a new Terraform Cloud variable set.

Discover more remote operations to perform with a logged in CLI in the Terraform Cloud [CLI-driven Runs documentation](#).