Microsoft Azure - Storsimple
high level architectural overview

On-Premises DC or Service Provider DC

VPN Gateway

internet

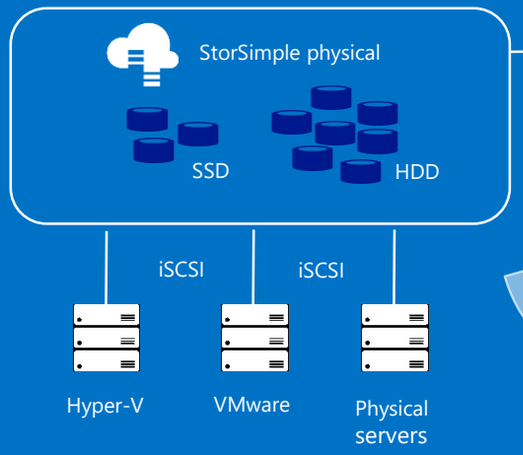
Microsoft Azure

VPN Gateway

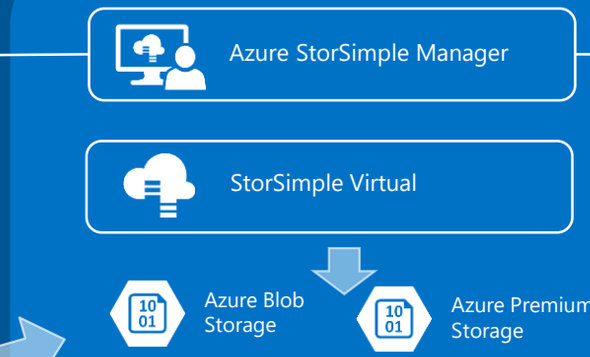
internet

Branches

AES-256-encryption during transport to Azure



- On-premises enterprise SAN that interoperates with Windows Azure to provide hybrid cloud storage for primary, backup, archive, and disaster recovery needs
- Tiering (Azure storage) and Local Volume (support workloads with high input-output needs)
- Cloud Snapshots: location-independent instant recovery intelligently only downloads data needed by applications for fast RTOs
- iSCSI support for Hyper-V, VMware, Linux, Windows
- SMB (file server)
- Up till 500 TB per array (incl cloud storage)

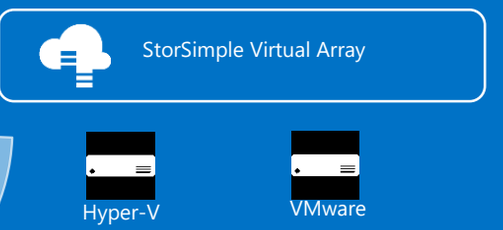


StorSimple Virtual is a single instance VM in Azure.

Use cases:

- Storsimple allows customers to access data backed up in Azure and make it available to cloud-based applications for dev and test scenarios or analyzing data without impact on production workloads.
- supports disaster recovery scenarios in which your physical device is not available, and is appropriate for use in cloud dev and test scenarios.
- deploy workloads using the previously on-premises data and migrate some virtual machines up into Azure that you previously ran on-premises

Support for Azure Premium Storage via solid-state disks for the "local storage tier".



The StorSimple on-premises virtual device can be installed on Hyper-V and VMware environments.

Characteristics:

- File Server (NAS)
- iSCSI server (SAN) for mounting on host servers for applications and users.

It's initially being targeted for file sharing, for information worker and collaboration scenarios, and for small database workloads using a combination of local and tiered volumes. It can be managed from the StorSimple Manager service in the Azure portal.

The virtual array, configured as a file server, provides ability for users to restore their files from recent backups using a self-service model.

The on-premises StorSimple Virtual Array is billed against the same meters as the StorSimple 8000 Series, the StorSimple meter, and the Azure Blob Storage meter.

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