

Step 1: Install Terraform

Download and install Terraform from: <https://www.terraform.io/downloads>

Step 2: Create a Project Directory

```
mkdir terraform-ec2-instance
```

```
cd terraform-ec2-instance
```

Step 3: Create a Terraform Configuration File (main.tf)

Paste the following code:

```
terraform {  
  required_providers {  
    aws = {  
      source = "hashicorp/aws"  
      version = ">= 4.0"  
    }  
  }  
}
```

```
  required_version = ">= 1.0"  
}
```

```
provider "aws" {  
  region = "ap-south-1"  
}
```

```
resource "aws_instance" "example" {  
  ami          = "ami-00bb6a80f"  
  instance_type = "t2.micro"  
  tags = {
```

```
    Name = "ExampleAppServerInstance"  
  }  
}
```

Step 4: Initialize Terraform

```
terraform init
```

Step 5: Review the Plan

```
terraform plan
```

Step 6: Apply the Configuration

```
terraform apply (type 'yes' to confirm)
```

Step 7: Check AWS Console

Verify the instance in ap-south-1 region

Step 8: Destroy the Instance (Optional)

```
terraform destroy
```