**CLOUD SECURITY PROJECT**

**Start Vault**

**A black screen with white text

Description automatically generatedA screenshot of a computer program

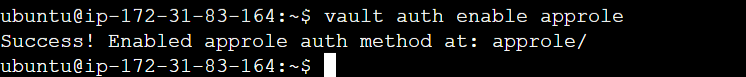
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**Create a demo vault of test-secret and added Key name as Username & Value as credentials.**

**A computer screen with numbers and letters

Description automatically generated**

**Enable AppRole Authentication**

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**Create a Policy**

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Description automatically generated**

**Create an AppRoleA screen shot of a computer

Description automatically generated**

**Generate Role ID**

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**Generate Secret ID**

**A computer screen with numbers and letters

Description automatically generated**

**Terraform File**

**Main.tf**

# AWS provider configuration

provider "aws" {

region = "us-east-1"

}

# Vault provider configuration

provider "vault" {

address = "http://3.82.196.118:8200"

skip\_child\_token = true

auth\_login {

path = "auth/approle/login"

method = "approle"

parameters = {

role\_id = "00191e3b-2765-739b-bdd8-cd0bdda350a5"

secret\_id = "8afc8993-9929-d91c-2088-8f0cf2354197"

}

}

}

# Vault KV secret data source

data "vault\_kv\_secret\_v2" "example" {

mount = "secret"

name = "test-secret"

}

# AWS instance resource

resource "aws\_instance" "my\_instance" {

ami = "ami-053b0d53c279acc90"

instance\_type = "t2.micro"

tags = {

Name = "test-instance"

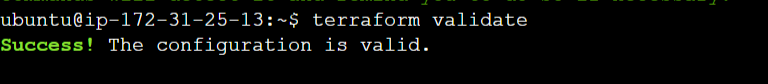
Secret = data.vault\_kv\_secret\_v2.example.data["username"]

}

}

**Execute terraform init**A screenshot of a computer program

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**Execute terraform apply**

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A screen shot of a computer

Description automatically generated

**Instances**

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