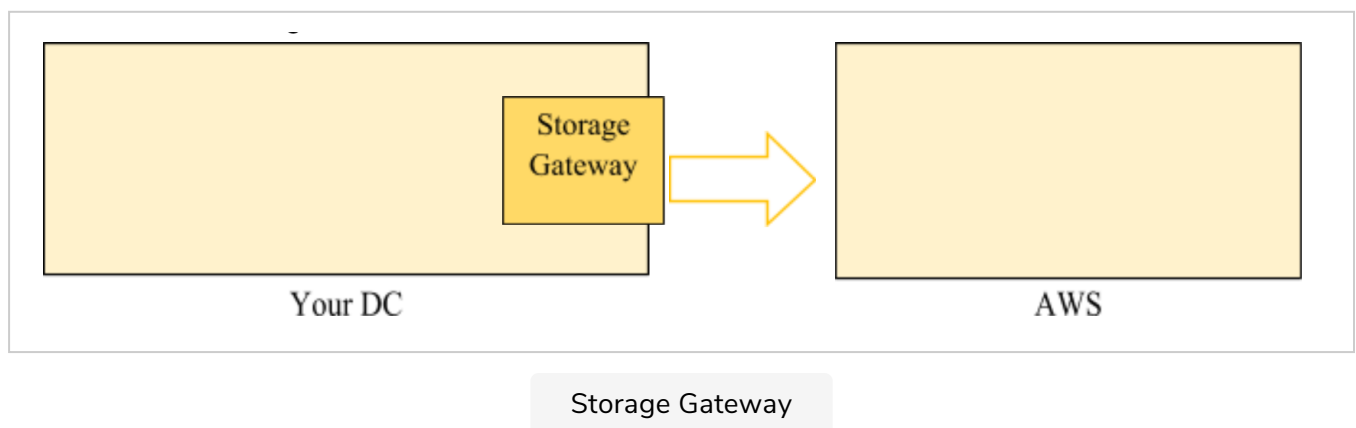


Storage Gateway

Introduction to AWS Storage Gateway and its use cases.

AWS **storage gateway** is a service that connects an on-premises software application with a cloud-based storage to provide seamless and secure integration between an organization on-premise IT infrastructure and the AWS infrastructure.

This service enables you to securely store data to the AWS cloud for scalable and cost effective storage.



Storage Gateway is a virtual appliance installed on a hyper visor in your DC

AWS storage gateway's software appliance is available for download as a VM image that you can install on a host in your data center. Once you have set up the AWS storage gateway you can use the management console and create the right type of replication. Once you have set up the AWS storage gateway you can use the management console and create the right type of replication.

Three Types of Storage Gateways

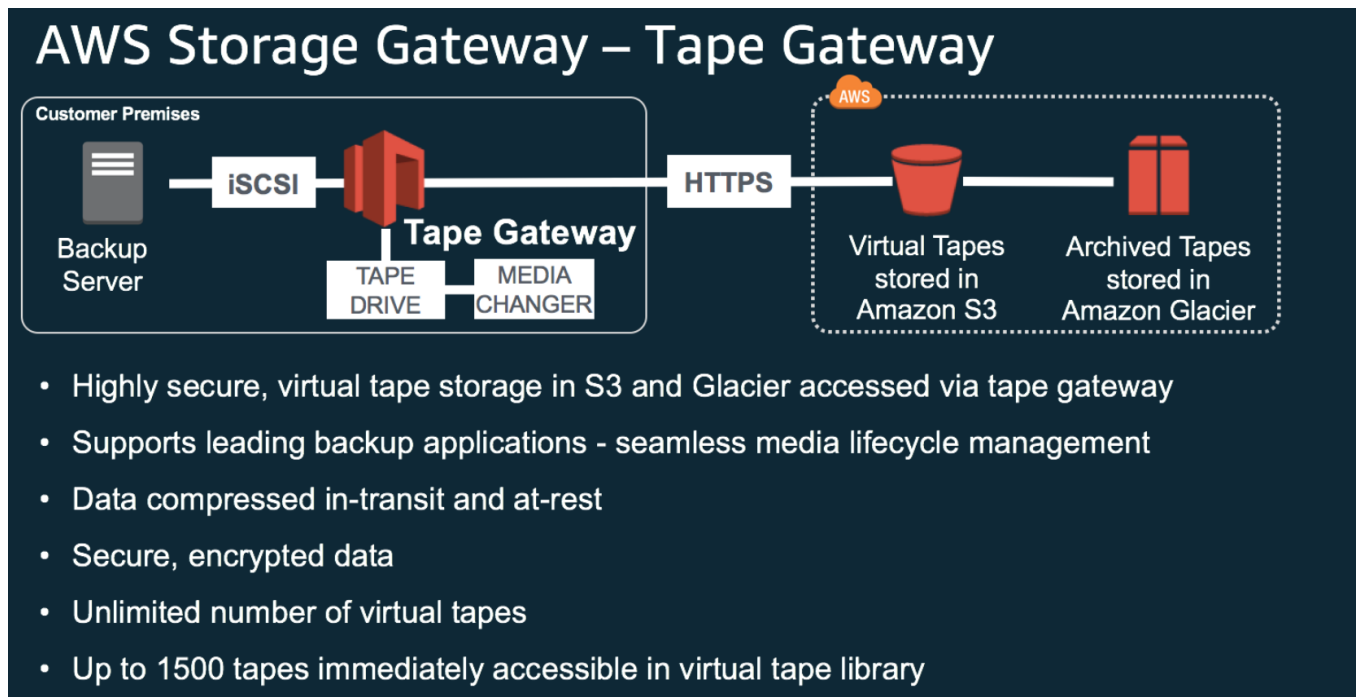
1. File Gateway (NFS): Using NFS store flat files in S3 e.g word etc.
2. Volume Gateways (iSCSI): This is using block based storage
Stored volumes: you would store the entire copy of your site data on AWS
Cached volumes: this is where you are only storing the most recently

accessed data. i.e. you would use this if you want AWS as your privacy reading resources

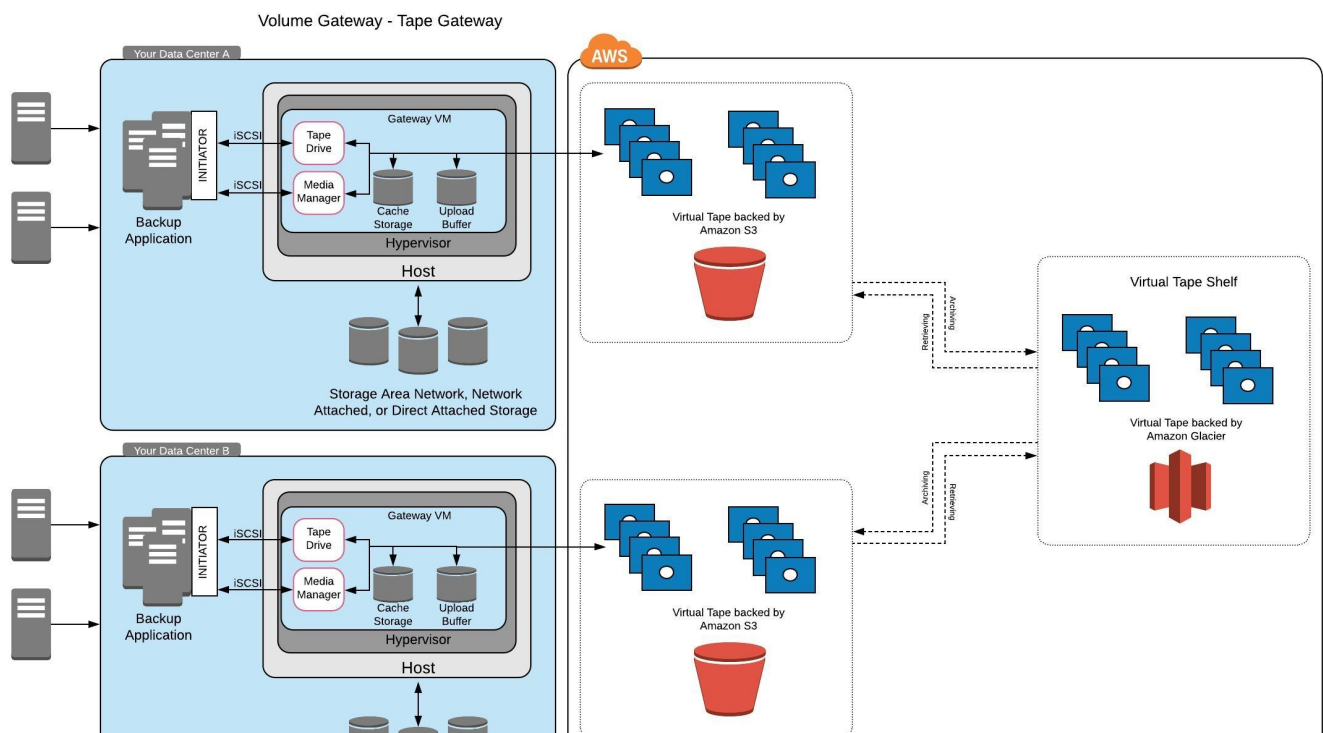
3. Tape Gateway (VTL) Back up and archiving solution allows you to create virtual tapes and send them to S3

Data written to these volumes can be asynchronously backed up as a point in time snapshots of your volumes, and stored in the cloud as EBS snapshots

Snapshots are incremented backups that capture only changes blocks.



Architecture of Volume Gateway to a Tape Gateway





Storage Area Network, Network
Attached, or Direct Attached Storage