Cisco UCS + NexentaVSA for View = Complete VDI Solution

Product Metrics

Product: Cisco UCS Platform

Model: Cisco UCS B230 M2

Server:
  Model: Cisco B230 M2
  CPU: Dual Intel Xeon E7-2870 Processor
  RAM: 512GB DDR3 1333MHz
    ECC Regestered per blade
  NIC: UCS M81KR Virtual Interface Card /
    PCle/2-Port 10Gb
  Storage: One Cisco C240 M3 supports up to
    two B230 M2 blade servers

Storage Product: NexentaVSA for View v2.0
Desktops: Number of desktops vary
    according to selected configuration
  Number: Up to 200 per blade
  Type: Dedicated / Linked Clone
  View Release Version: VMware View
    5.1.0 build 704644

About Cisco UCS + Nexenta

The Cisco UCS platform solution, with NexentaVSA for View, enables rapid virtual desktop deployment, improves scalability, and simplifies provisioning of storage for VDI.

Running with NexentaVSA for View software, the solution can deploy up to 1600 desktops in one UCS blade chassis and UCS C240s providing storage. Running on an all Cisco UCS platform, this solution provides comprehensive compute, networking, storage, and virtualization functionality.

This is the only VDI solution running entirely on a Cisco UCS platform.

Based on ZFS technology with inline compression and support for hybrid storage pools, customers now can provision the required performance (IOPS) for the desktops.

NexentaVSA for View greatly simplifies the lifecycle management of deploying, managing, and calibrating storage and VDI. It is based on a user friendly application, with a simple 'click to deploy' approach, creating synergy between the desktop, hypervisor, and storage never before achieved. It's as simple as that.

VMware Rapid Desktop Appliance Certified

Cisco's UCS platform (blade and rack) is VMware certified.
Nexenta is proud to be an active associate of the VMware Rapid Desktop Appliance Program. Nexenta's software only NexentaVSA has met the certification requirements of VMware:
• Nexenta has established and presently maintains membership in the VMware Technology Alliance Partner (TAP) program for Elite partner levels.
• Nexenta also has executed a Platform Extensibility Program Agreement (PEPA) and a Rapid Desktop Program Agreement, thereby fulfilling all the required testing and eligibility requirements of the program.
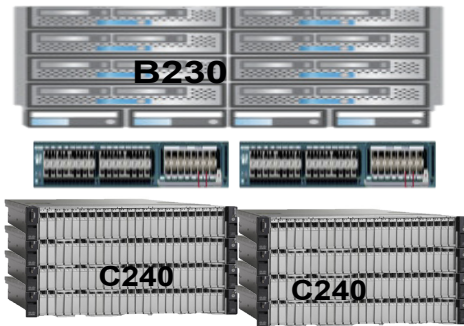
View Planner Certification Qualifiers

Each Windows XP desktop virtual machine requires a peak of about 100 IOPS of storage bandwidth while booting, and an average of about 10 IOPS while running the workload.

Each Windows 7 desktop virtual machine requires a peak of about 150 IOPS of storage bandwidth while booting, and an average of about 10 IOPS while running the workload. For more info, please visit: http://www.vmware.com/resources/compatibility/vcl/poc.php.

Cisco UCS + NexentaVSA for View = VDI Simplicity

B230

C240   **C240**

HA /Scale-out config with storage failover

- No single point of storage failure
- Active / Active Storage HA

Persistent / Floating Solution

≤ 200 max users / Blade server

Outstanding Performance

- ≥ 60 IOPS @ standard 25% Writes
- ≥ 45 IOPS @ 75% Writes

ALL CISCO UCS SOLUTION

Environment / Use Case:

- Enterprise Data Center / SMB
- 200 – 1600 users / chassis
- Mission Critical
- Healthcare / Financial / Government

B230

C240

Non-Persistent / Floating Solution

≤ 200 max users / Blade server

Outstanding Performance

- ≥ 60 IOPS @ standard 25% Writes
- ≥ 45 IOPS @ 75% Writes

Enterprise Data Center / SMB

ALL CISCO UCS SOLUTION

- Environment / Use Case:
- Enterprise Data Center / SMB
- 200 – 1600 users / chassis
- Med. to high performance req.
- Departmental

C240

UCS + NexentaVSA for View = VDI Simplicity

Non-Persistent / Floating Solution

≤ 150 max users / Rack server

Outstanding Performance

- ≥ 100 IOPS @ standard 25% Writes
- ≥ 100 IOPS @ 75% Writes

ALL CISCO UCS SOLUTION

Environment / Use Case:

- SMB / Branch Office / Departmental

About NexentaVSA for View

NexentaVSA for View is a purpose-built virtual storage appliance that simplifies and accelerates deployment. For Resellers, NexentaVSA for View can:

- Maximize margins without compromising TCO
- Convert your project stuck in POCs to production
- Deploy a scalable storage solution for View
- Simplify installs with a Virtual Storage Appliance
- Provide significantly lower TCO

By addressing the VDI stack from the bottom-up, new possibilities are recognized for the solution. NexentaVSA simplifies and automates virtual desktop infrastructure deployments using NexentaStor and VMware View 5.0.

The NexentaVSA solution addresses the key challenges of VDI deployment through a single dashboard with real-time analytics. It offers rapid deployment of NexentaStor, running as a virtual storage appliance (VSA), across the vSphere cluster based on simple user inputs.

nexenta
Enterprise class storage
for everyone

Nexenta Systems, Inc.
455 El Camino Real
Santa Clara, CA 95050
www.nexenta.com
www.facebook.com/nexenta
twitter.com/nexenta