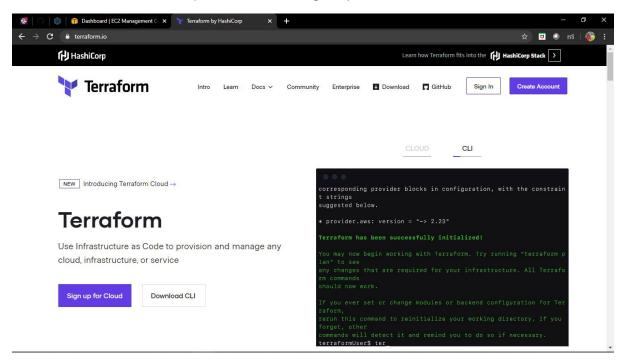
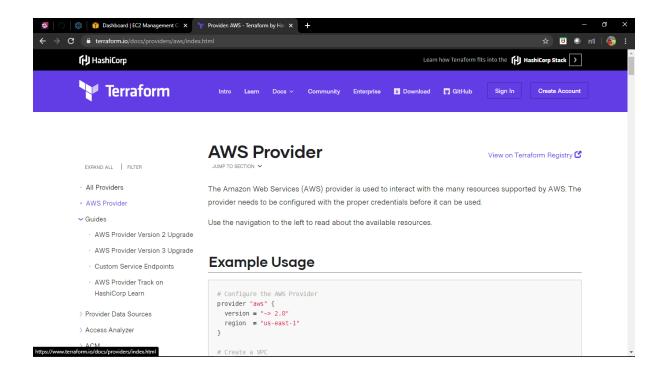
## **Terraform**

Use Infrastructure as Code to provision and manage any cloud, infrastructure, or service.





```
Command Prompt
 ::\Users\DELL>cd C:\Users\DELL\OneDrive\Desktop\Terraform
 :\Users\DELL\OneDrive\Desktop\Terraform>terraform.exe
Usage: terraform [-version] [-help] <command> [args]
The available commands for execution are listed below.
The most common, useful commands are shown first, followed by less common or more advanced commands. If you're just getting started with Terraform, stick with the common commands. For the other commands, please read the help and docs before usage.
 ommon commands:
       apply
console
                                            Builds or changes infrastructure
                                            Interactive console for Terraform interpolations
Destroy Terraform-managed infrastructure
                                            Workspace management
Rewrites config files to canonical format
Download and install modules for the configuration
       env
       fmt
       get
                                           Download and install modules for the configuration Create a visual graph of Terraform resources Import existing infrastructure into Terraform Initialize a Terraform working directory Obtain and save credentials for a remote host Remove locally-stored credentials for a remote host Read an output from a state file
       graph
       import
init
       login
       logout
       output
                                            Generate and show an execution plan
Prints a tree of the providers used in the configuration
Update local state file against real resources
Inspect Terraform state or plan
       providers
refresh
       show
                                            Manually mark a resource for recreation
Manually unmark a resource as tainted
Validates the Terraform files
       untaint
       validate
                                            Prints the Terraform version
Workspace management
       version
       workspace
All other commands:
                                            Rewrites pre-0.12 module source code for v0.12
Debug output management (experimental)
Manually unlock the terraform state
Obsolete command for Terraform Enterprise legacy (v1)
       0.12upgrade
       debug
force-unlock
       push
       state
                                             Advanced state management
 ::\Users\DELL\OneDrive\Desktop\Terraform>notepad ec2.tf
  :\Users\DELL\OneDrive\Desktop\Terraform>_
```

## 📕 \*ec2 - Notepad

```
File Edit Format View Help
provider "aws" {
  region = "ap-south-1"
  access_key = "
  secret_key = "
}
```

```
C:\Users\DELL\OneDrive\Desktop\Terraform>notepad ec2.tf

C:\Users\DELL\OneDrive\Desktop\Terraform>notepad ec2.tf

C:\Users\DELL\OneDrive\Desktop\Terraform>terraform init

Initializing the backend...

Initializing provider plugins...
- Checking for available provider plugins...
- Downloading plugin for provider "aws" (hashicorp/aws) 2.65.0...

The following providers do not have any version constraints in configuration, so the latest version was installed.

To prevent automatic upgrades to new major versions that may contain breaking changes, it is recommended to add version = "..." constraints to the corresponding provider blocks in configuration, with the constraint strings suggested below.

* provider.aws: version = "~> 2.65"

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.

C:\Users\DELL\OneDrive\Desktop\Terraform>

C:\Users\DELL\OneDrive\Desktop\Terraform>

C:\Users\DELL\OneDrive\Desktop\Terraform>

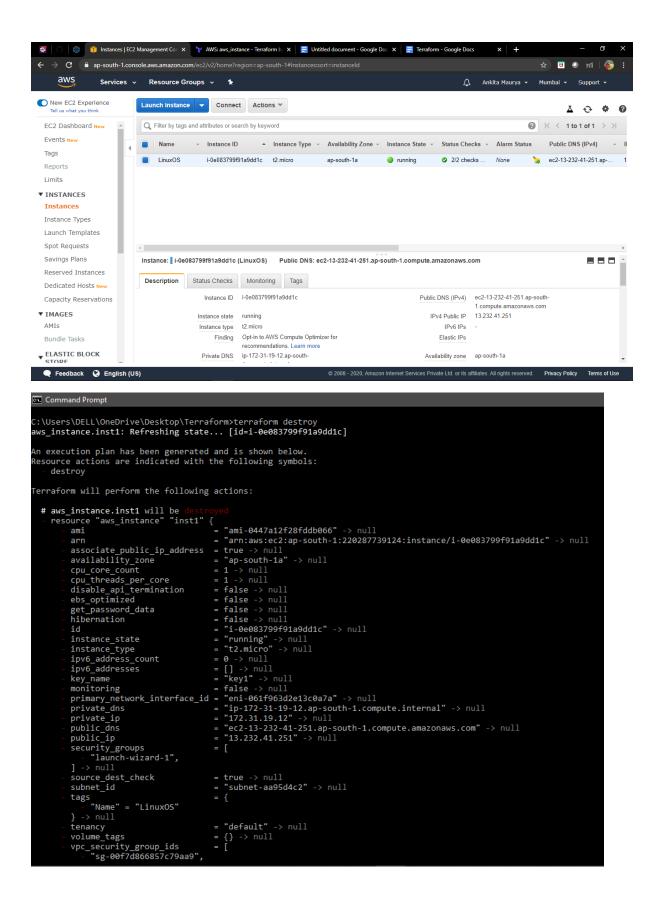
C:\Users\DELL\OneDrive\Desktop\Terraform>

C:\Users\DELL\OneDrive\Desktop\Terraform>
```

## 📕 \*ec2 - Notepad

```
region = "ap-south-1"
access_key = " "
secret_key = " "
}

resource "aws_instance" "inst1" {
ami = "ami-o447a12f28fddbo66"
instance_type = "t2.micro"
key_name = "key1"
security_groups =[ "launch-wizard-1" ]
tags = {
Name = "LinuxOS"
}
}
```



```
Command Prompt
             source_dest_check
                                                                 true -> null
                                                                  "subnet-aa95d4c2" -> null
             subnet_id
             tags
- "Name" = "LinuxOS"
             } -> null
            = "default" -> null
                                                              = {} -> null
= [
             credit_specification {
    - cpu_credits = "standard" -> null
             metadata_options {
                                                                   = "enabled" -> null
                    http_endpoint
                    http_endpoint
http_put_response_hop_limit = 1 -> null
http_takens = "optional" -> null
             root_block_device {
    delete_on_termination = true -> null
    device_name = "/dev/xvda" -
                                                        = false -> null
= 100 -> null
= "vol-0aeded138ca494275" -> null
                    encrypted
                    iops
                    volume id
                    volume_size
volume_type
                                                           8 -> null
"gp2" -> null
Plan: 0 to add, 0 to change, 1 to destroy.
Do you really want to destroy all resources?
Terraform will destroy all your managed infrastructure, as shown above.
There is no undo. Only 'yes' will be accepted to confirm.
   Enter a value: yes
aws_instance.inst1: Destroying... [id=i-0e083799f91a9dd1c]
aws_instance.inst1: Still destroying... [id=i-0e083799f91a9dd1c, 10s elapsed]
aws_instance.inst1: Still destroying... [id=i-0e083799f91a9dd1c, 20s elapsed]
aws_instance.inst1: Destruction complete after 20s
```

