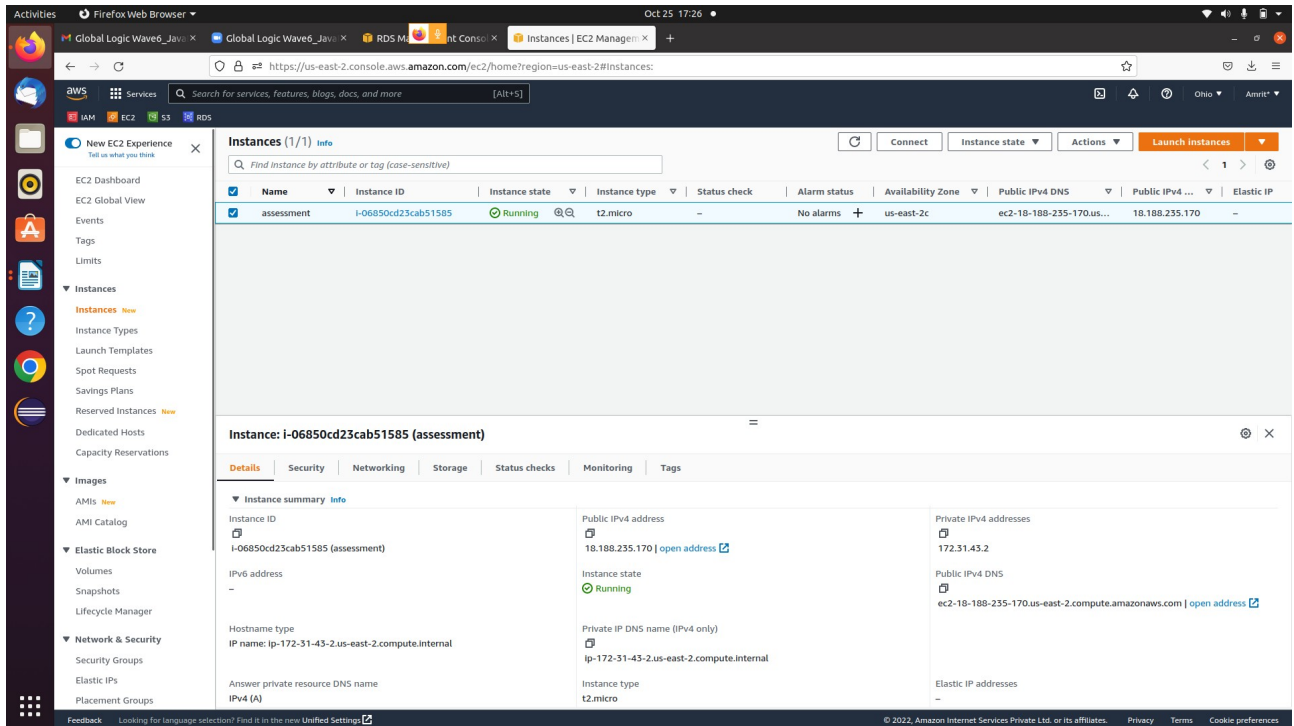


AWS global logic training Octo-2022

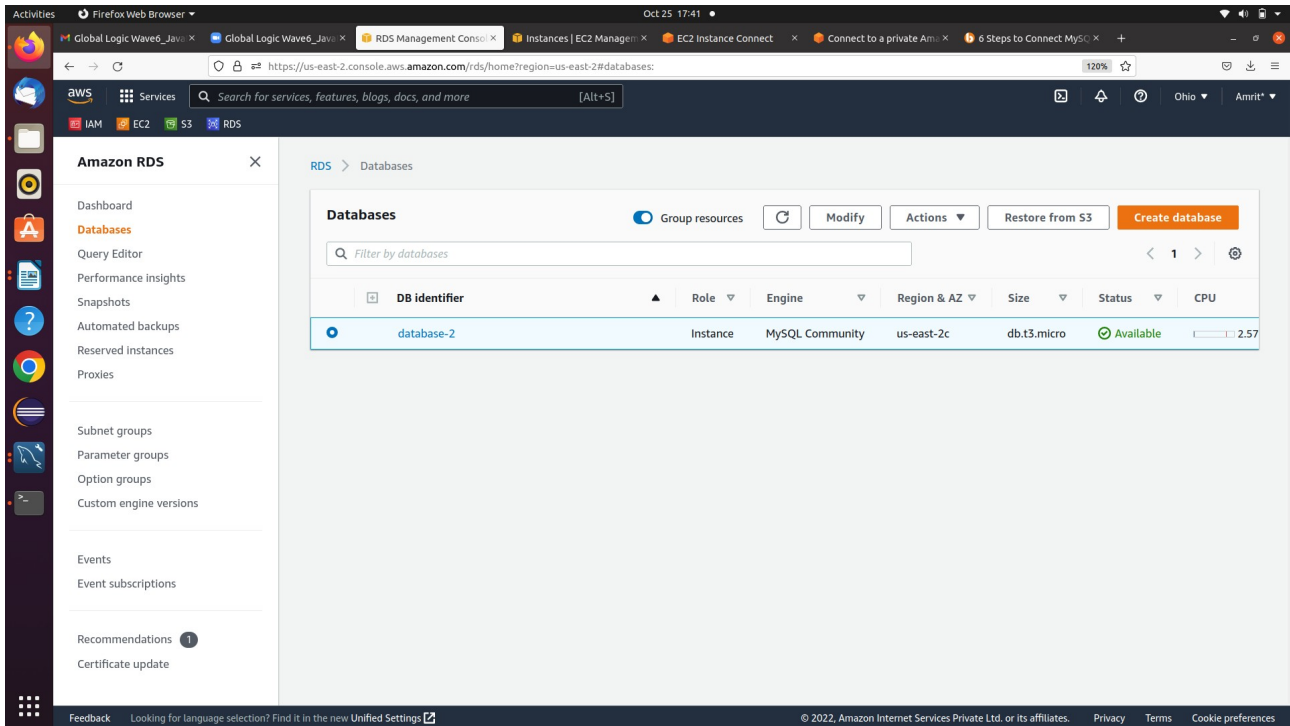
Assessment:1

1]Create Linux EC-2 instance on AWS ,Configure RDS service on AWS cloud access RDS –Database using Ec2-instance .

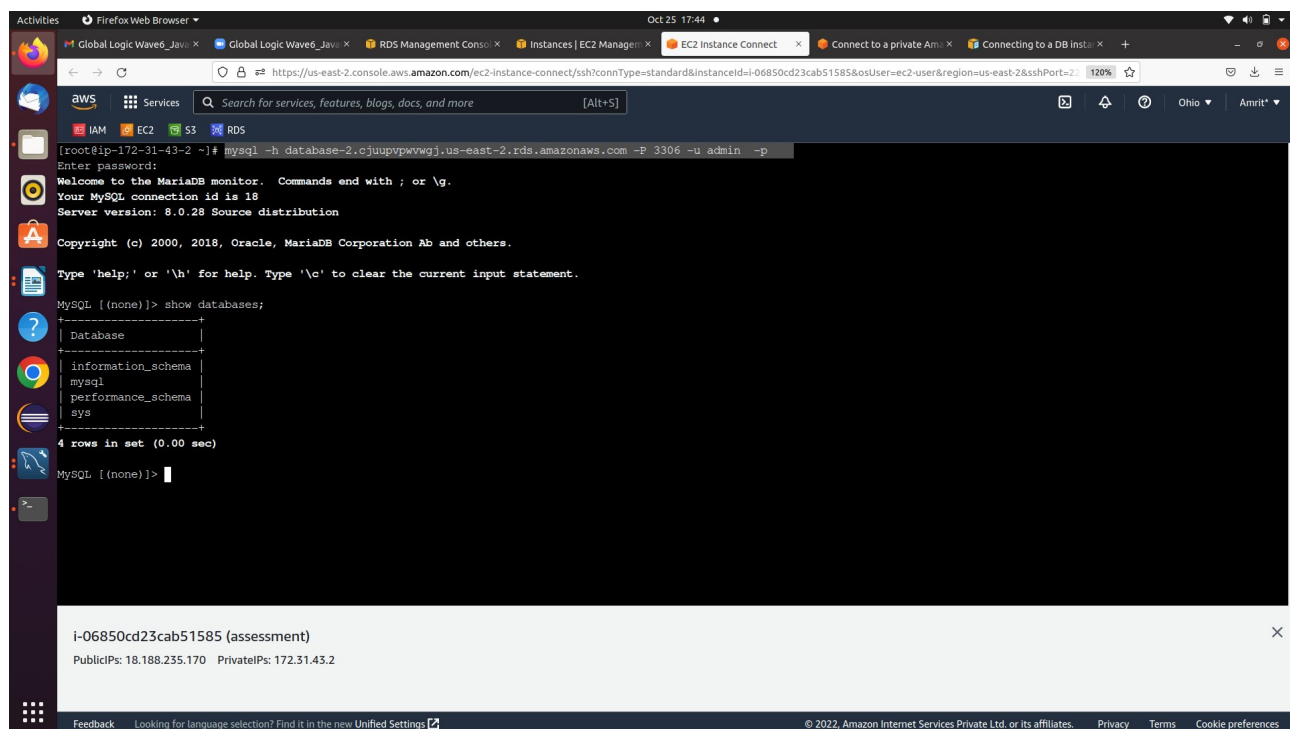
Ec2 instacnce launched successfully.



Rds instance launched successfully.



Accessing the Rds through the Ec2 Amazon Linux Instance

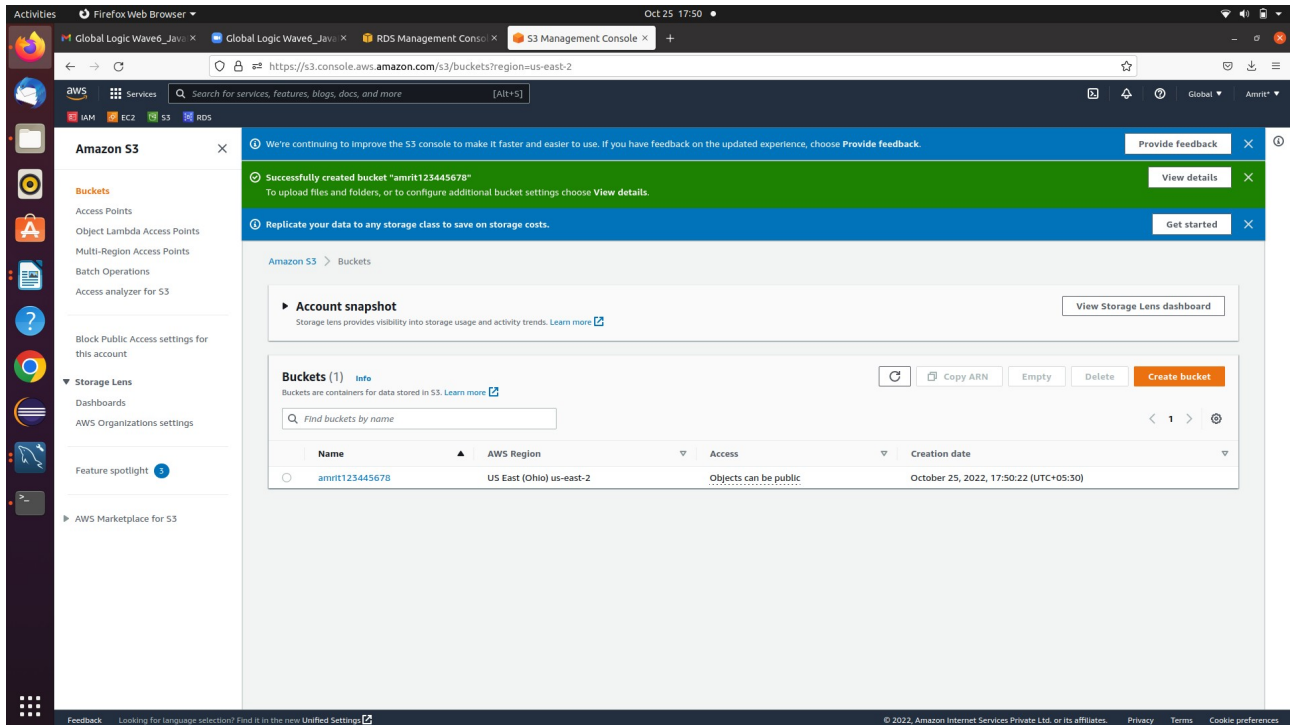


2]Create S3 bucket on AWS cloud

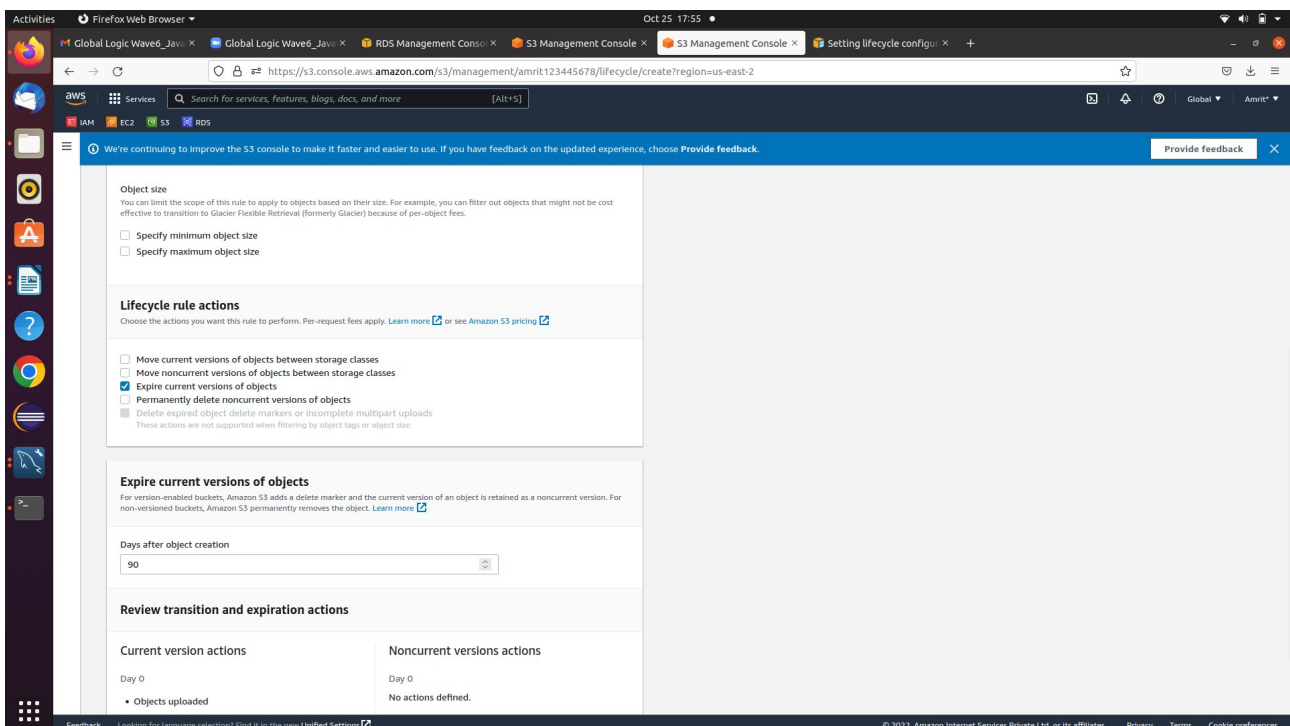
I]Set lifecycle rule of 90 –days to declare your data as non-current data

Ii]Set replication rule for this bucket replicate your data in another bucket

Created S3 bucket on AWS cloud



I]Setted the lifecycle rule of 90 days



Added the Lifecycle Rule of 90

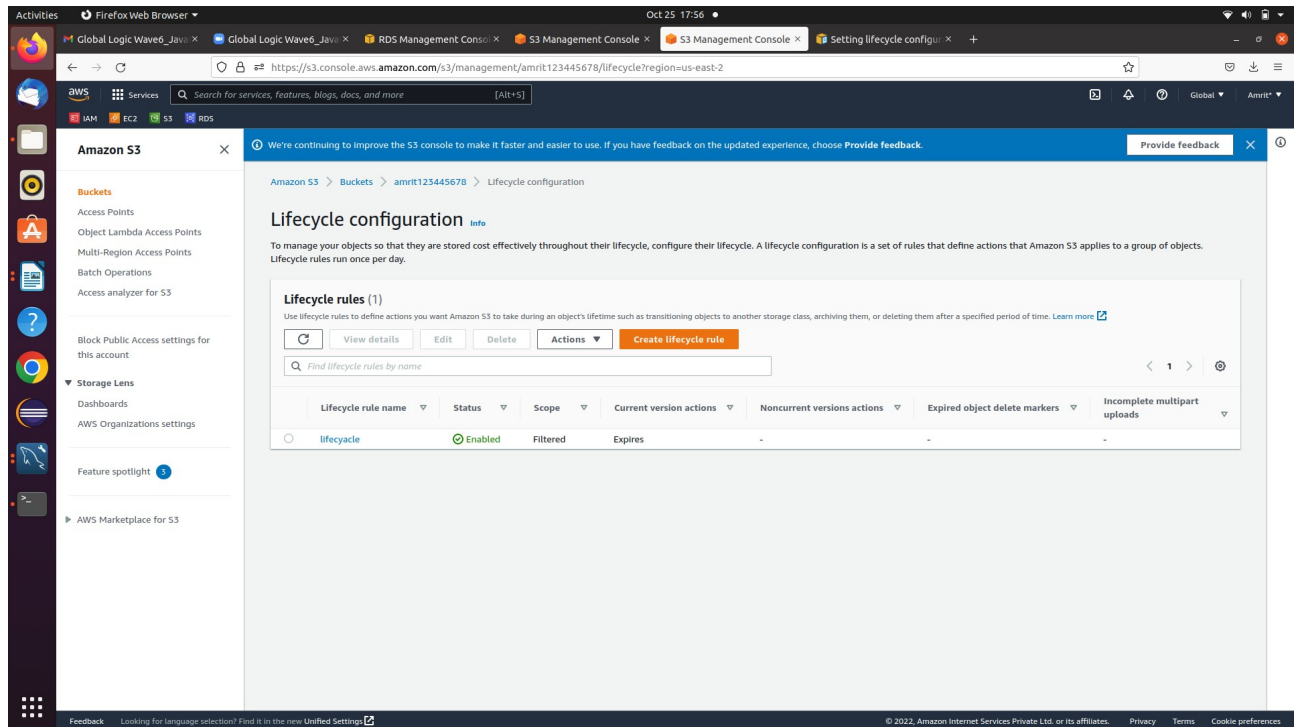
The screenshot shows the Amazon S3 console's 'Lifecycle configuration' page. The left sidebar contains navigation links for Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area is titled 'Lifecycle configuration' and includes a description: 'To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.' Below this, there is a section for 'Lifecycle rules (1)' with a search bar and a table of rules. The table has columns for Lifecycle rule name, Status, Scope, Current version actions, Noncurrent versions actions, Expired object delete markers, and Incomplete multipart uploads. A single rule named 'lifecycle' is listed with a status of 'Enabled' and a scope of 'Filtered'. The rule's current version action is 'Expires'.

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
lifecycle	Enabled	Filtered	Expires	-	-	-

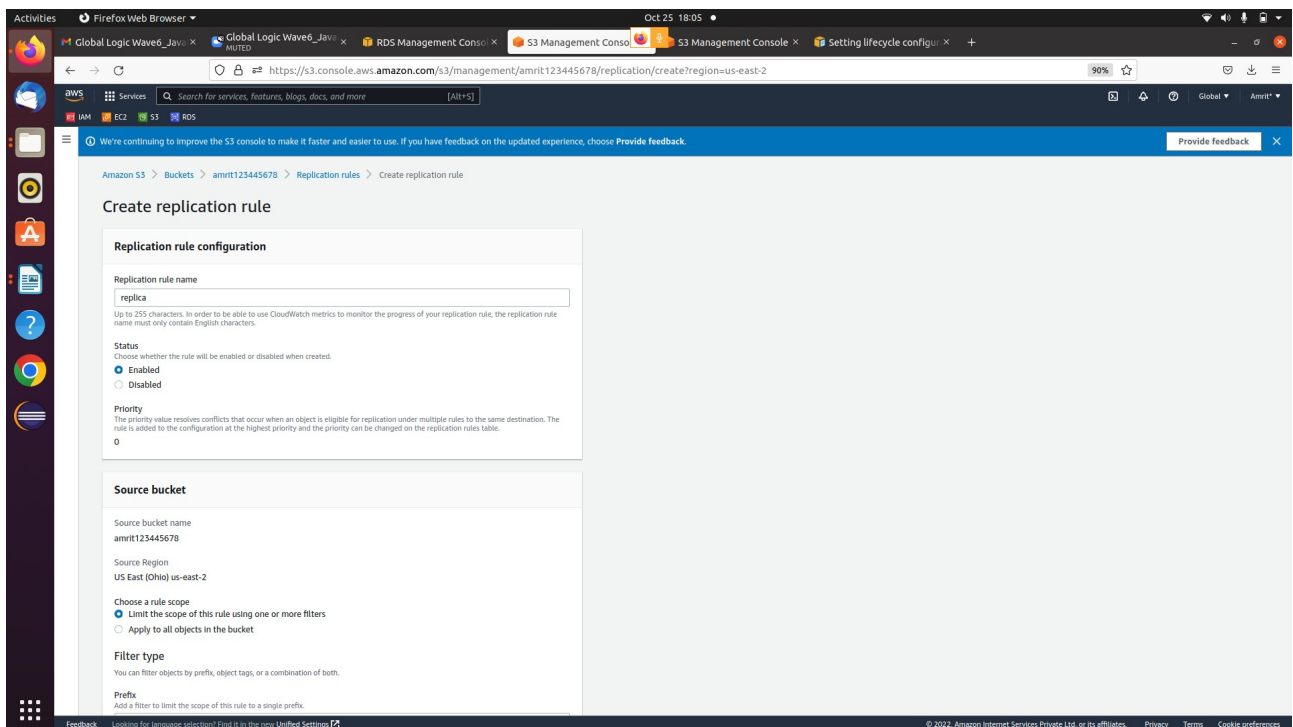
The screenshot shows the Amazon S3 console's 'Assessment/' page. The left sidebar is identical to the previous screenshot. The main content area is titled 'Assessment/' and includes a 'Copy S3 URI' button. Below this, there is a section for 'Objects (1)' with a search bar and a table of objects. The table has columns for Name, Type, Last modified, Size, and Storage class. A single object named 'amrit.docx' is listed with a type of 'docx', a last modified date of 'October 25, 2022, 18:00:33 (UTC+05:30)', a size of '4.1 KB', and a storage class of 'Standard'.

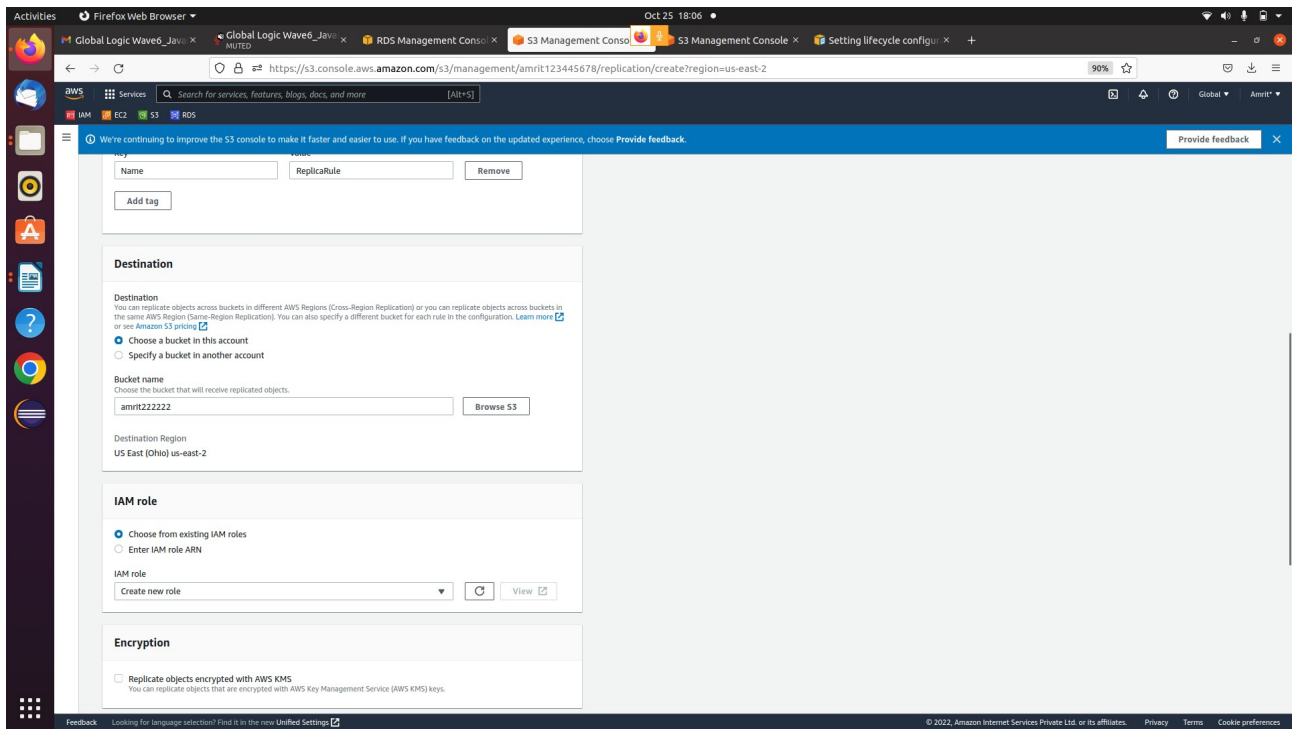
Name	Type	Last modified	Size	Storage class
amrit.docx	docx	October 25, 2022, 18:00:33 (UTC+05:30)	4.1 KB	Standard

ii]Set replication rule for this bucket replicate your data in another bucket



Adding the replication rule





Replication done Successfully

3) Configure Topic on SNS service create subscribers and publish one message to the subscribers.

SNS created Successfully

The screenshot shows the Amazon SNS console in a Firefox browser. A green notification banner at the top states: "Topic Assessment created successfully. You can create subscriptions and send messages to them from this topic." The left sidebar shows the navigation menu with "Topics" selected. The main content area displays the "Assessment" topic details. The "Details" section includes:

Field	Value
Name	Assessment
Display name	BeonTime
ARN	arn:aws:sns-east-2:559633442386:Assessment
Topic owner	559633442386
Type	Standard

Below the details, there are tabs for "Subscriptions", "Access policy", "Data protection policy - preview", "Delivery retry policy (HTTP/S)", "Delivery status logging", "Encryption", and "Tags". The "Subscriptions" tab is active, showing a list of subscriptions (0) with a "Create subscription" button.

publish one message to the subscribers.

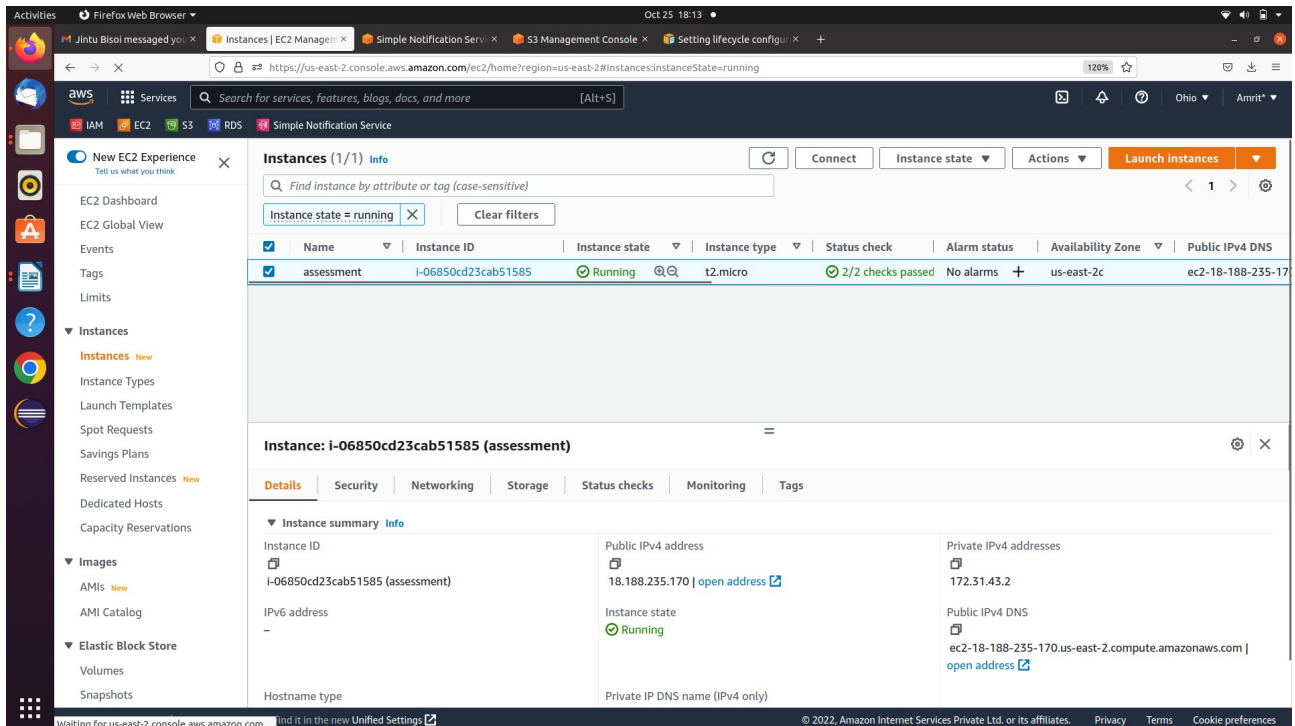
The screenshot shows the Amazon SNS console with a green notification banner stating: "Subscription to Assessment created successfully. The ARN of the subscription is arn:aws:sns-east-2:559633442386:Assessment:b61a5999-5aaf-4c4d-9d00-e9918c8e5e41." The left sidebar shows the navigation menu with "Subscriptions" selected. The main content area displays the details for the subscription "b61a5999-5aaf-4c4d-9d00-e9918c8e5e41". The "Details" section includes:

Field	Value
ARN	arn:aws:sns-east-2:559633442386:Assessment:b61a5999-5aaf-4c4d-9d00-e9918c8e5e41
Status	Pending confirmation
Endpoint	http://www.globallogic.com
Protocol	HTTP
Topic	Assessment
Subscription Principal	arn:aws:iam::559633442386:root
Raw message delivery	Disabled

Below the details, there are tabs for "Subscription filter policy", "Redrive policy (dead-letter queue)", and "Delivery retry policy (HTTP/S)". The "Subscription filter policy" tab is active, showing a link to "info".

4] Establish connectivity between your system and AWS create repository on ECR and push your image to the AWS ECR repository

EC2 instance Launched



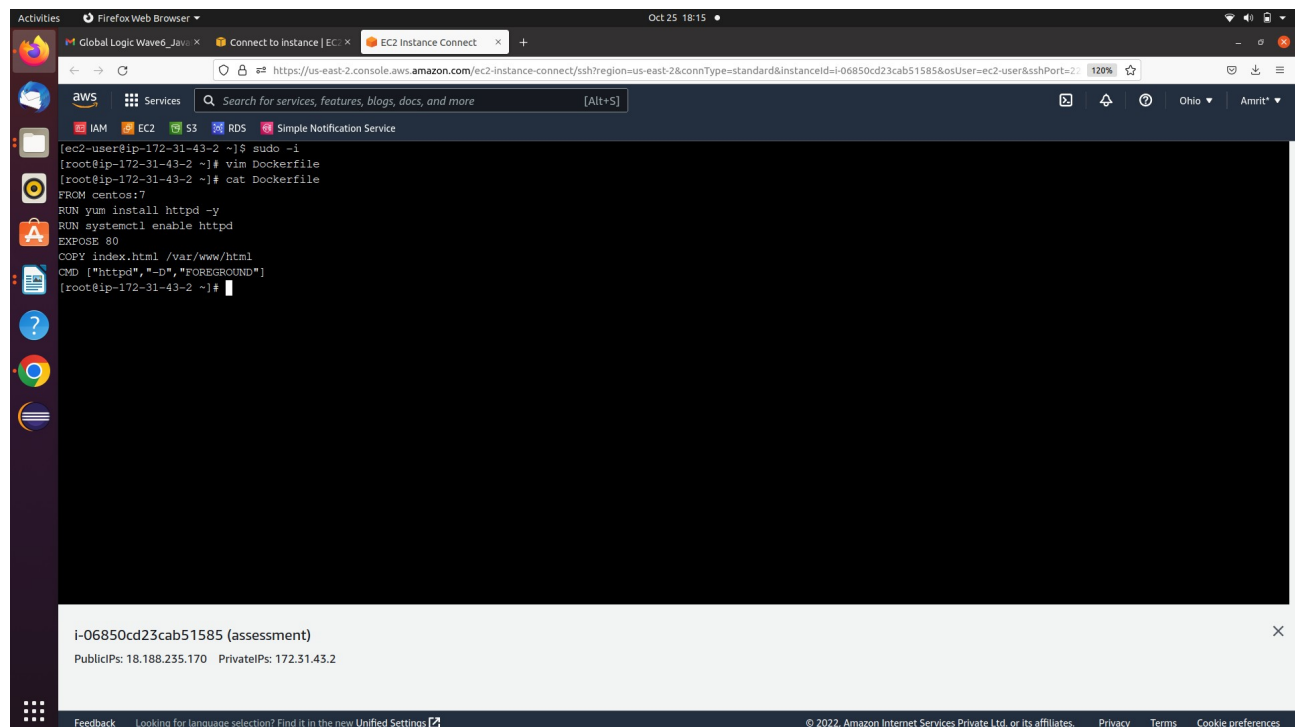
The screenshot displays the AWS Management Console for the EC2 service. The left sidebar shows the navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area shows the 'Instances (1/1) Info' page. A table lists the instance 'assessment' with ID 'i-06850cd23cab51585', state 'Running', type 't2.micro', and status '2/2 checks passed'. Below the table, the 'Instance: i-06850cd23cab51585 (assessment)' details are shown, including the public IP address '18.188.235.170' and private IP address '172.31.43.2'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
assessment	i-06850cd23cab51585	Running	t2.micro	2/2 checks passed	No alarms	us-east-2c	ec2-18-188-235-170

Instance: i-06850cd23cab51585 (assessment)

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary Info Instance ID: i-06850cd23cab51585 (assessment) IPv6 address: - Hostname type: -	Public IPv4 address: 18.188.235.170 open address Instance state: Running Private IP DNS name (IPv4 only): -	Private IPv4 addresses: 172.31.43.2 Public IPv4 DNS: ec2-18-188-235-170.us-east-2.compute.amazonaws.com open address				

creating docker image using Dockerfile

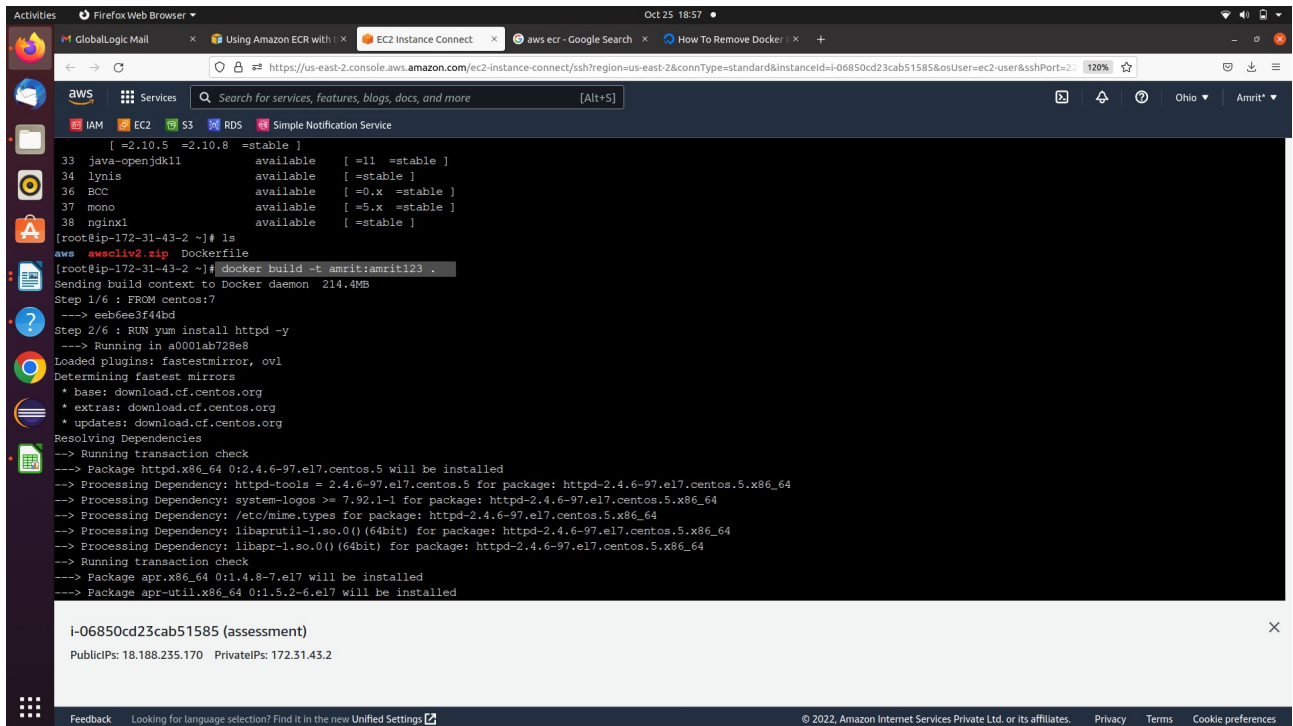


The screenshot displays the AWS Management Console for the EC2 service. The left sidebar shows the navigation menu with options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area shows the 'Instances (1/1) Info' page. A table lists the instance 'assessment' with ID 'i-06850cd23cab51585', state 'Running', type 't2.micro', and status '2/2 checks passed'. Below the table, the 'Instance: i-06850cd23cab51585 (assessment)' details are shown, including the public IP address '18.188.235.170' and private IP address '172.31.43.2'.

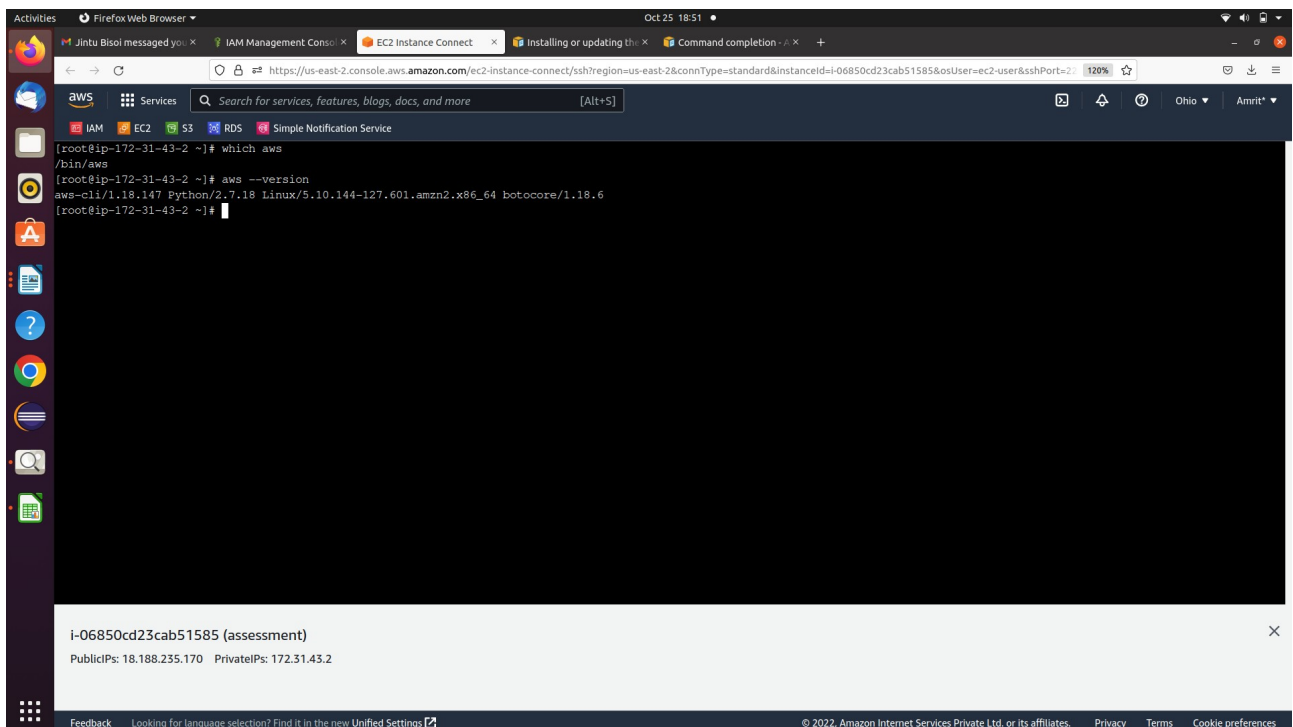
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
assessment	i-06850cd23cab51585	Running	t2.micro	2/2 checks passed	No alarms	us-east-2c	ec2-18-188-235-170

Instance: i-06850cd23cab51585 (assessment)

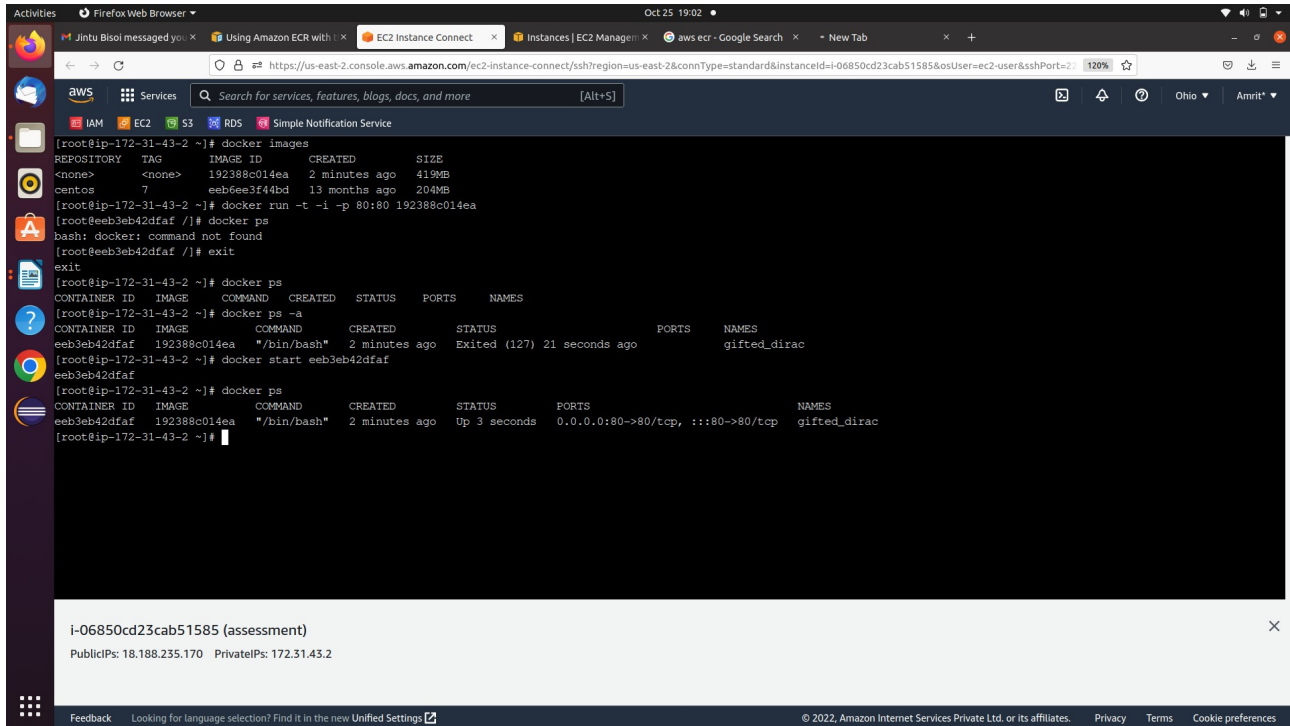
Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary Info Instance ID: i-06850cd23cab51585 (assessment) IPv6 address: - Hostname type: -	Public IPv4 address: 18.188.235.170 open address Instance state: Running Private IP DNS name (IPv4 only): -	Private IPv4 addresses: 172.31.43.2 Public IPv4 DNS: ec2-18-188-235-170.us-east-2.compute.amazonaws.com open address				



AWS CLI Installed Successfully



container created successfully



The screenshot shows a terminal window with the following commands and output:

```
[root@ip-172-31-43-2 ~]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
<none>        <none>    192388c014ea   2 minutes ago  419MB
centos        7         eeb6ee3f44bd   13 months ago  204MB

[root@ip-172-31-43-2 ~]# docker run -t -i -p 80:80 192388c014ea
[root@eeb3eb42dfaf /]# docker ps
bash: docker: command not found
[root@eeb3eb42dfaf /]# exit
exit
[root@ip-172-31-43-2 ~]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
[root@ip-172-31-43-2 ~]# docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
eeb3eb42dfaf   192388c014ea   "/bin/bash"   2 minutes ago   Exited (127) 21 seconds ago   gifted_dirac
[root@ip-172-31-43-2 ~]# docker start eeb3eb42dfaf
eeb3eb42dfaf
[root@ip-172-31-43-2 ~]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
eeb3eb42dfaf   192388c014ea   "/bin/bash"   2 minutes ago   Up 3 seconds   0.0.0.0:80->80/tcp, :::80->80/tcp   gifted_dirac
[root@ip-172-31-43-2 ~]#
```

The terminal toolbar on the left includes icons for Activities, Firefox Web Browser, Jintu BisoI, Using Amazon ECR, EC2 Instance Connect, Instances | EC2 Manager, aws ecr - Google Search, and a New Tab. The status bar at the bottom shows the instance ID i-06850cd23cab51585 (assessment), PublicIPs: 18.188.235.170, PrivateIPs: 172.31.43.2, and copyright information for Amazon Internet Services Private Ltd. or its affiliates.

