



Nutanix Complete Cluster

Enabling Software-Defined Data Centers



- ▶ Converged [Compute + Storage] building block installs in 30 minutes
- ▶ Server-attached Flash delivers high performance
- ▶ 40-60% CAPEX savings over traditional architectures by eliminating the SAN
- ▶ Nutanix enterprise-features including high availability, capacity optimization, business technical resiliency & more

The Nutanix Approach

Designed with a focus on simplicity

Nutanix Complete Cluster merges commodity storage and servers into a radically simple building block for your virtualized datacenter. This converged virtualization platform made possible with the Nfinity OS is designed to both run and store VMs with enterprise class data management features offering 5-10x the price/performance of traditional server + SAN approaches.

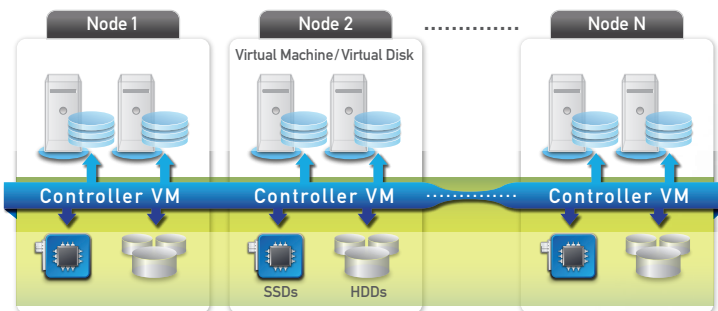
Software-Defined Architecture

Nutanix Distributed File System (NDFS) is at the heart of the Nutanix clustering technology. Inspired by the Google File System, NDFS delivers a unified pool of storage from all nodes across the cluster, leveraging techniques including striping, replication, auto-tiering, error detection, fail over and automatic recovery.

This pool can then be sliced and diced to be presented as shared storage resources to VMs for seamless support of features like vMotion, HA and DRS, along with industry-leading data management features. Additional nodes can be added in a plug-and-play manner in this high-performance scale-out architecture to build a cluster that will easily grow as your needs do.

Performance that scales with your business

Nutanix Complete Cluster ships as a 2U rackable unit containing 4 independent server nodes with local storage to run and store virtual machines. Server-attached Flash combined with heat-optimized tiering delivers SSD performance at the cost of hard drives. Performance continues to scale linearly as you add additional blocks offering flexibility to grow as you go.



Nutanix Complete Cluster Product Specs



NX-2000 Series

	Single Node (4 Nodes per Block)	Complete Block
Compute	Dual Intel Xeon X5650 processors	8 Intel Xeon X5650 processors, 48 cores
Storage Capacity	400 GB PCI-e card 300 GB SATA SSD 5 TB of SATA HDDs (5x 1 TB; 7200 rpm SATA)	1.6 TB of PCI-e card 1.2 TB SATA SSDs 20 TB of SATA HDDs (20x 1 TB; 7200 rpm SATA)
Memory	Configuration options; 48 GB, 96 GB, or 192 GB	Configurable per Node; 192 GB, up to 768 GB per Block
Connectivity	1x 10 GbE, 2x 1 GbE 1x 10/100 BASE-T RJ45	4x 10 GbE, 8x 1 GbE 4x 10/100 BASE-T RJ45
# VMs	75	300



NX-3000 Series

	Single Node (4 Nodes per Block)	Complete Block
Compute	Dual Intel Sandy Bridge E5-2660 processors	8 Intel Sandy Bridge processors, 64 cores
Storage Capacity	400 GB PCI-e card 300 GB SATA SSD 5 TB of SATA HDDs (5x 1 TB; 7200 rpm SATA)	1.6 TB of PCI-e card 1.2 TB SATA SSDs 20 TB of SATA HDDs (20x 1 TB; 7200 rpm SATA)
Memory	Configuration options; 128 GB or 256 GB	Configurable per Node; 512 GB, up to 1 TB per Block
Connectivity	2x 10 GbE, 2x 1 GbE 1x 10/100 BASE-T RJ45	8x 10 GbE, 8x 1 GbE 4x 10/100 BASE-T RJ45
# VMs	100	400

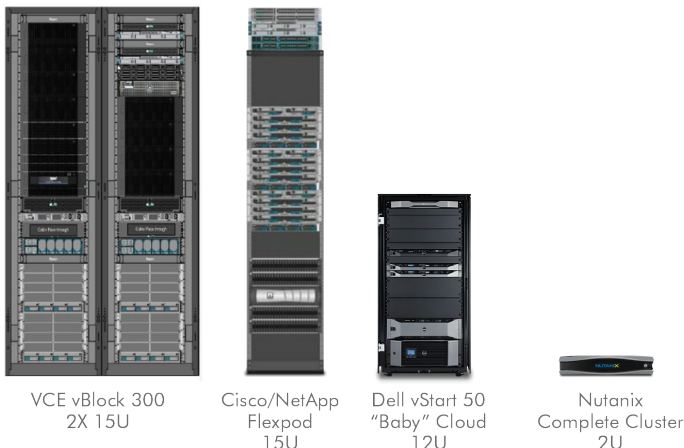
The Nutanix Technology

True Convergence

The Nutanix compute plus storage architecture brings data closer to virtual machines on each cluster node. This Google-like, scale-out approach, combined with Flash SSD integration into the core architecture delivers a truly optimized data center foot print.

Don't be duped by big infrastructure bundles that simply repackage existing server, storage and networking components without solving the inherent problems of pre-virtualization architectures.

Size Comparison

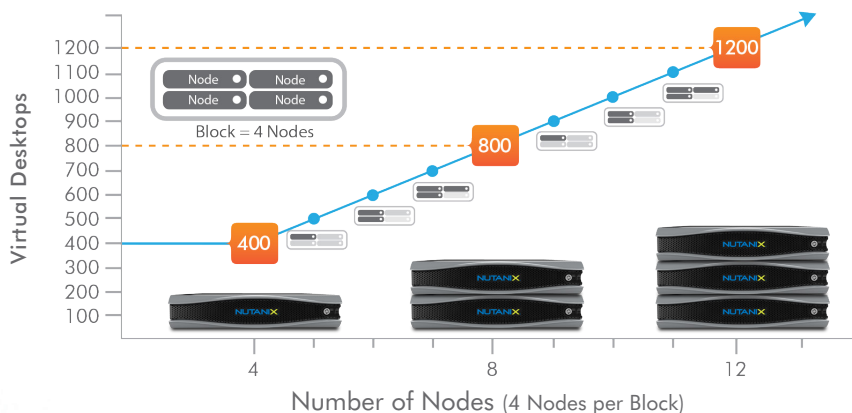


Predictable Scalability

Scale at the pace of your business – single node at a time

Evolve POC, pilot and production from the same starting Nutanix cluster. Add more nodes as more workloads are added to your virtual datacenter. Linearly scale performance and capacity one half U at a time (4 nodes = single 2U block) for zero-compromise growth that scales the way your business does.

True Linear Scale-out Performance



Solutions

Whether you're virtualizing server workloads in your core datacenter, looking for a DR alternative, or interested in virtualizing desktops, Nutanix Complete Cluster delivers a radically simple solution that's quick to deploy, easy to manage and delivers significantly better price/performance than alternatives.



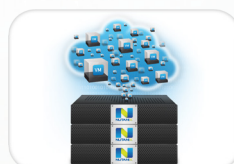
Big Data



Disaster Recovery



Desktop Virtualization



Private Cloud

Benefits at a Glance

Radically Simplified IT and Dramatically Lower TCO

- **Plug-and-Play Building Block:** Out-of-the-box compute and storage capabilities for industry standard hypervisors allow you to be up and running in 30 minutes. Scaling out is equally easy.
- **40-60% CAPEX Reduction:** Elimination of expensive network storage results in immediate 40-60% reduction in CAPEX, while providing highly advanced shared-storage capabilities.
- **Top-Down VM Management:** Clear visibility across compute and storage resources streamlines management tasks for ongoing OPEX savings.
- **Reduced Datacenter Footprint:** Shrinking to a smaller, more efficient converged architecture for server and storage translates to measurable OPEX reduction in recurring admin power and cooling costs.

Enterprise Class Data Management

- **Capacity Optimization:** Zero-overhead cloning and thin provisioning along with in-line and off-line compression provide 10x-50x data reduction.
- **Converged Backups:** Instant backup and recovery of VM data on the cluster without requiring external backup appliance.
- **Business Resiliency:** Highly fault tolerant architecture designed for VM high availability in case of local failures or site-wide disaster.
- **Performance:** Local solid-state drives (SSDs), with data tiering to hard disks, provides SSD performance at the cost of hard drives.
- **Scalability:** Scale-out architecture removes the complexity of re-architecting future deployments, enabling grow-as-you-go virtualization that delivers long-term investment protection.

Next Steps

- Visit www.nutanix.com for more information.
- Follow us [@nutanix](https://twitter.com/nutanix)
- Email learnmore@nutanix.com to find out how to get started today.

