

How to connect your terraform CLI in your local computer to terraform cloud

The main purpose of this activity is to **run terraform commands locally** and store the **terraformstate.tf** file generated locally in the cloud to allow easy collaboration of the DevoPs team in accessing state.

This is possible through **terraform CLI-driven workflow**

#### Choose your workflow

**Version control workflow** Most common  
Store your Terraform configuration in a git repository, and trigger runs based on pull requests and merges.  
[Learn More](#)

**CLI-driven workflow**  
Trigger remote Terraform runs from your local command line.  
[Learn More](#)

**API-driven workflow**  
A more advanced option. Integrate Terraform into a larger pipeline using the Terraform API.  
[Learn More](#)

Go to your VSC and create a file called **terraform-state.tf**

# vi

**Will be created by terraform**

Paste this information

```
terraform {  
  cloud {  
    organization = "Kabole-Application"
```

```
workspaces {  
  name = "just_a_minute"  
}  
}  
}
```

Save (wq)

This link is vital

<https://www.terraform.io/language/settings/backends/configuration>

Next run

```
# terraform login
```

Authentication code shall be requested by terraform through the website

Copy and paste the token in CLI installed in VSC

Enter

Authentication will be completed

```
Run # terraform init
```

Changes will be initialized, and the state file will be stored in the cloud/remotely.

Using a Backend Block

```
terraform {  
  backend "remote" {  
    organization = "example_corp"
```

```
workspaces {  
  name = "my-app-prod"  
}  
}  
}
```