

Step-01: Introduction

- Understand Terraform Language Basics

Step-02: Terraform Configuration Language Syntax

- Understand Blocks
- Understand Arguments
- Understand Identifiers
- Understand Comments
- [Terraform Configuration](#)
- [Terraform Configuration Syntax](#)

```
# Template
<BLOCK TYPE> "<BLOCK LABEL>" "<BLOCK LABEL>" {
  # Block body
  <IDENTIFIER> = <EXPRESSION> # Argument
}

# Azure Example
# Create a resource group
resource "azurerm_resource_group" "myrg" { # Resource BLOCK
  name = "myrg-1" # Argument
  location = "East US" # Argument
}

# Create Virtual Network
resource "azurerm_virtual_network" "myvnet" { # Resource BLOCK
  name = "myvnet-1" # Argument
  address_space = ["10.0.0.0/16"]
  location = azurerm_resource_group.myrg.location # Argument with value as expression
  resource_group_name = azurerm_resource_group.myrg.name # Argument with value as expression
}
```

Step-03: Understand about Arguments, Attributes and Meta-Arguments.

- Arguments can be required OR optional
- Attributes format looks like `resource_type.resource_name.attribute_name`
- [Resource: Azure Resource Group](#)
- [Resource: Azure Resource Group Argument Reference](#)
- [Resource: Azure Resource Group Attribute Reference](#)
- [Resource: Meta-Arguments](#)

Step-04: Terraform Top-Level Blocks

1. Terraform Settings Block
2. Provider Block
3. Resource Block
4. Input Variables Block
5. Output Values Block