

## Step-01: Introduction

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- Provide Input Variables when prompted during `terraform plan` or `apply` in CLI

## Step-02: Input Variables Assign When Prompted

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- Add a new variable in `c2-variables.tf` named `subnet_name` without any default value.
- As the variable doesn't have any default value when you execute `terraform plan` or `terraform apply` it will prompt for the variable.

```
# 6. Subnet Name: Assign When Prompted using CLI
variable "subnet_name" {
  description = "Virtual Network Subnet Name"
  type = string
}
```

## Step-03: Update c4-virtual-network.tf Subnet Resource

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```
# Create Subnet
resource "azurerm_subnet" "mysubnet" {
  #name                = var.subnet_name
  name                 = "${azurerm_virtual_network.myvnet.name}-${var.subnet_name}"
  resource_group_name = azurerm_resource_group.myrg.name
  virtual_network_name = azurerm_virtual_network.myvnet.name
  address_prefixes     = ["10.0.2.0/24"]
}
```

## Step-04: Execute Terraform Commands

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```
# Initialize Terraform
terraform init

# Validate Terraform configuration files
terraform validate

# Format Terraform configuration files
terraform fmt

# Review the terraform plan
terraform plan

# Observation
1. Verify Resource Group Name
2. Verify Virtual Network Name
3. Verify Virtual Network Subnet Name
```

## Step-05: Clean-Up

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

## References

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- [Terraform Input Variables](#)