#### TASKS ON TERRAFORM

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**DATE:** 18/07/2025

**\*** BATCH: 11

**❖ NO.OF TASKS: 1** 

# Task 1. Create 3 .tf files with a single resource inside

We need to create **three** .tf files, each with a single resource that is a local file, here is a clear structure and example content for each file, using the [local\_file resource from the local provider]

# **Creating files**

We create a file named main1.tf using vi main1.tf

Enter the contents in main1.tf and save it using esc:wq

```
resource ''local_file'' ''filecreation1'' {
  filename = ''abc1.txt''
  content = ''This is the content of file one''
}
```

We create a file named main1.tf using vi main2.tf

Enter the contents in main2.tf and save it using esc:wq

```
resource ''local_file'' ''filecreation2'' {
  filename = ''abc2.txt''
  content = ''This is the content of file two''
}
```

We create a file named main1.tf using vi main3.tf

Enter the contents in main3.tf and save it using esc:wq

```
resource "local_file" "filecreation3" {
  filename = "abc3.txt"
  content = "This is the content of file three"
  }
```

```
resource "local_file" "filecreationg" {
    filename = "abc3.txt"
    content = "This is the content of file three"
}

"main3.tf" 5L, 1188

1,36 All
```

#### Run the command Initialize Terraform

#### terraform init

```
mujju@VMterra:~/b11/180725$ vi main1.tf
mujju@VMterra:~/b11/180725$ vi main2.tf
mujju@VMterra:~/b11/180725$ vi main3.tf
mujju@VMterra:~/b11/180725$ vi main3.tf
mujju@VMterra:~/b11/180725$ terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/local v2.5.3...
- Installing hashicorp/local v2.5.3...
- Installing hashicorp/local v2.5.3 (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.
mujju@VMterra:~/b11/180725$
```

Check the contents of directory using tree -a

Run the command terraform validate

```
mujju@VMterra:~/b11/180725$ terraform validate
Success! The configuration is valid.
```

We need to run following commands next

### terraform plan

- Think of it as a **preview** or **dry run**.
- It shows:
  - o What Terraform wants to create, change, or delete.
- No changes are made to our real environment when running plan.
- Helps spot mistakes before applying.

#### terraform apply

- This is the **action** step.
- Terraform uses our .tf files to actually:
  - o Create, modify, or delete real resources (VMs, networks, etc.).
- We will usually get a confirmation prompt before changes happen.

#### Run the command terraform plan

```
### Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:

- create

**Foration**

**Forated**

**Fora
```

## Run the command terraform apply

**Terraform** will show a summary of actions and prompt you for confirmation. Type **yes** when prompted.