Choosing the Right Hardware Platform to Virtualize SAP HANA

The SAP HANA system setup needs to be done on SAP HANA and VMware vSphere certified hardware, and successfully verified with the SAP HANA hardware configuration check tool to be supported by SAP and VMware.

VMware Hardware Compatibility Guide
SAP HANA Certified Hardware Directory
SAP HANA Hardware Configuration Check Tool

Running on Shared Storage

The SAP HANA Tailored Data Center Integration (TDI) option allows customers to use certain components of their existing hardware and infrastructure instead of using the corresponding components that are delivered with an SAP HANA appliance.

Leveraging SAP HANA TDI to deploy SAP HANA on shared storage in customer environments is the preferred deployment model to enable features like vSphere HA, vMotion, DRS, and VMware vSphere Fault Tolerance.

Overview—SAP HANA TDI

Optimizing Performance

VMware and SAP have jointly tested SAP HANA running on vSphere and have ensured that performance will meet the most demanding of customer scenarios. The corresponding Best Practices Guide for Deployments of SAP HANA on VMware vSphere 6 will be made available shortly after the GA announcement on www.vmware.com.

The following document outlines the different considerations that vSphere and network administrators must take into account when designing the network with VMware vSphere Distributed Switch™. It also discusses standard best practices for configuring vSphere Distributed Switch features.

VMware vSphere Distributed Switch Best Practices

This paper provides data on performance and system resource utilization at various load levels for different types of workloads so you can select the appropriate disk access method for your application.

Performance Characterization of VMware Virtual Machine File System (VMFS) and raw device mapping (RDM) Using a SAN...
Configuring Availability for SAP HANA

Running SAP HANA on vCloud Suite ensures high availability for SAP HANA with capabilities like VMware vSphere vMotion®, VMware vSphere High Availability, and VMware vCenter™ Site Recovery Manager™ that support a broad range of recovery scenarios from planned and unplanned downtime due to various infrastructure faults, to disasters that can decommission an entire site. Learn more from these best practices resources.

- vSphere vMotion Best Practices document
- vSphere Availability Best Practices
- VMware vSphere 6 Fault Tolerance

Learn More

To learn more about SAP HANA running on VMware virtual infrastructures please visit [www.vmware.com/go/sap-hana](http://www.vmware.com/go/sap-hana) or call your VMware representative.