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TERRAFORM CLOUD

Log in to Terraform Cloud from the CLI

🕐 3 MIN	PRODUCTS USED ▽ Terraform

This tutorial also appears in: 0.13 Release and Associate Tutorials.

Terraform Cloud can run Terraform configuration and store state remotely, allowing you to use Terraform without worrying about the stability of your local machine, or the security of your state file.

You can interact with Terraform Cloud using the Terraform CLI by logging in. Logging in allows you to trigger remote plans and runs, migrate state to the cloud, and perform other remote operations on configurations that includes Terraform Cloud as a remote back end.

Prerequisites

- The Terraform CLI (version 0.12.21 or higher) installed locally

- A Terraform Cloud account

Tip: If you are using an older version of Terraform, set up a CLI configuration file to authenticate.

Start the `login` flow

In order to authenticate with Terraform Cloud, run the `terraform login` subcommand. Terraform will prompt you to confirm that you want to authenticate by typing `yes` in your terminal.

```
$ terraform login                                          Copy
Terraform will request an API token for app.terraform.io using you

If login is successful, Terraform will store the token in plain te
the following file for use by subsequent commands:
    /Users/username/.terraform.d/credentials.tfrc.json

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

  Enter a value: yes
```
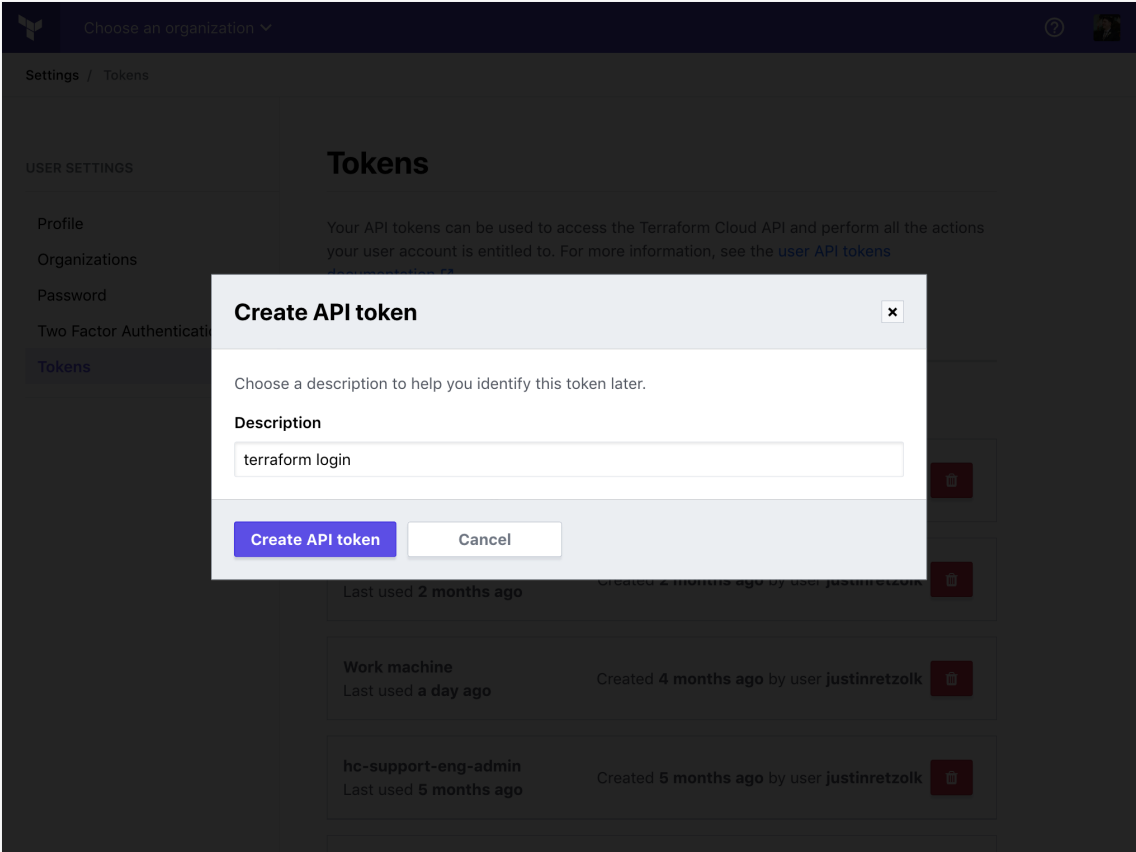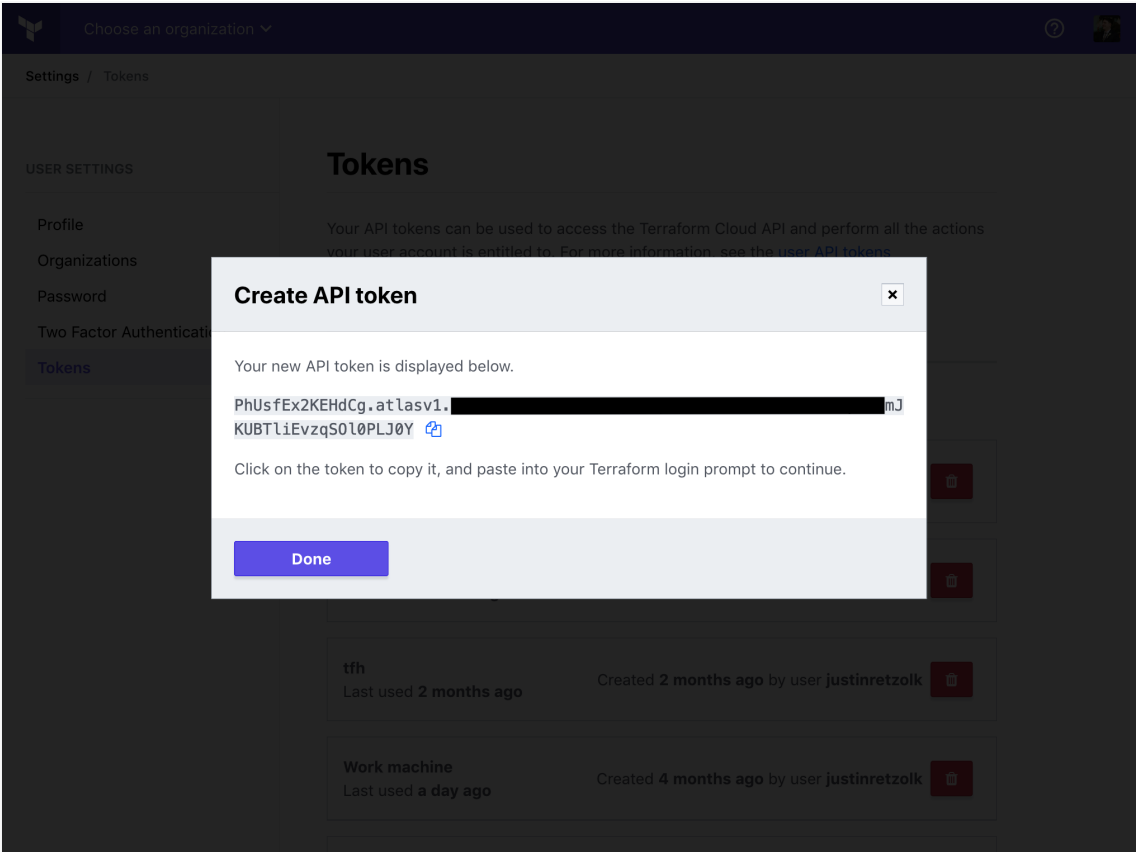
Generate a token

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 doesn't open automatically, navigate to the URL output in your terminal or click here to be taken to the token creation UI.

Click "Create API token" and Terraform Cloud will generate the
authentication token.

Save a copy of the token in a secure location. It provides access to your Terraform Cloud organization.

Add the token to the CLI

Your terminal will prompt you for the generated user token.

```
Terraform must now open a web browser to the tokens page              Copy ⎗

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


---------------------------------------------------------------

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

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

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

Paste the user token exactly once into your terminal. Terraform will hide the token for security, so when you paste it in you will not see it. Press **Enter** and you will now have access to the Terraform Cloud backend.

```
Retrieved token for user terraform_user                              Copy ⎗


---------------------------------------------------------------

Success! Terraform has obtained and saved an API token.

The new API token will be used for any future Terraform command tha
```

```
authenticated requests to app.terraform.io.
```

Next Steps

Once you have authenticated to Terraform Cloud, you're ready to perform remote operations. Continue to the next tutorial to migrate a state file to Terraform Cloud.

Discover more remote operations to perform with a logged in CLI in the Terraform Cloud CLI-driven Runs documentation.

Was this tutorial helpful?

Yes   No

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