1. Execute all the templates shown in video.

Ceate a file main.tf and write the script and execute

A screenshot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

Uswe Lifecyle rules:

1.create\_before\_destroy =true

A screen shot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

2.prevent\_destroy

A screenshot of a computer program

AI-generated content may be incorrect.

3.ignore\_changes

A screenshot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

Variables

Create a variable.tf file

Make changes in variable.tf

After changing use terraform apply

We will see the changes in pets.txt

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

terraform apply -var "filename=wild.txt" -var "content=i love lion"

A screen shot of a computer

AI-generated content may be incorrect.

1. Integrate terraform in jenkins using Terraform plugin.

**Install Terraform Plugin in Jenkins**

1. Log in to **Jenkins Dashboard**.
2. Navigate to **Manage Jenkins → Manage Plugins**.
3. Go to the **Available Plugins** tab, search for "Terraform Plugin".
4. Select it and click **Install Without Restart**.

A screenshot of a computer

AI-generated content may be incorrect.

Go to **Manage Jenkins → Global Tool Configuration**.

Scroll down to the **Terraform** section.

Click **Add Terraform** and provide:

* **Name:** "Terraform"
* **Installation Path:/USER/BIN/**

A screenshot of a chat

AI-generated content may be incorrect.

Create a declaritve pipeline

 Go to **Jenkins Dashboard → New Item**.

 Select **Pipeline**, provide a name (e.g., "Terraform\_Deployment"), and click **OK**.

A screenshot of a chat

AI-generated content may be incorrect.

Create a pets.txt file

resource "local\_file" "my\_text\_file" {  
  filename = "pets.txt"  
  content = "I love my dog"  
}output "local\_file\_path" {  
  value = [local\_file.my](http://local_file.my/" \t "_blank)\_text\_file.filename  
  description = "The path to the local file"  
}

Create a Jenkins file in repo and write declarative scrit

pipeline {

agent any // Runs on any available agent; specify a label if necessary

tools {

terraform 'terraform' // Ensure Terraform is configured under "Manage Jenkins > Global Tool Configuration"

}

stages {

stage('Checkout Code') {

steps {

git branch: 'main', credentialsId: 'terraform-token', url: 'https://github.com/nithinreddy8811/terraform-demo.git'

}

}

stage('Terraform Init') {

steps {

sh 'terraform init'

}

}

stage('Terraform Plan') {

steps {

sh 'terraform plan -out=tfplan'

}

}

stage('Terraform Apply') {

steps {

input message: 'Proceed with Terraform Apply?', ok: 'Apply'

sh 'terraform apply tfplan'

}

}

stage('Verify File Creation') {

steps {

sh 'ls -l $WORKSPACE/pets.txt || echo "File not found!"'

sh 'cat $WORKSPACE/pets.txt || echo "No content!"'

}

}

}

}

A screenshot of a computer

AI-generated content may be incorrect.

Then press build now

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.