

From zero to hero

Infrastructure as Code

Daniel Hasselwander

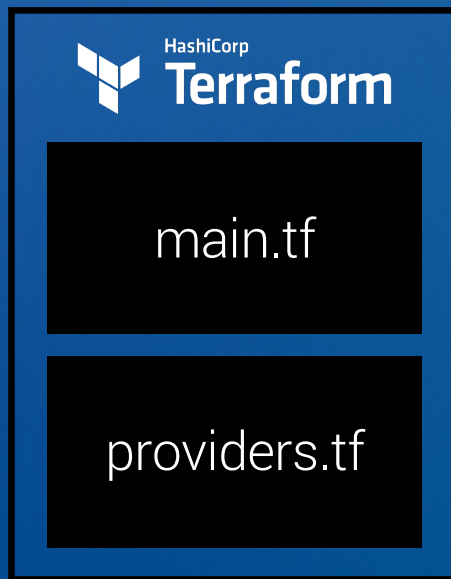
ti&m



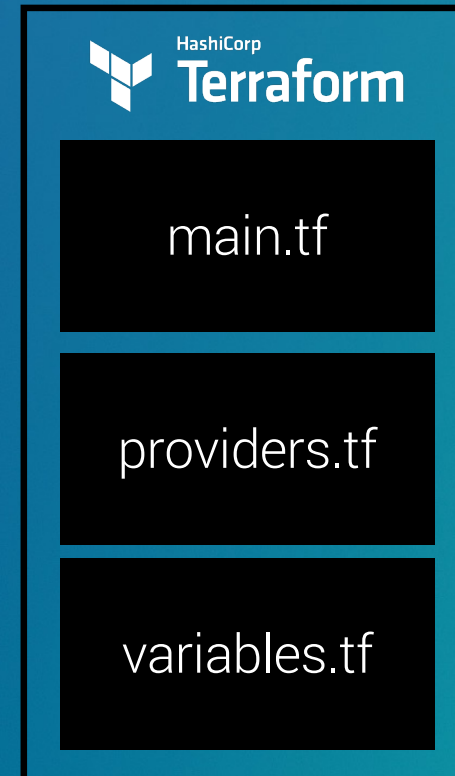
Goals for this session

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"  
}
```

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"  
}
```


We digitalize your company.

Practice06

ti&m.com

ti&m AG
Buckhauserstrasse 24
8048 Zurich
SWITZERLAND
+41 44 497 75 00

ti&m AG
Monbijoustrasse 68
3007 Bern
SWITZERLAND
+41 31 960 15 55

ti&m AG
Innere Margarethenstrasse 5
4051 Basel
SWITZERLAND
+41 61 501 29 99

ti&m GmbH
Schaumainkai 91
60596 Frankfurt am Main
GERMANY
+49 69 24745268-0

ti&m GmbH
Kesselstrasse 3
40221 Dusseldorf
GERMANY
+49 211 90989580

ti&m Pte. Ltd.
18 Robinson Road #15-16
Singapore 048547
SINGAPORE
+65 6983 9530

ti&m