**AWS Storage Gateway**

* Provide on-premises applications with access to virtually unlimited cloud storage
* Seamlessly and securely integrate your on-premises IT environment with AWS storage infrastructure
* AWS Storage Gateway charges are based on the type and amount of storage you use
* Simple

Easily deploy AWS Storage Gateway without any changes to your applications and easily integrate with standard storage protocols on-premises.

* Cloud-integrated

Durably store your data in AWS Cloud storage services, including Amazon S3, Amazon S3 Glacier Flexible Retrieval, Amazon S3 Glacier Deep Archive, Amazon FSx for Windows File Server, and Amazon EBS.

* Low latency

Leverage low-latency disk and network performance for your most active data, with optimized data transfers occurring to AWS Cloud storage in the background.

* Durable and secure

Benefit from the durability and security embedded in AWS Cloud storage services.

* Optimized transfers

Compression, encryption, and bandwidth management are built in.

* Scalable

Enjoy an easy on-ramp to the cloud and continue supporting your on-premises applications while only paying for what you use.

* Storage Gateway types
* AWS Storage Gateway gives your applications on-premises and in-cloud access to virtually unlimited cloud storage.
* You can deploy Storage Gateway as a virtual machine (VM) within your VMware, Hyper-V, or Linux KVM virtual environment, or as an Amazon EC2 instance within your Amazon Virtual Private Cloud (Amazon VPC).
* Amazon S3 File Gateway
* S3 File Gateway presents Server Message Block (SMB) or Network File System (NFS) based access to data in Amazon S3.
* With S3 File Gateway you can build data workflows to feed your data lake, archive cold data such as images and videos, and backup databases such as Microsoft SQL, Oracle, and SAP - all into S3.
* Tape Gateway
* Tape Gateway presents virtual tapes to leading to backup applications that you can store in Amazon S3 or Amazon S3 Glacier
* Tape Gateway enables you to replace using physical tapes on premises with virtual tapes in AWS without changing existing backup workflows.
* Tape Gateway supports all leading backup applications and caches virtual tapes on premises for low-latency data access
* Volume Gateway
* Volume Gateway presents iSCSI block storage volumes to your on-premises applications that you can store in Amazon S3 or migrate to Amazon EBS
* You can use Volume Gateway in conjunction with Windows and Linux servers on premises to provide scalable storage for on-premises applications with cloud recovery options.
* With a cached volume architecture, you get the benefit of scalable cloud storage and data protection for growing datasets that demand low latency local access for frequently used data.