**Screenshot file**

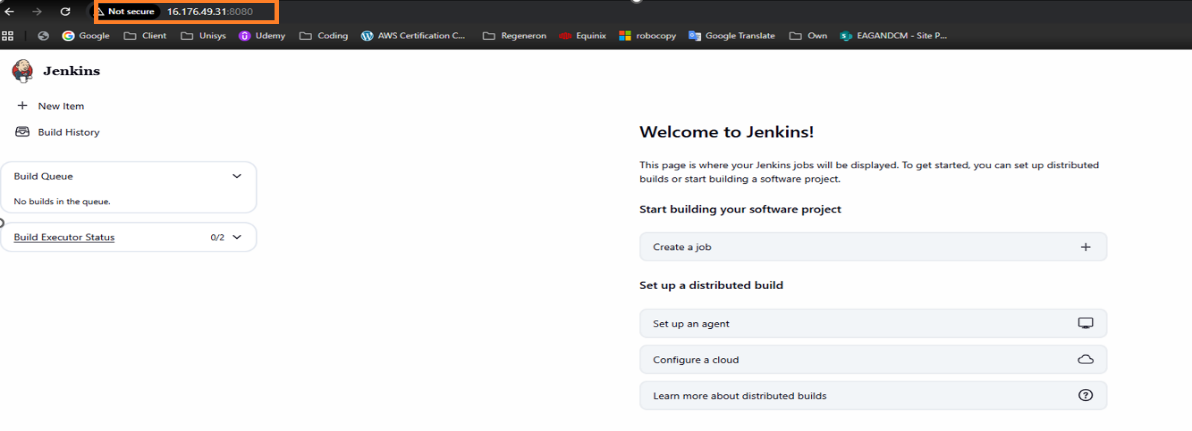
**Step 1: Identify Jenkins Data to Backup**

1.1 Created EC2 instance

A screenshot of a computer

AI-generated content may be incorrect.

1.2 Installed Jenkins and able to open in the browser using port 8080.



1.3 files and directories located in /var/lib/jenkins

A screen shot of a computer

AI-generated content may be incorrect.

**Step 2: Create an S3 Bucket for Backups**

* 1. Log in to AWS Management Console and create a bucket.

A screenshot of a computer

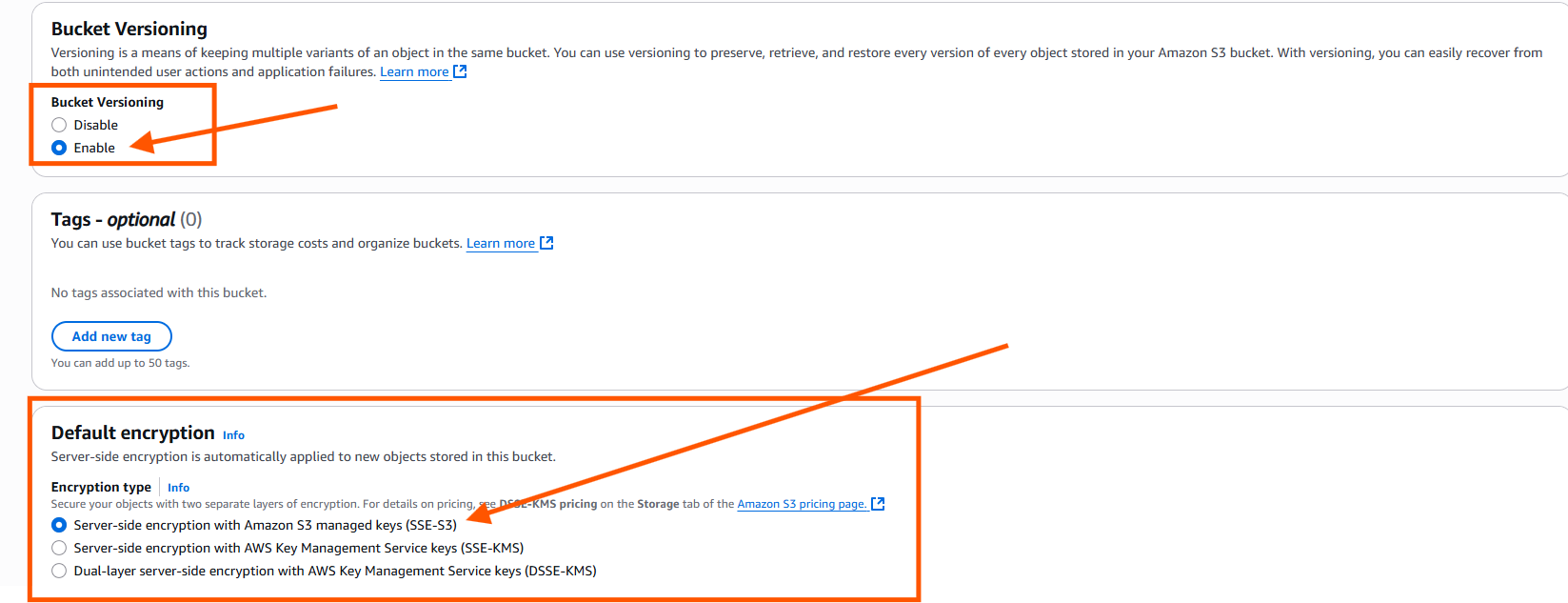
AI-generated content may be incorrect.

2.2 provide the s3 bucket name.

A screenshot of a computer

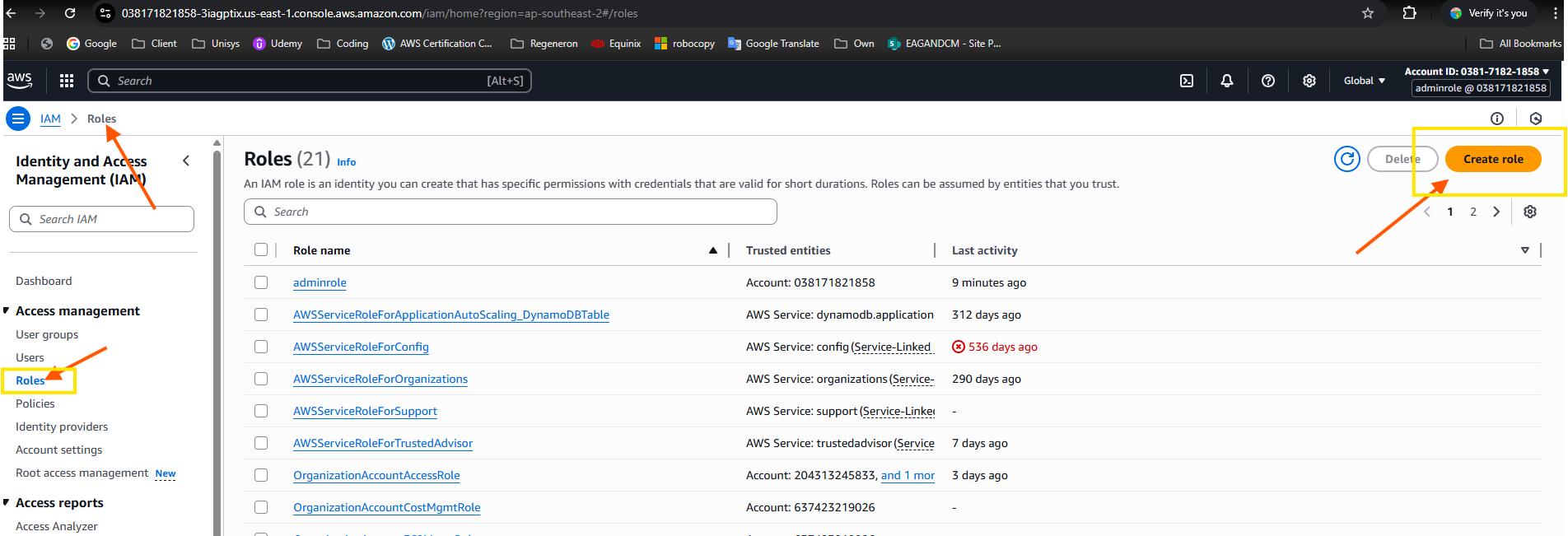
AI-generated content may be incorrect.

2.3 enable versioning and encryption

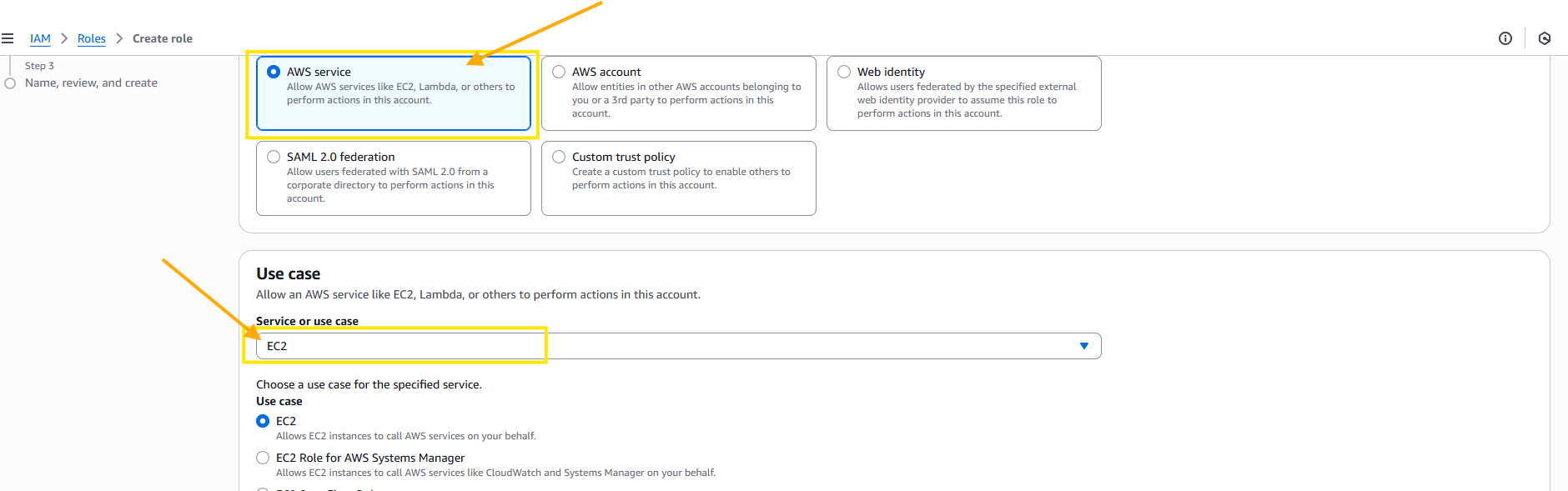


**Step 3: Configure IAM Role for Jenkins Backup**

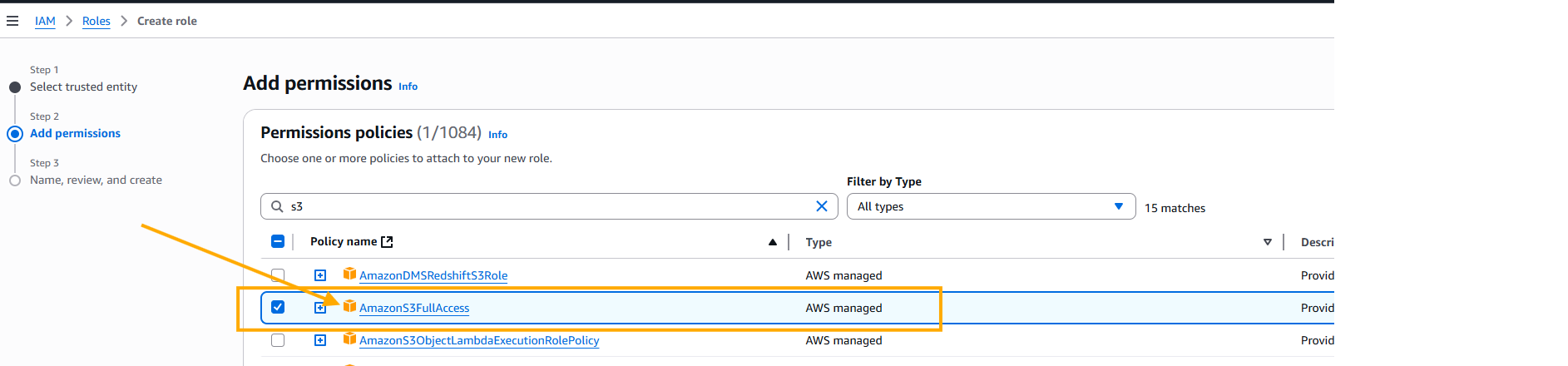
3.1Go to IAM → Roles → Create.



3.2 Select AWS service and select EC2



3.3 Attach AmazonS3fullaccess permission to EC2 service.



3.4 Enter a role name

A blue and orange lines

AI-generated content may be incorrect.

3.5 Role “Jenkinsbackups” created below

A screenshot of a computer

AI-generated content may be incorrect.

3.6 Add the IAM role “Jenkinsbacks” with the EC2 instance.

A screenshot of a computer

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**Step 4: Install AWS CLI on Jenkins Server**

4.1 Update the existing packages on Jenkins server. A screenshot of a computer

AI-generated content may be incorrect.

4.2 Installed AWS CLI on the Jenkins server



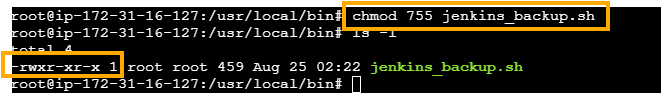
**Step 5: Create Backup Script**

5.1 create a bash shell script to configure backup

A screenshot of a computer screen

AI-generated content may be incorrect.

5.2 change the permission to the bash shell script file as executable.



**Step 6: Automate Backups via Cron**

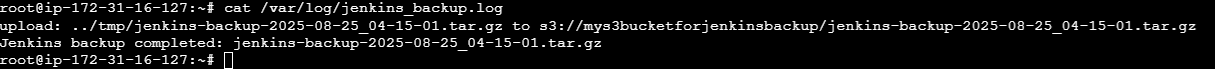
6.1 open the crantab and schedule the backup at 04:15AM UTC

A screenshot of a computer program

AI-generated content may be incorrect.

**Step 7: Test Backup Script**

7.1 Check the backup completed as per schedule as per log



7.2 check the log file in S3 bucket

A screenshot of a computer

AI-generated content may be incorrect.

**Step 8: Restore Jenkins from S3**

* 1. Launch Jenkins server and install base Jenkins.

A screenshot of a computer

AI-generated content may be incorrect.

* 1. Make sure that AWS cli installed and able to see the S3 bucket.



* 1. Stop the Jenkins service to copy the backup file.

A black screen with white text

AI-generated content may be incorrect.

8.4 make sure that Jenkins service is stopped.

A computer screen with text

AI-generated content may be incorrect.

8.5 restore the backup file from the S3 bucket and start the Jenkins service.

A computer screen with a green line and white text

AI-generated content may be incorrect.