**Storage and Archiving Topics to Cover**

**EBS**

1. **How to setup redundancy (High Availability)** EBS is redundant against physical hardware failures inside one availability zone.
2. **Increase read and write performance**
   1. Use PIOPS (io1 and io2) volumes with EBS optimized instances for maximum performance. IO2 has the same price as IO1. (IO1 has %99.9 durability but io2 has %99.999 durability. IO1 supports 50 IOPS per GB and IO2 supports 500 IOPS per GB)
   2. Implementing software RAID (RAID 0 and 1) on the instances to increase the performance even more.
3. **How to setup DR** DLM has a policy called “EBS Snapshot policy” that allows you to copy your snapshots to another region.
4. **How to setup Automated backup** Use DLM, AWS Backup or SSM
5. Cloud watch monitoring and alerts
6. How to expand storage

**EFS/FSx**

1. How to setup
2. How to take snapshots. (Manual and automatic)
3. How to setup redundancy
4. Setup DR
5. How to restore files after accidental deletion
6. Cloud watch monitoring and alerts
7. How to expand storage

**S3**

1. How to backup
2. Configure DR
3. Object restore using versioning or backup
4. Cloud watch monitoring and alerts