

SAP solutions for Google Cloud

The challenge

Businesses are faced with a complex and potentially costly move to HANA as SAP begins winding down support for SAP R/3 on anyDB in 2027.

The opportunity

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

Top reasons to use NetApp for SAP

- 01 Shrink deployment times by as much as 40% and accelerate SAP migrations.
- 02 Worry free deployment enabled by dynamic selection of service levels.
- 03 Make running HANA in the cloud a reality with sub-millisecond latency, high IOPs and high throughput storage.
- 04 Dramatically reduce complexity and management overhead for shared files.
- 05 Accelerate protection and application development/testing with NetApp Snapshot™ and cloning technology.

NetApp is the storage foundation for HANA Enterprise Cloud (HEC)



“NetApp helps us because the easier it is to deploy software, the faster it is for the customer to get their business processes activated.”

— Lalit Patil, Chief Technology Officer, SAP HANA Enterprise Cloud

Source: NetApp, SAP Customers Are Getting to Market Faster with Cloud Volumes for Google Cloud.



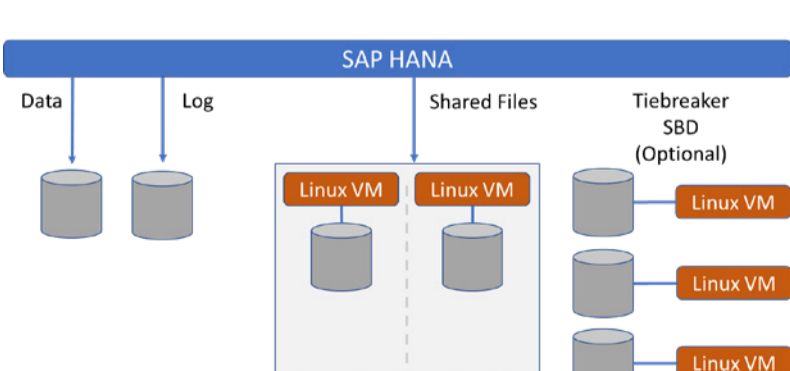
Where NetApp adds value

	Use case	NetApp benefits	Google Cloud
Production	SAP production Storage for production SAP DBs, HANA and anyDB. NetApp Cloud Volumes performance service tier is certified for use with HANA in Google Cloud.	File Storage simplifies storage deployment and management compared to block storage. NetApp offers shared file storage offerings certified for use with SAP HANA.	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

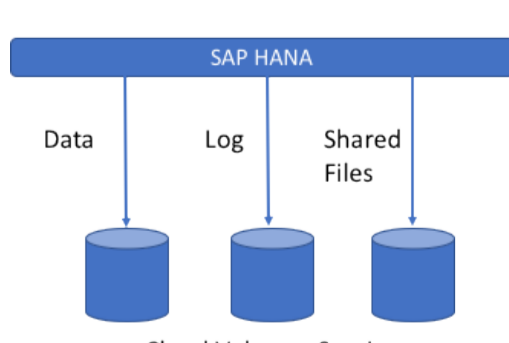
Only NetApp offers

	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 persistent 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.
Certified	GCP Instances are certified for SAP HANA.	CVS service type CVS-Performance certified for use with SAP HANA.

Before



After



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.”

— VP Cloud Services, Cardinal Health

