

Accelerate the Journey to VDI with Web-Scale Infrastructure

Desktop and application virtualization have emerged as powerful tools, enabling IT to address a variety of challenges and trends. These include growing end-user support costs, servicing remote and branch office users, improving information and application security, and tackling initiatives such as BYOD and teleworking. Successful deployments of desktop and application virtualization always start with choosing the right solution from the right partners.

Whether you are planning to deploy hosted shared or virtual desktops, or virtualize your end-user applications, Nutanix can help you succeed. Using the award-winning Virtual Computing Platform and VMware Horizon suite, you can deliver an excellent experience for a diverse mix of users spread across different locations, even at scale.

Start Small and Scale Smart

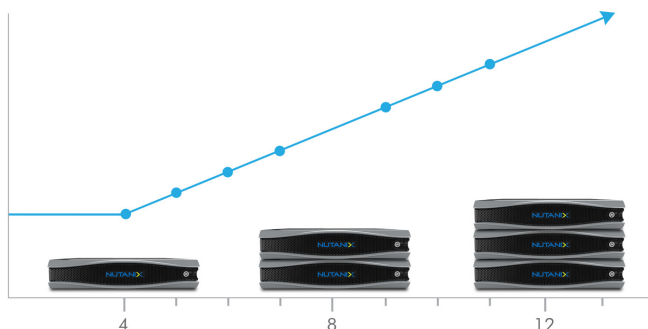
Getting started with Nutanix and VMware is fast and easy. The Nutanix Virtual Computing Platform running VMware Horizon View can be up and serving desktops in a fraction of the time it takes with traditional SANs. Once deployed, you can easily and non-disruptively scale compute and storage infrastructure because of the patented Nutanix Distributed File System (NDFS).

With Nutanix and VMware, you can start small with initial deployments for one hundred end users or less, and linearly scale to tens of thousands of users without any upfront costs, additional performance overhead, or complex management. This removes a major hurdle facing most VDI projects today—taking desktop and application virtualization from the limited pilot deployments for a select few users to production, where it is expected to handle up to a thousand times more users, while maintaining an excellent user experience.

You can also take advantage of VCAI integration with Nutanix VMCaliber clones to offload the creation of VMware linked clones of your golden desktop image. As a result, you will be able to quickly deploy hundreds to thousands of desktops using only a portion storage capacity of full desktops. Over time the highly distributed Nutanix MapReduce deduplication continues to maintain high storage efficiency of end-user desktops, without impacting the user experience.

Excellent Performance through Hyper-convergence

By converging storage and computing in a highly distributed architecture, the Virtual Computing Platform eliminates the restrictions of traditional storage infrastructure. It delivers storage and compute performance and capacity for both persistent and non-persistent desktops required by VMware Horizon View. The Virtual Computing Platform is able to deliver the performance VDI needs using local flash SSDs and the capacity users need with the entire Nutanix system. So you will be able to handle the needs of even the most demanding end users and deliver a consistent user experience for all your end users through common events such as boot and login storms, patch/update operations, and application and OS upgrades.



Key Benefits

Accelerate the journey to application and desktop virtualization with Nutanix and VMware:

- Start small without the upfront costs and scale only as needed
- Ensure success with low risk using user-based sizing and validated designs
- Deliver an excellent user experience, regardless of scale or deployment type
- Lower acquisition and ongoing costs for all end users

Customers



NDFS also removes the need to deploy VDI on its own separate infrastructure. Because of its shared-nothing approach you can not only support different types of users on a single platform, but also run critical virtualized workloads such as databases on the same system. This is demonstrated in the validated reference architecture published by Nutanix, where end-user desktops are supported on the same system running infrastructure services and applications such as Microsoft SQL Server. The reference architecture for VMware Horizon also demonstrates excellent user density, which in turn results in significantly lower datacenter power, space and cooling costs.

Keep VDI Available and Optimized

End-user desktops hosted on Nutanix systems are always up and running because the Virtual Computing Platform has no single point of failure. The system also constantly monitors and reports back on any potential issues, so they can be addressed before they happen. The Nutanix software-defined architecture and shared-nothing approach eliminates planned downtime with non-disruptive software updates and modular, simple capacity upgrades. You don't need take the system down or even incur a performance penalty for planned management activities.

The Nutanix Prism management framework saves you hundreds of hours on administrative tasks by eliminating the need to manage storage objects such as LUNs and constantly tuning storage. You also benefit from simple troubleshooting using deep VM and infrastructure insight, and real-time analysis of system parameters.

These features complement Nutanix VMCaliber snapshots and replication through NDFS for instant backups and fast restores – ideal for protecting golden images and user data. The result is less end user disruption and fewer calls to the helpdesk. In addition, the Nutanix Time Stream functionality can efficiently send data to a remote location for true disaster recovery.

Put End Users First

Nutanix is committed to making your VDI project a success. By working closely with VMware to create a validated solution for Horizon View and introducing industry firsts such as end-user focused VDI infrastructure bundles, Nutanix is taking the guesswork and risk out of VDI. This enables you to put your end users first.

For more information about our VDI solutions for VMware Horizon, including services to help you assess, plan, and deploy VDI, visit www.nutanix.com/vmware or contact an authorized reseller.



“The concept of a scale-out cluster with shared storage from Nutanix gives you the best of both worlds. It has the advantage of expandability without a SAN. It simplifies the datacenter rack. If I want to add another set of desktops, it's no problem because I don't have to go into the SAN and re-engineer it. I get everything all at once, rather than having to pick and choose from multiple vendors.”

- Jason Walker
Network Engineer, Imperial PFS



“Nutanix is where I see datacenter infrastructure is going. Bringing storage up to the compute layer to deliver increased performance at reduced costs.”

- Rudy Dellafiore
Senior Director of IT Operations,
Vitacost.com



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About Nutanix

Nutanix provides datacenter infrastructure solutions that are hyper-efficient, massively scalable and elegantly simple. The award-winning Nutanix Virtual Computing Platform has disrupted the market by seamlessly and natively converging compute and storage in a single appliance. Headquartered in San Jose, Calif. with offices and authorized solution providers throughout the world, Nutanix is privately held and backed by top-tier VC firms. For more information, visit www.nutanix.com.