Lab Steps involving EBS (Amazon Elastic Block store)

Here's a typical set of steps you'd follow in a cloud computing lab to work with **EBS**:

1. **Launch an EC2 Instance**
- Log in to your AWS account.
- Navigate to EC2.
- Choose an AMI (Amazon Machine Image), such as Ubuntu or amazon Linux.
- Select an instance type and launch it.

2. **Create an EBS Volume**
- Go to **EBS** section in the EC2 dashboard.
- Click on **"Create Volume".**
- Choose volume type, size, and availability zone.
- Click **Create Volume.**

3. **Attach EBS Volume to EC2 Instance**
- Select the created volume.
- Click **Actions-> Attach Volume.**
- Choose the EC2 instance and device name.
- Click **Attach.**

4. Log into the EC2 and Mount the EBS Volume

- Use SSH to connect to the EC2 instance.
- Run lsblk to verify the volume is attached.
- Create a file system on the new volume:
- Create a mount point and mount the volume:
- (Optional) Add to /etc /fstab to mount automatically on boot.

5. Use the EBS Volume

- Store files, data, or logs in /mnt /ebs.
- Perform read/write operations as needed.

6. Detach and Delete (Cleanup)

- Unmount the volume:
- Detach the volume from the EC2 instance in the AWS console.
- Optionally delete the volume if no longer needed.