Terraform

Table of Contents
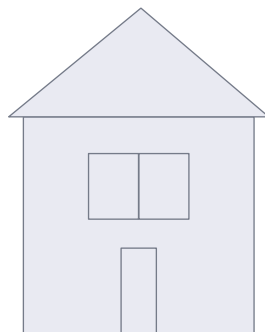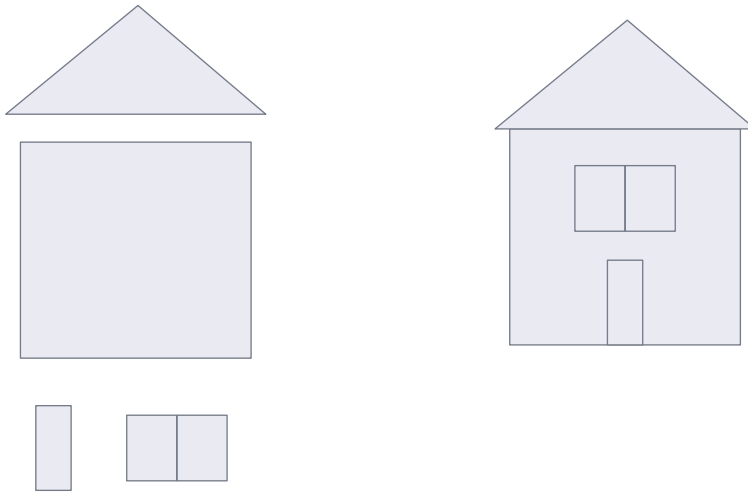
► Modules

Modules

Modules and Variables
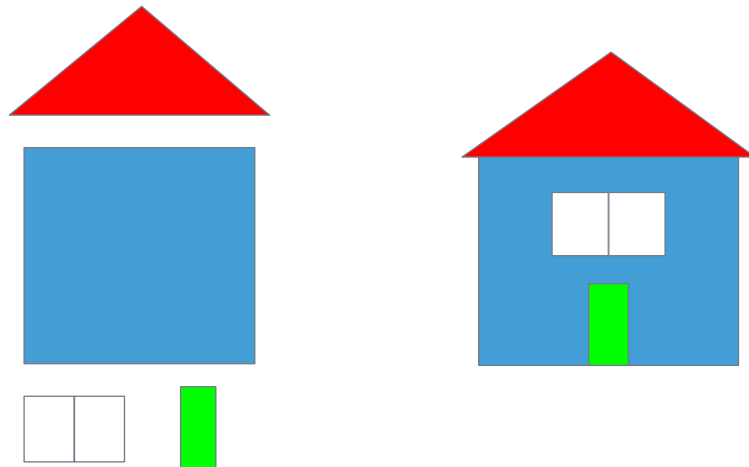
Modules and Variables

Modules and Variables

Variables   ## Modules   ## Infrastructure


```
roof    = red
wall    = blue
window  = white
door    = green
```
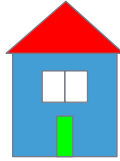
Modules and Variables

Oliver

```
roof    = red
wall    = blue
window  = white
door    = green
```
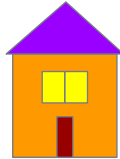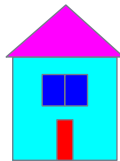
Tomy

```
roof    = purple
wall    = orange
window  = yellow
door    = red berry
```
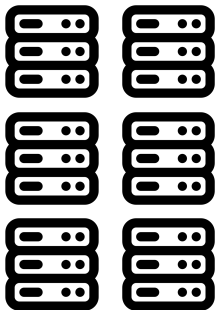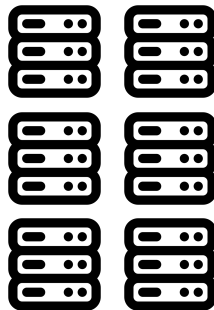
Tyler

```
roof    = magenta
wall    = cyan
window  = blue
door    = red
```
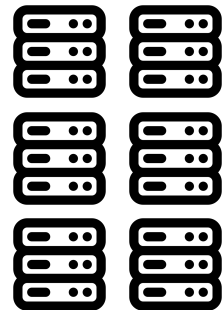
Introduction to DevOps

DEV Environmet

TEST Environmet

PROD Environmet

Modules


```
resource "aws_instance" "tfec2" {
  ami = ami-123456789
  instance_type = var.instance_type
  security_groups = ["tf-sec-grp"]
}
```

Source

instance_type

Development ⟹ t3a.medium

Testing ⟹ m5.large

Production ⟹ t3.xlarge

Modules

```
module "dev-ec2" {
  source = "./source"
  instance_type = var.instance_type
}
```

Development   Testing   Production

Modules and Variables

Variables

```
ami           = var.ec2_ami
instance_type = var.instance_type
key_name      = var.key_name
tags          = var.tags
```

Modules

Amazon EC2

Modules

```
module "dev-ec2" {
 source = "./source"
 instance_type = var.instance_type
}
```
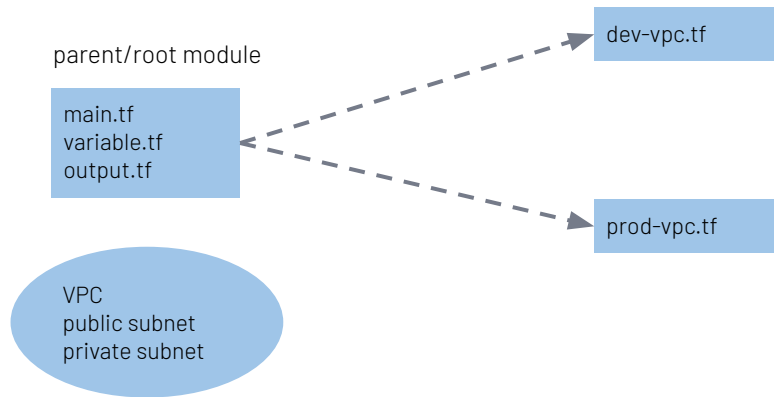
Development	Testing	Production

Modules

parent/root module

main.tf
variable.tf
output.tf

dev-vpc.tf

prod-vpc.tf

VPC
public subnet
private subnet

TERRAFORM IMPORT

MAIN.TF

manuel provision

linux ec2 ⟷ linux ec2

ubuntu ⟷ ubuntu

red hat

sg ⟷ sg
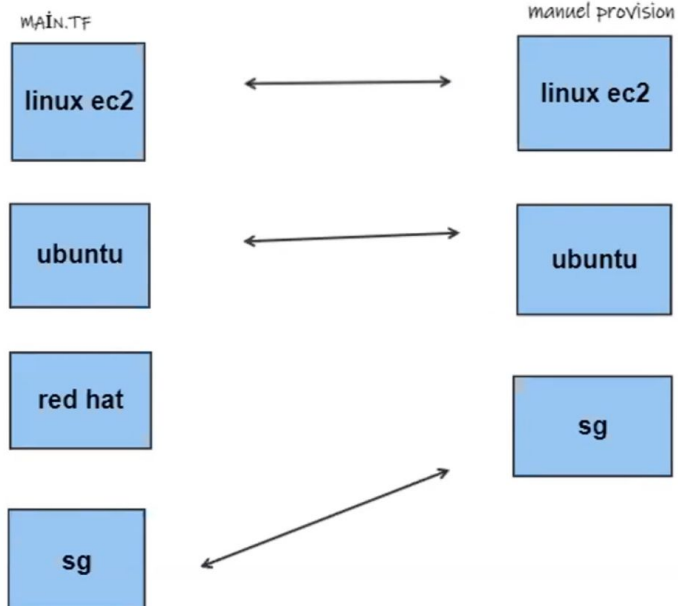
THANKS!

Any questions?

You can find me at:

- ▸ oliver@clarusway.com