

Hybrid IT Infrastructure - Storage and Backup

AWS Snowball Device

Large Scale Data movement from your on-premise Data center to AWS Cloud using [AWS Snowball Device](#) (3 minute video) <https://www.youtube.com/watch?v=yI25W7LZAMU>

AWS Storage Gateway

Use Storage Gateway Appliance to Store and Retrieve data from AWS Cloud using [File Interface](#) (supports industry file protocols) , [Volume Interface](#) (iSCSI block protocol), and [Tape Interface](#) (iSCSI based Virtual Tape Library).

1. Gateway Stored Volume - Entire Data is stored locally with volumes backed up asynchronously to S3 as EBS Snapshots. Provides low latency access to entire dataset
2. Gateway Cached Volume - Entire Data is stored in S3 with a cache of frequently accessed data kept locally on-premises. Provides low latency access to frequently accessed data and retrieves missing data from S3
3. Virtual Tape Library - Provides a tape backup solution consisting of a virtual media changer, virtual tape drives, and virtual tapes. Virtual tape data is stored in Amazon S3 or can be archived to Amazon Glacier.

[AWS re:Invent 2015 | \(STG311\) AWS Storage Gateway: Secure, Cost-Effective Backup & Archive](#) (first 10 minutes provide an overview of the product)

<https://www.youtube.com/watch?v=VmjDfz-MIZE>

[AWS re:Invent 2016: NEW SERVICE: Introducing the new AWS Storage Gateway \(STG213\)](#) (This video introduces File Gateway, Volume Gateway and Tape Gateway. Discussion from 10:20 minutes onwards to 17:00 minutes)

<https://www.youtube.com/watch?v=CO3H-rFlr8E>