


Terraform Cloud Account


- Create a Terraform account [Refer Here](#)

← → ↺ 🔍 https://app.terraform.io/session Google Lens ☆



HCP Terraform

Sign in to HCP Terraform

 Continue with HCP account

OR

Username or email

Password

[Forgot password?](#)


Sign in

Sign in with Terraform SSO.

Need to sign up? Create your [free account](#).

View [Terraform Offerings](#) to find out which one is right for you.

Create an account [Have an account? Sign in](#)

 Continue with HCP account

OR

Username

Email

Password


.....

☒ I agree to the Terms of Use.

☒ I acknowledge the Privacy Policy.

Please review the [Terms of Use](#) and [Privacy Policy](#).

Create account



HCP Terraform

You're minutes away from collaborating on infrastructure with your team.

☒ Single workflow across multiple providers to save time

☒ Write infrastructure as code to increase productivity

☒ Re-use configurations to reduce mistakes

Learn more about Terraform

- Go to your mail and select the mail received from HCP

☰ Gmail

Compose

Inbox 417

☆ Starred

Search mail

Primary

☐ ☆ HCP Terraform

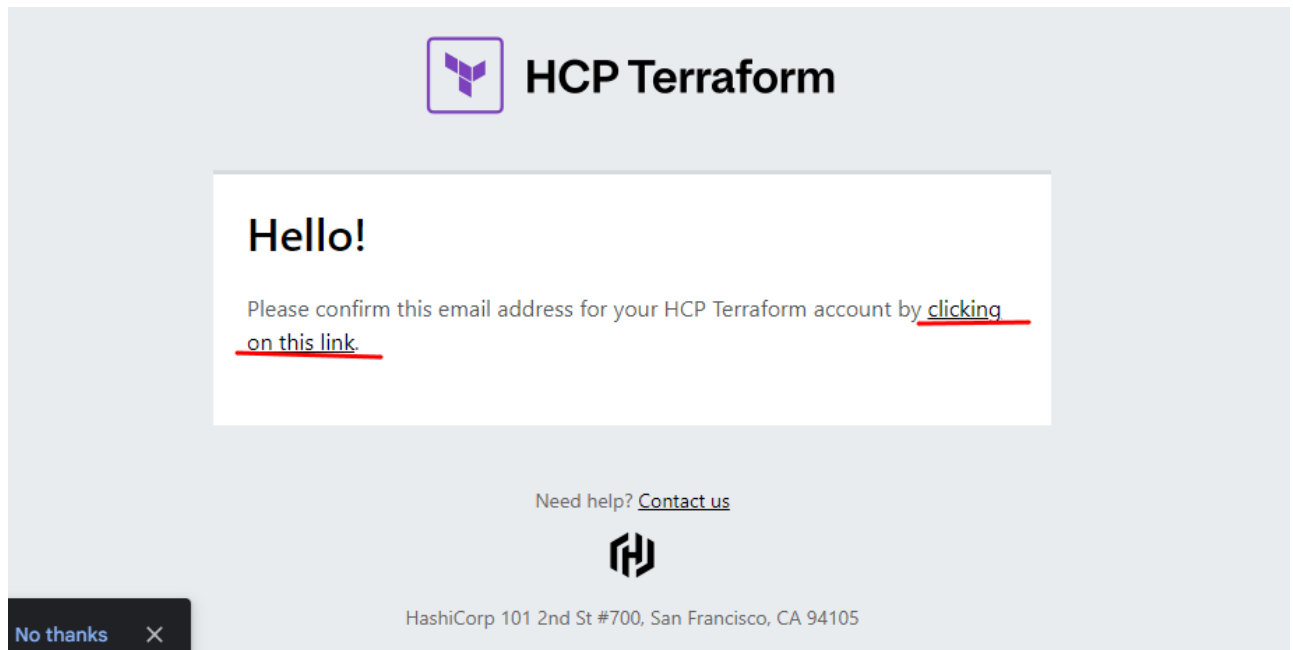
Promotions 50 new

Social 12 new

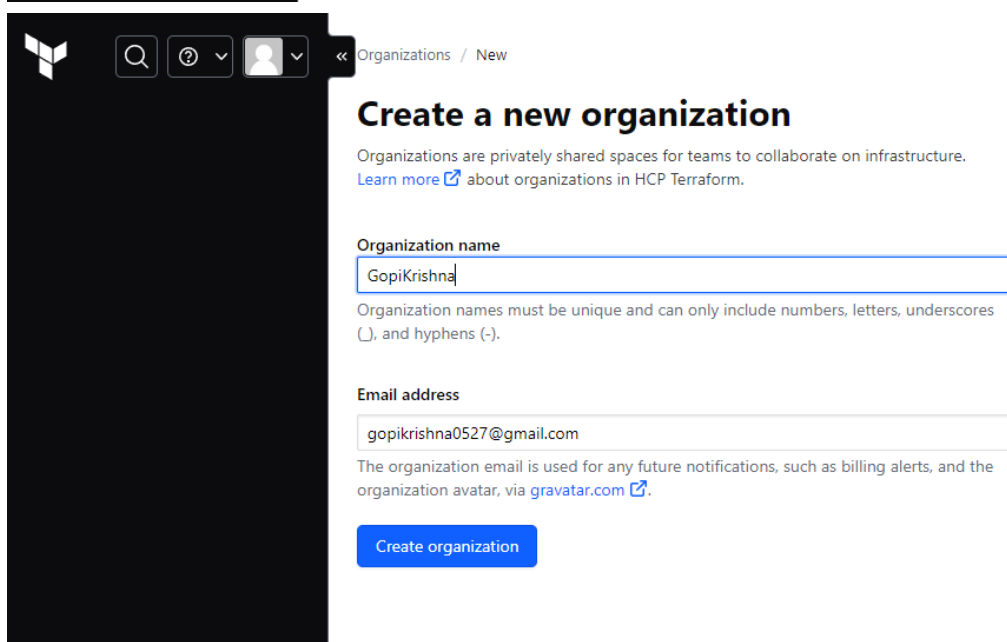
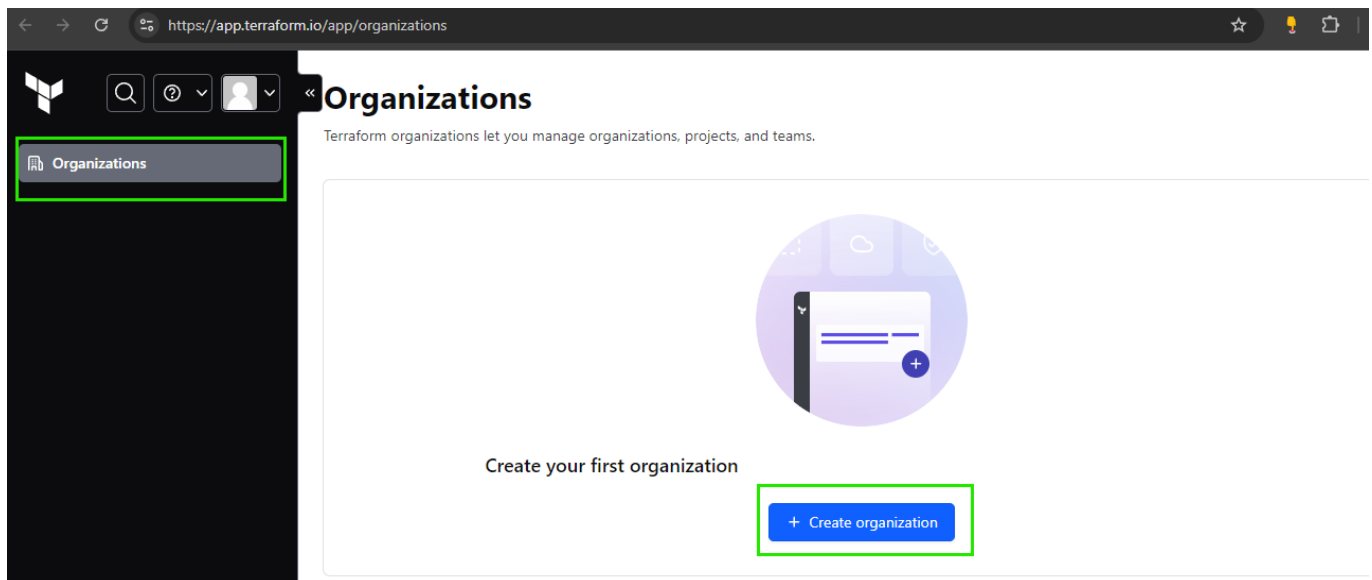
[HCP Terraform] Confirm your email address - Please confirm your email to join the organization. ...

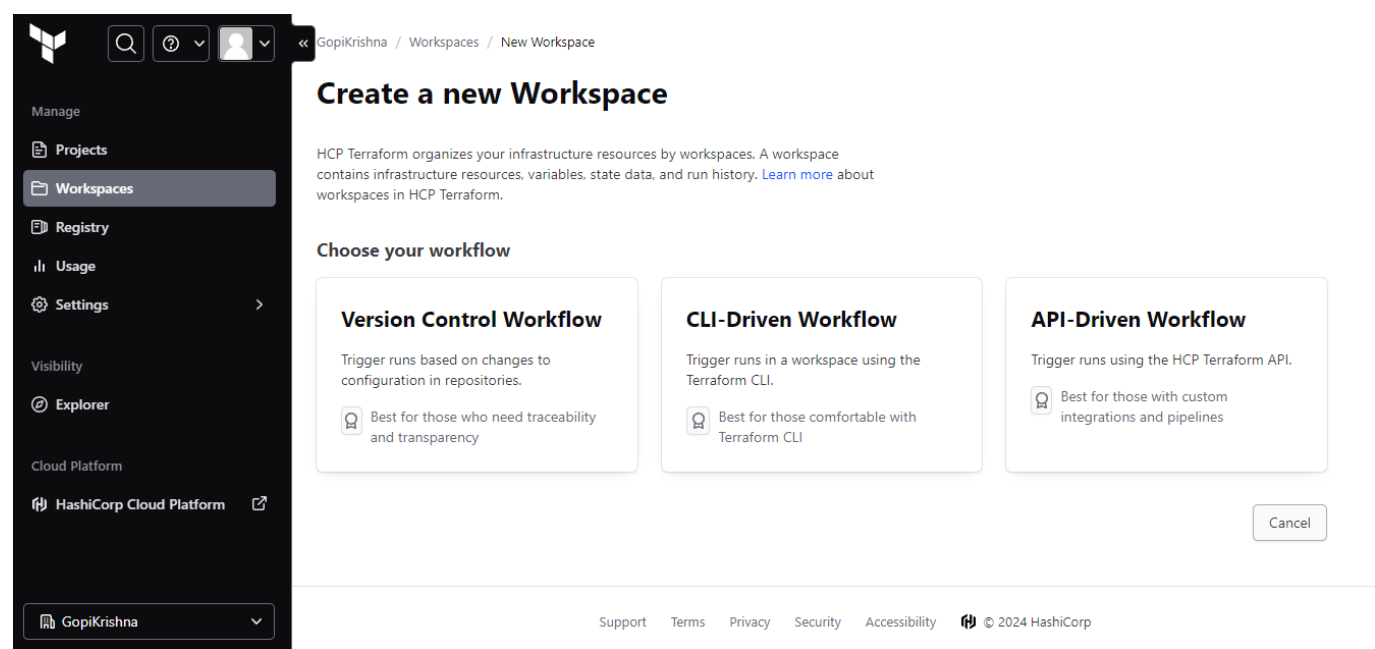
11:29 AM

1 / 30

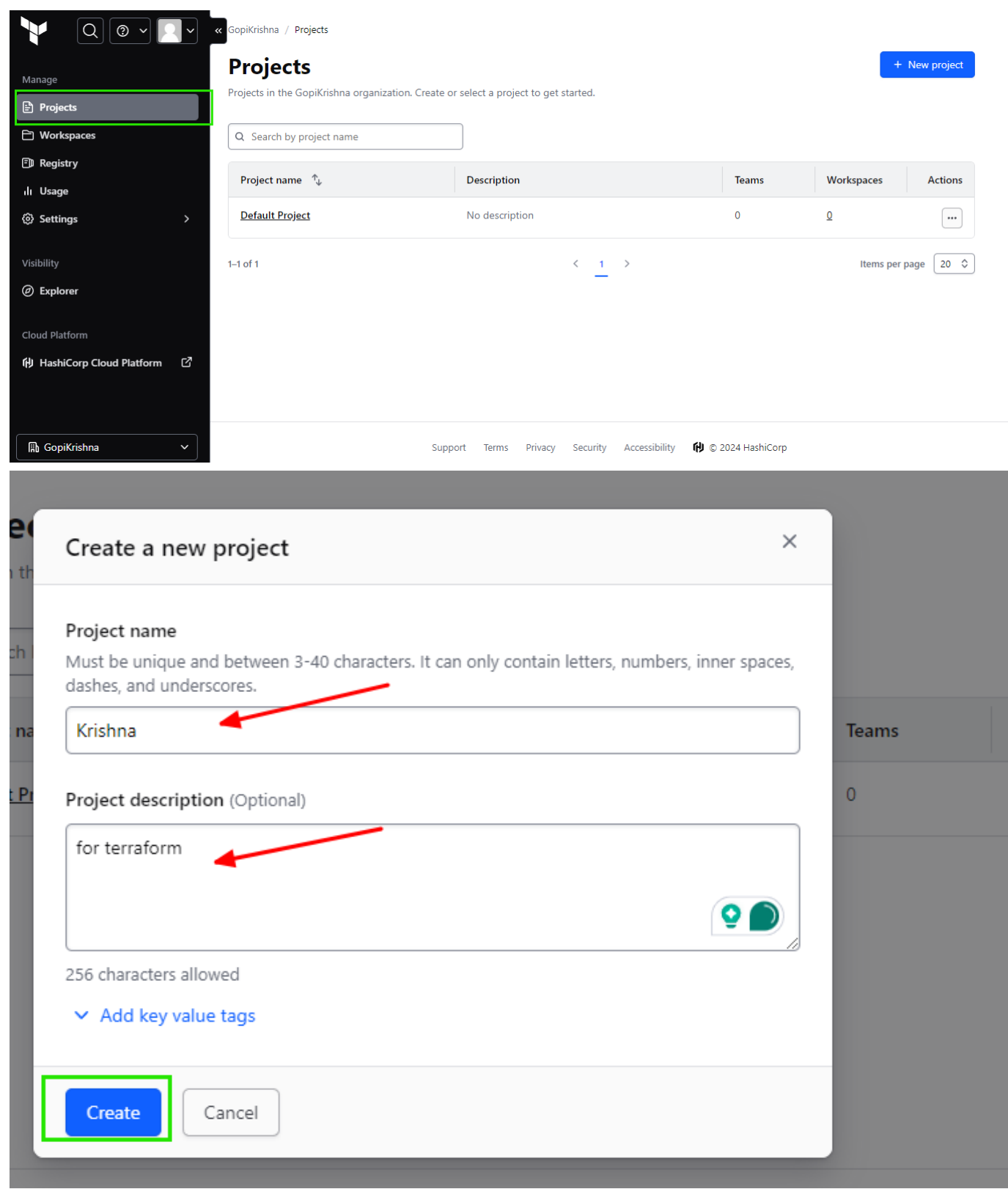


- Create an Organization shown in the below images

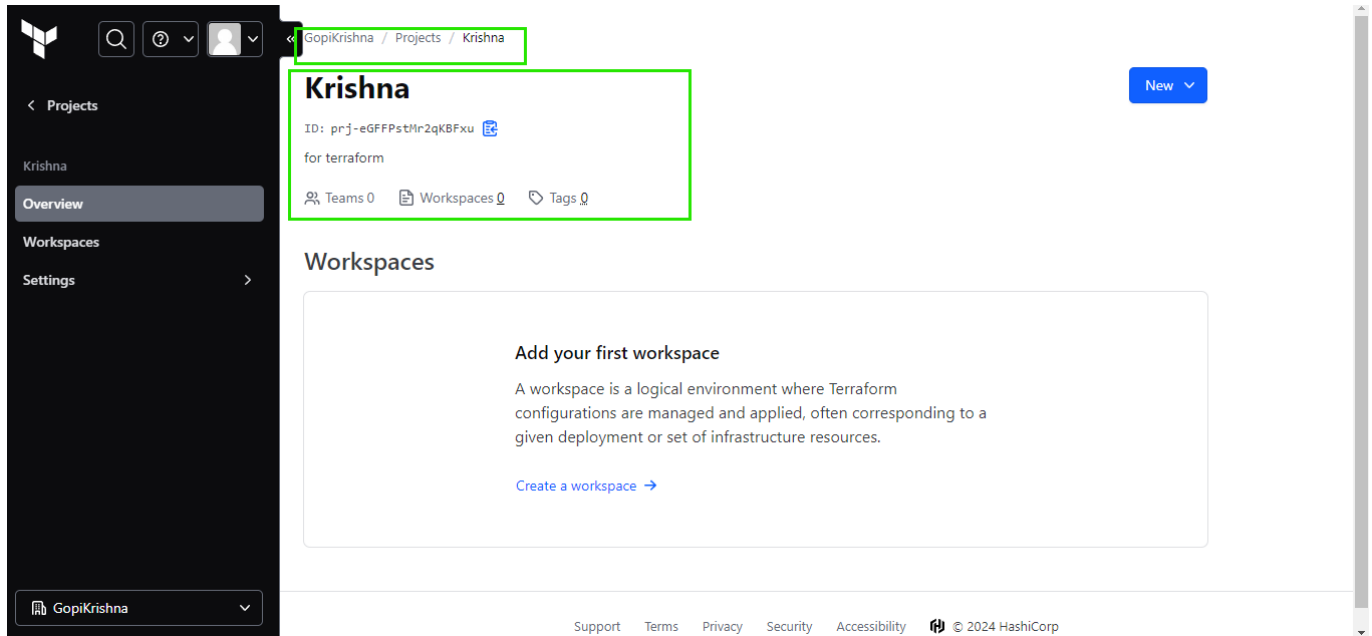




- Create a Project

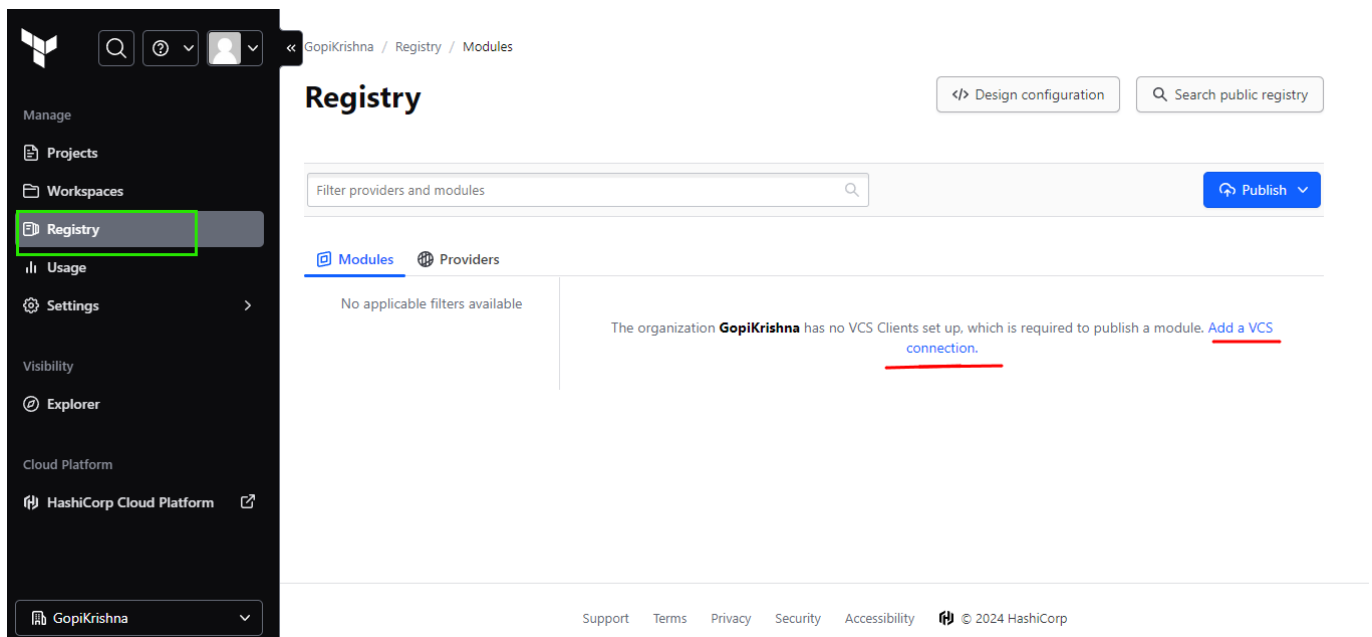


- Once the Project is created shows like this



Connect to Registry

- Go Registry ==> Click on Add a VCS connection



- Select the Version control system provider where the terraform files are available

Add VCS Provider

To connect workspaces, modules, and policy sets to git repositories containing Terraform configurations, HCP Terraform needs access to your version control system (VCS) provider. Use this page to configure OAuth authentication with your VCS provider. For more information, please see the HCP Terraform documentation on [Configuring Version Control Access](#).

1 Connect to VCS

2 Set up provider

3 Advanced Settings

Choose a version control provider to connect

Choose the version control provider you would like to connect.

GitHub ▾

GitLab ▾

Bitbucket ▾

Azure DevOps ▾

Choose a version control provider to connect

Choose the version control provider you would like to connect.

GitHub ^

GitLab ▾

Bitbucket ▾

Azure DevOps ▾

Version

GitHub App (Installed)

GitHub Enterprise

GitHub.com (Custom)

- Register your git hub account to Terraform Cloud, Follow the steps

 Connect to VCS Set up provider Advanced Settings

Set up provider

For additional information about connecting to GitHub.com to HCP Terraform, please read our [documentation](#).

1. On GitHub, [register a new OAuth Application](#).

Enter the following information:

Application name

HCP Terraform (GopiKrishna)

Homepage URL

https://app.terraform.io

Authorization callback URL

https://app.terraform.io/auth/8dd8e02b-ed97-4b13-8b4c-71c4099d05ed/callback

2. After clicking the "Register application" button, you'll be taken to the new application's page. Enter the Client ID below:

Register a new OAuth app

Application name *

HCP Terraform (GopiKrishna)

Something users will recognize and trust.

Homepage URL *

https://app.terraform.io

The full URL to your application homepage.

Application description

For Terraform |

This is displayed to all users of your application.

Authorization callback URL *

https://app.terraform.io/auth/8dd8e02b-ed97-4b13-8b4c-71c4099d05ed/callback

Your application's callback URL. Read our [OAuth documentation](#) for more information.

☐ **Enable Device Flow**

Allow this OAuth App to authorize users via the Device Flow.

Read the [Device Flow documentation](#) for more information.

Register application

Cancel

- Give your client ID and client secrets to Terraform

The screenshot shows the GitHub application settings page. At the top, it says 'gopikrishnayakkati owns this application.' with a 'Transfer ownership' button. Below this, there's a section for listing the application in the GitHub Marketplace. The '0 users' section has a 'Revoke all user tokens' button. The 'Client ID' section shows a redacted value. The 'Client secrets' section has a 'Generate a new client secret' button. A message states: 'Make sure to copy your new client secret now. You won't be able to see it again.' Below this, a client secret is listed with a key icon, a checkmark, and a copy icon. The secret is redacted. It says 'Added now by gopikrishnayakkati' and 'Never used'. A 'Delete' button is next to it. A message at the bottom says: 'You cannot delete the only client secret. Generate a new client secret first.'

2. After clicking the "Register application" button, you'll be taken to the new application's page. Enter the Client ID below:

Name

An optional display name for your VCS Provider. This is helpful if you will be configuring multiple instances of the same provider.

GitHub.com

Client ID

[Redacted Client ID]

3. Next, generate a new client secret and enter the value below:

Client Secret

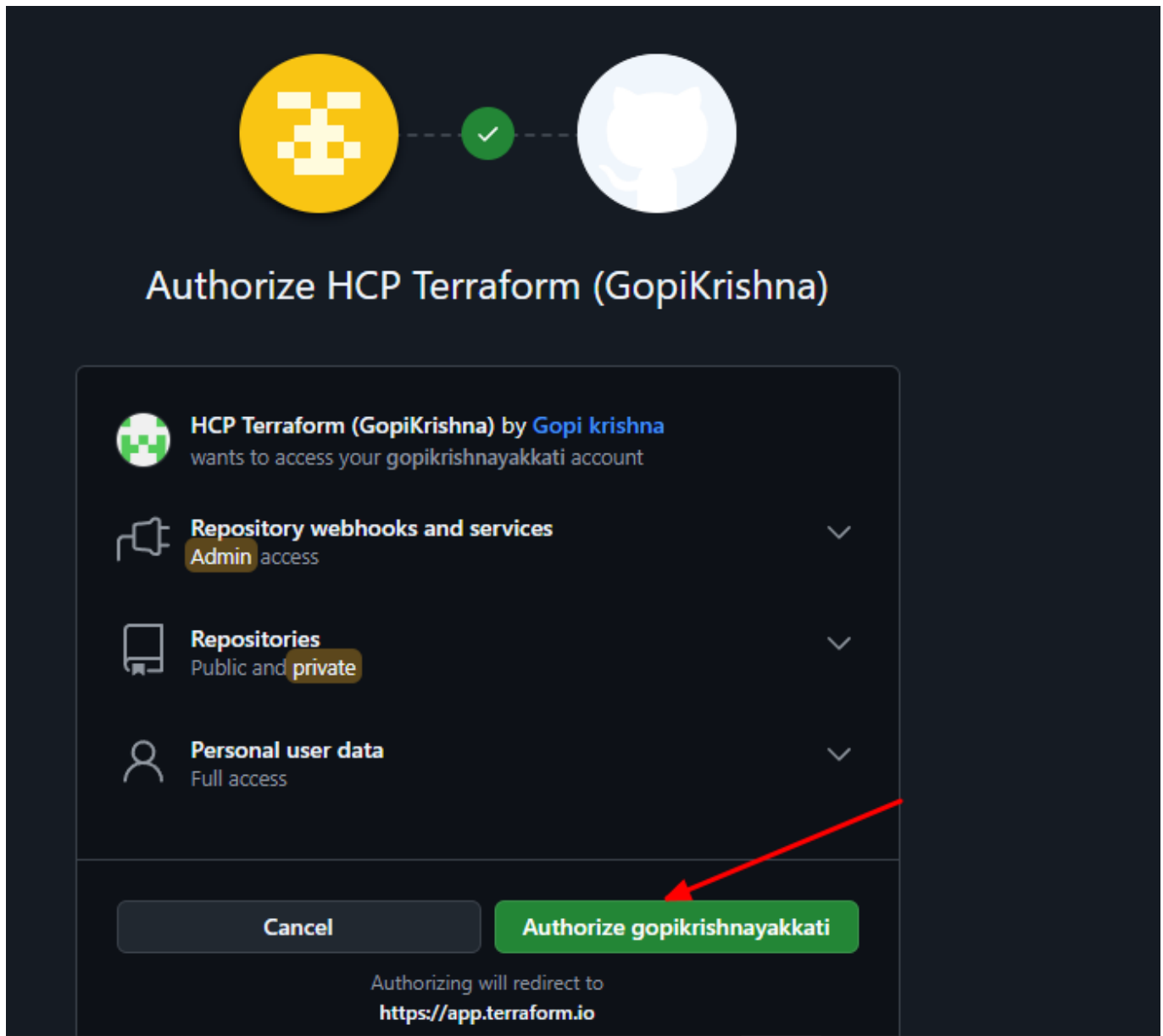
[Redacted Client Secret]

[< Back](#)

Cancel

Connect and continue

- Give Repository permission for Terraform cloud



- The Page redirected to Terraform Cloud and skip and finish

For additional information about connecting to GitHub.com to HCP Terraform, please read our documentation. On a secure workstation, create an SSH keypair that HCP Terraform can use to connect to GitHub.com. The exact command depends on your OS, but is usually something like:

```
ssh-keygen -t rsa -m PEM -f "/Users/<NAME>/ssh/service_terraform" -C "service_terraform_enterprise"
```

This creates a `service_terraform` file with the private key, and a `service_terraform.pub` file with the public key. This SSH key must have an empty passphrase. HCP Terraform cannot use SSH keys that require a passphrase. While logged into the GitHub.com account you want HCP Terraform to act as, navigate to the SSH Key settings page, add a new SSH key, and paste the value of the SSH public key you just created.

Private SSH key

-----BEGIN RSA PRIVATE KEY-----

Add SSH key

Skip and finish

VCS Providers

Store your Terraform configuration in a git repository, and trigger runs based on pull requests and merges.

Search by VCS provider name

GitHub

All projects and workspaces All policy sets All modules Created Sep 28, 2024 12:08:51 pm

OAuth Token Id [Redacted]

Callback URL [Redacted]

HTTP URL <https://github.com>

API URL <https://api.github.com>

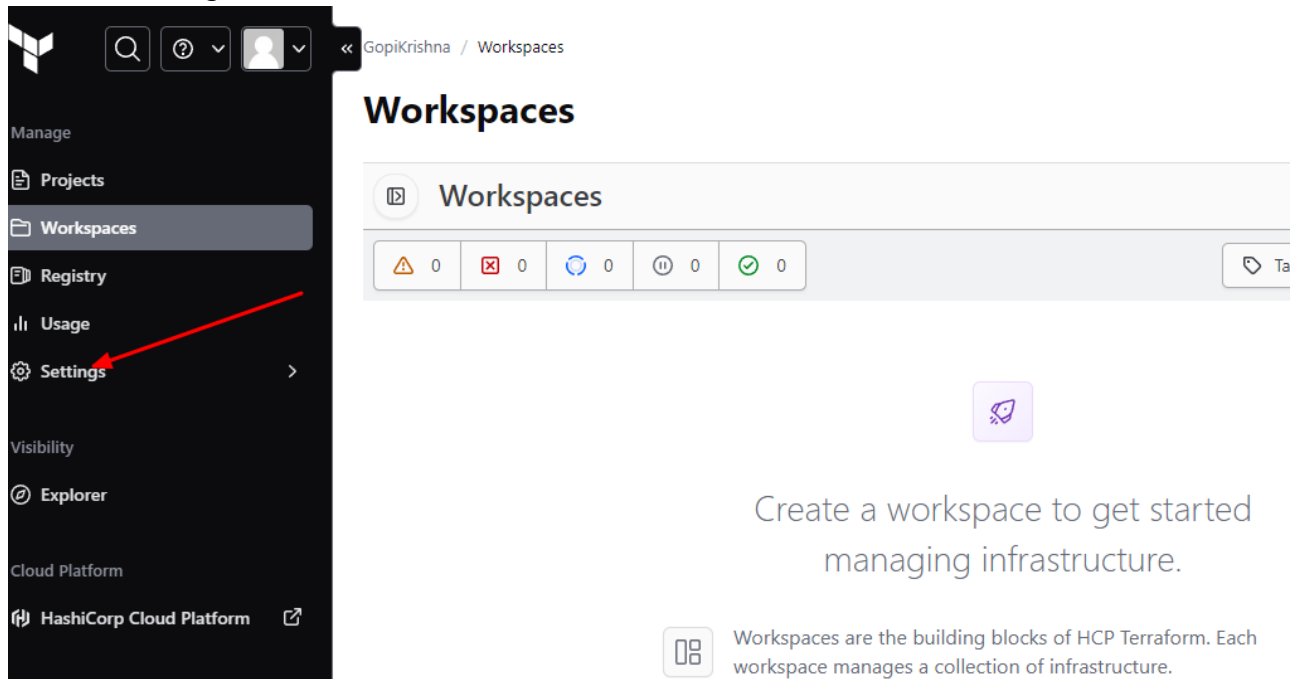
1-1 of 1

Items per page 20

- VCS Connection Is Established

Adding AWS Credentials to Terraform cloud (Access Key & Secret key)

- Select the settings



Manage

Projects

Workspaces

Registry

Usage

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Visibility

Explorer

Cloud Platform

HashiCorp Cloud Platform

Workspaces

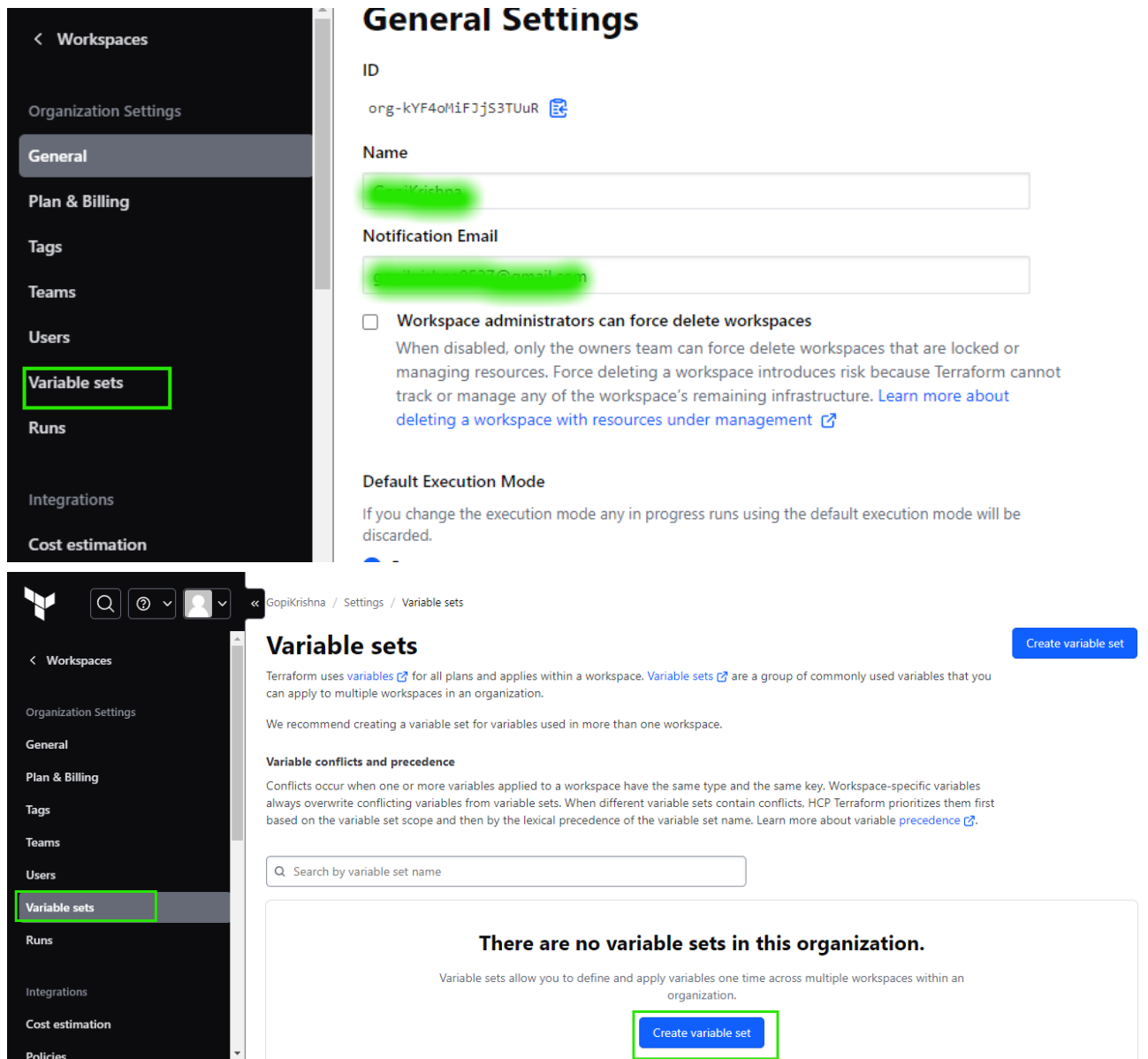
Workspaces

0 0 0 0 0

Create a workspace to get started managing infrastructure.

Workspaces are the building blocks of HCP Terraform. Each workspace manages a collection of infrastructure.

- click on variable sets and create a variable set



General Settings

ID

org-kYF4oM1FJjS3TUuR

Name

Notification Email

☐ Workspace administrators can force delete workspaces

When disabled, only the owners team can force delete workspaces that are locked or managing resources. Force deleting a workspace introduces risk because Terraform cannot track or manage any of the workspace's remaining infrastructure. [Learn more about deleting a workspace with resources under management](#)

Default Execution Mode

If you change the execution mode any in progress runs using the default execution mode will be discarded.

Variable sets

Terraform uses [variables](#) for all plans and applies within a workspace. [Variable sets](#) are a group of commonly used variables that you can apply to multiple workspaces in an organization.

We recommend creating a variable set for variables used in more than one workspace.

Variable conflicts and precedence

Conflicts occur when one or more variables applied to a workspace have the same type and the same key. Workspace-specific variables always overwrite conflicting variables from variable sets. When different variable sets contain conflicts, HCP Terraform prioritizes them first based on the variable set scope and then by the lexical precedence of the variable set name. [Learn more about variable precedence](#)

Search by variable set name

There are no variable sets in this organization.

Variable sets allow you to define and apply variables one time across multiple workspaces within an organization.

Create variable set

Create a new variable set

Variable sets [↗](#) allow you to define and apply variables one time across multiple workspaces within an organization.

Configure settings

Name

AWS_Secrets

Description (Optional)

Aws credentials

Variable set scope

- ☐ Apply globally

All current and future workspaces in this organization will access this variable set.
- ☒ Apply to specific projects and workspaces
- ☒ Apply to specific projects and workspaces

Apply to projects

All current and future workspaces in the selected projects will access this variable set.

Krishna

☐ Default Project

☒ Krishna

Show selected

Clear selected

1 selected of 2 total

Variables

You can add any number of [Terraform](#) and [Environment](#) variables. Terraform will use these variables for all plan and apply operations in the specified workspaces.

Key	Value	Category	Actions
<div>AWS_ACCESS_KEY_ID</div> <div>Sensitive</div>	Sensitive - write only	env	<div>...</div>
<div>AWS_SECRET_ACCESS_KEY</div> <div>Sensitive</div>	Sensitive - write only	env	<div>...</div>

Variable sets

Create variable set

Terraform uses [variables](#) for all plans and applies within a workspace. [Variable sets](#) are a group of commonly used variables that you can apply to multiple workspaces in an organization.

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Search by variable set name

AWS_Secrets

Aws credentials

0 workspaces1 project · 2 variables

Last updated September 28th 2024, 12:31:42 pm

Publish the terraform modules

Manage

Projects

Workspaces

Registry

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Visibility

Explorer

Cloud Platform

HashiCorp Cloud Platform

GopiKrishna

GopiKrishna / Registry / Modules

Registry

Design configuration

Search public registry

Filter providers and modules

Publish

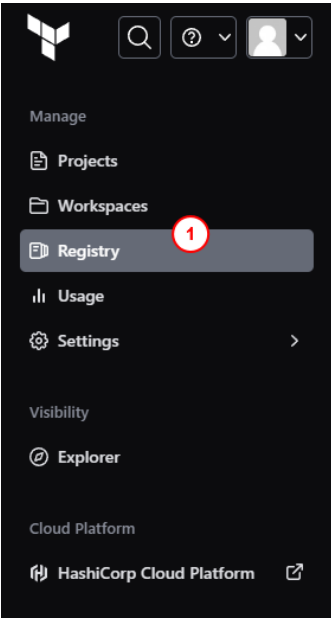
Modules

Providers

No applicable filters available

The organization GopiKrishna has no published modules. Publish a module.

Support Terms Privacy Security Accessibility © 2024 HashiCorp



Add Module

This module will be created under the current organization, **GopiKrishna**. Modules can be added from all [supported VCS providers](#).

- 1
- Connect to VCS
- 2
- Choose a repository
- 3
- Confirm selection

Connect to a version control provider

Choose the version control provider that hosts your module source code.

GitHub

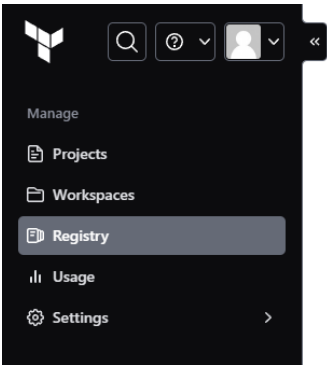
✓

GitHub.com (Custom)

[Connect to a different VCS](#)

Choose a repository

- Choose the repository that hosts your module source code. We'll watch this for commits and tags. The format of your repository name should be terraform--.



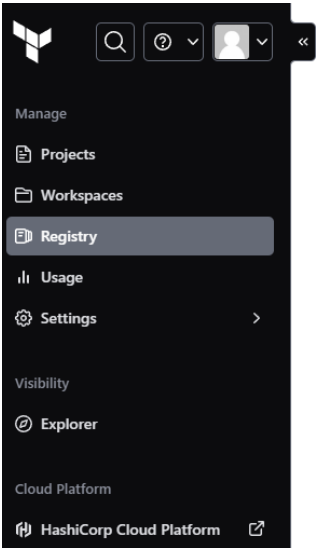
Add Module

This module will be created under the current organization, **GopiKrishna**. Modules can be added from all [supported VCS providers](#).

- ✓
- Connect to VCS
- 2
- Choose a repository
- 3
- Confirm selection

Choose a repository

Choose the repository that hosts your module source code. We'll watch this for commits and tags. The format of your repository name should be `terraform-<PROVIDER>-<NAME>`.



Add Module

This module will be created under the current organization, **GopiKrishna**. Modules can be added from all [supported VCS providers](#).

- ✓
- Connect to VCS
- 2
- Choose a repository
- 3
- Confirm selection

Choose a repository

Choose the repository that hosts your module source code. We'll watch this for commits and tags. The format of your repository name should be `terraform-<PROVIDER>-<NAME>`.

1 repository

Filter

acme-corp/infrastructure

gopikrishnayakkati/terraform-aws-vpc

Add Module

This module will be created under the current organization, **GopiKrishna**. Modules can be added from all [supported VCS providers](#).

- 1 Connect to VCS
- 2 Choose a repository
- 3 Confirm selection

Confirm module details

Provider GitHub

Repository gopikrishnayakkati/terraform-aws-vpc

Module publishing type [Learn more about tag-based publishing considerations](#)

☒ Tag

☐ Branch

Publish module

Cancel

🔍

?

👤

GopiKrishna / Registry / Modules

Manage

Projects

Workspaces

Registry

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Explorer

Cloud Platform

HashiCorp Cloud Platform

GopiKrishna

Registry

<> Design configuration

🔍 Search public registry

Filter providers and modules

🔗 Modules

🔗 Providers

Filters

Publishing Type

☐ Tags

vpc

For terraform modules

🔒 Private

aws

🕒 1.0.0

🔗 Git Tag based module

🕒 3 hours ago

1 - 1 of 1

Support

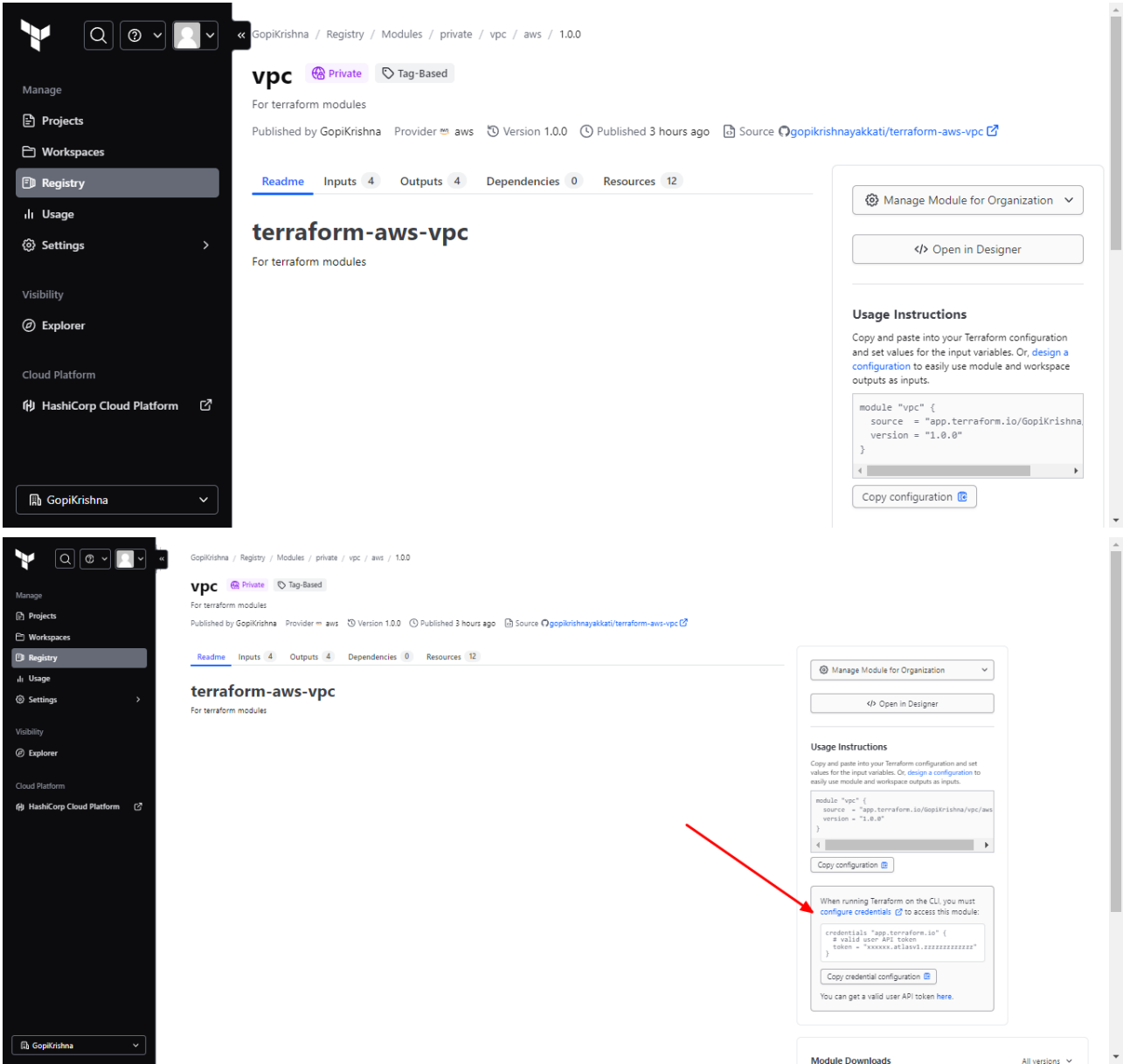
Terms

Privacy

Security

Accessibility

© 2024 HashiCorp



- CLI Configuration File (.terraformrc or terraform.rc) [Refer Here](#)

Settings / Tokens

Tokens

Your API tokens can be used to access the HCP Terraform API and perform all the actions your user account is entitled to. For more information, see the [user API tokens documentation](#).

Treat these tokens like passwords, as they can be used to access your account without a username, password, or two-factor authentication.

Create an API token

Tokens

Your API tokens can be used to access the HCP Terraform API and perform all the actions your user account is entitled to. For more information, see the [user API tokens documentation](#).

Treat these tokens like passwords, as they can be used to access your account without a username, password, or two-factor authentication.

Create an API token

Creating a user token

Description Required

To help you identify this token later.

for terraform

Expiration

30 days



This token will expire October 28th, 2024

Generate token

Cancel

GitHub

Used to verify identity with GitHub and authorize a GitHub App.

Terraform

Install

Tutorials

Documentation

Registry

Try Cloud

< Terraform Home

Filter sidebar

Terraform CLI

Basic CLI Features

Initializing Working Directories

Provisioning Infrastructure

Authenticating

Writing and Modifying Code

Inspecting Infrastructure

Importing Infrastructure

Manipulating State

Managing Workspaces

Managing Plugins

CLI Configuration

Developer / Terraform / Terraform CLI / CLI Configuration / CLI Configuration

CLI Configuration File

(.terraformrc or terraform.rc)

v1.9.x (latest)

The CLI configuration file configures per-user settings for CLI behaviors, which apply across all Terraform working directories. This is separate from [your infrastructure configuration](#).

Locations

The configuration can be placed in a single file whose location depends on the host operating system:

On Windows, the file must be named `terraform.rc` and placed in the relevant user's `%APPDATA%` directory. The physical location of this directory depends on your Windows version and system configuration; use `$env:APPDATA` in PowerShell to find its location on your system.

On all other systems, the file must be named `.terraformrc` (note the leading period) and placed directly in the home directory of the relevant user.

This PC

Local Disk (C:)

Users

admin

AppData

Roaming

Quick access

Desktop

Downloads

Documents

Pictures

.ssh

images

Images

Study (D:)

OneDrive - Personal

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

Study (D:)

Entertainment (E:)

Network

Linux

Name

Date modified

Type

Size

Google

12-Jul-24 06:25 PM

File folder

Google

17-May-24 07:02 AM

File folder

GoTo

25-Sep-24 09:02 AM

File folder

Grammarly

19-May-24 12:01 PM

File folder

helm

18-Apr-24 07:54 AM

File folder

jupyter

01-Jul-24 03:02 PM

File folder

KMP

01-Jul-24 03:02 PM

File folder

kmp64

24-Jun-24 12:04 AM

File folder

Lens

26-Sep-24 08:14 AM

File folder

Microsoft

27-Aug-24 01:14 PM

File folder

Mozilla

26-Aug-24 07:21 PM

File folder

MySQL

28-Sep-24 04:06 PM

File folder

Notepad++

12-Sep-24 12:16 PM

File folder

nvm

14-Mar-24 03:18 PM

File folder

Opera Software

15-Sep-24 04:22 PM

File folder

pypoetry

15-Sep-24 04:21 PM

File folder

Python

16-Jul-24 06:42 PM

File folder

Slack

16-Jul-24 12:55 PM

File folder

sqlitebrowser

26-Aug-24 07:31 PM

File folder

sqlops

26-Aug-24 07:25 PM

File folder

StorageExplorer

21-Sep-24 09:52 PM

File folder

Tenorshare

28-Sep-24 04:02 PM

File folder

terraform.d

21-Sep-24 09:50 PM

File folder

TSMonitor

16-Jul-24 06:54 PM

File folder

vlc

22-Mar-24 04:09 PM

File folder

WinRAR

25-Aug-24 08:12 PM

File folder

Xmind

06-Apr-24 03:35 PM

File folder

Zoom

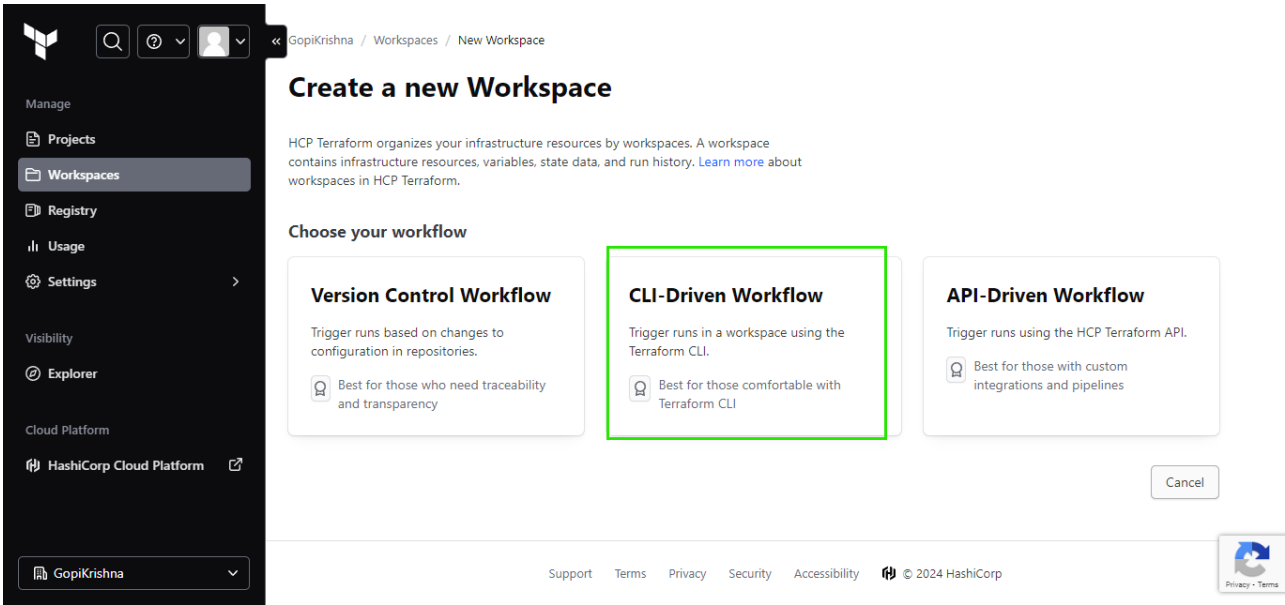
28-Sep-24 04:11 PM

RC File

1 KB

18 / 30

- Create a workspace and select the Project





Create a new Workspace

HCP Terraform organizes your infrastructure resources by workspaces. A workspace contains infrastructure resources, variables, state data, and run history. [Learn more](#) about workspaces in HCP Terraform.

Configure Settings


Workspace Name



The name of your workspace is unique and used in tools, routing, and UI. Dashes, underscores, and alphanumeric characters are permitted. [Learn more about naming workspaces](#) .

Project



Every workspace must belong to a single project. Projects must be named uniquely within an organization. Workspaces may be moved between projects at any time from the workspace list or settings. [Learn more about projects](#) .

Description (Optional)

terraform

ID: ws-rkQLogJcvWnK6UDU [Add workspace description.](#)

Unlocked Resources 0 Tags 0 Terraform v1.9.6 Updated a few seconds ago

Waiting for configuration

Checking for configuration

This workspace currently has no Terraform configuration files associated with it. HCP Terraform is waiting for the configuration to be uploaded.

CLI-driven runs

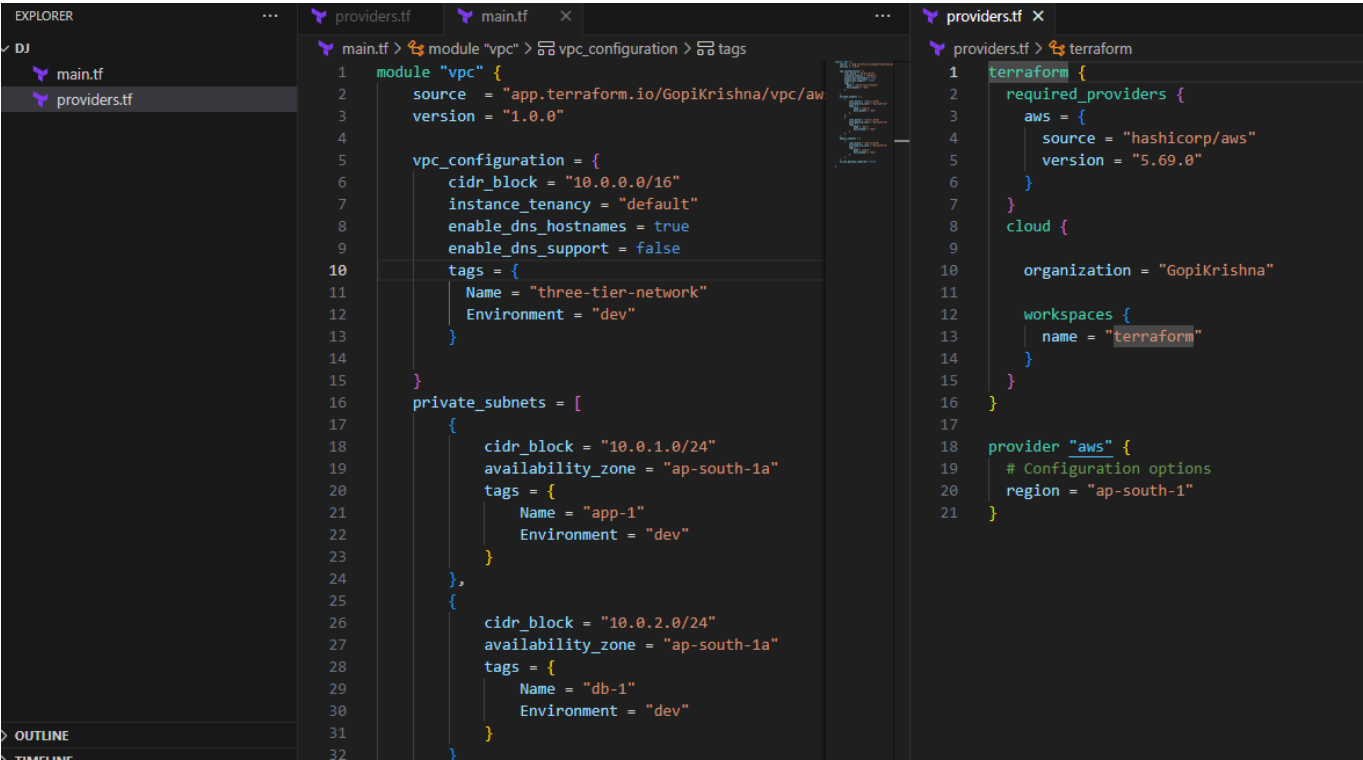
- 1. Ensure you are properly authenticated into HCP Terraform by running `terraform login` on the command line or by using a [credentials block](#).
- 2. Add a code block to your Terraform configuration files to set up the cloud integration . You can add this configuration block to any `.tf` file in the directory where you run Terraform.

Example code

```
terraform {
  cloud {
    organization = "GopiKrishna"

    workspaces {
      name = "terraform"
    }
  }
}
```

- Write a terraform module for creating VPC based on child module



- Providers.tf

```
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "5.69.0"
    }
  }
  cloud {

    organization = "GopiKrishna"

    workspaces {
      name = "terraform"
    }
  }
}

provider "aws" {
  # Configuration options
  region = "ap-south-1"
}
```

- main.tf file

```
#
module "vpc" {
  source = "app.terraform.io/GopiKrishna/vpc/aws"
  version = "1.0.0"

  vpc_configuration = {
    cidr_block = "10.0.0.0/16"
    instance_tenancy = "default"
    enable_dns_hostnames = true
    enable_dns_support = false
    tags = {
      Name = "three-tier-network"
      Environment = "dev"
    }
  }
}

private_subnets = [
  {
    cidr_block = "10.0.1.0/24"
    availability_zone = "ap-south-1a"
    tags = {
      Name = "app-1"
      Environment = "dev"
    }
  }
]
```

```

    },
    {
      cidr_block = "10.0.2.0/24"
      availability_zone = "ap-south-1a"
      tags = {
        Name = "db-1"
        Environment = "dev"
      }
    }
  ]
  public_subnets = [
    {
      cidr_block = "10.0.0.0/24"
      availability_zone = "ap-south-1a"
      tags = {
        Name = "web-1"
        Environment = "dev"
      }
    }
  ]
  is_nat_gateway_required = false
}

```

- Now initialize the terraform `terraform init`

```

PS D:\dj> terraform init
Initializing the backend...
Initializing modules...
Downloading app.terraform.io/GopiKrishna/vpc/aws 1.0.0 for vpc...
- vpc in .terraform\modules\vpc
Initializing provider plugins...
- Finding hashicorp/aws versions matching "5.69.0"...
- Installing hashicorp/aws v5.69.0...
- Installed hashicorp/aws v5.69.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
PS D:\dj> 

```

- Now execute the terraform plan

```
PS D:\dj> terraform plan
Running plan in HCP Terraform. Output will stream here. Pressing Ctrl-C
will stop streaming the logs, but will not stop the plan running remotely.

Preparing the remote plan...

To view this run in a browser, visit:
https://app.terraform.io/app/GopiKrishna/terraform/runs/run-MJJJmcFLvrAvkgmk
```

- Open the terraform cloud and see the status

Workspaces

terraform

Overview

Runs

States

Variables

Settings

GopiKrishna / Workspaces / terraform / Runs

terraform

ID: ws-rkQLoGJcvlRk6UDU

Add workspace description

Unlocked Resources 0 Tags 0 Terraform v1.9.6 Updated 15 minutes ago

Run List

All Needs Attention Errored Running On Hold Success

Search Runs

Triggered via CLI
#run-MJJJmcFLvrAvkgmk | plan-only run | GopiKrishna-0527 triggered via CLI
Planned and finished 3 minutes ago

Triggered via CLI
#run-mVLGXdE86EHuog5N | plan-only run | GopiKrishna-0527 triggered via CLI
Planned and finished 5 minutes ago

Triggered via CLI

Plan duration
Less than a minute

Resources to be changed
+11 ~0 -0

GopiKrishna-0527 triggered a speculative plan from CLI 4 minutes ago

Run Details

Plan finished 4 minutes ago

Resources: 11 to add, 0 to change, 0 to destroy

Started 4 minutes ago > Finished 4 minutes ago

+ 11 to create

Filter resources by address... Filter by action Terraform 1.9.6 Download raw log

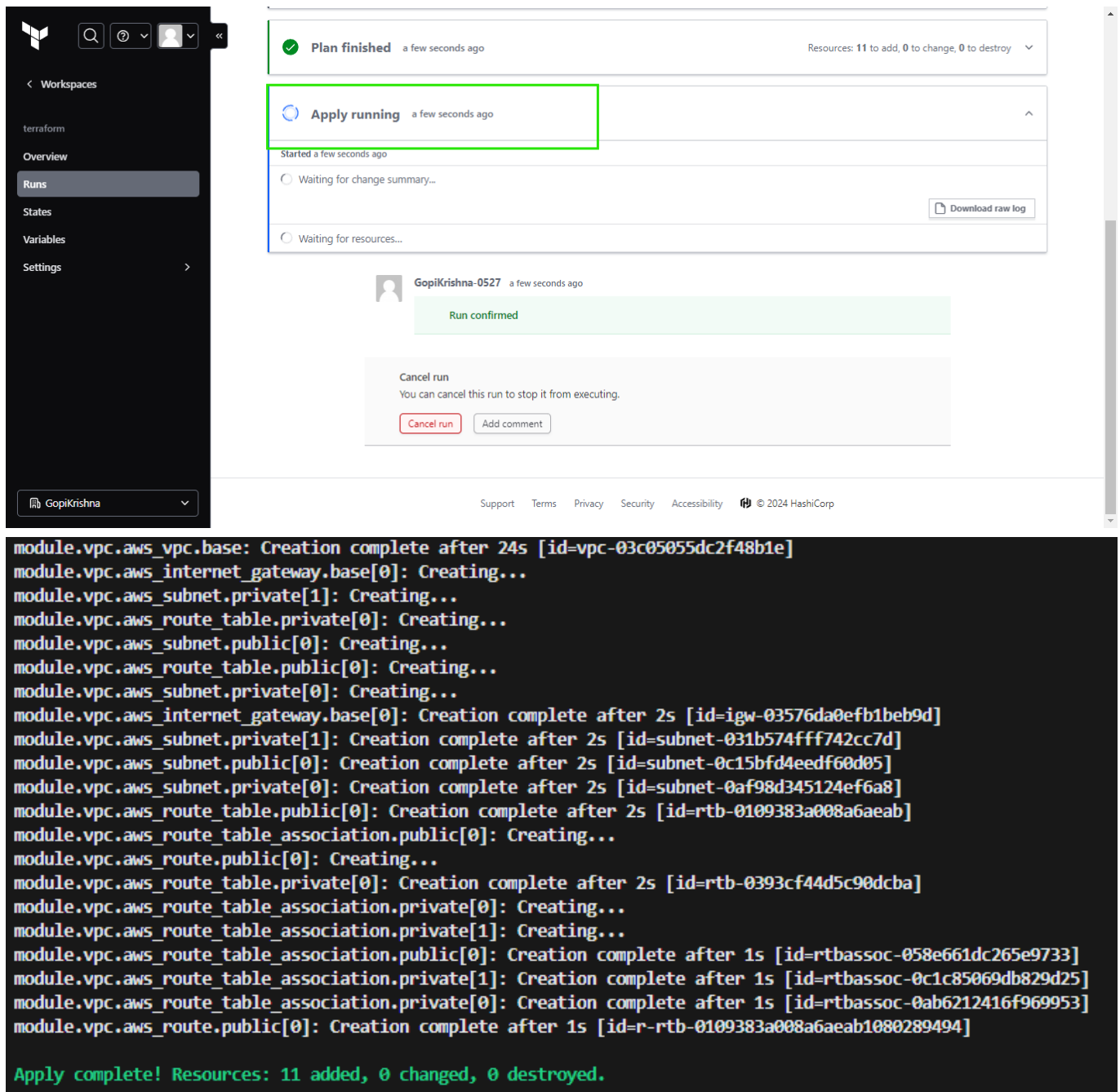
+ aws module.vpc.aws_internet_gateway.base[0]

+ aws module.vpc.aws_route_table_association.private[0]

+ aws module.vpc.aws_route_table_association.private[1]

+ aws module.vpc.aws_route_table_association.public[0]

- Now execute the `terraform apply`



The screenshot displays the Terraform Cloud web interface. On the left, a dark sidebar contains navigation links: Workspaces, terraform, Overview, Runs (selected), States, Variables, and Settings. The main content area shows a 'Plan finished' status with a green checkmark and a message 'Resources: 11 to add, 0 to change, 0 to destroy'. Below this, the 'Apply running' status is highlighted with a green box, showing a progress bar and a 'Download raw log' button. A 'Run confirmed' message is displayed below the progress bar. At the bottom, a large black box contains the Terraform output log, showing the successful creation of various AWS resources.

```
module.vpc.aws_vpc.base: Creation complete after 24s [id=vpc-03c05055dc2f48b1e]
module.vpc.aws_internet_gateway.base[0]: Creating...
module.vpc.aws_subnet.private[1]: Creating...
module.vpc.aws_route_table.private[0]: Creating...
module.vpc.aws_subnet.public[0]: Creating...
module.vpc.aws_route_table.public[0]: Creating...
module.vpc.aws_subnet.private[0]: Creating...
module.vpc.aws_internet_gateway.base[0]: Creation complete after 2s [id=igw-03576da0efb1beb9d]
module.vpc.aws_subnet.private[1]: Creation complete after 2s [id=subnet-031b574fff742cc7d]
module.vpc.aws_subnet.public[0]: Creation complete after 2s [id=subnet-0c15bfd4eedf60d05]
module.vpc.aws_subnet.private[0]: Creation complete after 2s [id=subnet-0af98d345124ef6a8]
module.vpc.aws_route_table.public[0]: Creation complete after 2s [id=rtb-0109383a008a6aeab]
module.vpc.aws_route_table_association.public[0]: Creating...
module.vpc.aws_route.public[0]: Creating...
module.vpc.aws_route_table.private[0]: Creation complete after 2s [id=rtb-0393cf44d5c90dcba]
module.vpc.aws_route_table_association.private[0]: Creating...
module.vpc.aws_route_table_association.private[1]: Creating...
module.vpc.aws_route_table_association.public[0]: Creation complete after 1s [id=rtbassoc-058e661dc265e9733]
module.vpc.aws_route_table_association.private[1]: Creation complete after 1s [id=rtbassoc-0c1c85069db829d25]
module.vpc.aws_route_table_association.private[0]: Creation complete after 1s [id=rtbassoc-0ab6212416f969953]
module.vpc.aws_route.public[0]: Creation complete after 1s [id=r-rtb-0109383a008a6aeab1080289494]

Apply complete! Resources: 11 added, 0 changed, 0 destroyed.
```

Apply finished

a few seconds ago

Resources: 11 added, 0 changed, 0 destroyed

Started a minute ago

>

Finished a few seconds ago



















+ 11 created

Filter resources by address...

Filter by action

Terraform 1.9.6

Download raw log

>	+ 	module.vpc.aws_internet_gateway.base[0]		✓ Created	id=igw-03576da0efb1beb9d
>	+ 	module.vpc.aws_route_table_association.private[0]		✓ Created	id=rtbassoc-0ab6212416f969953
>	+ 	module.vpc.aws_route_table_association.private[1]		✓ Created	id=rtbassoc-0c1c85069db829d25
>	+ 	module.vpc.aws_route_table_association.public[0]		✓ Created	id=rtbassoc-058e661dc265e9733
>	+ 	module.vpc.aws_route_table.private[0]		✓ Created	id=rtb-0393cf44d5c90dcba
>	+ 	module.vpc.aws_route_table.public[0]		✓ Created	id=rtb-0109383a008a6aeab
>	+ 	module.vpc.aws_route.public[0]		✓ Created	id=r-rtb-0109383a008a6aeab1080289494
>	+ 	module.vpc.aws_subnet.private[0]		✓ Created	id=subnet-0af98d345124ef6a8
>	+ 	module.vpc.aws_subnet.private[1]		✓ Created	id=subnet-031b574fff742cc7d

- Check whether the AWS console vpc is created or not

26 / 30

aws

Services

Search

[Alt+S]

VPC

EC2

VPC dashboard

EC2 Global View

Filter by VPC

vpc-03c05055dc2f48b1e

three-tier-network

Owner: 605392450962

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Your VPCs (1) info

Last updated less than a minute ago

Actions

Create VPC

Search

VPC ID: vpc-03c05055dc2f48b1e

Clear filters

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP
three-tier-network	vpc-03c05055dc2f48b1e	Available	10.0.0.0/16	-	dopt-0...

Select a VPC above

Subnets (3) info

Last updated 3 minutes ago

Actions

Create subnet

Find resources by attribute or tag

VPC: vpc-03c05055dc2f48b1e

Clear filters

Name	Subnet ID	State	VPC	IPv4 CIDR
db-1	subnet-031b574fff742cc7d	Available	vpc-03c05055dc2f48b1e thre...	10.0.2.0/24
app-1	subnet-0af98d345124ef6a8	Available	vpc-03c05055dc2f48b1e thre...	10.0.1.0/24
web-1	subnet-0c15bfd4eedf60d05	Available	vpc-03c05055dc2f48b1e thre...	10.0.0.0/24

Select a subnet

- Check the state file

Workspaces

terraform

Overview

Runs

States

Variables

Settings

Gopikrishna

Gopikrishna / Workspaces / terraform / States / sv-4dRjpaCHDpMybpz5

terraform

ID: ws-rkQLoG3cvlRk6UDU

Add workspace description

Unlocked Resources 11 Tags 0 Terraform v1.9.6 Updated a few seconds ago

Triggered via CLI

#sv-4dRjpaCHDpMybpz5 | Gopikrishna-0527 triggered from Terraform 11 minutes ago | #run-vgSfv9yzKyLXTQW

Download

filter

Apply

Learn more about filtering JSON data

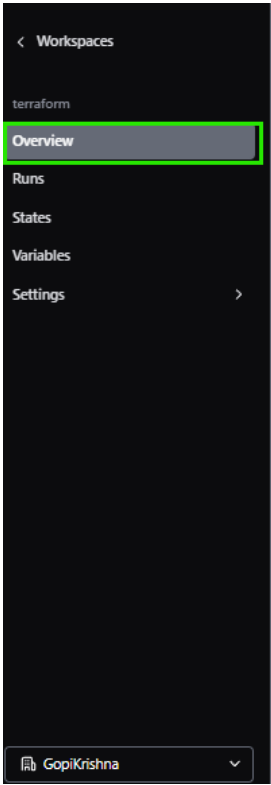
Expand

Full screen

```
{
  "version": 4,
  "terraform_version": "1.9.6",
  "serial": 1,
  "lineage": "13be2056-4f12-4d38-5790-4bcf856f2e88",
  "outputs": {},
  "resources": [
    {
      "module": "module.vpc",
      "mode": "managed",
      "type": "aws_internet_gateway",
      "name": "base",
      "provider": "provider[\"registry.terraform.io/hashicorp/aws\"]",

```

27 / 30



Triggered via CLI

Policy checks

Add

Estimated cost change

Enable

Plan & apply duration

1 minute

Resources changed

+11 ~0 -0

Applied

See details

Triggered via CLI

GopiKrishna-0527 triggered a run 15 minutes ago via CLI

Resources 11

Outputs

Current as of the most recent state version.

Filter resources

NAME	PROVIDER	TYPE	MODULE	CREATED ↓
base 0	hashicorp/aws	aws_internet...	vpc	Sep 28 2024
base	hashicorp/aws	aws_vpc	vpc	Sep 28 2024
private 0	hashicorp/aws	aws_route_ta...	vpc	Sep 28 2024
private 0	hashicorp/aws	aws_route_ta...	vpc	Sep 28 2024
private 0	hashicorp/aws	aws_subnet	vpc	Sep 28 2024
private 1	hashicorp/aws	aws_route_ta...	vpc	Sep 28 2024

- All resources are created
- Destroy the all resources `terraform destroy`

```
PS D:\dj> terraform destroy
Running apply in HCP Terraform. Output will stream here. Pressing Ctrl-C
will cancel the remote apply if it's still pending. If the apply started it
will stop streaming the logs, but will not stop the apply running remotely.

Preparing the remote apply...

To view this run in a browser, visit:
https://app.terraform.io/app/GopiKrishna/terraform/runs/run-Q58Faj9ZzmJVSFgX
```

Current Run

Triggered via CLI

CURRENT

#run-Q58Faj9ZzmJVSFgX

destroy run

GopiKrishna-0527 triggered via CLI

Applying

a few seconds ago

Run List

All 4

Needs Attention 0

Errored 0

Running 1

On Hold 0

Success 3

Search Runs

Status

Operation

Source

Triggered via CLI

CURRENT

#run-Q58Faj9ZzmJVSFgX

destroy run

GopiKrishna-0527 triggered via CLI

Applying

a few seconds ago

```
module.vpc.aws_route_table_association.private[0]: Destroying... [id=rtbassoc-0ab6212416f9695
module.vpc.aws_route.public[0]: Destroying... [id=r-rtb-0109383a008a6aeab1080289494]
module.vpc.aws_route_table_association.public[0]: Destroying... [id=rtbassoc-058e661dc265e973
module.vpc.aws_route_table_association.public[0]: Destruction complete after 1s
module.vpc.aws_subnet.public[0]: Destroying... [id=subnet-0c15bfd4eedf60d05]
module.vpc.aws_route_table_association.private[1]: Destruction complete after 1s
module.vpc.aws_route_table_association.private[0]: Destruction complete after 1s
module.vpc.aws_subnet.private[0]: Destroying... [id=subnet-0af98d345124ef6a8]
module.vpc.aws_subnet.private[1]: Destroying... [id=subnet-031b574fff742cc7d]
module.vpc.aws_route_table.private[0]: Destroying... [id=rtb-0393cf44d5c90dcba]
module.vpc.aws_route.public[0]: Destruction complete after 1s
module.vpc.aws_internet_gateway.base[0]: Destroying... [id=igw-03576da0efb1beb9d]
module.vpc.aws_route_table.public[0]: Destroying... [id=rtb-0109383a008a6aeab]
module.vpc.aws_subnet.public[0]: Destruction complete after 0s
module.vpc.aws_subnet.private[0]: Destruction complete after 1s
module.vpc.aws_subnet.private[1]: Destruction complete after 1s
module.vpc.aws_internet_gateway.base[0]: Destruction complete after 1s
module.vpc.aws_route_table.public[0]: Destruction complete after 1s
module.vpc.aws_route_table.private[0]: Destruction complete after 1s
module.vpc.aws_vpc.base: Destroying... [id=vpc-03c05055dc2f48b1e]
module.vpc.aws_vpc.base: Destruction complete after 1s

Apply complete! Resources: 0 added, 0 changed, 11 destroyed.
```

< Workspaces

terraform

Overview

Runs

States

Variables

Settings >

GopiKrishna / Workspaces / terraform / Overview

terraform

ID: ws-rkQLoGJcvWrK6UDU

[Add workspace description](#)

Unlocked

Resources 0

Tags 0

Terraform [v1.9.6](#)

Updated a few seconds ago

Latest Run

View all runs

Triggered via CLI

✓ Applied

GopiKrishna-0527 triggered a destroy run 2 minutes ago via CLI

Policy checks	Estimated cost change	Plan & apply duration	Resources changed	
Add	Enable	Less than a minute	+0 ~0 -11	

Q

< Workspaces

terraform

Overview

Runs

States

Variables

Settings >

GopiKrishna / Workspaces / terraform / States / sv-UpFS8Zu69UBJpnCY

terraform

ID: ws-rkQLoGJcvlwrK6UDU [🔗](#)

[Add workspace description.](#)

🔓 Unlocked 📄 Resources 0 🏷 Tags 0 🦋 Terraform v1.9.6 ⌚ Updated a few seconds ago

Triggered via CLI

#sv-UpFS8Zu69UBJpnCY | GopiKrishna-0527 triggered from Terraform 2 minutes ago | [#run-Q58Faj9ZzmJVSfgX](#)

Download

Older

filter

Apply

📘 Learn more about filtering JSON data.

🔍 Expand

🖥 Full screen

```
{
  "version": 4,
  "terraform_version": "1.9.6",
  "serial": 2,
  "lineage": "13be2056-4f12-4d38-5790-4bcf856f2e08",
  "outputs": {},
  "resources": [],
  "check_results": null
}
```