

## \* EC2 Instance Storage \*

EBS Volumes are created for a specific AZ. It is possible to migrate them between different AZs using EBS snapshots.

By default, the Root Volume type will be deleted as its "Delete on Termination" attribute is checked by default. Any other EBS volume type will not be deleted as its "Delete on Termination" attribute is disabled by default.

AMIs are built for a specific AWS Region, they are unique for each AWS region. You can't launch an EC2 instance using an AMI in another AWS Region, but you can copy the AMI to the target AWS Region and then use it to create your EC2 instances.

When creating EC2 instances, you can only use the following EBS volume types as boot volume: gp2, gp3, io1, io2 and Magnetic (Standard).



- Using EBS Multi-Attach, you can attach the same EBS volume to multiple EC2 instances in the same AZ. Each EC2 instance has full read/write permissions.
- Encrypt an unencrypted EBS volume attached to your EC2 instance. Create an EBS snapshot of your EBS volume. Copy the snapshot and tick the option to encrypt the copied snapshot. Then, use the encrypted snapshot to create a new EBS volume.
- NFS is a network file system (NFS) that allows you to mount the same file system on EC2 instances that are in different AZs.
- EC2 instance store provides the best disk I/O performance.
- Running a high-performance DB that requires or IOPS of 310,000: EC2 Instance Store.