



Cisco Virtual Update

UCS & Fabric Interconnect

Lars Granberg - Systems Engineer

Hans Donnerborg - Consulting Systems Engineer

Agenda

- IMC Software Update + Demo
- UCSM 3.1.2 Demo of vNIC template Paring
- Nxt HCL Tool + Automation
- High level Roadmap

IMC Software v3.0(1) – Released Dec 2016



User Interface Enhancements:

- HTML5 WebUI (M4): Updating WebUI for M4 servers from Flash to HTML5
- HTML5 vKVM: Providing customers an alternative to Java vKVM
- XML API Transaction Support (configConfMos): Enabling additional XML API efficiencies
- Redfish Support: Aligning with the latest industry standards (REST/JSON)



Security:

- CSDL (Cisco Secure Development Lifecycle): Aligning with Cisco Security standards & best practices
- IP Whitelist Support
- Power-On Password



Operational Enhancement:

- Firmware Management Updates: Enhancements to firmware tools (HUU optimization)
- Driver Update Tools: Extending scope/capability of Driver Update Utility
- Non-Interactive SCU: Extending SCU toolset to support Non-Interactive mode
- IMC Software – Platform Emulator (Phase 1)
- One-Time Boot (All Devices)

Demo HTML5 Cimc+KVM

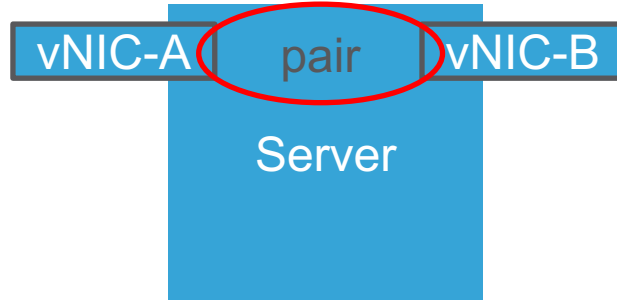
UCS Manager Enhancement

Problem

- Individual vNIC template configuration pr. vNIC and Fabric.

Solution:

- With vNIC template redundancy then you only need to change things once pr. pair. Ensures configuration consistency across the function pair.



Demo vNIC template

UCS Hardware and Software Compatibility

Highlevel roadmap

UCS Manager Themes through CY2017



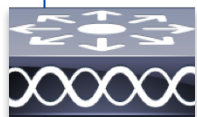
Server and Accessory Portfolio Updates

- SED Drives and Key Management for data encryption at rest
- NVMe drives for high performance storage
- Additional GPUs
- Additional Network and Fibre Channel Adapters for additional connectivity options



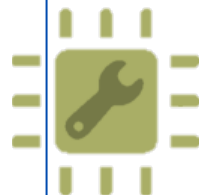
Storage Solutions Support

- UCS Managed C3260
- Additional C3260 HBA and RAID controller options
- Additional integration of HyperFlex with UCS Manager for a simpler



Fabric Upgrades

- Automated Fabric Interconnect deployment and initial configuration to speed up UCS deployments



Operational Enhancements

- User Interface Improvements for an improved user experience
- Integrated Diagnostics to reduce hardware downtime and speed up troubleshooting
- Improved Firmware Upgrade Experience for more reliable and easier updates
- User Interface Language Localization for ease of use in international organizations

UCSM Operational Simplification



Firmware Upgrades

- Fault Suppression – 2.1.1
- Server Firmware Auto Sync – 2.2.1
- Pre- upgrade validation check – 2.2.2
- Fabric High Availability checks – 2.2.3
- Fabric Evacuation – 2.2.4
- Automatic UCSM Backup during Auto Install – 2.2.4
- Baseline Policy for upgrade checks – 2.2.8, 3.1.1
- Install-All Enhancements – 3.1.3
- Server Reboot Prevention – 3.1.3
- Lightweight Upgrades – 3.1.3
- UCStools for OS Driver Mgmt – 3.1.3



Maintenance

- Smart Call Home Enhanced – 2.2.3
- Server Packs - 2.2.4
- Per Fabric Chassis Ack – 2.2.4
- Preserving Labels in Backups – 2.2.7, 3.1.2
- Suppress VIF down alarms on powered off servers – 2.2.7
- Factory reset of servers – 2.2.7
- Maintenance Policy Option “On Next Boot” – 2.2.8, 3.1.1
- Reset Peer IOM to defaults – 2.2.8, 3.1.1
- Adapter HA Peer Group – 3.1.2
- Integrated Server Diagnostics – 3.1.3



Monitoring

- DIMM Blacklisting – 2.2.1 (B), 2.2.3 (C)
- UCSM policy to monitor –FI/IOM link - 2.2.4
- UCS Health Monitoring – 2.2.7
- HTML5 UI and Flow 3.0, 3.1
- Memory reporting Enhancements – 2.2.7, 3.1.1
- I2C Statistics and Improvements – 2.2.8, 3.1.1
- Locator LED for Disks – 2.2.8, 3.1.1
- Enhanced Consistent Device Naming – 3.1.2

UCS Central Themes through CY2017



Platform Updates

- UCS Manager 3.1(2), 3.1(3)
- UCS Managed C3260
- HyperFlex Integration

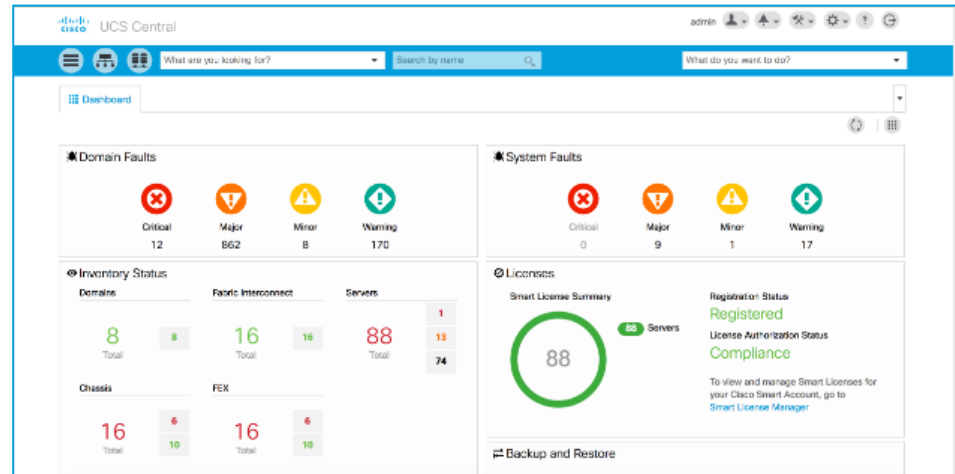


Firmware Upgrades

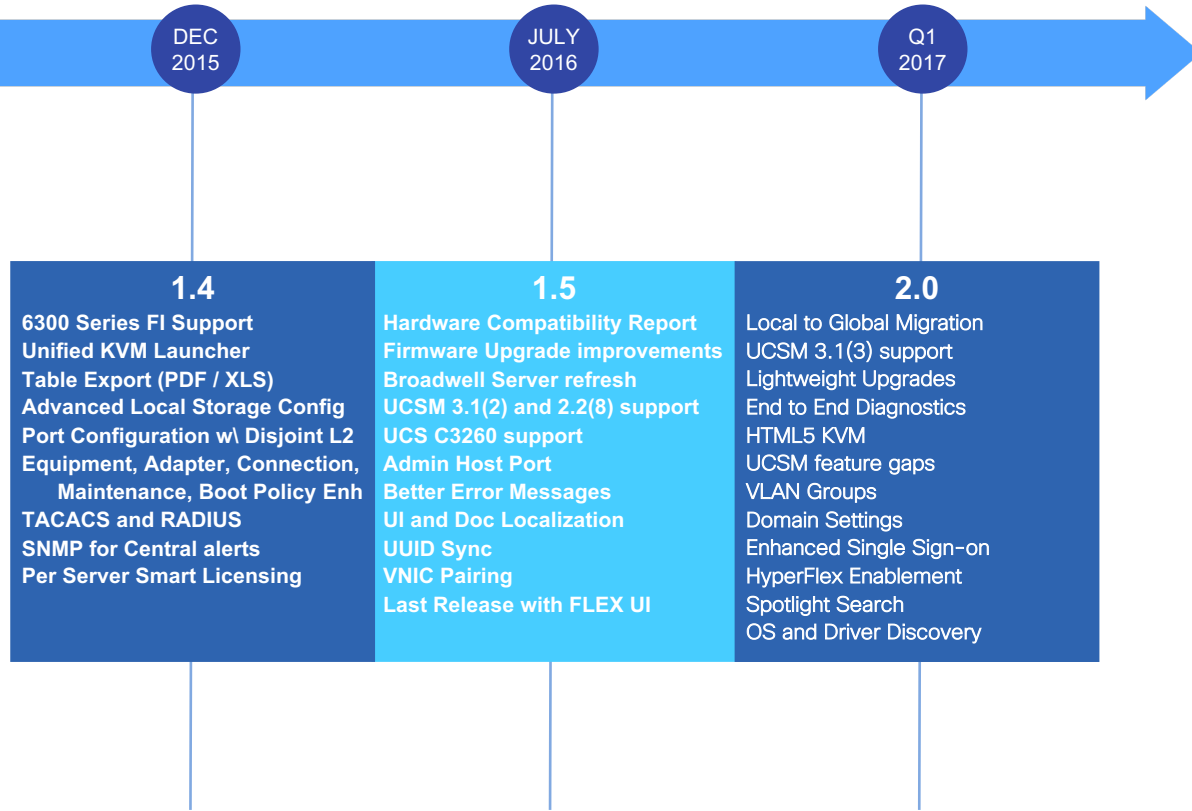
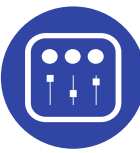
- Hardware Compatibility Reports
- OS and Driver Discovery
- Upgrade Health Check
- Lightweight Upgrades

Operational Enhancements

- Product Advisory Notifications
- Local to Global Migration
- UCS Manager Feature Gaps
- Integrated Diagnostics
- UI and Doc Localization



UCS Central Roadmap Update



Seminarkalender

DANMARK

TRAINING & EVENTS

Seminarkalender

PacketVille

Uddannelse

Seminar materialer

Præsentationer fra partnerseminarer

Januar | Februar | Marts | April | Maj | Juni | Alle

Januar 2017

Dato	Seminar/event	Målgruppe	Sted
17.	Cisco Virtual Update – Customer Collaboration Contact Center	Slutkunder/Partnere	Online
18.	Cisco Virtual Update – UCS & Fabric Interconnect	Slutkunder/Partnere	Online
24. & 26.	Cisco Tech Update – Switching & Automation	Slutkunder/Partnere	Århus & København

Februar 2017

Dato	Seminar/event	Målgruppe	Sted
1.	Cisco Virtual Update – Location Based Services med CMX / MSE	Slutkunder/Partnere	Online
22.	Cisco Virtual Update – CloudLock - Cisco's new CASB solution for securing your Cloud data	Slutkunder/Partnere	Online
28.	Cisco Virtual Update – Cisco Meeting Server og Expressway nyheder	Slutkunder/Partnere	Online
28.	Cisco Tech Update – Datacenter UCS og CloudCenter	Slutkunder/Partnere	Århus

Marts 2017

Dato	Seminar/event	Målgruppe	Sted
2.	Cisco Tech Update – Datacenter UCS og CloudCenter	Slutkunder/Partnere	København
8.	Cisco Virtual Update – Prime Infrastructure Management	Slutkunder/Partnere	Online
22.	Cisco Virtual Update – Tetration Applikations Analytics	Slutkunder/Partnere	Online

April 2017

Dato	Seminar/event	Målgruppe	Sted
4. & 6.	Cisco Tech Update – Security Cyberrapport, Umbrella og Firepower	Slutkunder/Partnere	Århus & København
5.	Cisco Virtual Update – Router Security	Slutkunder/Partnere	Online
18.	Cisco Virtual Update – UC-klienter og video endepunkter	Slutkunder/Partnere	Online
19.	Cisco Virtual Update – Catalyst access switching	Slutkunder/Partnere	Online
25. & 17.	Cisco Tech Update – Router (part 1) WAN & udvalgte nyheder på fremtidens eNFV platforme	Slutkunder/Partnere	Århus & København

Maj 2017

Dato	Seminar/event	Målgruppe	Sted
------	---------------	-----------	------

Del     

Genveje

[RSS Feeds](#)
[Job hos Cisco](#)
[Seminarkalender](#)
[Pressemeddelelser og nyheder](#)
[Kundereferencer](#)
[Seminar materialer](#)

http://www.cisco.com/c/da_dk/training-events/seminars.html



