Lab Exercise 2– Terraform AWS Provider Configuration

Prerequisites: Terraform Installed: Make sure you have Terraform installed on your machine. Follow the official installation guide if needed.

Exercise Steps:

Step 1: Create a New Directory:

Create a new directory for your Terraform configuration:

"Terraform-Demo"

📁 MilletiQue	24-04-2024 21:33	File folder
📁 Nginx_And_Chill	20-09-2024 11:40	File folder
📁 Terraform-Demo	16-01-2025 14:19	File folder
📁 vagrant_lab	12-08-2024 22:39	File folder
📁 Web-Dev	11-01-2025 15:31	File folder
📁 Web-Technologies	23-04-2024 11:26	File folder
📁 Zwebsite	02-10-2024 00:35	File folder

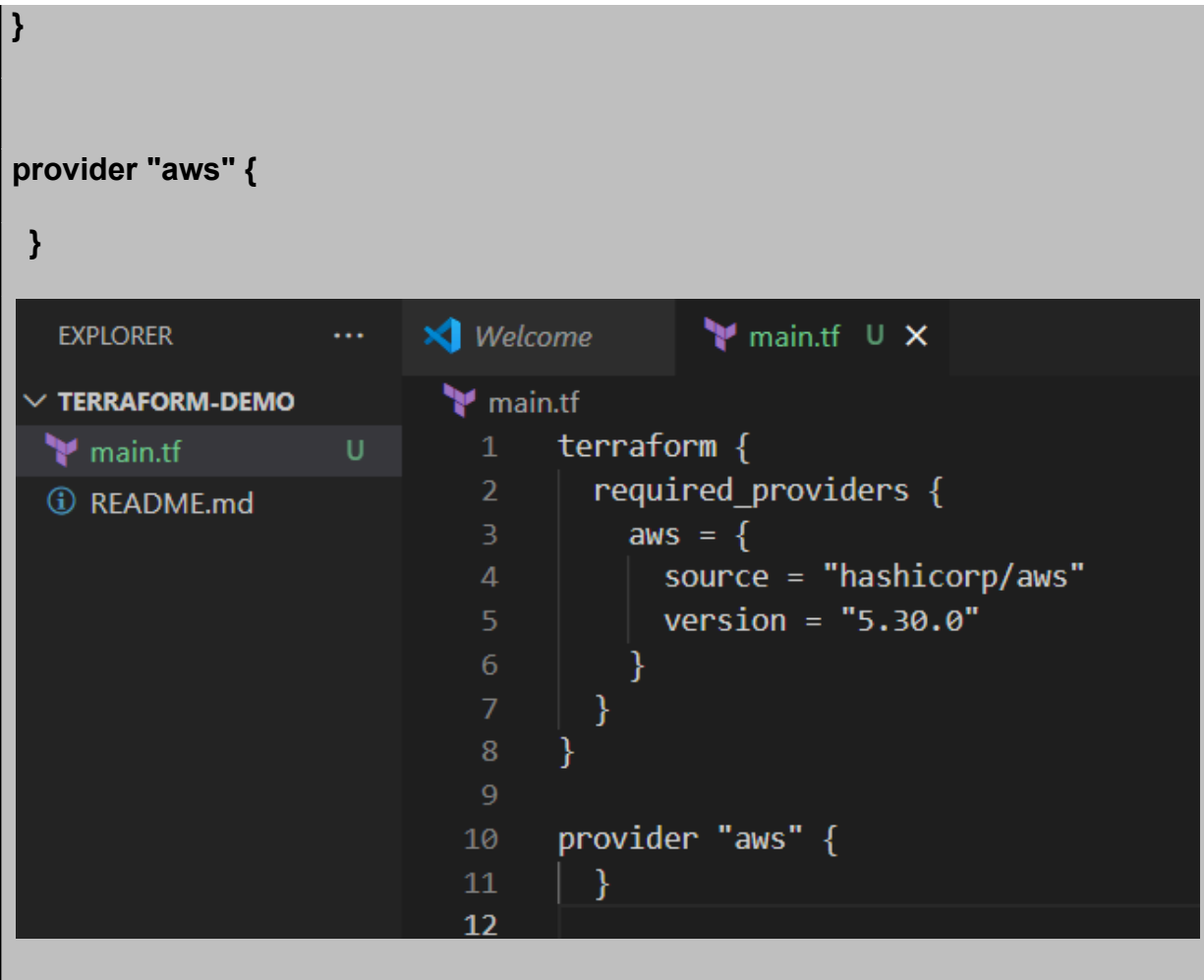**Step 2: Create Terraform Configuration File (main.tf):**

Create a file named main.tf with the following content:

```
terraform {

 required_providers {

  aws = {

   source = "hashicorp/aws"

   version = "5.30.0"

  }

 }
```

```
}


provider "aws" {

 }
```

```
EXPLORER                    ...     ▼ Welcome          ▼ main.tf  U  ✕

∨ TERRAFORM-DEMO                    ▼ main.tf
  ▼ main.tf            U            1    terraform {
  ⓘ README.md                      2      required_providers {
                                    3        aws = {
                                    4          source = "hashicorp/aws"
                                    5          version = "5.30.0"
                                    6        }
                                    7      }
                                    8    }
                                    9
                                   10    provider "aws" {
                                   11      }
                                   12
```

Step 3: Initialize Terraform:

Run the following command to initialize your Terraform working directory:

```
terraform init
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS    COMMENTS

- Installing hashicorp/aws v5.30.0...
- Installed hashicorp/aws v5.30.0 (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 C:\Github Repositores\Terraform-Demo>
```