Nutanix on Cisco UCS Servers Nutanix Brings Enterprise Cloud Capability to Cisco UCS

Cisco UCS Seamlessly Folds into Nutanix Hyperconverged Infrastructure

USE CASES

Enterprise Applications
Deploy and scale your critical workloads, such as Microsoft SQL, Oracle and SAP business applications

Messaging, Collaboration and UC
Proven deployments for Microsoft Exchange, collaboration tools such as SharePoint and major UC vendors, including Avaya, Cisco, and Microsoft

Virtual Desktop Infrastructure
Make VDI as success by delivering excellent user performance and scalability without burdensome operational and high capital costs

Big Data Analytics
Applications linearly scale as your needs grow, enabling a pay-as-you-grow model for scaling without over-provisioning compute or storage

Cloud
Deliver an efficient private and hybrid cloud with VMware, Microsoft or OpenStack based solutions

Data Protection
Full remote replication plus back up VMs and data to your local systems, to a remote site or the cloud

Development & Test
Engineering and QA get their own efficient, high-performance VMs with access to private copies of production databases and data

Cisco UCS® customers can gain immediate access to the full breadth of the Nutanix Enterprise Cloud capabilities Platform, including multiple hypervisor support, advanced data optimization, web-scale design including scale-out storage services, predictive capacity planning, one-click software upgrades and more.

Driven by strong demand, Nutanix Acropolis and Prism has been extensively tested and proven on multiple Cisco UCS C-Series rack-mount servers to run business-critical applications at scale. Deployment on UCS hardware is fully supported by Nutanix global support and services teams throughout the entire IT lifecycle, including initial installation, infrastructure scaling and troubleshooting.

SOLUTION BENEFITS

IT Efficiency: Improve IT utilization and reduce costs by consolidating application infrastructure silos.

Decreases footprint: Converges compute, storage, and virtualization, eliminates separate storage systems, and reduces power, space, and cooling.

Accelerates deployment and simplifies management: Installed in less than a few hours and manageable by IT generalists, the solution is ideal in environments where IT expertise is limited.

Scales to meet growing demands: Additional storage capacity and compute can be added quickly with predictable results.

Provides the highest availability: Infrastructure self-heals from drive and server failures—critical for environments where service may be delayed. Software and firmware updates are simple and non-disruptive.

Delivers maximum security: Nutanix systems are certified across a broad set of evaluation programs to ensure compliance with the strictest standards.

Offer unparalleled performance and efficiency: Advanced Intel processors and dense flash storage, couple with Nutanix web-scale design deliver predictable performance for a wide-range of industry workloads including Financial Services, Healthcare, and more.

NUTANIX™
Your Enterprise Cloud Platform

NUTANIX ENTERPRISE CLOUD SOFTWARE ON CISCO UCS C-SERIES RACKMOUNT SERVERS

Available in Acropolis Pro and Ultimate Editions, versions AOS 4.6.2 or later.

Cisco UCS® C220-M4S Nodes	Cisco UCS® C240-M4L LFF Nodes	Cisco UCS® C240-M4SX SFF Nodes
1U Chassis	2U Chassis	2U Chassis
8 Drive Slots	12 Drive Slots	24 Drive Slots
24 DIMM Slots	24 DIMM Slots	24 DIMM Slots
Fabric Support: Standalone Mode, UCS Domain (Managed) Mode and UCS 6248/6296 Fabric Interconnects	Fabric Support: Standalone Mode, UCS Domain (Managed) Mode and UCS 6248/6296 Fabric Interconnects	Fabric Support: Standalone Mode, UCS Domain (Managed) Mode and UCS 6248/6296 Fabric Interconnects
Hypervisor Support: ESXi 5.5 & 6.0, AHV	Hypervisor Support: ESXi 5.5 & 6.0, Hyper-V, AHV	Hypervisor Support: ESXi 5.5 & 6.0, Hyper-V, AHV
Targeted Workloads: VDI, Middleware, Web Services	Targeted Workloads: Storage Heavy, Server Virtualization	Targeted Workloads: Enterprise Applications, Large Databases

Configurations need to comply with the Nutanix Hardware and Firmware Compatibility List (HFCL)

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NUTANIX
Your Enterprise Cloud Platform

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