



Prepare to Install

- [Installation Prerequisites, page 1](#)
- [Multinode Cluster Hardware Specifications, page 1](#)
- [Standalone Hardware Specification, page 2](#)
- [Browser Compatibility for CUCDM, page 2](#)

Installation Prerequisites

Installation of Cisco HCM-Core has the following prerequisites:

- HCM-F is installed and all services are activated and running.
- Network connectivity is available between Cisco HCM-Core nodes and the HCM-F, UC App servers, and WebEx servers.

Multinode Cluster Hardware Specifications

Migration from the Stand-Alone Cisco Unified Communications Domain Manager 10.6(x) system to a 4 Unified Node/2 WebProxy Node cluster is supported. The resource requirements for each configuration are provided in Table 1.

Table 1: Virtual Machine Requirements

| Node Type | Quantity | VM Level | Memory ¹ | CPU | Disk | Network |
|-----------|----------|---------------------|---------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Unified | >= 4 | VMware 5.1 or later | 8 GB | 4vCPU @ 2 GHz | 370 GB partitioned as follows: <ul style="list-style-type: none"> • 20 GB for OS • 50 GB for application • 50 GB for compressed backups • 250 GB for database | 1 Gbit/s minimum |

| Node Type | Quantity | VM Level | Memory ¹ | CPU | Disk | Network |
|-----------|----------|---------------------|---------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------|------------------|
| WebProxy | >=2 | VMware 5.1 or later | 4 GB | 2vCPU @ 2 GHz | 70 GB partitioned as follows: <ul style="list-style-type: none"> • 20 GB for OS • 50 GB for application | 1 Gbit/s minimum |

¹ For the 4 Unified Node/2 WebProxy node deployments where the total number of end users is expected to exceed 100,000, it is recommended that 16 GB of RAM be provisioned for each Unified node. The recommended memory allocation for the WebProxy nodes does not change.

The size of the database storage partition supports the maximum deployment size for the release. Further increase in the size of the partition is not required when new customers are on-boarded.

To set up the disk requirements, the disk should be set up on the VMware GUI Resources tab where a disk can be created. This task should be done after the OVA import but prior to the boot of the system.

Standalone Hardware Specification

Virtual machine requirements are specified in the following table.

| Purpose | Quantity | VM | Memory | CPU | Disk | Network |
|-----------------|----------|---------------|--------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Standalone node | 1 | >= VMware 4.1 | 8 GB | 4vCPU @ 2 GHz | 180 GB partitioned as follows: <ul style="list-style-type: none"> • 20 GB for OS • 50 GB for application • 50 GB for compressed backups • 60 GB for database storage | 1 Gbit/s minimum |

The Database storage partition is sized at the initial installation to support the maximum deployment size for the release. Further increase in the size of the partition is not required as new customers are on-boarded.

For the disk requirements, the disk should be set up on the VMware GUI Resources tab where a disk can be created. Perform this task after the OVA import but prior to the boot of the system.

Browser Compatibility for CUCDM

The following table describes web browser compatibility for Cisco Unified Communications Domain Manager within Cisco Hosted Collaboration Solution.

Table 2: Legend

| Symbol and Abbreviation | Definition |
|-------------------------|-----------------------------|
| ✘ | Browser not supported |
| ✓ | Browser supported |
| IE | Microsoft Internet Explorer |
| MF | Mozilla Firefox |
| GC | Google Chrome |
| AS | Apple Safari |
| ESR | Extended Support Release |

Cisco Unified Communications Domain Manager 8.1(x) Browser Compatibility Tables

Table 3: Cisco Unified Communications Domain Manager 8.1(x) Windows Browser Compatibility

| HCS Release | Operating System | IE 8 | IE 9 | IE 10 | IE 11 | MF 3.x | MF 4.x | MF 8.x | MF 9.x | MF 10.x | MF 17.x ESR | MF 20.x | MF 23 | MF 28.0 | GC 8 | GC 25 | GC 29 | GC 34 | |
|-------------|------------------|------|------|-------|-------|--------|--------|--------|--------|---------|-------------|---------|-------|---------|------|-------|-------|-------|---|
| HCS 8.x | Windows 7 | | | | | | | | | | | | | | | | | | |
| | Windows 8 | | | | | | | | | | | | | | | | | | |
| HCS 9.x | Windows 7 | ✓ | ✓ | | | | | | | | | ✓ | | | | ✓ | | | |
| | Windows 8 | | | | | | | | | | | | | | | | | | |
| HCS 10.x | Windows 7 | ✘ | ✘ | ✓ | ✓ | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | ✘ | | ✓ | ✘ | ✘ | | | ✓ |
| | Windows 8 | | | ✘ | | | ✘ | | | ✘ | | | | | ✘ | ✘ | ✓ | | |
| | Windows XP | | | | | | | | | | ✓ | | ✓ | | | | ✓ | | |

Table 4: Cisco Unified Communications Domain Manager 8.1(x) MacOS X Browser Compatibility

| HCS Release | Operating System | AS 4.x | AS 5.x | AS 6.x | MF 4.x | MF 10.x | MF 11.x | MF 17.x ESR | MF 23 | MF 28 | GC 22 | GC 34 |
|-------------|-----------------------------|--------|--------|--------|--------|---------|---------|-------------|-------|-------|-------|-------|
| HCS 8.x | OS X 10.8 (Mountain Lion) | | | | | | | | | | | |
| | OS X 10.9 (Mavericks) | | | | | | | | | | | |
| HCS 9.x | OS X 10.8 (Mountain Lion) | | | | | | | | | | | |
| | OS X 10.9 (Mavericks) | | | | | | | | | | | |
| HCS 10.x | OS X 10.8 (Mountain Lion) | | | ✓ | | | | ✓ (nESR) | ✓ | | | |
| | OS X 10.8.5 (Mountain Lion) | | | | | | | | | ✓ | | ✓ |
| | OS X 10.9 (Mavericks) | | | | | | | | | | | ✓ |

Cisco Unified Communications Domain Manager 10.x Browser Compatibility Tables**Table 5: Cisco Unified Communications Domain Manager 10.x Windows Compatibility**

| HCS Release | Operating System | IE 8 | IE 9 | IE 10 | IE 11 | MF 3.x | MF 4.x | MF 9.x | MF 10.x | MF 20.x | GC 8 | GC 25 | GC 29 | GC 34 |
|-------------|------------------|------|------|-------|------------|--------|--------|--------|-----------|-----------|------|-------|-------|-------|
| HCS 10.x | Windows 7 | | | ✓ | ✓ see Note | | | | | ✓ (MF 28) | | | | ✓ |
| | Windows 8 | | | | | | | | | | | | ✓ | |
| | Windows XP | | | | | | | | ✓ (MF 17) | ✓ (MF 23) | | | ✓ | |

**Note**

There have been issues identified with running HCS 10.x in IE 11 under Windows 7.

Table 6: Cisco Unified Communications Domain Manager 10.x MacOS X Browser Compatibility

| HCS Release | Operating System | AS 4.x | AS 5.x | AS 6.x | MF 4.x | MF 10.x | MF 11.x | MF 20.x | GC 22 | GC 34 |
|-------------|--------------------------------|--------|--------|--------|--------|-----------|---------|-----------|-------|-----------------|
| HCS 10.x | OS X 10.8 (Mountain Lion) | | | ✓ | | ✓ (MF 17) | | ✓ (MF 23) | | ✓ (OS X 10.8.5) |
| | OS X 10.8.5 (Mountain Lion) | | | | | | | ✓ (MF 28) | | ✓ |
| | OS X 10.9 (Mavericks) | | | | | | | | | ✓ |

