Bring the Efficiency, Scalability, and Availability of Web-Scale to SAP Environments
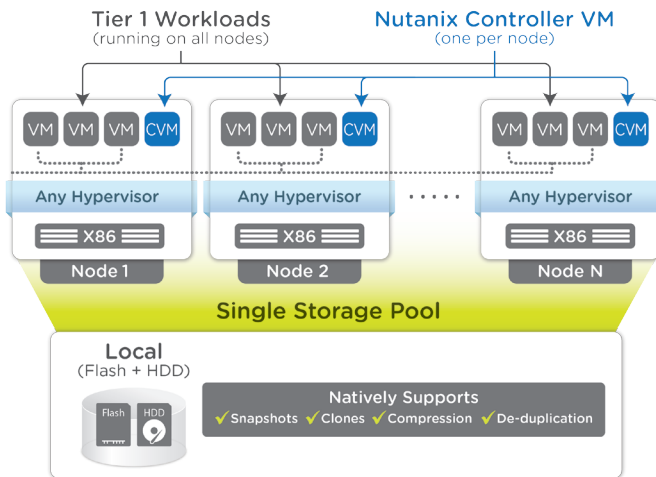
SAP NetWeaver is the ideal candidate for virtualization and migration to a private cloud environment with clear benefits, such as ability to handle rapid performance and data growth, consolidation of datacenter footprint, and predictable licensing costs. However the move to virtualization requires the right server and storage architecture — without compromising performance and availability service levels.

For virtualized deployments, server and storage infrastructure must deliver on the performance and availability needs of SAP NetWeaver, including corresponding application, reporting and, database servers, while remaining simple to deploy, manage, and scale.

Power of Hyperconvergence and Web-Scale

Whether upgrading existing infrastructure or deploying new environments, Nutanix hyperconverged infrastructure is the ideal solution for virtualized SAP and associated database deployments. It provides the ability to:

- Consolidate all SAP applications, databases, and VMs onto a single, hyperconverged platform with excellent performance typical of deployments with local database storage;

- Remove the complexity and reduce the costs of traditional storage, without giving up the availability, scalability, and manageability of shared architectures;

- Eliminate planned downtime and protect against unplanned issues for continuous availability of critical applications and databases; and

- Keep pace with rapidly growing business needs, without the upfront investments or disruptive fork list upgrades.

Highly Distributed Nutanix Architecture

Performance with Simplicity

Nutanix brings the benefits and economics of web-scale technologies to enterprise workloads including SAP, through its Nutanix Distributed Storage Fabric (DSF). This 100% software-defined approach works with VMware vSphere, Microsoft Hyper-V, and Acropolis Hypervisor; takes less than a day to deploy; and delivers low-latency performance for any virtualized SAP application workload. There is no need to deal with the complexity of managing separate storage systems with the burdensome tasks of provisioning LUNs, storage networking, and data placement in storage.

For high performance, the Nutanix platform serves active data associated with local application and databases VMs from local SSDs and intelligently tiers colder data

Key Benefits

Run SAP NetWeaver, associated applications, and critical databases on a single hyperconverged Nutanix platform and benefit from:

- **Higher performance and scalability:** Start small and scale business applications, databases, and infrastructure as needs grow, enabling rapid application provisioning and software as a service — without the concessions of traditional infrastructure.

- **Improved availability:** Keep SAP application servers and databases protected and running with frequent, VM-centric, easy-to-restore backups and affordable, simple disaster recovery.

- **Faster deployment and reduced operational complexity**: Get up and running in a fraction of the time it takes with 3-tier infrastructure and reduce overhead using simple, yet powerful management and APIs, and unprecedented performance insight.

- **Deploy with confidence:** Nutanix XCP is a certified solution for NetWeaver, the first hyperconverged infrastructure on the certified hardware list. Additionally customers get a seamless support experience from SAP and Nutanix.

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across remote SSDs, local HDDs, and remote HDDs. This strategy eliminates performance related overprovisioning with the right combination of high random read/write I/O and sequential. Additional optimization is done via features such as thin provisioning, deduplication, and compression, increasing the effective capacity to accommodate larger amounts of active data.

Growing an environment with the patented Nutanix architecture is as simple as adding additional nodes to the existing system. This process takes just minutes and results in linear scaling of performance and capacity without any downtime or complex management.

Nutanix Prism also simplifies management by delivering infrastructure and VM information for one or multiple systems at a glance, including resource utilization and correlated VM/storage performance.

Enhanced Protection and Availability

For backup and archiving, months and years worth of space-efficient snapshots can be stored locally or on a secondary system, eliminating the need for external backup systems. Nutanix also helps accelerate time to production, improve software quality, and speed up reporting. With Nutanix, administrators and DBAs can create and run full functioning copies of SAP and database environments in minutes using VM-level cloning on the same or separate Nutanix system. This gives team members their own high performance environments for testing, development, quality assurance, reporting, or training.

Replicate
virtual discs
efficiently over
the WAN

Deploy with Confidence

Deploy in production with confidence knowing that Nutanix XCP is a certified and fully supported solution for NetWeaver. The Nutanix XCP is the first ever hyperconverged infrastructure on the SAP NetWeaver supported hardware list. Nutanix and SAP have a collaborative technical support agreement that gives our joint customers a seamless support experience, from setup to operations to optimizing the application stack.

Partner for Success

Nutanix is committed to customers' success. In addition to delivering the industry's leading hyperconverged infrastructure as recognized by IDC and Gartner, Nutanix offers a wide range of services, including application deployment, disaster recovery design, as well as custom services tailored to customers' needs.

Contact your Nutanix representative or authorized reseller for more information and continue the conversation on the Nutanix Next online community (next.nutanix.com).

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About Nutanix

Nutanix delivers invisible infrastructure for next-generation enterprise computing, elevating IT to focus on the applications and services that power their business. The company's software-driven Xtreme Computing Platform natively converges compute, virtualisation and storage into a single solution to drive simplicity in the datacentre. Using Nutanix, customers benefit from predictable performance, linear scalability and cloud-like infrastructure consumption. Learn more at www.nutanix.com or follow up on Twitter @nutanix.

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