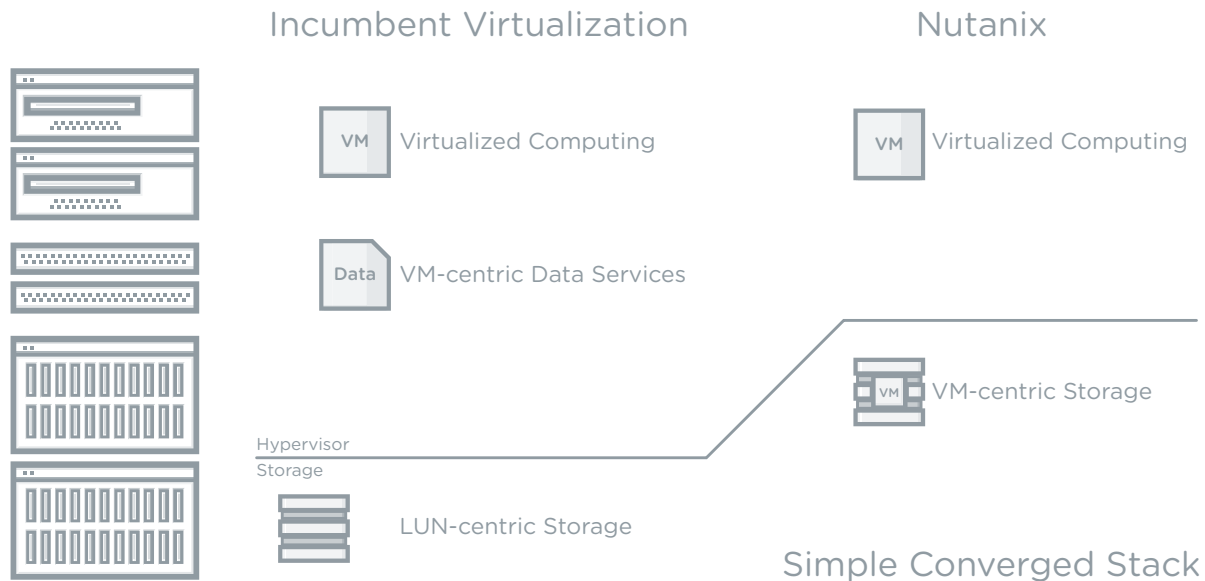


# Nutanix Virtualization

Nutanix Acropolis is a turnkey infrastructure platform delivering enterprise-class storage, compute and virtualization services for any application. As a fully integrated IT solution, it eliminates the cost and complexity of legacy datacenter products that are individually deployed and separately managed. For maximum flexibility, enterprise professionals have the choice of using VMware vSphere®, Microsoft Hyper-V® or the built-in virtualization capabilities of Acropolis to run their applications on Nutanix.

Acropolis includes its own natively integrated hypervisor - the Acropolis Hypervisor (AHV) - which is built on proven open-source KVM technology and security hardened. The platform also incorporates the Acropolis App Mobility Fabric (AMF) - a highly available and scalable management layer enabling easy workload migration between hypervisors and different runtime environments.

Together, AHV and AMF decouple applications from the underlying infrastructure, delivering enterprise IT the flexibility and choice to choose runtime environments best for their applications and services. Acropolis works with Nutanix Prism to give administrators consumer-grade simplicity in managing their entire virtual environment.



## Why Nutanix for Virtualization?

- Built in virtualization and integrated management that is simple to deploy, scale and support
- Rich ecosystem of applications and operating systems tested and certified to run on AHV, including Microsoft Windows Server, Exchange, SharePoint, SQL server, Citrix XenApp and XenDesktop
- Lowers the cost of virtualization and delivers faster time to value compared to incumbent virtualization solutions
- Built with modern web-scale technologies and architectures for high availability and unparalleled scalability
- Comprehensive security incorporated into every step of the product lifecycle from development to deployment and operation
- Infrastructure stack backed by best-in-class support from Nutanix

## Rich ecosystem

A large community of technology leaders recognize the need to drive down datacenter cost and complexity. Nutanix and its ecosystem partners have completed extensive testing to ensure that applications and guest operating systems run on Nutanix Acropolis with high performance and no change to VMs.

### Applications & Operating Systems

Microsoft Windows Server, SharePoint, Exchange, SQL Server, Lync, Dynamics, Citrix NetScaler VPX, XenApp, XenDesktop, AppSense, Ubuntu Linux, CentOS Linux, SUSE Linux

### Technology Integration

ScienceLogic, f5, SilverPeak, Juniper Networks, Array Networks, Sureline Systems, Illumio, Systancia, Avaya, Vormetric, Cumulus Networks



## Virtual Machine Management

### VM Operations

Create, delete, update, power, pause/resume, snapshot, clone VMs, access via remote console

### Image Management

Convert and upload disk / ISO images to a Nutanix cluster

### Resource Scheduling

Determine initial placement of virtual machines based on CPU and memory availability

### Live Migration

Migrate VMs across hosts in a Nutanix cluster with zero downtime

### Cross-Hypervisor Migration

Migrate VMs between virtual environments running different hypervisors easily

### Automated HA

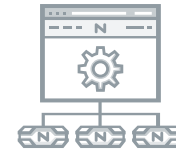
Automatically restart VMs on healthy nodes in case of a node failure

### Converged Backup/DR

Create on-cluster local snapshots and/or replicate to remote cluster for backup and DR

### Analytics

Monitor and report key metrics for both VMs and the infrastructure (hypervisor, physical nodes)



## Hypervisor Management

### Host Profiles

Standardize configuration of hosts within a cluster based on user-provided information, including network configuration, credentials, NTP settings, etc.

### Storage Configuration

Automatically configure storage on all hypervisor nodes when creating a Nutanix cluster

### Virtual Networking

Setup and configure layer-2 VLAN backed virtual networks that span a cluster. Use optional in-built IP management to dynamically assign static IP addresses to VMs

### Rolling Upgrades

Non-disruptively upgrade NOS, hypervisor and firmware in a Nutanix cluster

### Host Maintenance Mode

Put hosts into maintenance mode for planned upgrades and host removals

### Scaling

Easily add and remove nodes and configure the hypervisor in minutes

### Next Steps

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