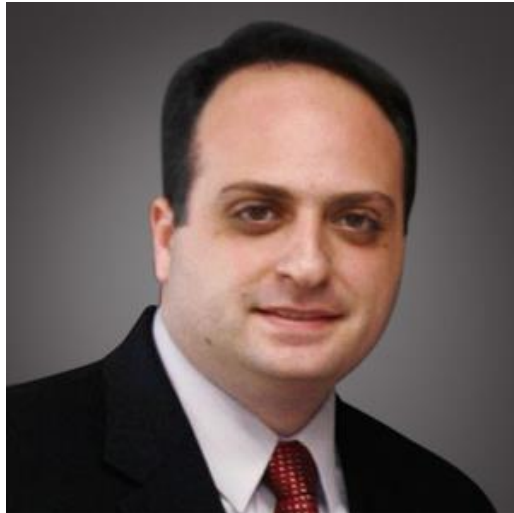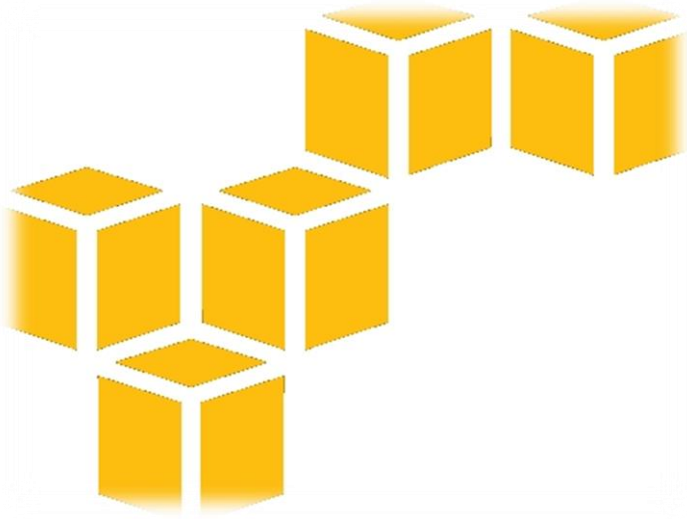# Working with AWS Storage: EBS and Glacier

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Understanding Elastic Block Storage - EBS

- Not internet accessible
- Persistent file system for EC2
- Does not need to be attached to an instance
- Can be transferred between AZ
- Supports incremental snapshots
- EBS leverages S3 for snapshot storage
- Provisioned IOPS

pluralsight

Understanding Glacier

- Very cheap storage
- Useful for infrequently used data. Ideal for backup
- Very, very slow retrieval times (4 – 6 hours)
- High durability
- Cost for restore
- AES 256 bit data encryption
- 0.01 per GB

EBS and Glacier

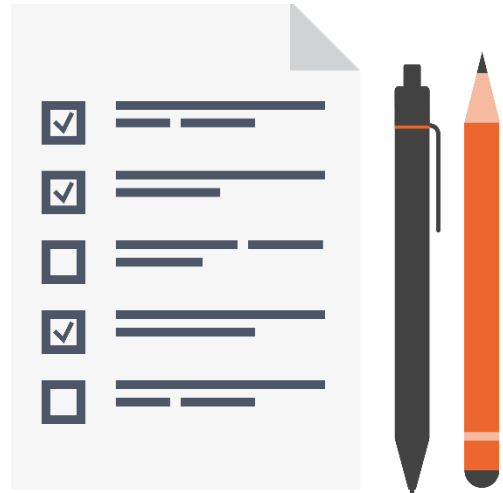Create an EBS volume

Attach a volume to an instance

Snapshot a volume

Create a Glacier vault

Grant user permission to a Glacier vault

Summary

Understanding EBS

Understanding Glacier