

## Lab Exercise 2

### Terraform AWS Provider and IAM User Setting

#### 1. Create a New Directory:

```
PS E:\> mkdir aws-terraform-demo

Directory: E:\

Mode                LastWriteTime         Length Name
----                -
d-----          31-01-2024         09:42         aws-terraform-demo

PS E:\> cd .\aws-terraform-demo\
PS E:\aws-terraform-demo> |
```

#### 2. Create Terraform Configuration File (main.tf):

```
main.tf
1  terraform {
2      required_providers {
3          aws = {
4              source = "hashicorp/aws"
5              version = "5.34.0"
6          }
7      }
8  }
9
10 provider "aws" {
11     region = "us-east-2"
12     access_key = "AKIAWTT2B4CQYHJ5K0PG"
13     secret_key = "bVzvUbyfZf4HBD+l17XHAPsc1S3nKqBlAIoXegQ7"
14 }
```

### 3. Initialize Terraform:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS E:\aws-terraform-demo> terraform init

Initializing the backend...

Initializing provider plugins...
- Finding hashicorp/aws versions matching "5.34.0"...
- Installing hashicorp/aws v5.34.0...
- Installed hashicorp/aws v5.34.0 (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 E:\aws-terraform-demo> |
```

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