

Terraform Import Configurations

1. Create EC2 instance manually on AWS console

Name: ritesh-webserver
type: t2.micro
Default VPC

2. Create main.tf file with provider configurations

```
// Provider configuration
terraform {
  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "~> 3.7"
    }
  }
}

provider "aws" {
  region = "ap-south-1"
}
```

3. Initialize by running

\$ terraform init

4. Write Hashicorp terraform configuration file (main.tf) for importing the ec2 instance

```
resource "aws_instance" "webserver" {
  ami      = "unknown"
  instance_type = "unknown"
}
```

5. Execute import command

\$ terraform import aws_instance.webserver <Instance ID>

6. Observe the tfstate file which got created. You can see all the infra details associated with ec2 instance

7. Now we have mapped our terraform configuration file (main.tf) with an AWS ec2 instance but any attempt to plan/apply this configuration will fail because we have not adjusted the values of its attributes. Execute terraform plan and check the

arguments which are responsible to replace the instance. You will need to add all those arguments in the terraform configuration file (main.tf).

8. Update the terraform configuration file (main.tf)
9. Execute below commands to check the terraform configuration file (main.tf) consistency with AWS
 - \$ terraform plan
 - \$ terraform apply

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