

Go to: [Guidelines to Edit UC Virtualization Pages](#)

Contents

- [1 Introduction](#)
- [2 Call Processing Applications](#)
- [3 System Management Applications](#)
- [4 Messaging and Presence Applications](#)
- [5 Contact Center Applications](#)
- [6 TelePresence Applications](#)

Introduction

This page documents UC application and version compatibility with [virtualized hardware support models](#):

- UC on UCS TRC
- UC on UCS Specs-based
- Third-party Server Specs-based

"Specs-based" used by itself refers to both UC on UCS Specs-based and Third-party Server Specs-based.

Support information is current through release date of **Cisco Unified Communications 9.1(1)**.

Click on the application name for additional product-specific requirements and information (if any).

Call Processing Applications

UC on UCS Specs-based

Third-party Server Specs-based

UC on UCS Tested Reference Configuration

| Application | Intel Xeon 56xx/75xx @ 2.53+ GHz | Intel Xeon E7-28xx E7-48xx E7-88xx @ 2.4+ GHz | Intel Xeon E5-26xx E5-46xx @ 2.50+ GHz | B440 M2 TRC#1 | B230 M2 TRC #1 | B200 M3 TRC #1 | B200 M2 TRC #1 | B200 M2 TRC #2 | B200 M1 TRC #1 | B200 M1 TRC #2 | C260 M2 TRC #1 | C240 M3 TRC #1 | C220 M3 TRC #1 | C200 M3 TRC #1 |
|-------------|----------------------------------|---|--|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|-------------|----------------------------------|---|--|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|

Unified Communications Manager See [Virtualization for Cisco Unified Communications Manager \(CUCM\)](#)

CUCM IM & Presence See [Virtualization for CUCM - IM & Presence](#)

Cisco Business Edition 6000 See [Cisco Business Edition 6000](#)
See [Virtualization for Cisco Emergency Responder](#)

Unified_Communications_Virtualization_Supported_Applications

Emergency
Responder

Session Manager
Edition See [Virtualization for Cisco Unified CM - Session Management Edition](#)

Intercompany
Media Engine See [Virtualization for Cisco Intercompany Media Engine](#)

Unified
Attendant
Consoles See [Virtualization for Cisco Unified Attendant Consoles](#)

System Management Applications

| Application | | | | Intel Xeon 56xx/75xx @ 2.53+ GHz | Intel Xeon E7-28xx E7-48xx E7-88xx @ 2.4+ GHz | Intel Xeon E5-26xx E5-46xx @ 2.50+ GHz | B440 TRC |
|--|-------------|-------------|--------------|--|---|--|----------------|
| Cores > | | | | 4, 6, 8 | 6, 8, 10 | 4, 6, 8 | 40 |
| vRAM in GB > | | | | | | | 128 |
| | vCPU | vRAM | vDisk | | | | |
| UPM Up to 1K | 1 | 2 | 30 | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ |
| UPM 1K to 10K App | 4 | 4 | 40 | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ |
| UPM 10K to 60K App | 4 | 4 | 30 | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ |
| UPM 10K to 60K DB | 4 | 8 | 120 | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ | 4.3, 6.0+ |
| UPM 10K to 60K App + DB (2 VMs) | 8 | 12 | 150 | No | 4.3, 6.0+ * | 4.3, 6.0+ * | 4.3, 6.0+ |
| UPM 8.6/Linux for BE6000 | 1 | 2 | 30 | 8.6(2) | 8.6(2) | 8.6(2) | 8.6(2) |
| UPM 9.0BE for BE6000 | 1 | 2 | 45 | 9.0(1), 9.1(1) | 9.0(1), 9.1(1) | 9.0(1), 9.1(1) | 9.0(1), 9.1(1) |
| UOM/SM Up to 1K | 1 | 3 | 50 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| UOM 10K | 2 | 8 | 72 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| UOM 45K | 4 | 8 | 120 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| USM 10K | 4 | 4 | 72 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| USM 45K | 4 | 4 | 120 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| USSM 10K | 1 | 4 | 60 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| USSM 45K | 2 | 4 | 72 | 6.0+ | 6.0+ | 6.0+ | 6.0+ |
| UCMS 10K suite co-resident | 8 | 16 | 320 | No | 6.0+ * | 6.0+ * | 6.0+ |
| PCP Up to 1K | 1 | 2 | 90 | 7.1+ | 7.1+ | 7.1+ | 7.1+ |
| PCP 1K to 10K | 4 | 8 | 120 | 7.1+ | 7.1+ | 7.1+ | 7.1+ |
| PCP 10K to 100K App | 8 | 16 | 120 | No | 7.1+ * | 7.1+ * | 7.1+ |
| PCP 10K to 100K DB | 8 | 16 | 120 | No | 7.1+ * | 7.1+ * | 7.1+ |
| PCP 100K to 150K App | 8 | 16 | 150 | No | 7.1+ * | 7.1+ * | 7.1+ |

Unified_Communications_Virtualization_Supported_Applications

| | | | | | | | |
|---|----|----|-----|------|--------|--------|------|
| PCP 100K to 150K DB | 8 | 16 | 150 | No | 7.1+ * | 7.1+ * | 7.1+ |
| PCP 10K to 100K App + DB (2 VMs) | 16 | 32 | 240 | No | No | No | 7.1+ |
| PCP 100K to 150K App +DB (2 VMs) | 16 | 32 | 300 | No | No | No | 7.1+ |
| PCA Up to 1K | 4 | 8 | 150 | 7.1+ | 7.1+ | 7.1+ | 7.1+ |
| PCA 1K to 10K | 8 | 16 | 200 | No | 7.1+ * | 7.1+ * | 7.1+ |
| PCA 10K to 100K app | 12 | 24 | 500 | No | No | No | 7.1+ |
| PCA 100K to 150K app | 18 | 32 | 750 | No | No | No | 7.1+ |

Notes:

1. ' * 'Requires 8 core configuration and sufficient vRAM (12G to 16G)
2. Compatibility based on vCPU and vRAM requirements met by UCS platforms. NMTG/ECMBU does not formally certify hardware platforms.
3. PCA = Prime Collaboration Assurance server PCP = Prime Collaboration Provisioning server
4. vDisk may require offboard resources due to size or performance.

Messaging and Presence Applications

UC on UCS Specs-based

UC on UCS

Third-party Server Specs-based

Tested Reference Configuration

| Application | Intel Xeon | | Intel Xeon E5-26xx M2 TRC#1 | B440 M2 TRC#1 | B230 M2 TRC #1 | B200 M3 TRC #1 | B200 M2 TRC #1 | B200 M2 TRC #2 | B200 M1 TRC #1 | B200 M1 TRC #2 | C260 M2 TRC #1 | C240 M3 TRC #1 | C220 M3 TRC #1 | C220 M3 TRC #2 |
|-------------|-----------------------|------------------------------------|-----------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 56xx/75xx @ 2.53+ GHz | E7-28xx E7-48xx E7-88xx @ 2.4+ GHz | | | | | | | | | | | | |

Unity Connection

See [Virtualization for Cisco Unity Connection](#)

Unity

See [Virtualization for Cisco Unity](#)

Unified Presence (1)

See [Virtualization for Cisco Unified Presence](#)

(1) Note that Cisco Unified Presence 8.6 is the last version. This migrates to Cisco Unified Communications Manager - IM & Presence 9.0.

Contact Center Applications

Application UC on UCS Specs-based

UC on UCS

Third-party Server Specs-based

Tested Reference Configuration

| Application | Intel Xeon | | Intel Xeon E5-26xx M2 TRC#1 | B440 M2 TRC#1 | B230 M2 TRC | B200 M3 TRC | B200 M2 TRC | B200 M2 TRC | B200 M1 TRC | B200 M1 TRC | C260 M2 TRC | C240 M3 TRC | C220 M3 TRC | C220 M3 TRC |
|-------------|-----------------------|------------------------------------|-----------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 56xx/75xx @ 2.53+ GHz | E7-28xx E7-48xx E7-88xx @ 2.4+ GHz | | | | | | | | | | | | |

Unified_Communications_Virtualization_Supported_Applications

| | | | | | | | | | | | | |
|------------|----------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| GHz | E7-48xx | E5-46xx | #1 | #1 | #1 | #2 | #1 | #2 | #1 | #1 | #1 | #2 |
| | E7-88xx | @ 2.53+ | | | | | | | | | | |
| | @ 2.4+ | GHz | | | | | | | | | | |
| | GHz | | | | | | | | | | | |

Cisco Unified
Contact
Center
Express / IP
IVR

See Virtualization for Cisco Unified Contact Center Express

Cisco Unified
Workforce
Optimization
(WFO),
Quality
Management
(QM), and
WorkForce
Management
(WFM)

See Virtualization for Cisco Unified Work Force Optimization Suite for Cisco Unified Workforce Management (WFO), Quality Management (QM), and WorkForce Management (WFM)

Cisco Unified
Contact
Center
Enterprise

See Virtualization for Unified CCE

Cisco
Packaged
Contact
Center
Enterprise

See Packaged CCE Technical Documentation Virtualization Support

Cisco Unified
Intelligence
Center

See Virtualization for Cisco Unified Intelligence Center

Cisco Unified
Contact
Center
Management
Portal

See Virtualization for Cisco Unified Contact Center Management Portal

Cisco Unified
Customer
Voice Portal

See Virtualization for Cisco Unified Customer Voice Portal

Cisco
MediaSense

See Virtualization for Cisco MediaSense

Cisco
SocialMiner

See Virtualization for Cisco SocialMiner

See Virtualization for Cisco Finesse

Cisco Finesse

[Cisco Unified
Email
Interaction
Manager and
Web
Interaction
Manager](#)

See [Virtualization for Cisco Unified Email Interaction Manager - Web I](#)

TelePresence Applications

| Application | <u>UC on UCS Specs-based Support</u> <u>Third-party Server Specs-based Support</u> | | <u>UC on UCS</u> <u>Tested Reference</u> <u>Configurations (TRC)</u> |
|---|---|--|--|
| | Intel Xeon 56xx/75xx @ 2.53+ GHz | Intel Xeon E7-xxxx @ 2.4+ GHz | C210 M2 TRC #1 (DAS) |
| Cisco TelePresence Manager | <ul style="list-style-type: none"> • 1.8.x • 1.9.0 | <ul style="list-style-type: none"> • 1.8.x • 1.9.0 | <ul style="list-style-type: none"> • 1.8.x • 1.9.0 |
| Cisco TelePresence Multipoint Switch | <ul style="list-style-type: none"> • 1.8.x • 1.9.0 | <ul style="list-style-type: none"> • 1.8.x • 1.9.0 | <ul style="list-style-type: none"> • 1.8.x • 1.9.0 |
| Cisco TelePresence Management Suite | See Virtualization for Cisco TelePresence Management Suite | | |
| Cisco TelePresence Video Communication Server (Cisco VCS) | See Virtualization for Cisco TelePresence Video Communications Server | | |
| Cisco TelePresence Conductor | See Virtualization for Cisco TelePresence Conductor | | |

Back to: [Unified Communications in a Virtualized Environment](#)