**Install Terraform on Ubuntu: 24.04 LTS**

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A computer screen with text on it

AI-generated content may be incorrect.

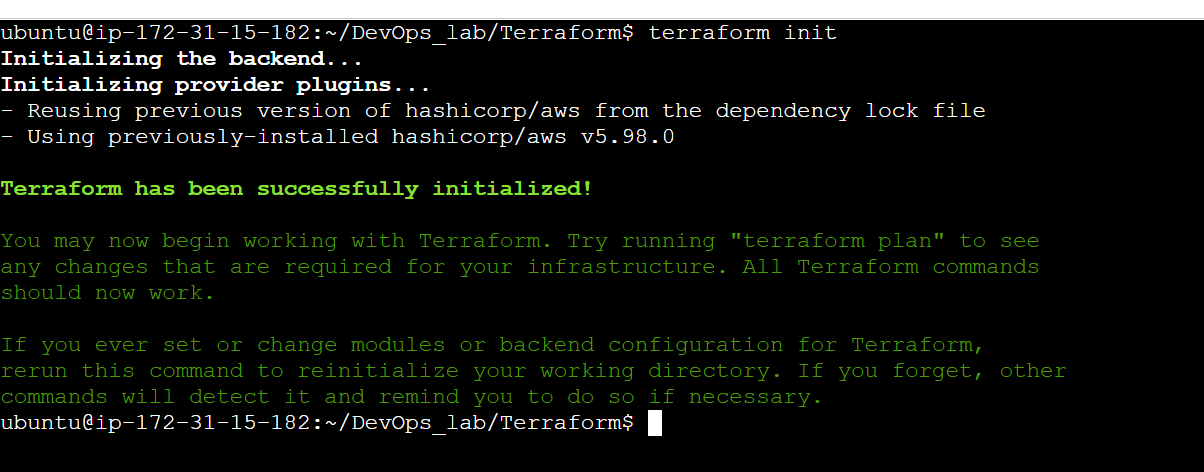
Unzip the Terraform folder and check the version

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Step -1 Initialize Terraform use the following command:

**terraform init**

****

**Step 2: create the terraform.tf file**

**sudo nano example.tf**

provider "aws" {

profile = "default"

region = "ap-south-1"

}

resource "aws\_instance" "example" {

ami = "ami-0e35ddab05955cf57"

instance\_type = "t2.micro"

tags = {

Name = "myinstance"

}

}

**Step 3: validate the syntax of files**

**terraform validate**

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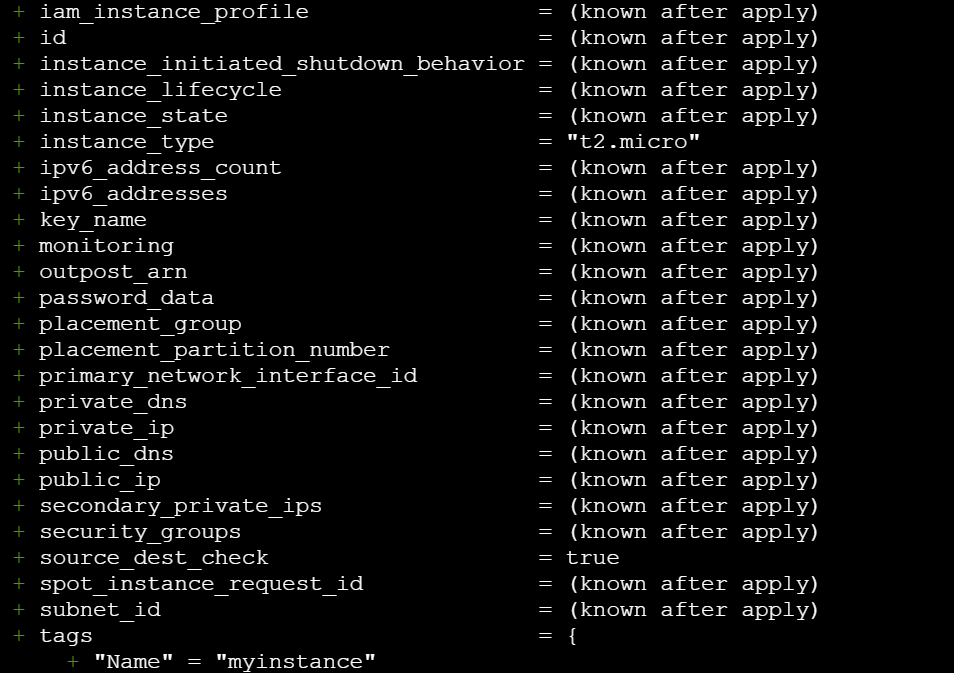
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**Step 4: check the resources created/deleted using terraform plan**

**terraform plan**

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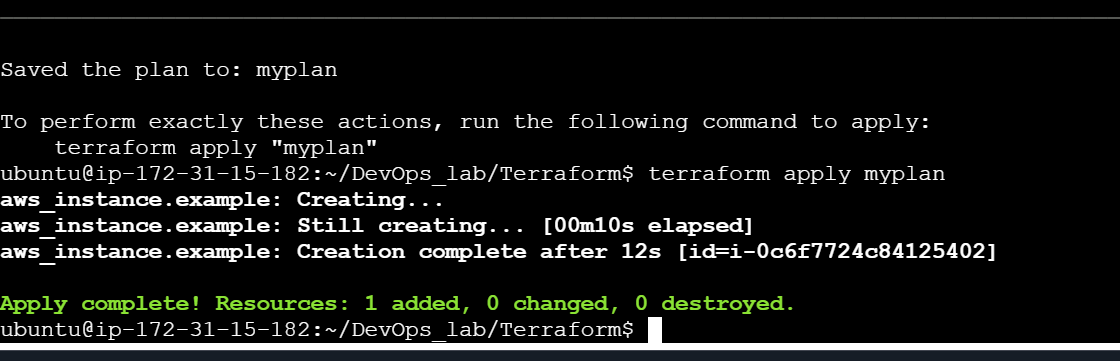
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A screen shot of a computer

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**terraform plan -out myplan**

****

**Step 5: Apply the plan created**

**terraform apply myplan**

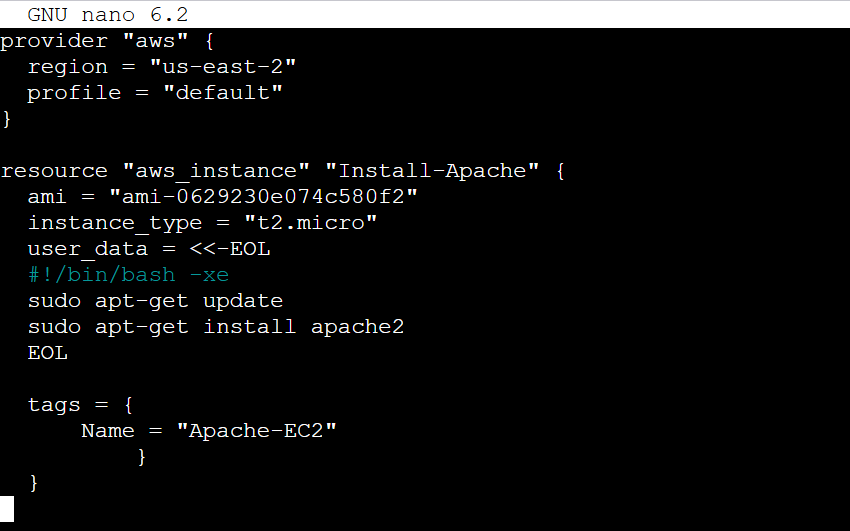
**Login to AWS console and check if new instance (myinstance) is created**

**A screenshot of a computer

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**Additional exercise**

Run a script inside the new EC2 instance created



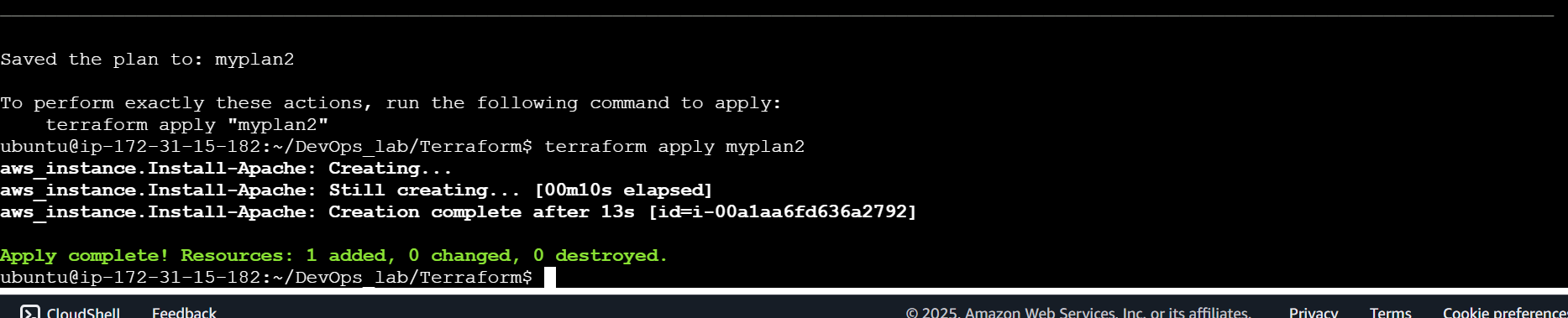
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A screenshot of a computer program

AI-generated content may be incorrect.

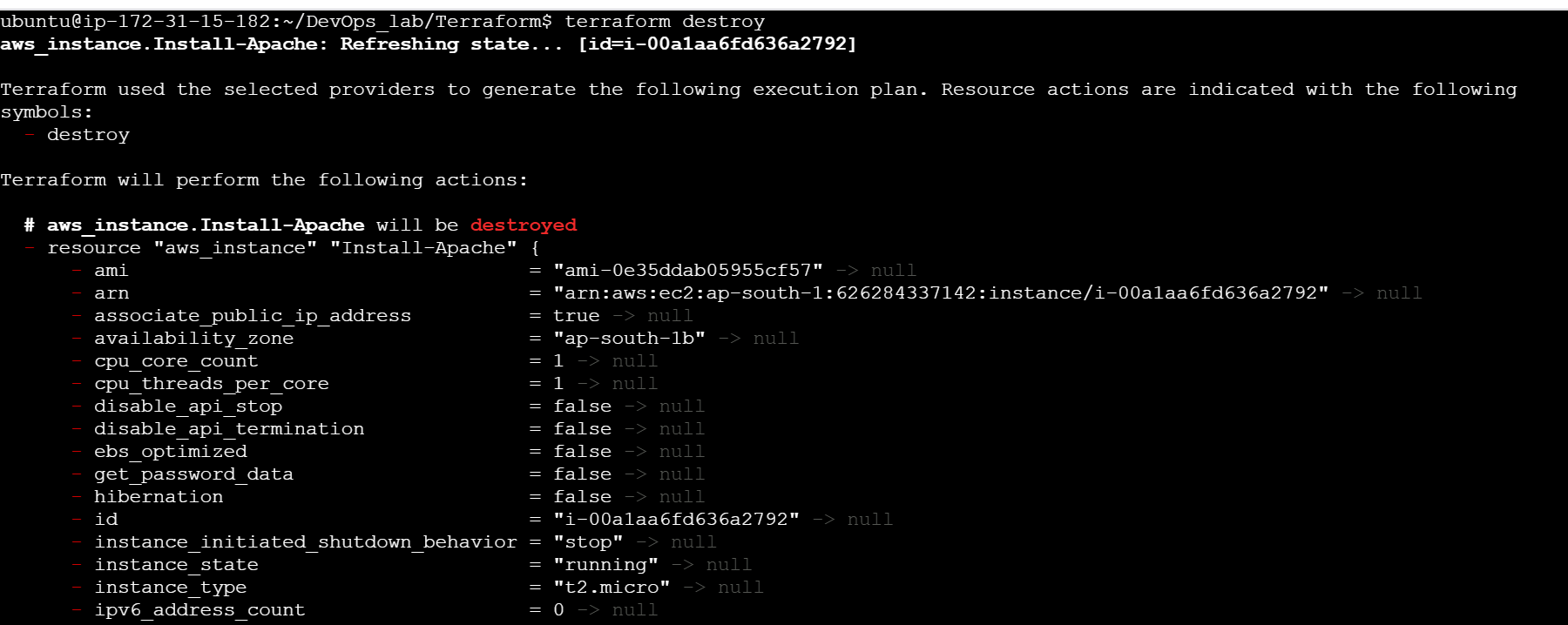
**terraform apply myplan2**

****

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Destroy the resources – use **terraform destroy**



A screen shot of a computer

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A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.