Terraform – Getting Started

DEPLOYING YOUR FIRST TERRAFORM CONFIGURATION

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Overview

Automating infrastructure

What's the scenario?

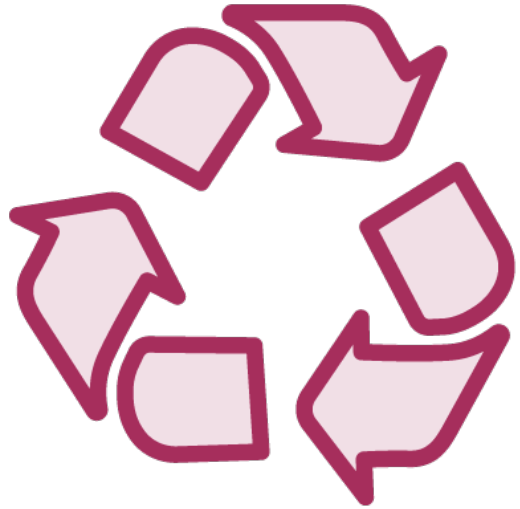
Terraform: "Hello world"

Automating Infrastructure Deployment

Provisioning Resources

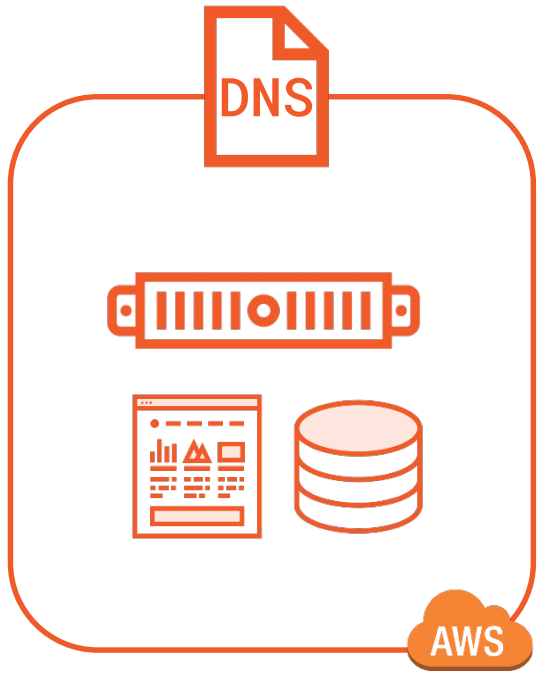
Planning Updates

Using Source Control



Reusing Templates

The Scenario



Terraform Components

Terraform Executable

Terraform File

```
variable "aws_access_key" {}

variable "aws_secret_key" {}


provider "aws" {

  access_key = "access_key“
  secret_key = “secret_key”
  region = “us-east-1”

}
```

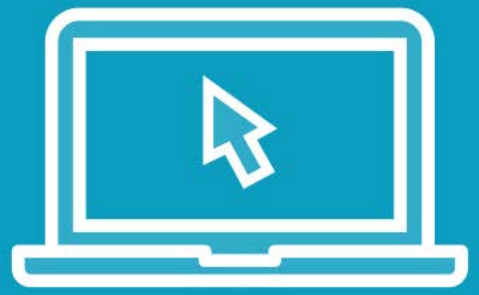
- Variables
- Provider

```
resource "aws_instance" "ex"{

  ami = "ami-c58c1dd3"
  instance_type = "t2.micro"

}

output "aws_public_ip" {

  value =
  "${aws_instance.ex.public_dns}"

}
```

◀ Resource

◀ Output

Demo



Examine the Terraform file

Deploy the configuration

Review the results

Play along!

- AWS account
- Demo files

Some of the resources deployed in AWS may cost **money**. You've been warned.

Summary

Key components of a Terraform file

Deploying infrastructure

- Repeatable
- Consistent

Coming up

- Adding resources
- Planning updates
- Conquering the world?