HNO-2303A52317
BATCH-37

Creating and Attaching an EBS Volume to EC2

Objective

The objective of this task is to provision a new Elastic Block Store (EBS) volume using the AWS Management Console, attach it to an existing EC2 instance, and verify its attachment.

Prerequisites

- Basic understanding of AWS EC2 and EBS
- Familiarity with AWS Management Console
- An active EC2 instance (Amazon Linux 2)

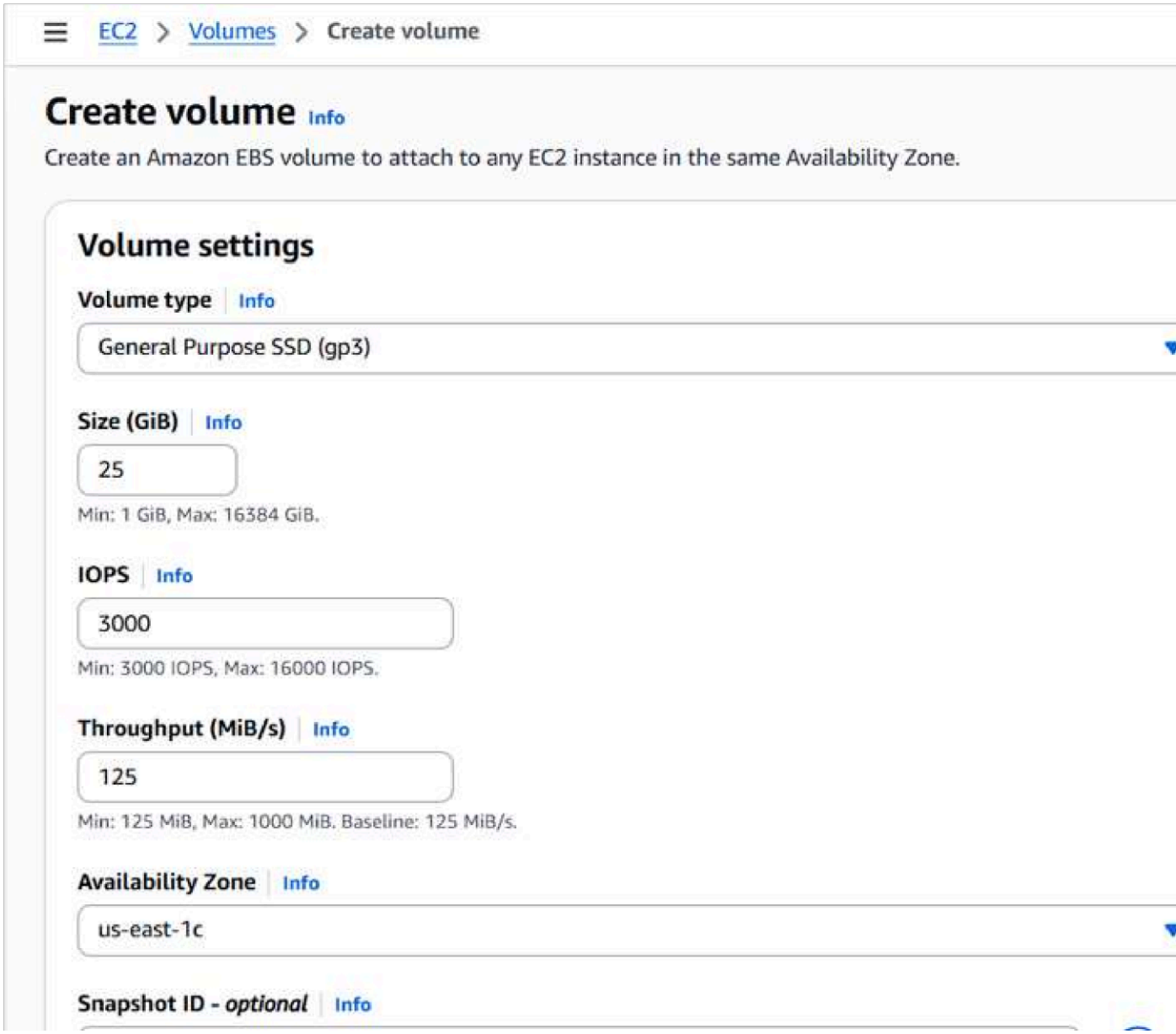
Steps Overview

1. Create an EBS volume in the same Availability Zone as the EC2 instance.
2. Attach the volume to the EC2 instance.
3. Verify the attachment using lsblk command inside the EC2 instance.

Procedure

Step 1: Create an EBS Volume

- Open the AWS Management Console → Navigate to EC2 → Volumes → Create Volume.
- Select the same Availability Zone as the target EC2 instance.
- Specify size, type, and other parameters.
- Click Create Volume.

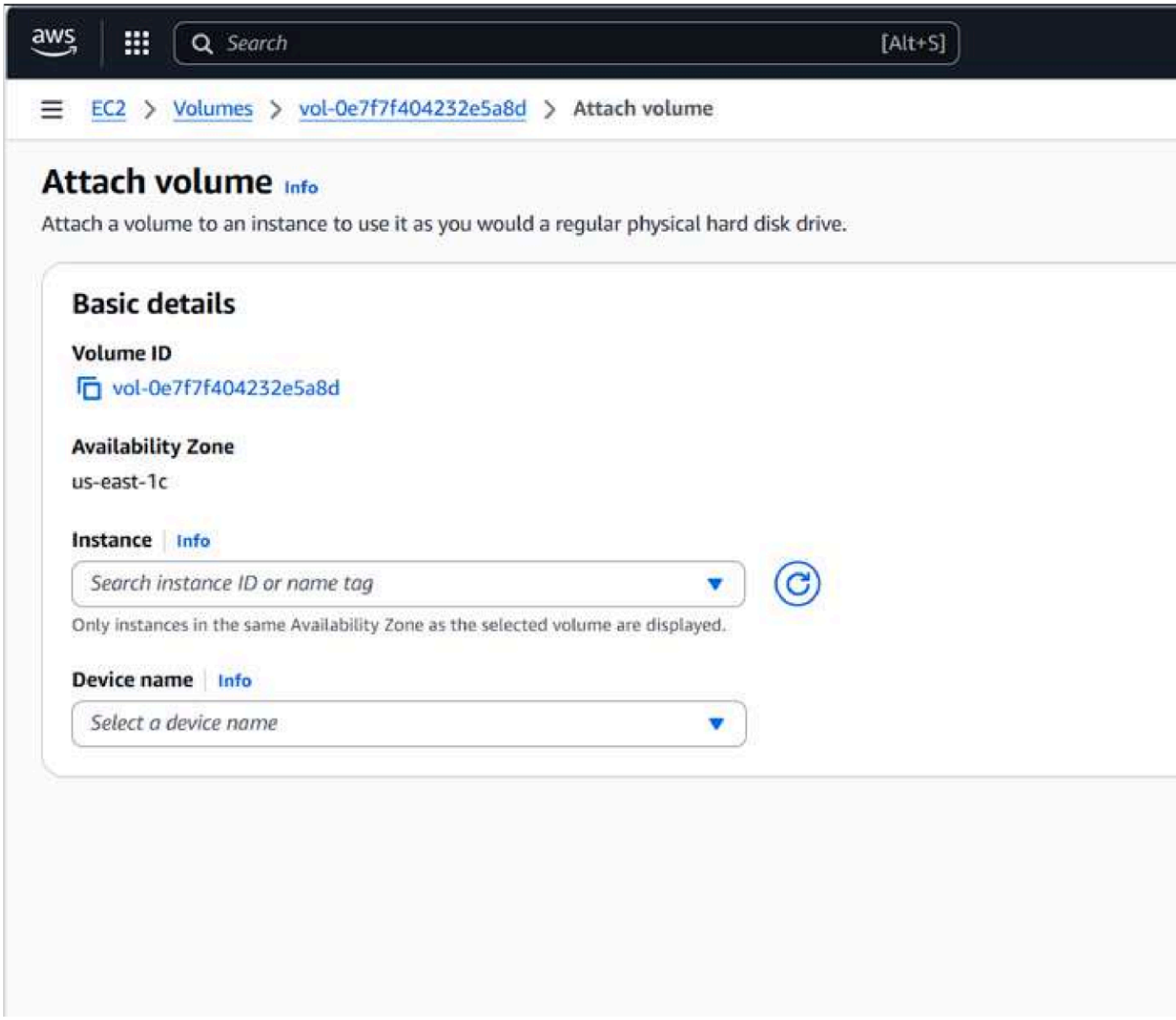


Step 2: Attach the Volume to EC2

- Select the newly created volume in the EC2 → Volumes section.
- Choose Actions → Attach Volume.
- Select the target EC2 instance.
- Confirm the attachment.

Step 3: Verify Volume Attachment •

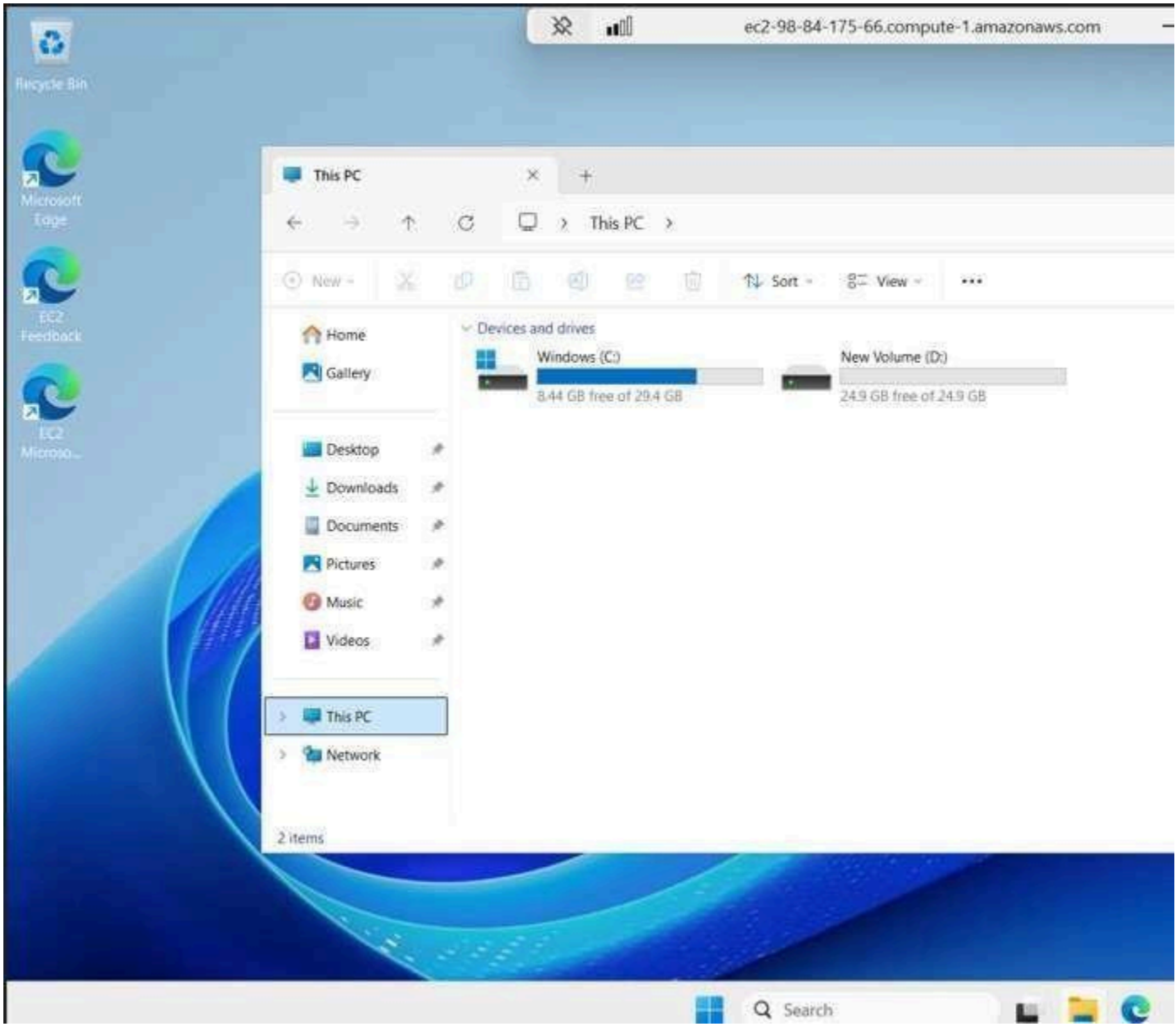
Connect to the EC2 instance via SSH.



• Run the following command:

lsblk

• The new volume (e.g., /dev/xvdf) should be visible in the output.



Deliverables

- Screenshot of volume creation
- Screenshot of volume attachment
- Screenshot of lsblk output showing the new volume