

# Modules

---

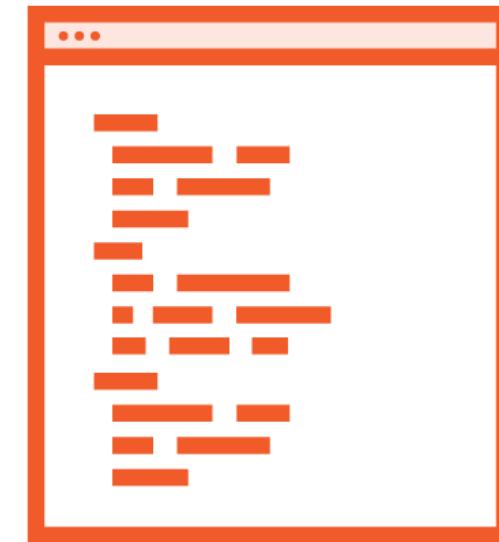
# Automating Infrastructure Deployment



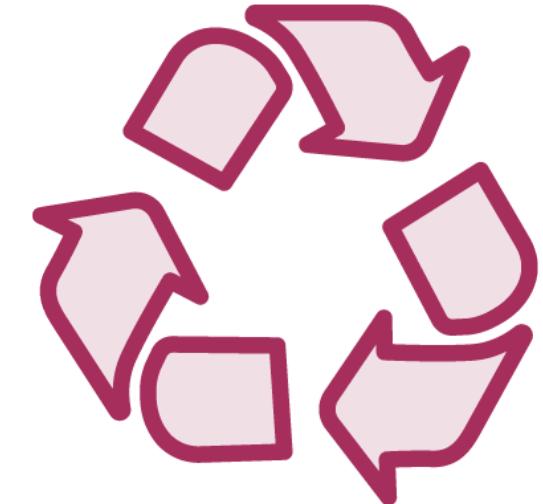
Provisioning  
resources



Planning  
updates



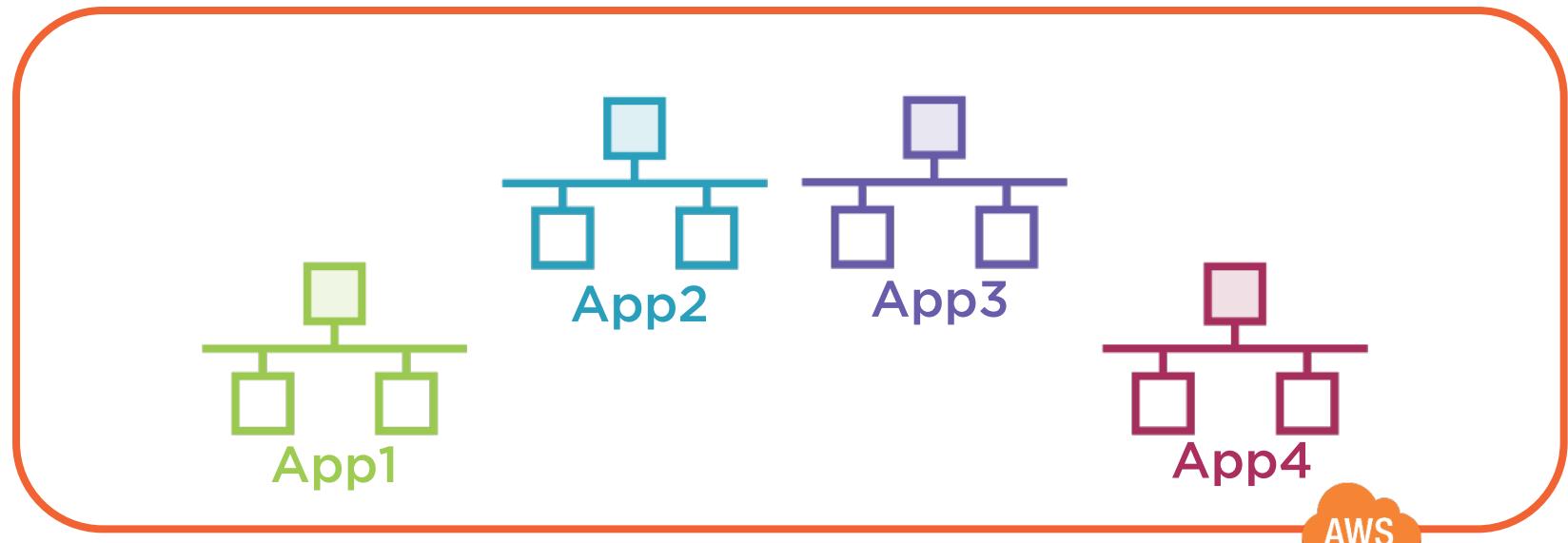
Using source  
control



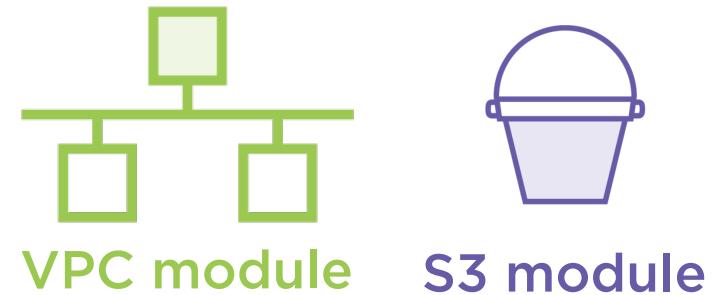
Reusing  
templates



# The Scenario



**VPC  
Subnets  
Internet gateway  
Routing**



# Module

---

- A *module* is a container for multiple resources that are used together
- Every Terraform configuration has at least one module, known as its *root module*, which consists of the resources defined in the .tf files in the main working directory

# Module- Components



Input Variables



Resources



Output values

# Modules

```
variable "name" {}

resource "aws_s3_bucket" "bucket" {

    name = var.name

    [...]

}

output "bucket_id" {

    value = aws_s3_bucket.bucket.id

}
```

# MODULES

```
#Create module bucket

module "bucket" {
  name = "taco-bucket"
  source = ".\\Modules\\s3"
}

#Use taco-bucket

resource "aws_s3_bucket_object" {

  bucket = module.bucket.bucket_id [...]

}
```

Thank you ☺