Scenario : 1

Step 1 :

Create Provider.tf this will help us to identify the resource which is going to create in the Cloud providers ( ex AWS , Azure, Google cloud)

Step 2 : Create the backend.tf that will help you to store the terraform state file.

Step 3 : Create the index.html file and copy the content and paste inside the index.html

Step 4 : Upload the index.html into AWS s3 bucket .

Step 5 : Create the VPC with public subnet and private subnet.

Step 6 : Create the Autoscaling launch configuration with EC2 fleet.

Step 7 : Create the Internet gateway, NAT gateway, eip, ALB .

Step 8 : Create intit.sh script that will install the nginx server at the boot time and copy content from S3 bucket to nginx server path.

Step 9 : Create IAM policy that will have permission to copy files from S3 bucket to ec2 nginx servers.

Assessment Output

Created the S3 bucket and copied the index.html to AWS S3 bucket.

Graphical user interface, text, application, email

Description automatically generated

Created the VPC, Security group, NAT gateway, Internet gateway, EIP, Routing tables.

Elastic IP :

Graphical user interface, text, application

Description automatically generated

EC2 Instances :

Graphical user interface, text, application

Description automatically generated

Security Group :

Graphical user interface, text, application

Description automatically generated

Load balancers:

Graphical user interface, text, email

Description automatically generated

Target Group :

Graphical user interface, text, application

Description automatically generated

Autoscaling Group:

Graphical user interface, text, application, email

Description automatically generated

Internet Gateway :

Graphical user interface, text, application, chat or text message

Description automatically generated

Route tables :

Graphical user interface, text, application

Description automatically generated

Nat gateway :

Table

Description automatically generated with medium confidence

Output :

Graphical user interface, application

Description automatically generated