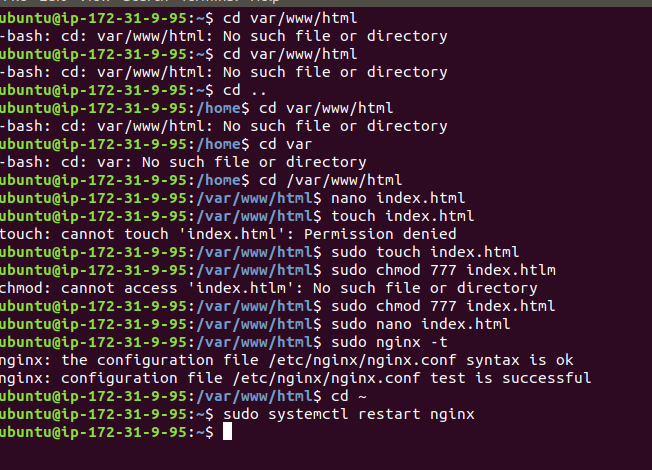
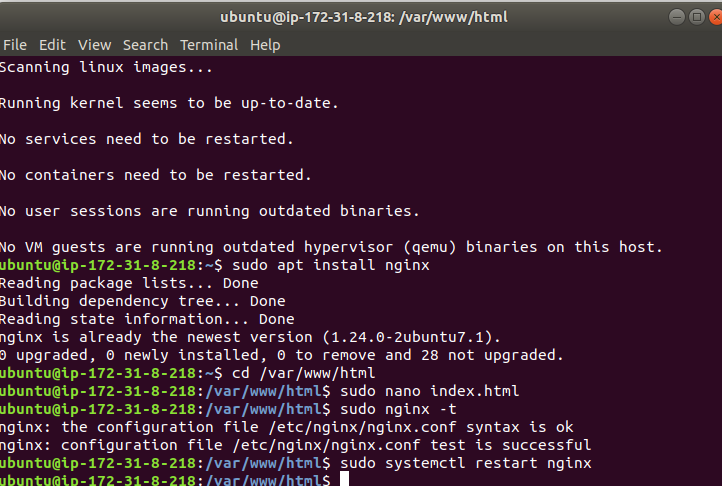
**1.Task: Launch two ec2-instances and connect it to a application load balancer, where the output traffic from the server must be an load balancer IP address**

Created 2 EC2 instance in same subnet:

1.Added index.html for instance 1:



2.Added index.html for instance 2



3.Created a target group and added a registered targets

A screenshot of a computer

Description automatically generated

4.Created a LB and Configured to Target Group:

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5.Accessing Load Balancer end point:

Traffic goes to instance 2:

A close up of a text

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Traffic Goes to instance 1:

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Screenshots not attached for Creating EC2 instance and allowing port 8080 for traffic in both Load Balancer and EC2 instance Since without adding We cannot access load balancer Ip Address.

2**. Task: Create a S3 bucket, with no public access and upload files to the bucket & view the logs using CloudWatch for the uploaded files.**

**S3 Bucket Creation:**

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Created a role to access S3 bucket and Cloud Watch

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Created a Cloud trail and attached the logs to bucket

A screenshot of a computer

Description automatically generated

Logs started storing into S3 bucket :

A screenshot of a computer

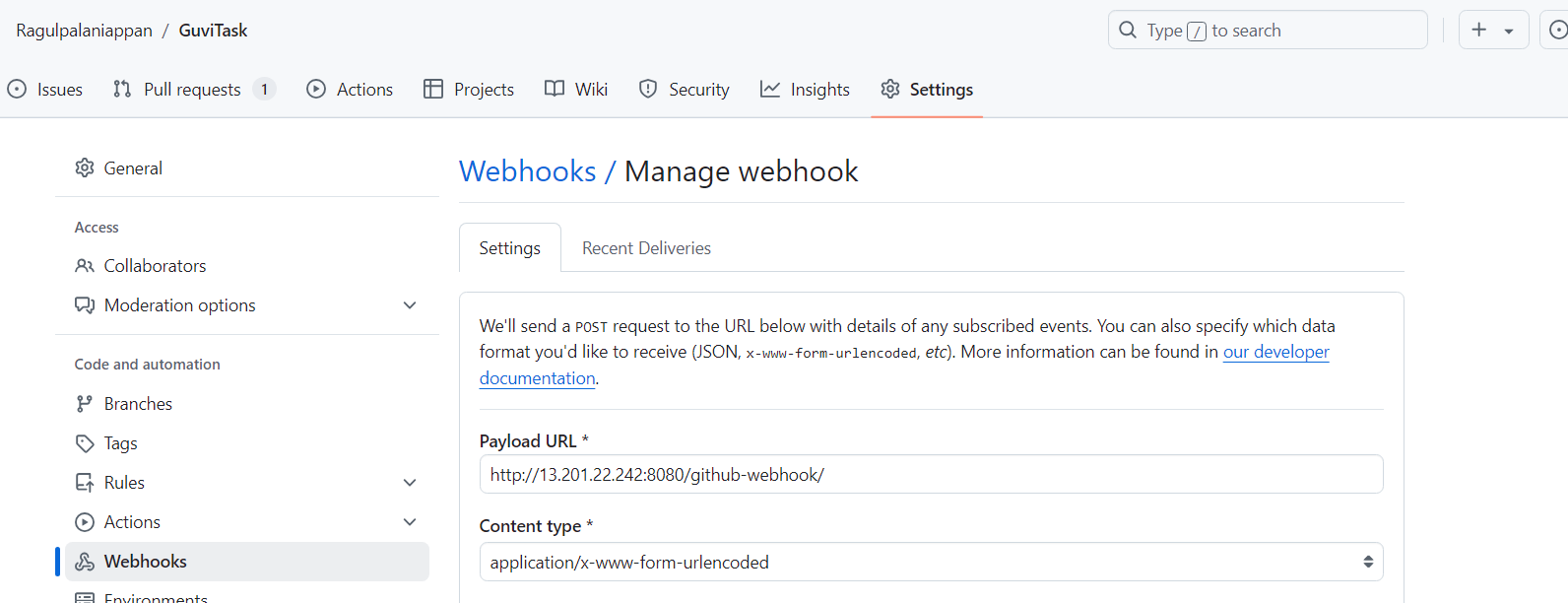
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A screenshot of a computer

Description automatically generated

**3. Create a simple script file and push it to repo. Create a project in Jenkins connected to your GitHub repository. When a commit is made to your repo, automatically build must get triggered from Jenkins and the output must be shared to me via email.**

1.Added a webhook setup in repo



2. Added a execute.sh into Main Folder

A screenshot of a computer

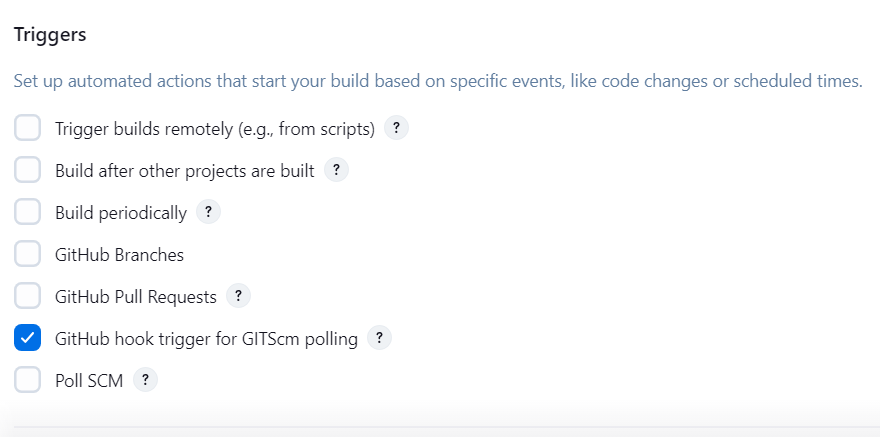
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3.Added Email Notification to job.

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Description automatically generated

4.Added Git Webhook as build trigger:



5.New Code has merged into Repo:

A screenshot of a chat

Description automatically generated

6.Jenkins Job triggered automatically

A screenshot of a computer

Description automatically generated

7.Email Notification Arrived

A screenshot of a computer

Description automatically generated

8.Added Email in Jenkins >System > Configure before push

A screenshot of a computer

Description automatically generated