**Cloud Security project**

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Main.tf

# AWS provider configuration

provider "aws" {

region = "us-east-1"

}

# Vault provider configuration

provider "vault" {

address = "http://3.93.76.255:8200"

skip\_child\_token = true

auth\_login {

path = "auth/approle/login"

method = "approle"

parameters = {

role\_id = "2ca3990f-b919-8ba9-8ea2-b23f7b97a8d7"

secret\_id = "669b83f1-c8ab-d991-5731-82280b24f634"

}

}

}

# Vault KV secret data source

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

mount = "secret"

name = "test-secret"

}

# AWS instance resource

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

ami = "ami-053b0d53c279acc90"

instance\_type = "t2.micro"

tags = {

Name = "vault-test-instance"

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

}

}