Data Center Network Manager

http://www.cisco.com/go/dcnm
## Challenges

<table>
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<tr>
<th>Complexity through proliferation of virtualization layers</th>
<th>Information overload reducing ability of IT staff to quickly access impact</th>
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<tbody>
<tr>
<td>Siloed application management and lack of integration</td>
<td>Understanding of what is normal vs. abnormal application workloads</td>
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<td>Keeping IT infrastructure stable and running at optimum levels</td>
<td>Managing Multiple Management Tools</td>
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Managing Unified Fabric

**VALUE**
- Fault Management
- Capacity Management
- Configuration and Provisioning

**VIRTUAL LAYER**
- VMware vSphere API Integration
- Nexus 7000 Virtual Device Context
- Nexus 1000v
- Nexus 1010 DCNM Virtual Service Blade

**PROTOCOLS**
- Fibre Channel, Ethernet, FICON
- Fibre Channel over Ethernet, iSCSI

**PHYSICAL LAYER**
- Nexus 7000 Series Core Switches
- UCS Fabric Interconnects*
- MDS 9000 Series Switches
- Nexus Access Series Switches

*UCS FI limited support*
Fault Management

Database Crashes

Ops Center Pages Admins

App  Compute  Network  Storage
Capacity Management

- Manage Switch Inventory
- Reclaim Under Utilized Ports
- Consolidate Switches
- Optimize Traffic Flows

Manage Resources and Reclaim Ports
**Configuration and Provisioning**

**DCNM FOR SAN**
- Wizards
- Templates
- Real-Time Monitoring
- OS Image Management (SAN-OS/NX-OS/IOS)
- Data Replication (DMM)
- Storage Encryption (SME)
- IO Acceleration (IOA)

**DCNM FOR LAN**
- Wizards
- Templates
- Based Host Provisioning
- Based FCoE Provisioning

**I.e. Wizard Based Host Provisioning**

**I.e. Template Based FCoE Provisioning**
Key Features

- Dynamic Switch and Storage Dashboards
- LDAP Integration and Custom Groupings
- Enhanced Event Management and Search
- VMpath Analytics extended to LAN
- Template Based Provisioning
- Port Tiering and Forecast Analysis
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- Demo #1: Cisco MDS IO Accelerator
- Demo #2: UCS Manager & Service Profiles
- Demo #3: Cisco Unified Fabric/Multiprotocol
- Demo #4: Mission Critical Business Continuity
- Demo #5: Cisco Intelligent Automation for Cloud
- Demo #6: Scale Your vCloud with Nexus 1000V and VXLAN
- Theatre Presentation

Questions?

Kindle Touch

USB Pen with Laser Pointer