

SAP solutions for Google Cloud

The challenge

SAP components are inherently highly networked, and the underlying data and storage architecture is powerful but also very demanding.

The opportunity

NetApp makes the move to SAP on Google Cloud easier and faster. Get the performance needed for SAP applications and take advantage of superior features built into the service to efficiently protect and manage SAP environments.

Top reasons to use NetApp for SAP



Shrink deployment times by as much as 40% and accelerate SAP migrations.*



Worry-free deployment enabled by dynamic selection of service levels.



Make running SAP in the cloud a reality with

sub-millisecond latency, high IOPs and high



Dramatically reduce complexity and management overhead for shared files.

Accelerate protection and application

throughput storage



development/testing with NetApp Snapshot™ and cloning technology.

Accelerate SAP projects with NetApp



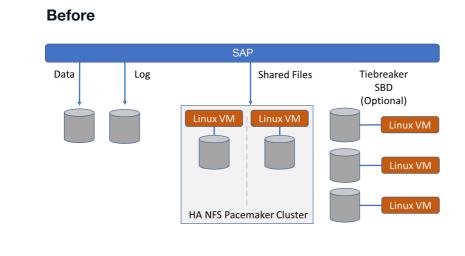
A data fabric powered by NetApp solutions and NetApp ONTAP® data management combine to let you migrate, add new modules, or handle other development tasks on Google Cloud—without taking down your production environment. NetApp architecture also makes it easy to generate multiple SAP test environments using storage-based cloning, and to scale your storage infrastructure without rethinking your data management architecture.

Google

Where NetApp adds value

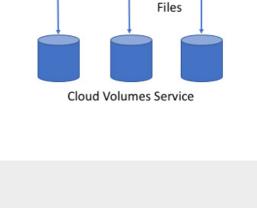
	Use case	NetApp benefits	Cloud
Production	SAP production Storage for production SAP DBs, and anyDB. NetApp Cloud Volumes performance service tier is ideal for use with SAP in Google Cloud.	File Storage simplifies storage deployment and management compared to block storage. NetApp offers shared file storage offerings that are well-suited for critical SAP workloads.	Cloud Volumes Service
	Shared files File Storage simplifies storage deployment and management compared to block storage.	Eliminate HA-NFS software clustering by introducing high-availability (HA) shared file storage in place of complicated persistent disk or block storage.	Cloud Volumes Service Cloud Volumes ONTAP
Secondary	Dev/Test Rapidly create development sandboxes and parallel QA environments.	Snapshot and cloning features improve development/testing workflows, resulting in accelerated development and QA testing. Bring applications to market more quickly with higher quality and with less risk.	Cloud Volumes Service Cloud Volumes ONTAP
	Disaster recovery Protect on-premises data or replicate between clouds.	Efficient, secure data replication from on-premises environments to the cloud— or replication between cloud regions— reduces risk of downtime or data loss.	Cloud Volumes ONTAP
Why NetApp Cloud Volumes for SAP			

	Native block disk	NetApp
Performance	Performance is based on configured disk – difficult to change configuration once deployed	Dynamically choose from three performance tiers
Availability	Requires clustered OS with presistent disk.	Each volume is highly available by design
Cost	May offer lowest capacity cost, but requires user management	Three SLA tiers provide cost flexibility
Scalability	Capacity expansion requires manual effort. Capacity contraction requires service interruption.	Dynamically scale capacity and performance up or down
Ease of use	Configuration, updates, and capacity expansion are manual processes.	Fully managed file service (PaaS) removes management overhead
Data management	No advanced functionality.	Space efficient snapshots and cloning



Data

After



Log

Shared

Cardinal Health moves SAP to the cloud

"Google Cloud and NetApp Cloud Volumes helped us move high performance file workloads that we thought would take months or years to refactor."

