

## Step-01: Introduction

---

- Provide Input Variables using `<any-name>.tfvars` file with CLI argument `-var-file`

## Step-02: Assign Input Variables with `-var-file` argument

---

- If we plan to use different names for `.tfvars` files, then we need to explicitly provide the argument `-var-file` during the `terraform plan` or `apply`
- We will use following things in this example
- **terraform.tfvars:** All other common variables will be picked from this file and environment specific files will be picked from specific `env.tfvars` files
- **dev.tfvars:** `environment` and `resource_group_location` variable will be picked from this file
- **qa.tfvars:** `environment` and `resource_group_location` variable will be picked from this file

### terraform.tfvars

```
business_unit = "it"
resource_group_name = "rg-tfvars"
virtual_network_name = "vnet-tfvars"
subnet_name = "subnet-tfvars"
```

### dev.tfvars

```
environment = "dev"
resource_group_location = "eastus2"
```

### qa.tfvars

```
environment = "qa"
resource_group_location = "eastus"
```

## Step-03: Execute Terraform Commands

---

```
# Initialize Terraform
terraform init

# Validate Terraform configuration files
terraform validate

# Format Terraform configuration files
terraform fmt

# Review the terraform plan
terraform plan -var-file="dev.tfvars"
terraform plan -var-file="qa.tfvars"

# Terraform Apply - Dev Environment
terraform apply -var-file="dev.tfvars"

# Terraform Apply - QA Environment
terraform apply -var-file="qa.tfvars" # DONT DO THIS FROM SAME WORKING DIRECTORY AS OF NOW
Observation
```

1. When we `run` the above command with `"qa.tfvars"` it will try to replace current dev resources with qa which is not right.
2. Later when we learn Terraform Workspaces concept we can create multiple environments in same working directory under different workspaces.
3. As of now we didn't reach that state of learning.
4. In next sections of the course we will learn.

## Step-04: Destroy Resources

---

```
# Destroy Resources
terraform destroy -auto-approve

# Delete Files
rm -rf .terraform*
rm -rf terraform.tfstate*
```

## References

---

- [Terraform Input Variables](#)