

Firefly Unified Communications Virtualization Mentored Deployment (2 days)

This Mentored Service is targeted at providing a proof of concept for migrating an existing Cisco Unified Communications Manager cluster from physical hardware to virtual machines running in an existing Cisco Unified Computing System (UCS) environment.

Services include:

- Upgrading UCS component firmware and software as needed
- Installing and configuring virtual hosts
- Installing Cisco voice applications to run on virtual hosts
- Knowledge transfer covering the process of virtualizing the Unified Communications environment, including migration concepts and planning.

This mentored deployment assumes the client has an existing Cisco UCS environment and some prior experience with it. Additionally it is assumed the client has an existing Cisco Unified Communications architecture and plans to migrate it to the UCS platform. The client will come away with an understanding of the concepts for deploying virtualized voice applications in the UCS environment and be well on the way toward migrating the existing Cisco Unified Communications Manager cluster.

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Service Deliverables

- Upgrade all UCS components to latest firmware/software versions.
- Creation of up to two (2) MAC address pools, if necessary.
- Creation of up to two (2) WWNN address pools, if necessary.
- Creation of up to two (2) WWPN address pools, if necessary.
- Creation of up to two (2) UUID pools, as necessary.
- Creation of up to two (1) service profile templates, if necessary.
- Creation of up to eight (2) service profiles, if necessary.
- Creation of one (1) firmware policy, if necessary.
- Creation of up to two (2) named policies of customer's choosing, if necessary.
- Installation of up to two (2) instances of VMware on in-scope UCS blades, if necessary.
- Installation of up to two (2) virtual CUCM nodes (CUCM Publisher plus one subscriber) using Cisco-supported templates.
- Migration of data from old CUCM Publisher database to new virtual CUCM publisher database.
- Database replication check for new virtual CUCM nodes.
- Demonstrate Vmotion of virtual CUCM nodes between UCS blades.*

* Vmotion is only supported while virtual CUCM nodes are powered down.

Assumptions

Customer will supply all necessary equipment and software.

The UCS environment is expected to be racked, fully cabled, running nominally, and provisioned prior to our arrival. Required network and storage resources must be available at time of the engagement. Customer should also be in possession of a valid copy of the installable media for VMware ESXi and Cisco Unified Communications Manager.

Important!

This is a proof-of-concept deployment exercise. It is not a production cutover from the existing physical Unified Communications environment to the new virtualized Unified Communications environment. The existing physical Unified Communications environment will remain in service to avoid disruption of service. Accordingly, all phones, gateways and other voice endpoint devices will remain with the production environment. The purpose of the engagement is for the UC engineering team to become skilled in the necessary concepts for virtualizing the Unified Communications environment, and acquire confidence in their ability to complete the migration process.