

From zero to hero

Infrastructure as Code

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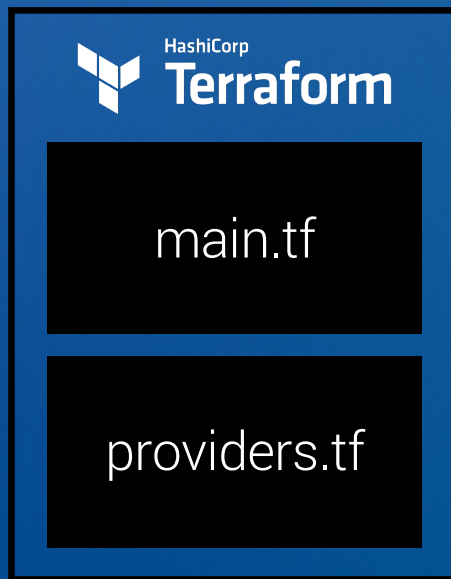
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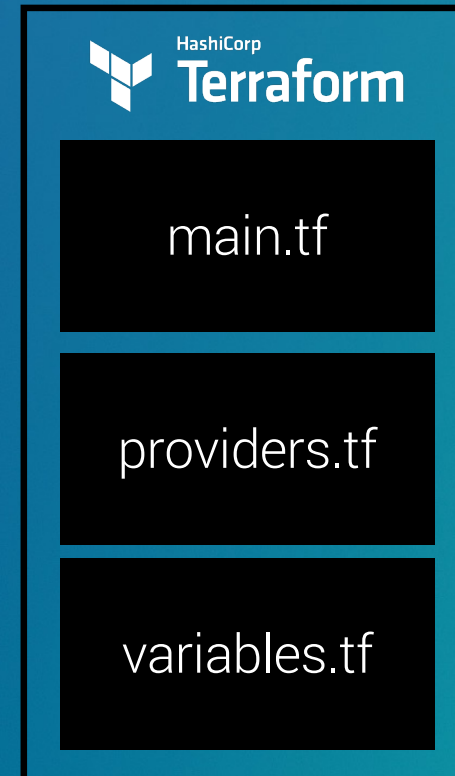
Goals for this session

1. Understand how to inject values from outside in our terraform files
2. How to use variables
3. Understand types
4. Understand how to create and use local variables

How to inject a variable?



Add variables.tf



How the variables.tf looks like?

- Includes only variable blocks which define a variable

```
variable "test_variable" {  
  type = string  
  description = "The Description of the test variable"  
  default = "test"  
}
```

Variable Structure



[Types and Values - Configuration Language |](#)
[Terraform | HashiCorp Developer](#)

Cli Command for injection

- Add Cli Option to your plan and apply command

```
terraform plan -var=test_variable=iwas
```

How to use it in your files

```
resource "azurerm_resource_group" "rg_example" {  
  name      = var.test_variable  
  location = "switzerlandnorth"  
}  
  
resource "azurerm_resource_group" "rg_example2" {  
  name      = "terraformcourse-${var.test_variable}"  
  location = "switzerlandnorth"  
}
```

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Practice01

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local variables

Write it to your main.tf

```
locals {  
  app_name = "app${var.test_variable}"  
  location = var.test_variable == "test" ? "switzerlandnorth" : "eu-west"  
}  
  
resource "azurerm_resource_group" "rg_example" {  
  name      = local.app_name  
  location  = local.location  
}  
  
resource "azurerm_storage_account" "st_example" {  
  name                          = "sto${local.app_name}"  
  resource_group_name          = azurerm_resource_group.rg_example.name  
  location                     = azurerm_resource_group.rg_example.location  
  account_tier                 = "Standard"  
  account_replication_type     = "GRS"  
}
```

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Practice02

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