Nutanix Solutions for Microsoft Exchange

Bringing High Performance and Predictable Scalability to Your MS Exchange Deployments

Email has become one of the fastest growing critical workloads in today's information rich organizations. Microsoft Exchange deployments are now considered to be mission critical, requiring careful planning, deployment, and management to ensure high performance, availability, and easy scalability.

The Nutanix hyper-converged infrastructure combines storage and compute resources into a single, integrated appliance to overcome the many challenges of legacy shared storage architectures, including overprovisioning. It provides all of the manageability benefits of centralized storage and delivers high performance by keeping data local to server resources – aligning with Microsoft's guidance for low latency and predictable storage performance.
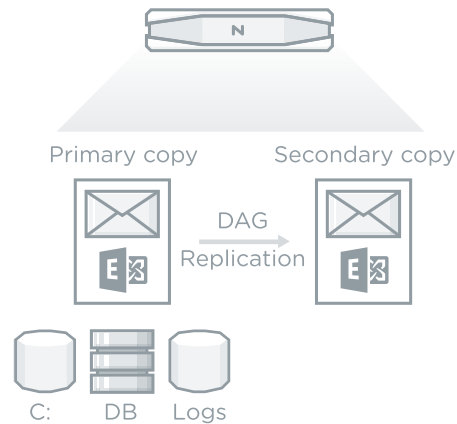
With Nutanix hyper-converged infrastructure and web-scale technology, IT managers can finally deliver highly scalable and responsive Microsoft Exchange services with large mailboxes – without the excessive costs and complexity of traditional shared SAN and NAS storage systems.

Five Reasons Why Nutanix Is the Ideal Platform for MS Exchange

Nutanix simplifies datacenter infrastructure by integrating all server and storage resources into a turnkey hyper-converged platform. The Nutanix platform:

1

Eliminates the Need for Dedicated Resources.

The Nutanix hyper-converged platform removes the complexities of managing separate storage, server, and networking environments. With Nutanix, your Exchange installations can co-exist with other enterprise applications in the same environment, resulting in superior resource utilization. Nutanix eliminates the need to overprovision isolated silos of storage, delivering the predictable, consistent performance and faster time-to-value your organization needs.

2

Radically Simplifies Deployment of Virtualized Environments.

You can quickly and easily spin up Nutanix systems in less than a day without complex storage or network planning. Nutanix's architecture provides the many benefits web-scale technologies bring to enterprise virtualization environments, including live VM migration, high availability (HA), distributed resource scheduling (DRS), and fault tolerance.

3

Keeps Microsoft Available and Running.

The Nutanix platform delivers the flexibility needed to deploy and manage MS Exchange deployments in both Database Availability Groups (DAG) configurations, as well as in traditional non-HA Exchange deployments. The Nutanix architecture provides enterprise levels of resiliency – starting with the data (tunable redundancy and integrity checks), to the nodes (non-disruptive upgrades and data path redundancy), to VM-level (snapshots and metro-availability) – improving disaster recovery and ensuring business continuity across your IT environment.

4

Delivers Predictable Performance and Scalability.

The Nutanix web-scale architecture scales performance and capacity separately within each node and intelligently places data to deliver consistent performance. Data is tiered across local and remote SSDs and HDDs for reduced latency and faster delivery of Exchange data. Nutanix de-duplicates data in the performance tier, enabling larger working sets and greater mailbox density. Auto-discovery and quick addition of new Nutanix nodes enables non-disruptive scaling of Exchange deployments, providing a cost-effective, pay-as-you grow model.

5

Provides Hypervisor Choice.

Nutanix is hypervisor-agnostic, enabling you to deploy your choice of Microsoft Hyper-V, VMware ESXi, or KVM hypervisors. When virtualizing MS Exchange deployments on Nutanix, your IT organization will benefit from the same enterprise-class storage features across all hypervisors, including intelligent tiering, thin provisioning, snapshots, fast clones, compression, and de-duplication.

Thousands of mailboxes / 2 rack units

Primary copy   Secondary copy

DAG
Replication

C: DB   Logs

Support all Exchange roles on a single platform and scale as needs grow.

For more information on how your Organization can leverage Nutanix hyper-converged infrastructure with MS Exchange, contact us at www.nutanix.com or follow up on twitter @nutanix.

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About Nutanix

Nutanix delivers web-scale IT infrastructure to medium and large enterprises with its software-driven Virtual Computing Platform, which natively converges compute and storage into a single solution to drive unprecedented simplicity of the datacenter. Customers can start with a few servers and scale to thousands, with fully predictable performance and economics. With a patented elastic data fabric and consumer-grade management, Nutanix is the blueprint for application-optimized infrastructure. Learn more at www.nutanix.com or follow us on Twitter @nutanix.

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