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## **Prerequisites:**

Install Terraform & AWS CLI

## Steps:

- 1) Create an IAM user with appropriate permissions to launch EC2 instances and other resources.
  - Configure the AWS CLI with your AWS credentials.
- 2) Write Terraform code:
  - Create a Terraform project directory.
  - Create a file named "main.tf" in the project directory.
- 3) Write Terraform code to launch an EC2 instance with an Apache web server installed.
  - Initialize Terraform:
  - Open a terminal or command prompt.
  - Navigate to the Terraform project directory.
  - Run the command terraform init to initialize the Terraform working directory.
- 4) Launch the EC2 instance:
  - Run the command terraform apply to launch the EC2 instance.
  - Review the changes that will be made, and enter "yes" to confirm.
  - Terraform will provision the EC2 instance and install the Apache web server.
- 5) Access the Apache web server:

- After the EC2 instance has been launched, retrieve its public IP address using the AWS Console or the AWS CLI.
- Open a web browser and navigate to the IP address. You should see the default Apache web page.













