Practical No: - 05 **Date: -** / /2025

Aim: - To create Elastic Block Storage in AWS, attach it to EC2 instance and detach it from the EC2 instance.

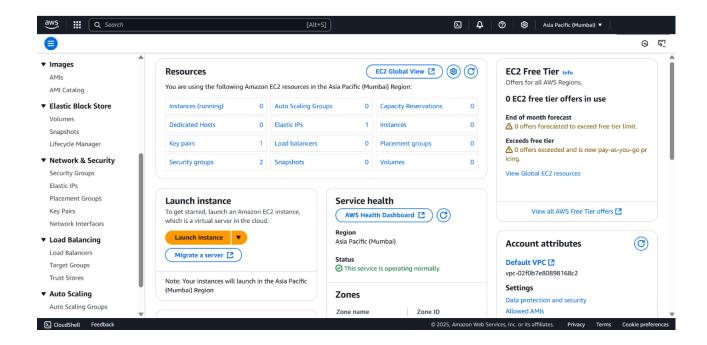
Theory: -

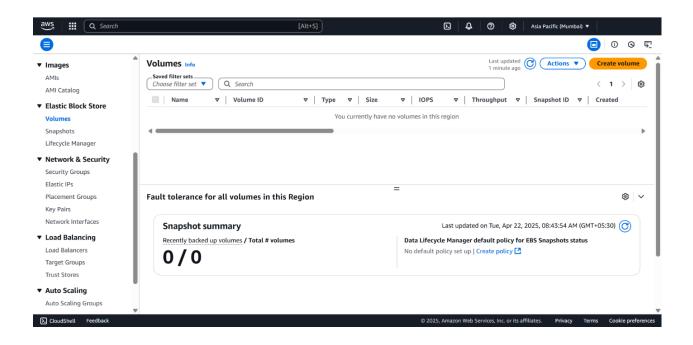
Amazon EBS (Elastic Block Store) is a high-performance block-level storage service designed for use with Amazon EC2 (Elastic Compute Cloud) instances. It provides durable, reliable, and low-latency storage that behaves like raw, unformatted block devices. EBS volumes can be used for a variety of workloads, such as databases, file systems, or application data.

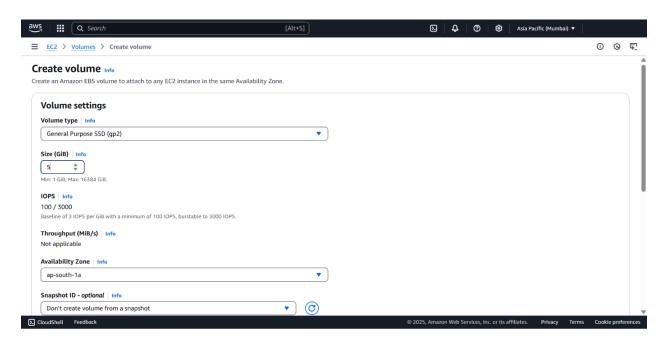
Key points:

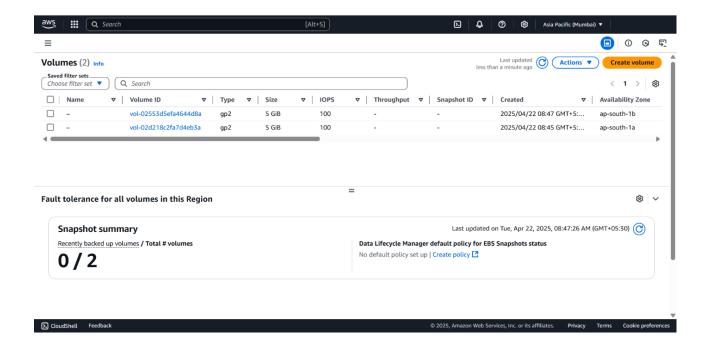
- EBS volumes are region-specific.
- They can be attached/detached without stopping the EC2 instance.
- Data persists independently of the EC2 instance lifecycle

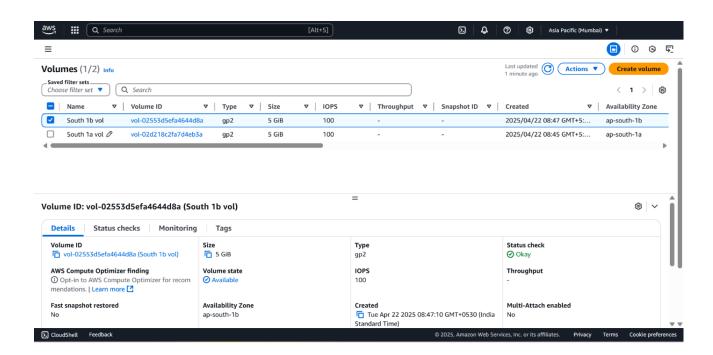
Performance Screenshot: -

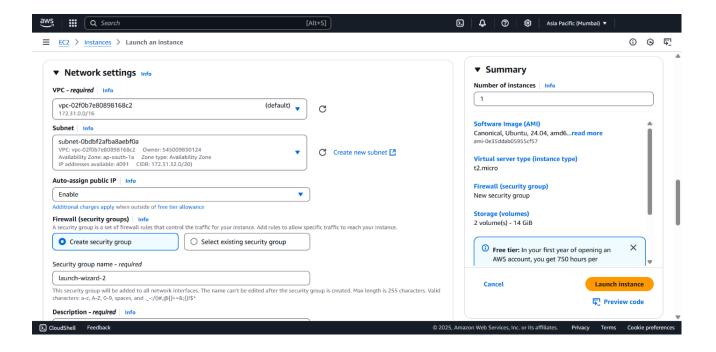


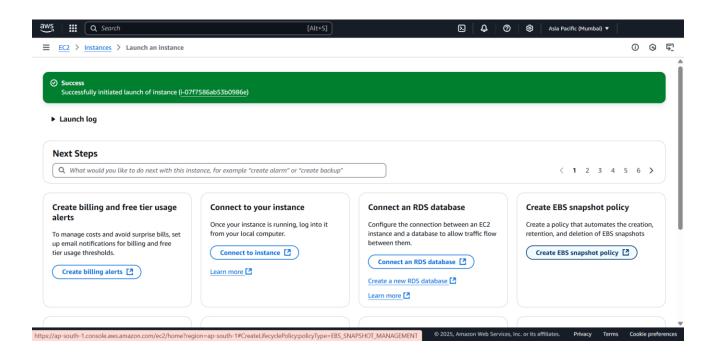


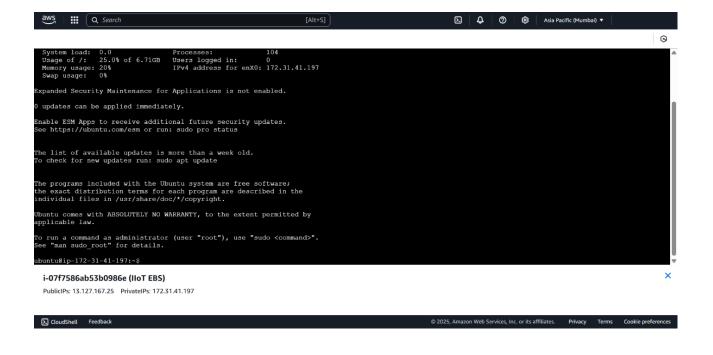


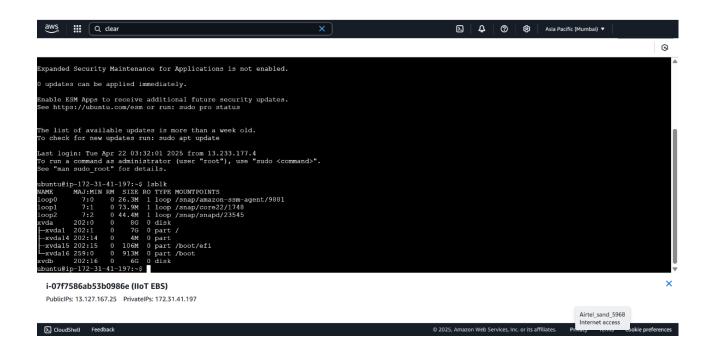


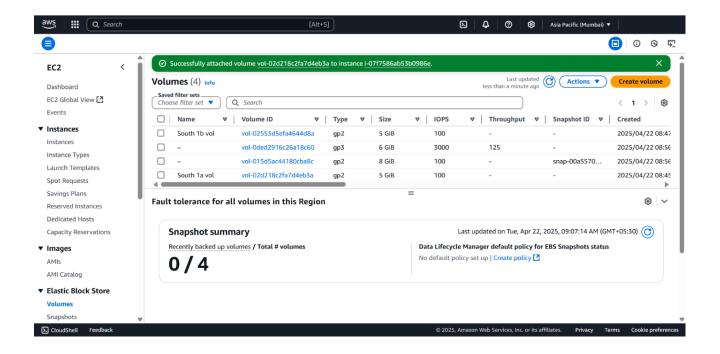


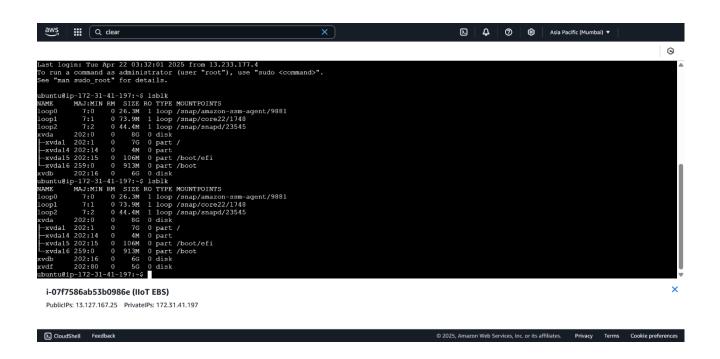


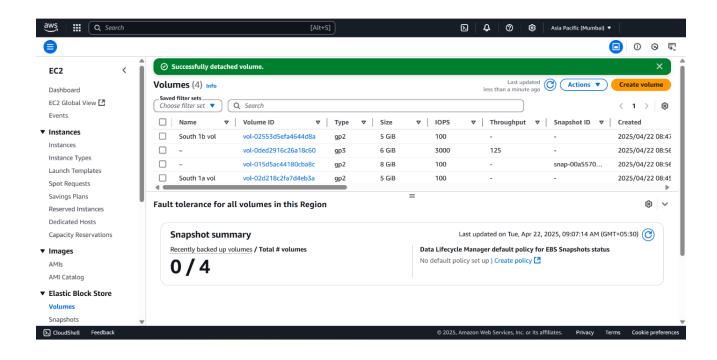


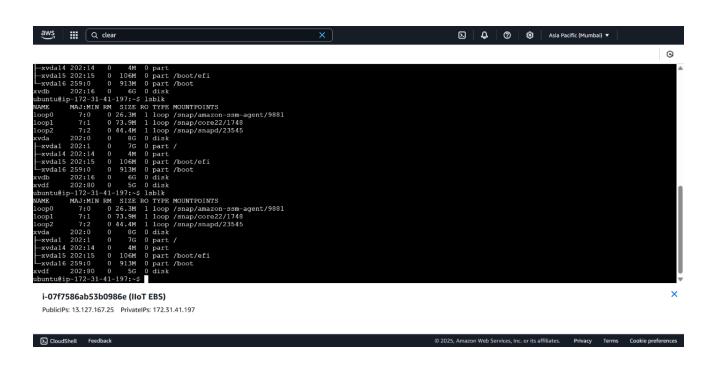














Conclusion: In this practical, we successfully created Elastic Block Storage in AWS, attached it to EC2 instance and detached it from the EC2 instance.