

Lab 01: Create an Azure Resource Group using Terraform

Objective

In this lab, you'll set up a Terraform project in **VS Code** and use it to deploy your first **Azure Resource Group**. Make sure are you logged in Azure CLI using az login command

Folder Naming Convention

Create a new folder for this lab:

```
terraform-lab-01-create-resource-group
```

Steps

1. **Launch VS Code**
2. **Create the Lab Folder**
 - Open a folder in VS Code named: terraform-lab-01-create-resource-group
3. **Create Terraform Configuration File**
 - Inside VS Code, create a new file named:

```
main.tf
```

- This file will contain your Terraform code.
4. **Set Your Resource Group Name**
 - The resource group must follow this format:

```
rg-<yourname>-qe-lab-01
```

- Example: rg-rithin-qe-workshop
5. **Initialize Terraform**
 - Open the terminal in VS Code.
 - Run:

```
terraform init
```

6. **Validate the Configuration**
 - Run:

```
terraform validate
```

7. Deploy the Resource Group

- Run:

```
terraform plan
terraform apply
```

8. Confirm in Azure Portal

- Go to the Azure Portal and confirm the resource group has been created with the correct name and region.

Deliverables

- A working `main.tf` file with the resource group defined.
- Successfully deployed Azure Resource Group using Terraform.