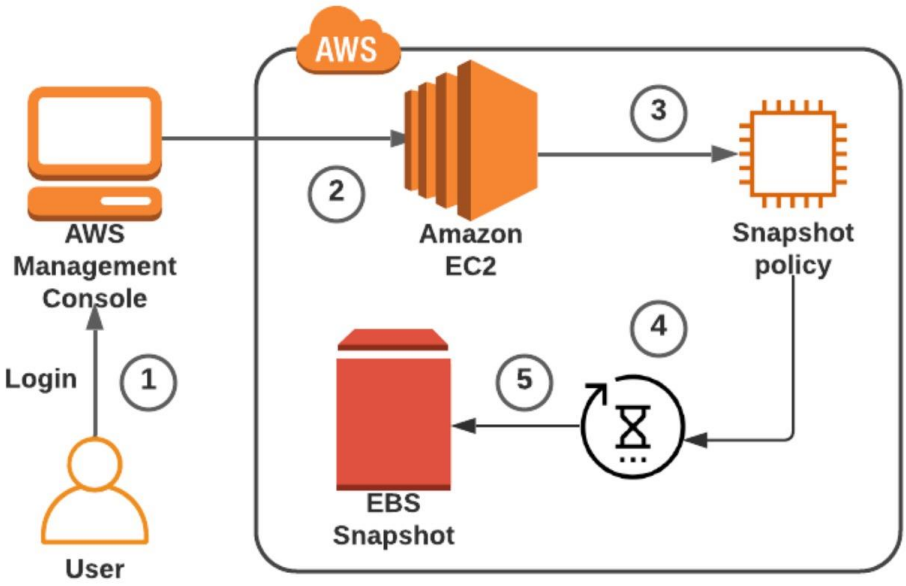
Overview:

You can leverage Amazon Data Lifecycle Manager to automate the process of creating, maintaining and removing EBS snapshots and EBS backed AMIs. Automating snapshot and AMI management offers benefits;

- Ensuring the protection of data by enforcing a regular backup schedule.
- Generating standardized AMIs that can be regularly refreshed.
- Retaining backups as required by auditors or internal compliance standards.
- Reducing storage costs, by deleting outdated backups.
- Establishing disaster recovery backup policies that back up data to accounts.

When combined with the monitoring capabilities of Amazon CloudWatch Events and AWS CloudTrail, Amazon Data Lifecycle Manager provides a backup solution, for Amazon EC2 instances and individual EBS volumes at no cost.



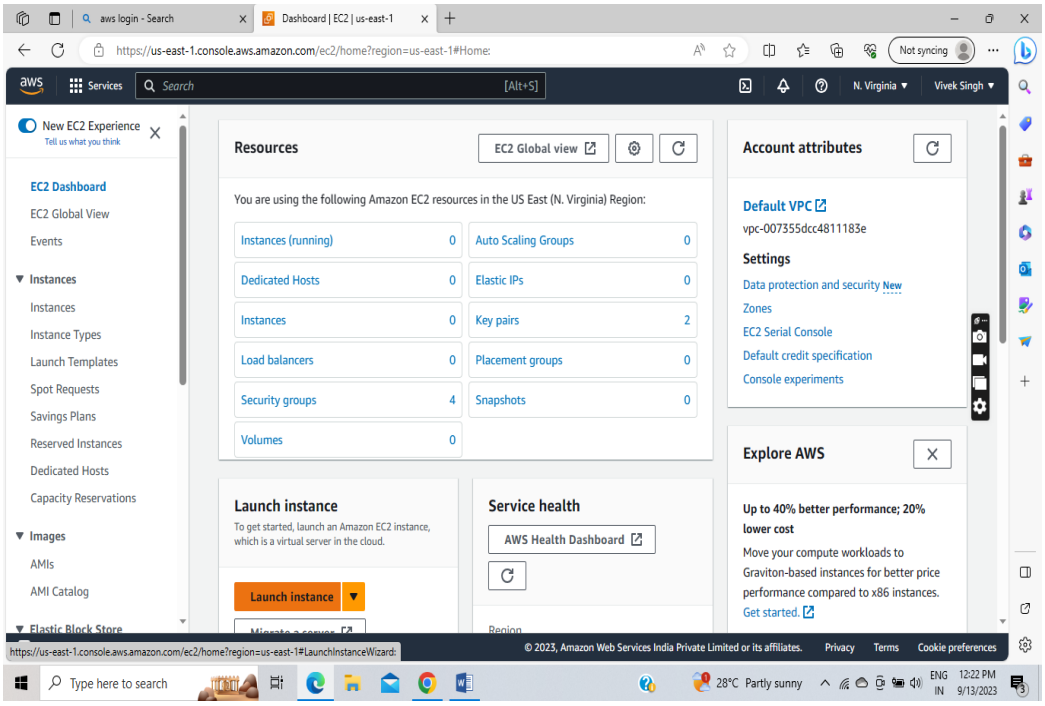
1. Launch the Lab
2. Launch an EC2 Instance
3. Create EBS Snapshot policy
4. Wait for the completion of 1 hour
5. Check the Automated EBS snapshot

Prerequisites:

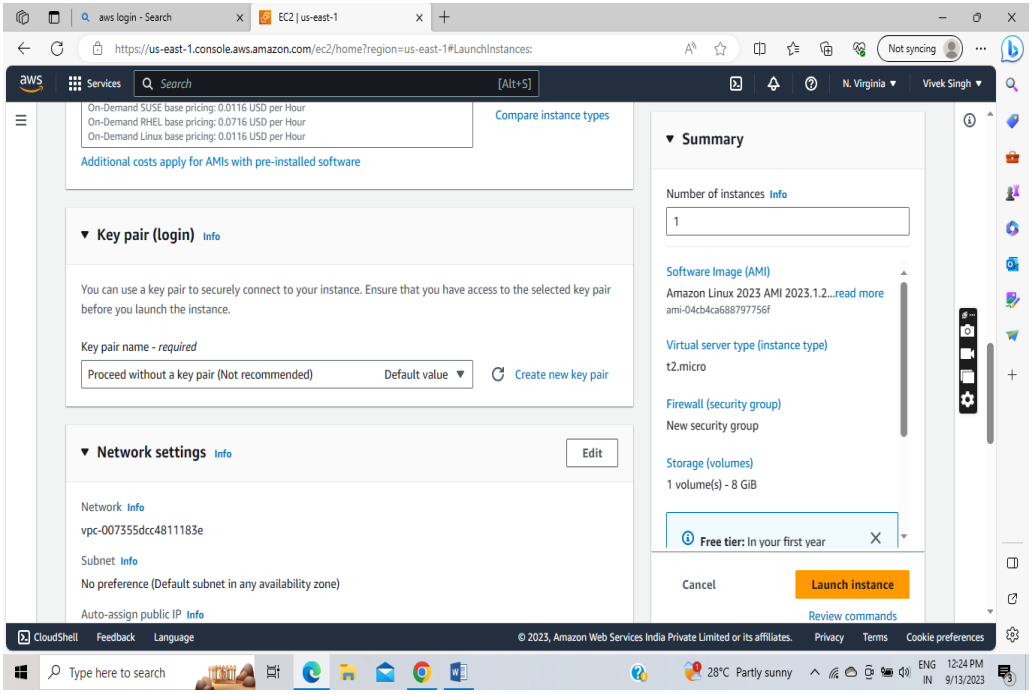
- AWS management console navigation.
- Amazon EC2 Instance.
- AWS Elastic Block Storage.
- Lifecycle Manager.

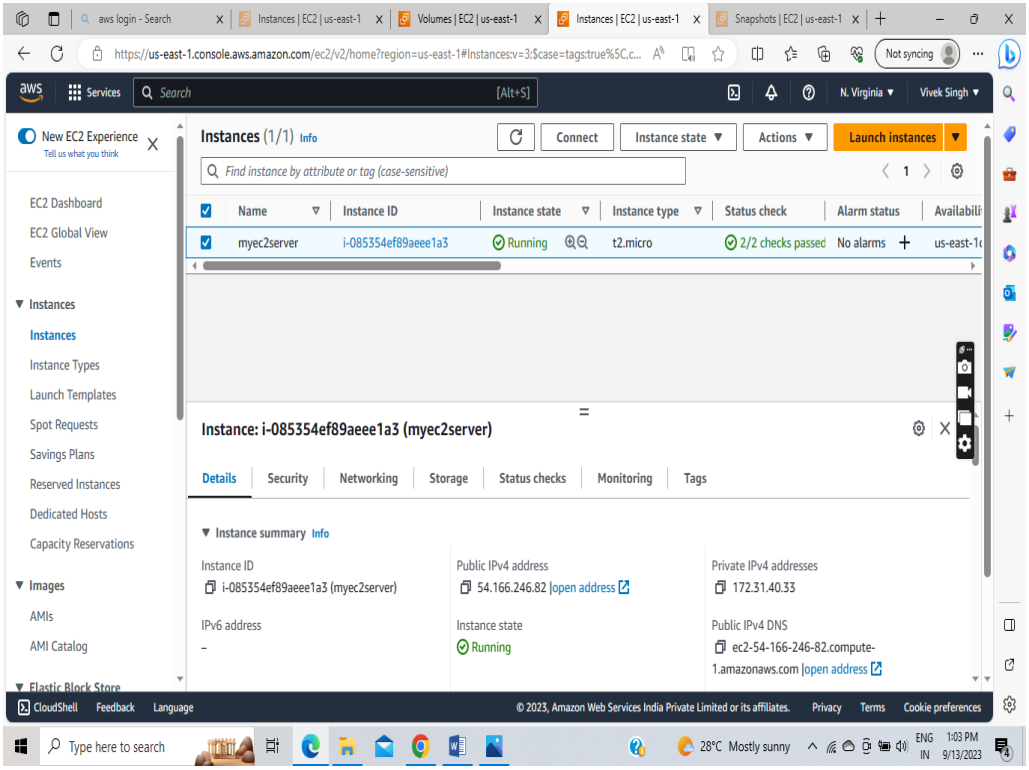
Steps:

- Launch an EC2 Instance by the name of : myec2server.

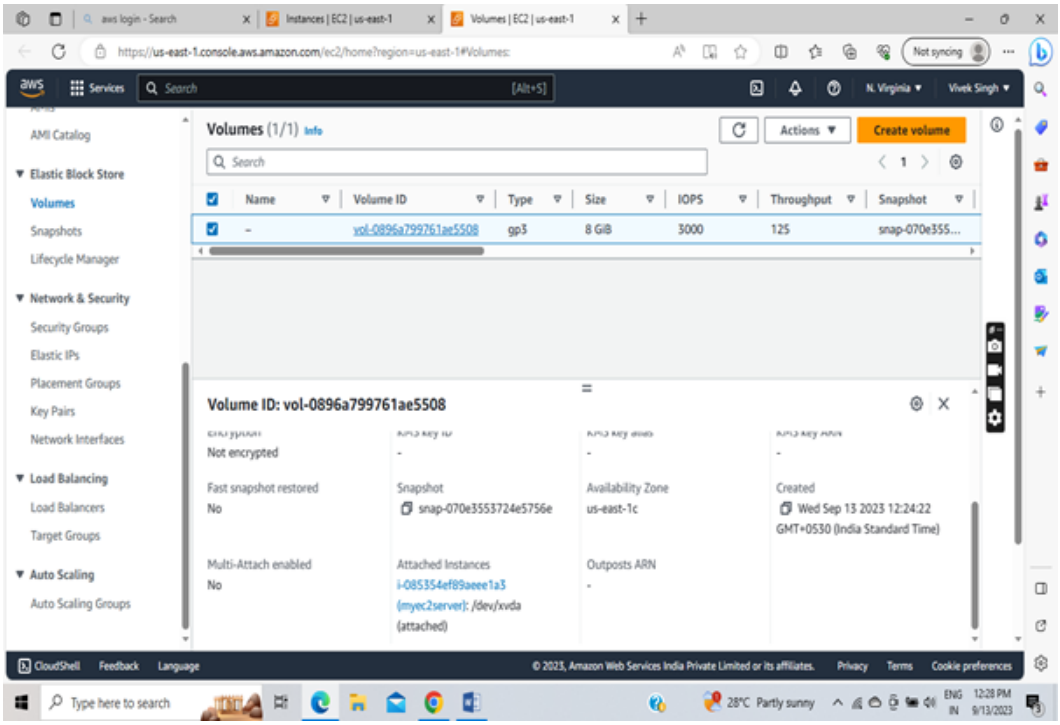


- Choose the OS Amazon Linux and t2. micro instance type, proceed without keypair.

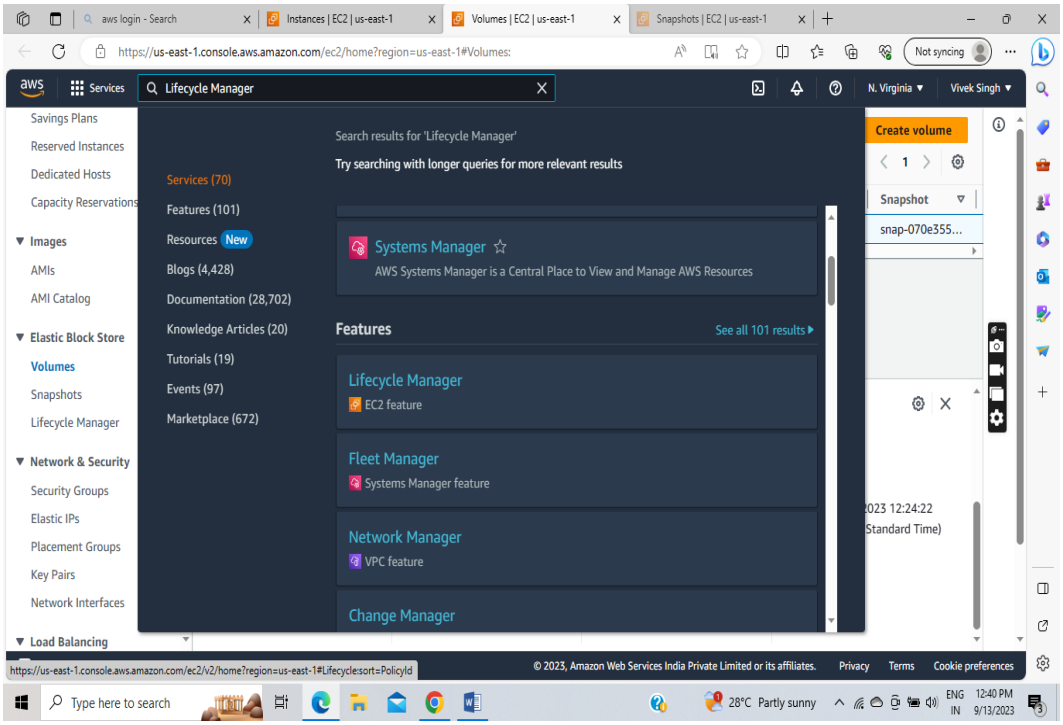




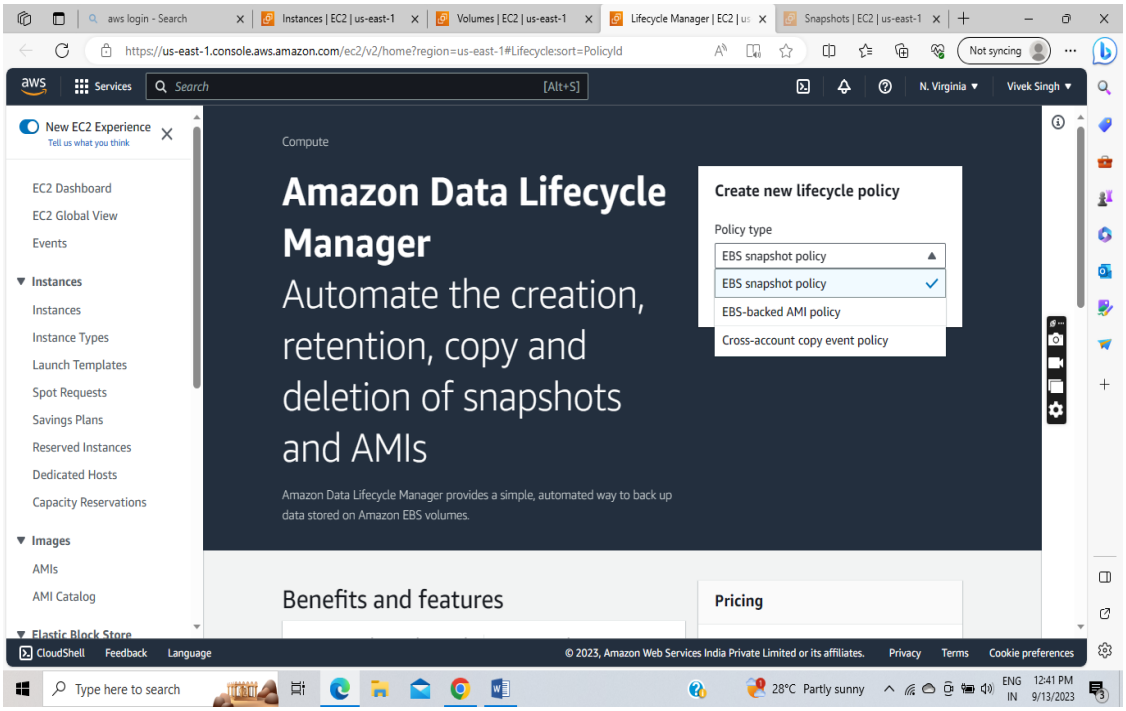
➢ After creating Ec2 instance, the volume automatically created with the EC2 Instance.



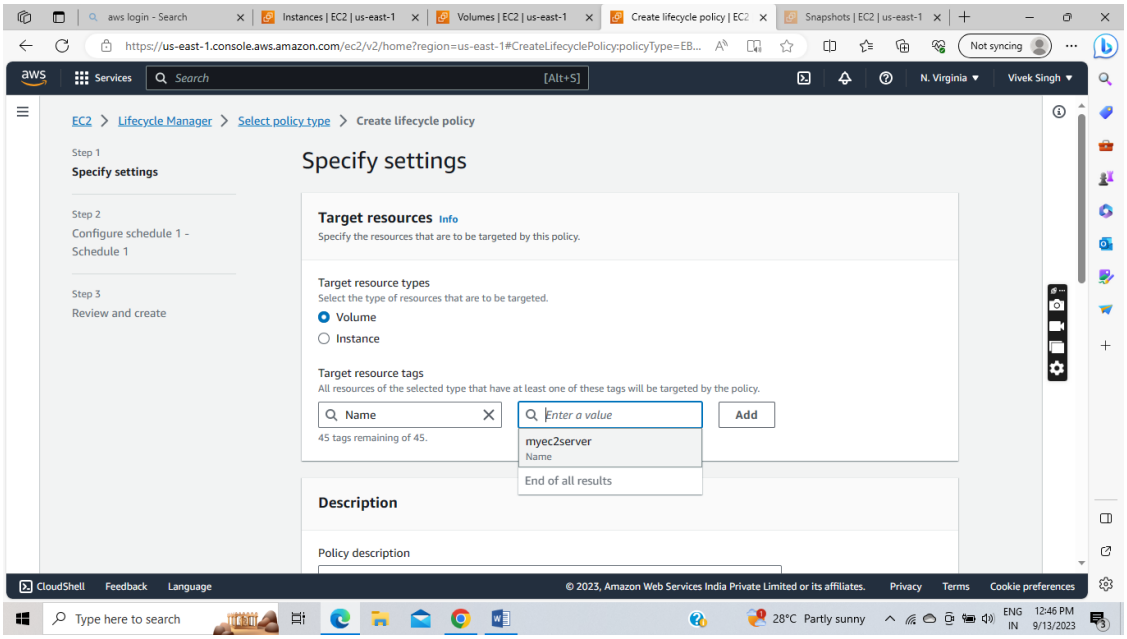
- In the Console Search Bar type the Lifecycle manager.

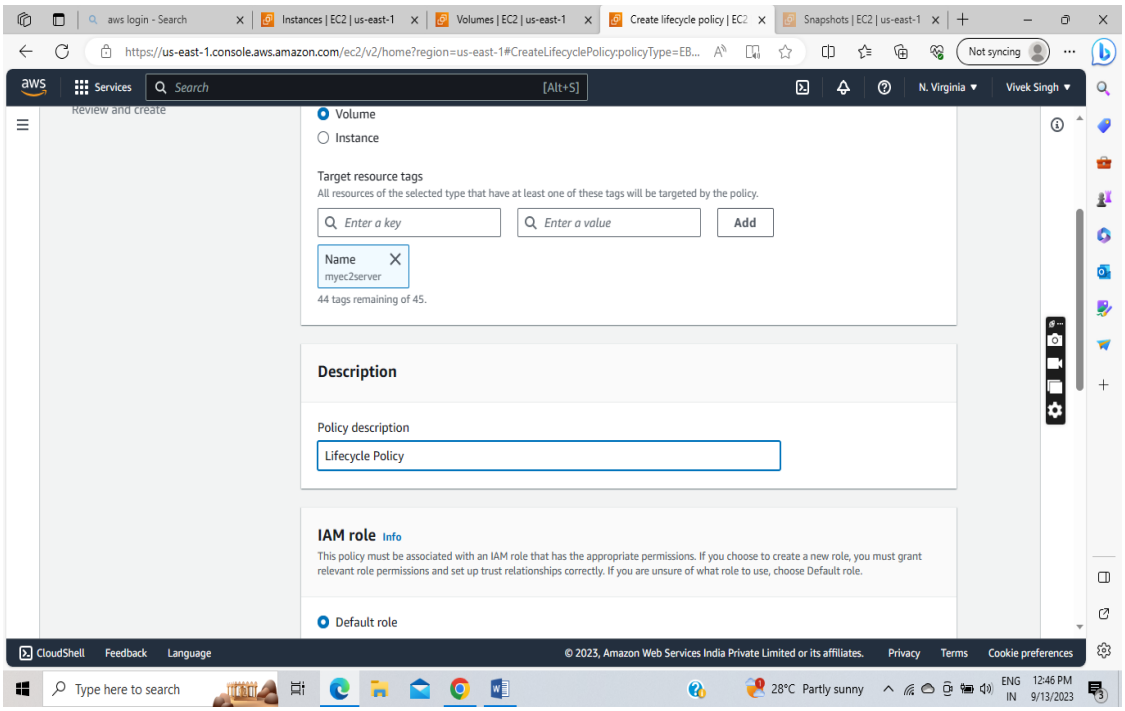


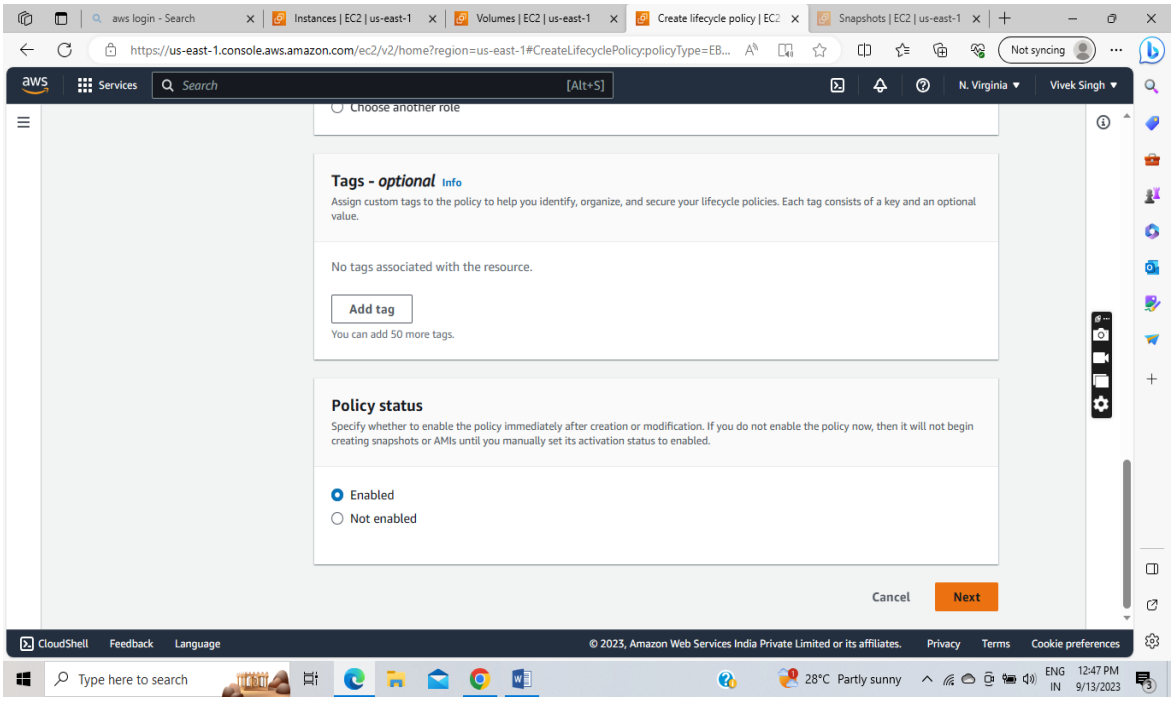
- Then Select the EBS Snapshot Policy Option.



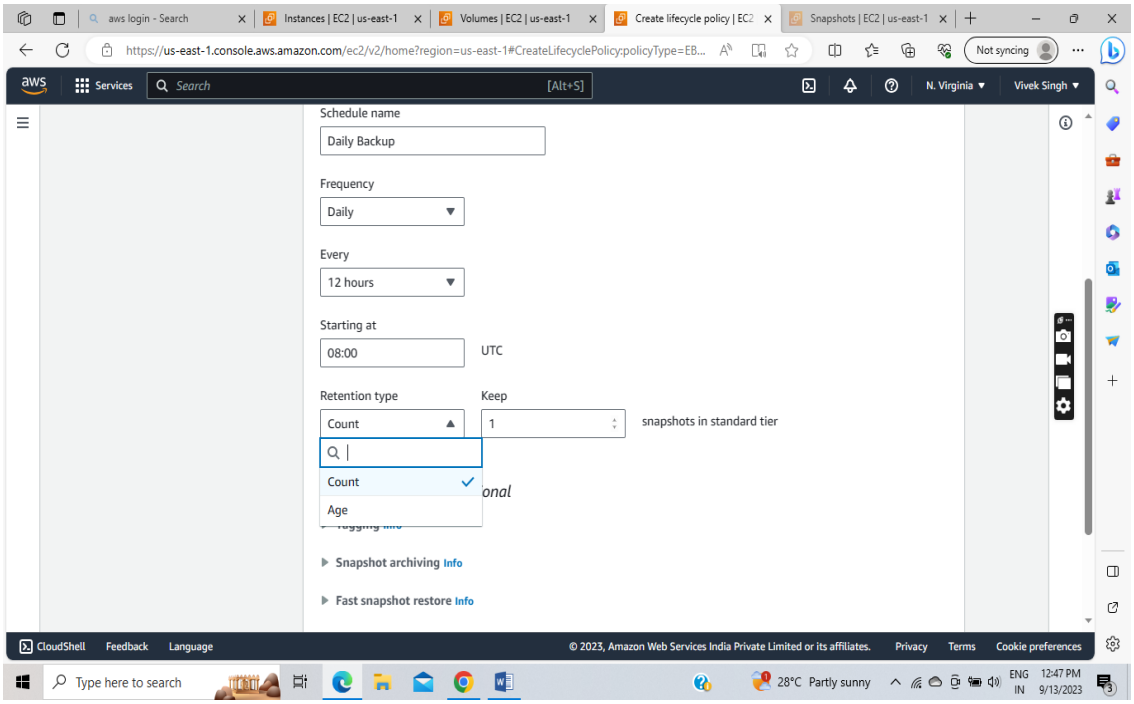
- Target Resource Type: Volume
- Target Resource Tags: Name: myec2server
- Policy Description: Lifecycle Policy
- Policy Status: Enable.
- Keep everything default, Click Next.







- In the Configuration Schedule
- Schedule Name: Daily Backup
- Frequency: Daily
- Every: 12 hrs
- Starting at: 9:00 UTC (2:30 ITC)
- Count: 1, (Count is done in between 1-1000, Age is for last for 100 yrs.)


Schedule name
Daily Backup
Frequency
Daily
Every
12 hours
Starting at
08:00
UTC
Retention type
Keep
Count
1
snapshots in standard tier
Count
Age
Snapshot archiving Info
Fast snapshot restore Info
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
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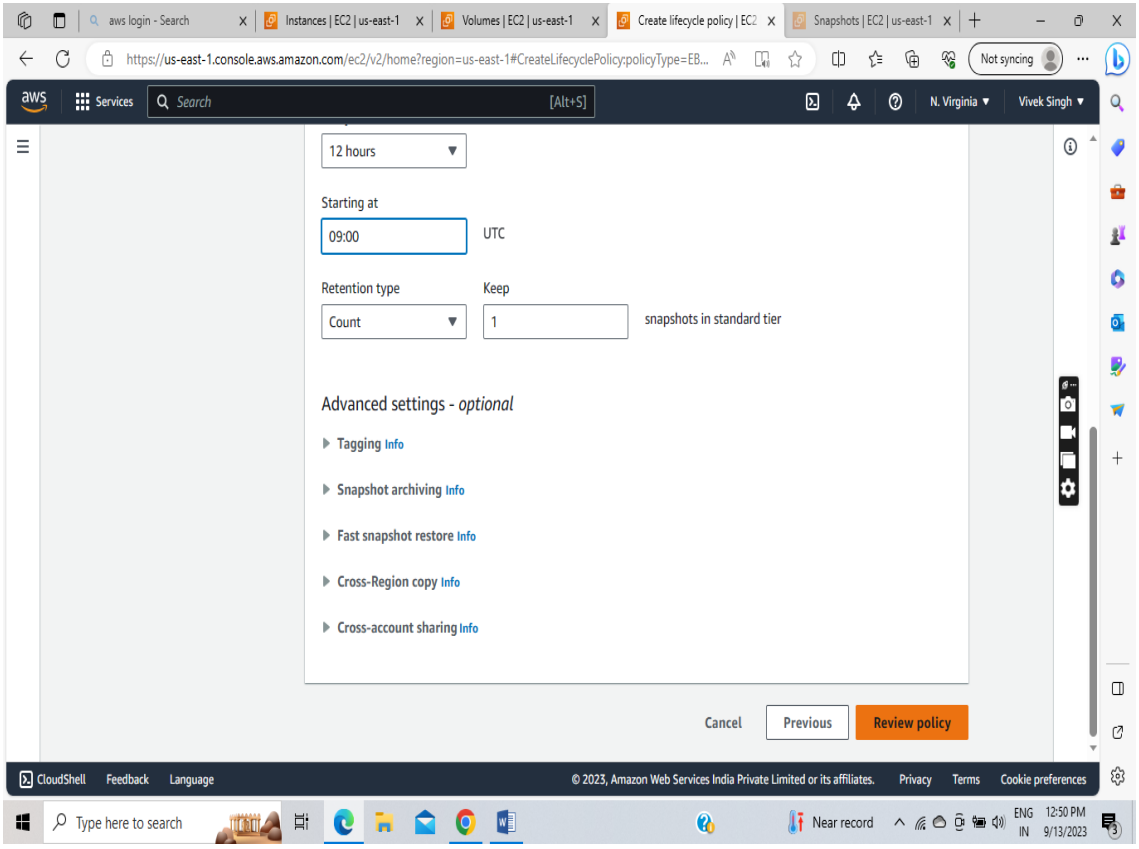
Terms
Cookie preferences


12 hours
Starting at
09:00
UTC
Retention type
Keep
Count
1
snapshots in standard tier
Advanced settings - optional
Tagging Info
Snapshot archiving Info
Fast snapshot restore Info
Cross-Region copy Info
Cross-account sharing Info
Cancel
Previous
Review policy
CloudShell
Feedback
Language
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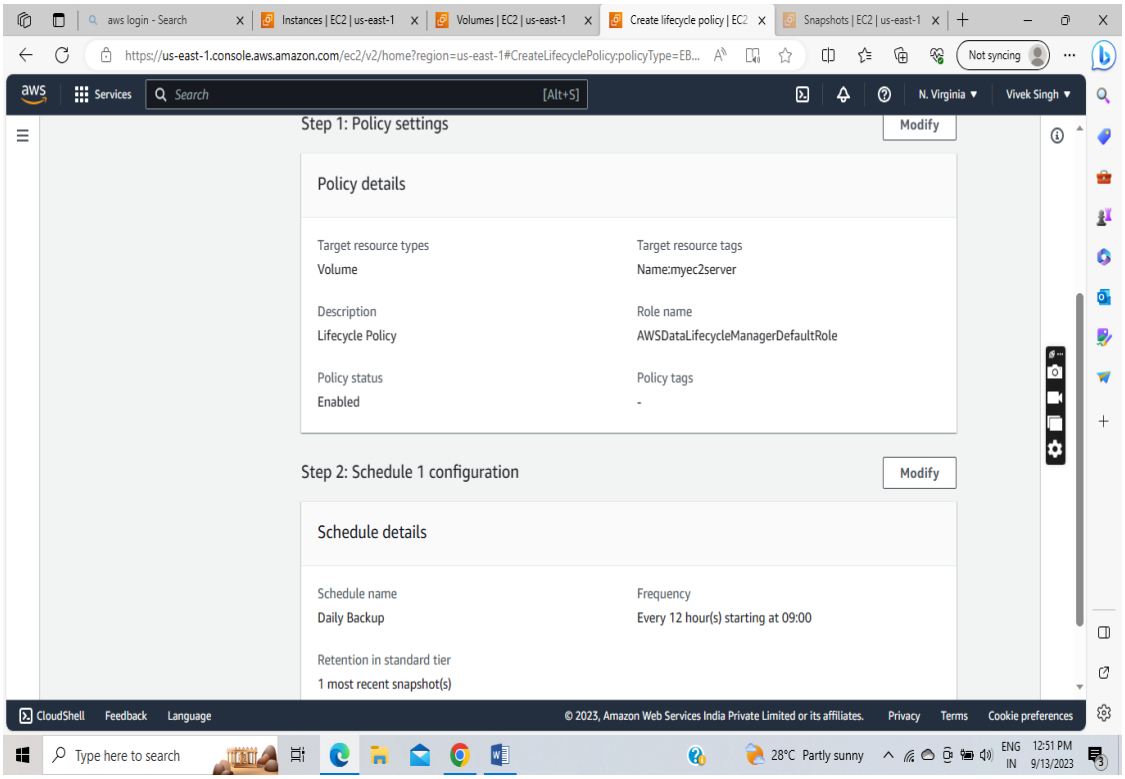
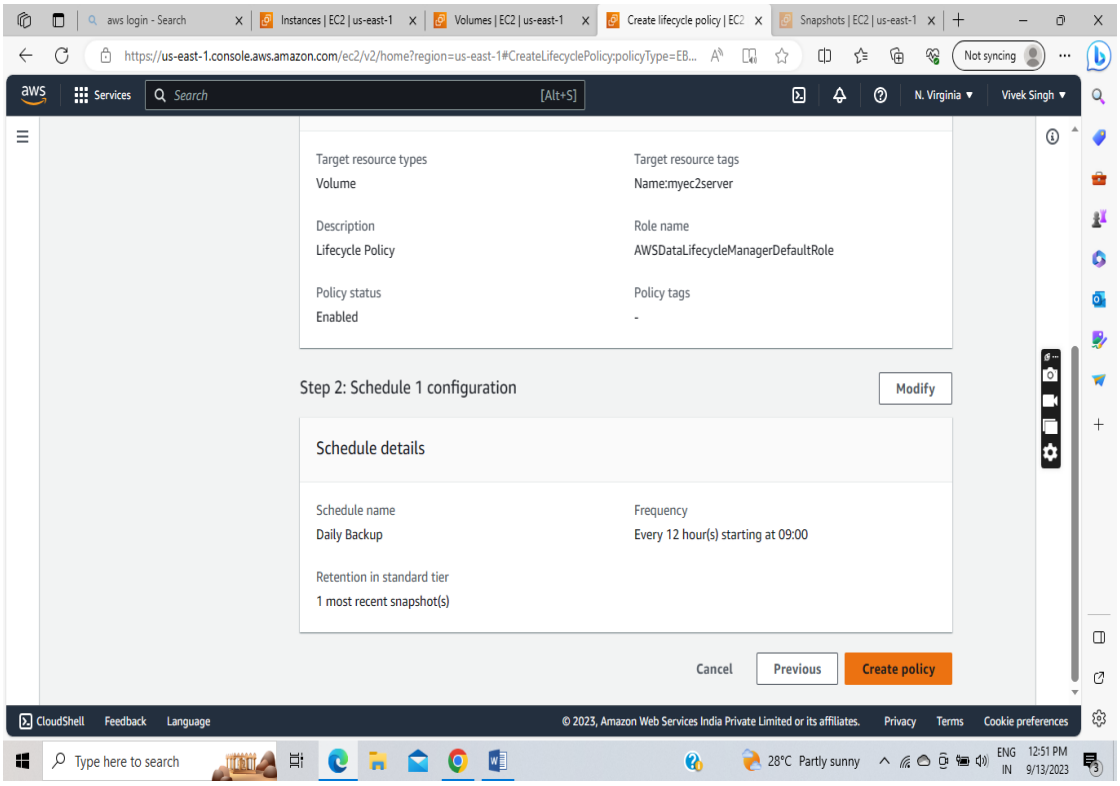
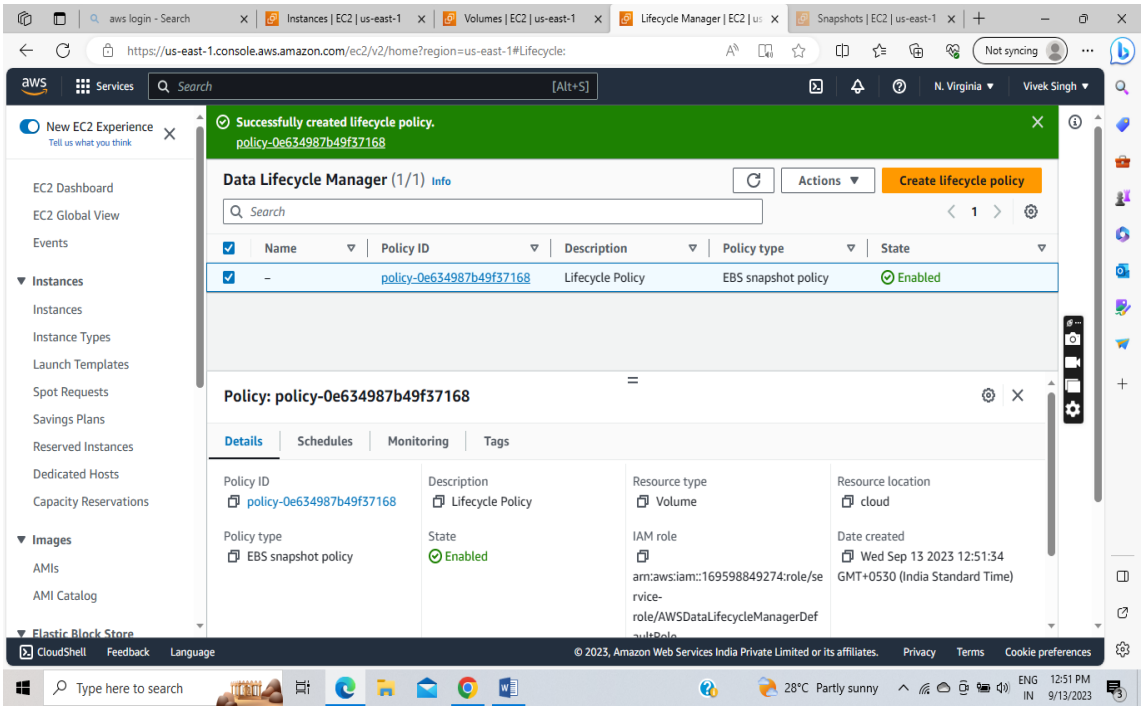
➢ Review the policy and then create the policy.





- Check the Lifecycle manager.



- Snapshots: you have to wait for sometimes for the snapshots.