

AWS CERTIFIED SOLUTION ARCHITECT: ASSOCIATE

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ASSOCIATE



INTRODUCTION STORAGE

- Introduction to AWS Storage
- S3 Storage
- EBS Storage
- Glacier
- Storage Gateway
- EFS
- AWS Import Export Snowball

Storage



- S3



- Glacier



- EBS



- Storage Gateway



- EFS



- AWS Import Export Snowball

AWS STORAGE

S3

Simple Storage Service. Scalable storage in cloud. Object storage built to store and retrieve any amount of data from anywhere. Offers 99.99999999% durability

AWS S3 STORAGE

FEATURES

Unmatched Durability, Scalability & Flexibility

Data Encryption

Support Big data Analytics

Easy, flexible data transfers

Automatic replication of data

Biggest cloud storage

AWS S3 STORAGE

USE CASES

Backup and Recovery

Data Archiving

Big Data Analytics

Disaster Recovery

Hybrid Cloud Storage

AWS STORAGE

GLACIER

Amazon Glacier is a secure, durable, and extremely low-cost cloud storage service for data archiving and long-term backup. It is designed to deliver 99.99999999% durability

AWS GLACIER STORAGE FEATURES

Low Cost. Starting at \$0.004 per gigabyte per month

99.99999% durability

Security & Compliance capabilities

AWS GLACIER STORAGE

USE CASES

Media Asset Archiving

Healthcare Information Archiving

Scientific Data Storage

Digital Preservation

Magnetic Tape Replacement

Regulatory & Compliance Archiving

AWS STORAGE

EBS

Elastic Block Store. Provides persistent block storage volumes for use with Amazon EC2 instances in the AWS Cloud.

AWS EBS STORAGE

FEATURES

High Performance - SSD backed / HDD backed

Availability

Encryption

Access Management via IAM

Snapshots

AWS EBS STORAGE

USE CASES

Relational Databases

Enterprise Applications

Development & Test

NoSQL Database - MongoDB

Business Continuity

AWS STORAGE

GATEWAY

AWS Storage Gateway is a hybrid storage service that enables your on-premises applications to seamlessly use AWS cloud storage.

AWS STORAGE GATEWAY

FEATURES

Connect as File Storage

Connect as Block Storage

Transfer Data in-out of AWS cloud

AWS STORAGE GATEWAY

USE CASES

Big data, cloud bursting, or cloud data migration

Drop-in replacement for tape and tape automation

Can take snapshots of your local volumes & store those snapshots in AWS EBS

AWS STORAGE

EFS

Elastic File System. Provides simple, scalable file storage for use with Amazon EC2 instances in the AWS Cloud.

AWS EFS

FEATURES

Big data, cloud bursting, or cloud data migration

Drop-in replacement for tape and tape automation

Can take snapshots of your local volumes & store those snapshots in AWS EBS

AWS instances can access EFS by mounting it - NAS

AWS EFS

USE CASES

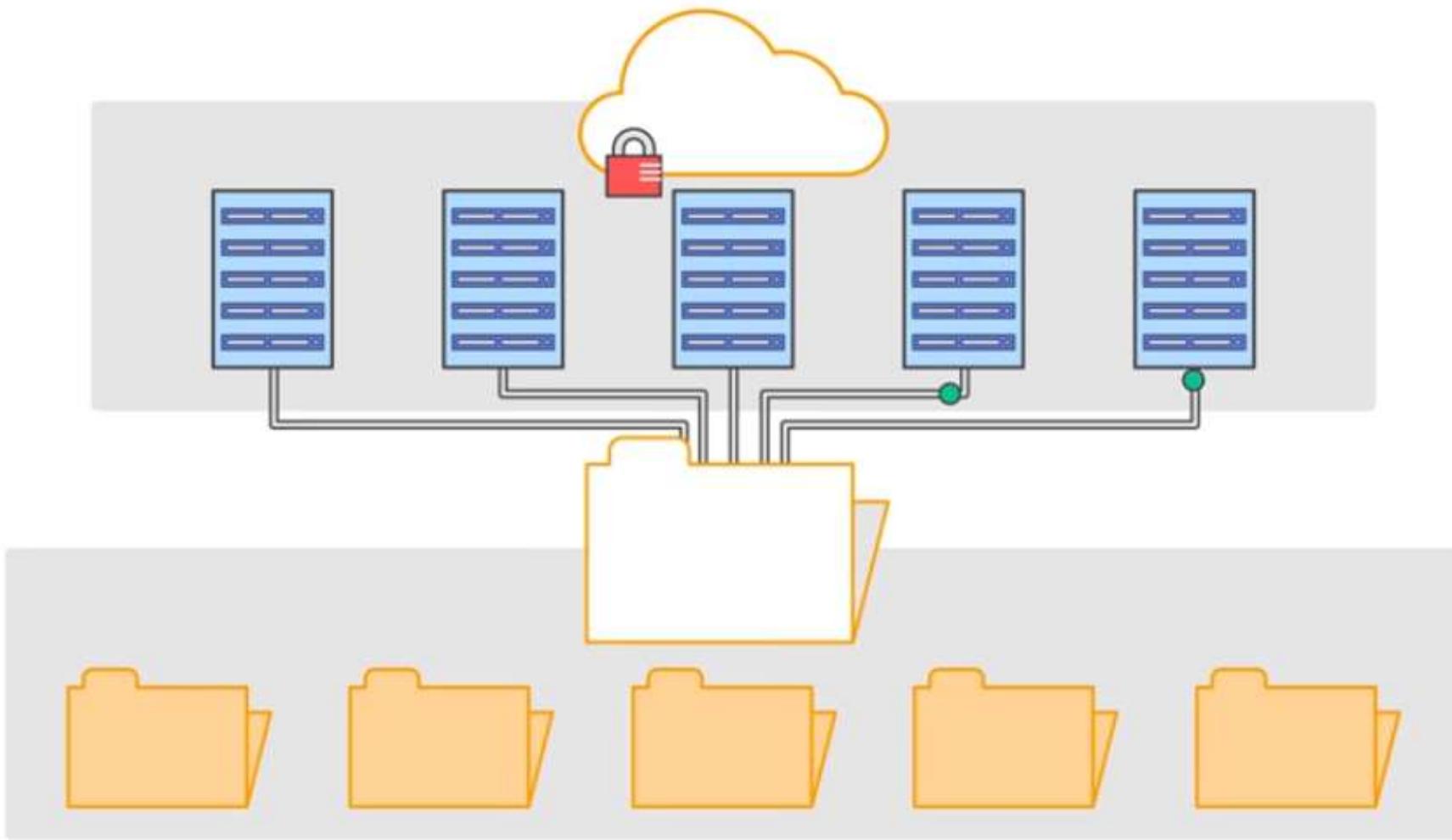
Big data, cloud bursting, or cloud data migration

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AWS STORAGE

SNOWBALL

Snowball is a petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of the AWS cloud.

NETWORK NUTS

AWS SNOWBALL

FEATURES

High Speed

Scalable

Tamper Resistant & Secure

Simple & Compatible

Low Cost

Easy Data Retrieval

AWS SNOWBALL

USE CASES

Cloud Migration

Disaster Recovery

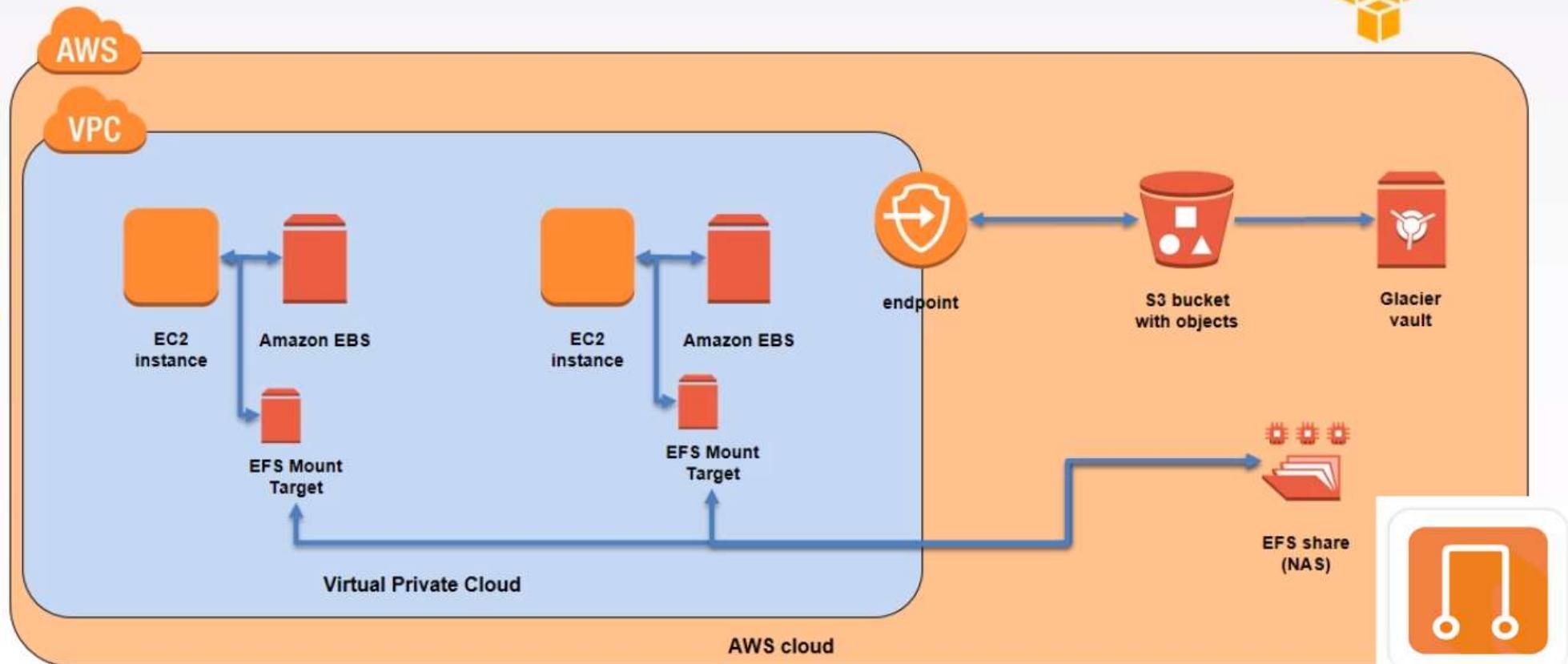
Datacenter Decommission

Content Distribution

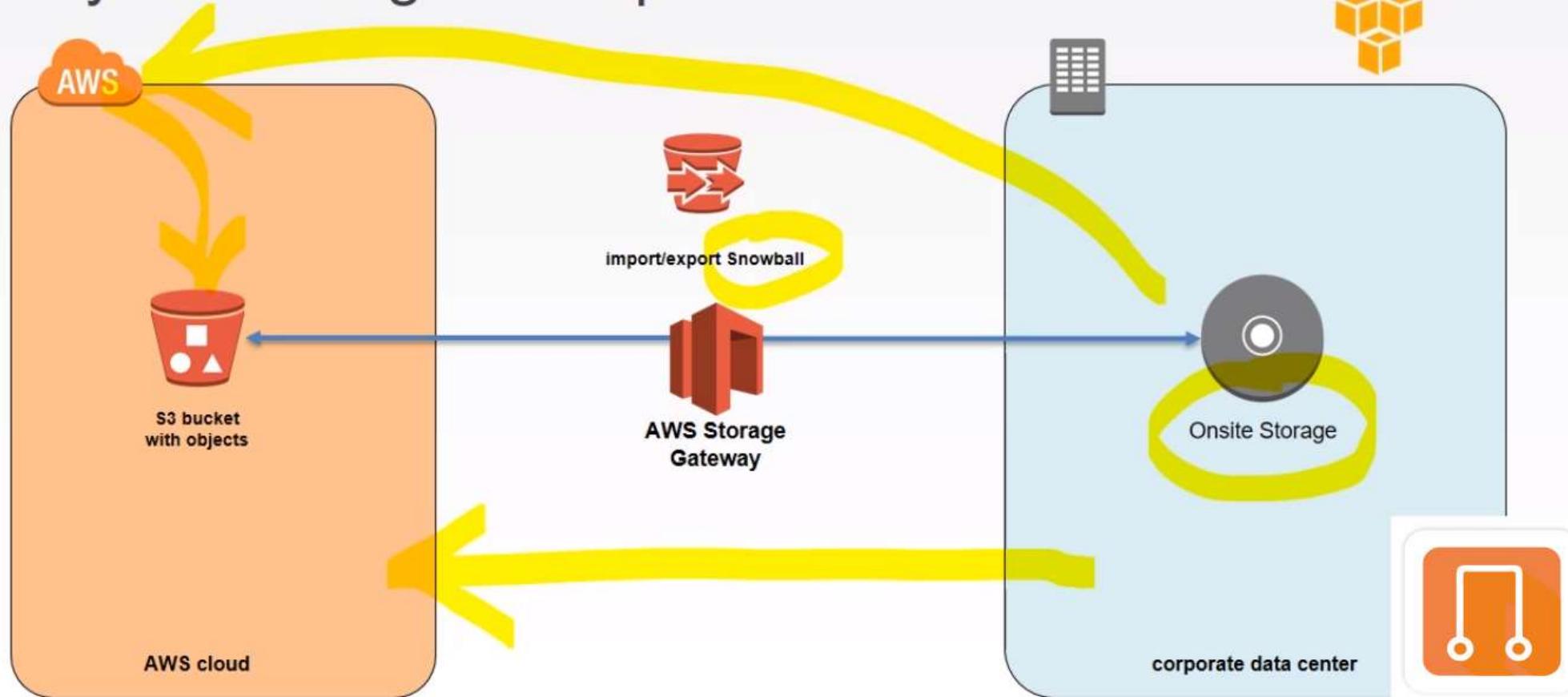
What is Snowball? Petabyte scale data transport



Storage Example



Hybrid Storage Example



Lets Go!

