AWS Certified Solutions Architect: Associate - 2.0 Amazon S3 and Glacier Storage

filename: amazon-acsaa-2-3-amazon_glacier
Title: Amazon Glacier
Subtitle: AWS Certified Solutions Architect: Associate

2.3 Amazon Glacier

- Introduction
    - High latency, high durability storage
    - Useful for tape backup replacement
    - Useful for compliance requirements
- Archives
    - Primary storage unit of Glacier
    - 1 archive can contain up to 40TB of data
    - Unlimited # of archives
    - Each has a unique ID (no friendly name)
    - Encrypted by default
    - Immutable (cannot be changed)
- Vaults
    - Containers of archives
    - Each AWS account can have up to 1000 vaults
- Vault Locks
    - Policies that enforce compliance
    - For example Write-One-Read-Many (WORM)
    - Policies cannot be changed once "locked"
- Data Retrieval
    - Retrieval of up to 5% of data per month is free
    - After that there is a charge
- Glacier vs S3
    - Glacier can be used as a storage class within S3
    - Serves as the end of the lifecycle for data