Go to: Guidelines to Edit UC Virtualization Pages

Contents

Introduction

This web page describes supported compute, storage and network hardware for virtualized Cisco Unified Communications on Cisco Unified Computing System (UC on UCS).

Note that because Cisco Unified Communications is composed of real-time media applications, there are certain support requirements that must be followed.

Mixed deployments of virtualized, non-virtual MCS and non-virtual "bare-metal Software-only" servers are supported, see http://www.cisco.com/go/ucsrnd .

UC on UCS hardware supports servers purchased as Collaboration SKUs or as Data Center SKUs, provided they meet the support policies described below.

Hardware Requirements

For more details on Cisco UCS servers in general, please see http://www.cisco.com/go/ucs , http://www.cisco.com/go/uconucs and the Related Hardware Documentation section below.

UC on UCS uses "Tested Reference Configurations" to describe supported configurations of compute, storage and network hardware. The table below contains a high-level summary of Tested Reference Configurations.

Please see the "UC on UCS" link at http://www.cisco.com/go/swonly, or here for the following:

- Complete list of hardware requirements
- Alternative configurations that are also supported
- Mapping of Cisco Collaboration SKUs to equivalent Cisco Data Center SKUs
- Details on DAS and SAN storage requirements

Tested Reference Configurations for UC on UCS are supported whether purchased as Cisco Collaboration SKUs or Cisco Data Center SKUs.

Base Server Model and Generation	Tested Reference Configuration	CPU	RAM	Storage	Adapters	Notes

	(TRC)					
UCS B200 M2 Blade Server	TRC #1	Dual E5640 (8 physical cores total)	48GB (12x4GB)	DAS (RAID1) for VMware, FC SAN for UC apps	Cisco VIC	UCS-B200M2-VCS1
	TRC #2	Dual E5640 (8 physical cores total)	48GB (12x4GB)	Diskless - FC SAN for VMware and UC apps	Cisco VIC	Sold as Cisco Data Center SKUs only
UCS B200 M1 Blade Server	TRC #1	Dual E5540 (8 physical cores total)	36GB (6x2GB+6x4GB)	DAS (RAID1) for VMware, FC SAN for UC apps	3rd-party CNA	UCS-B200M1-VCS1
	TRC #2	Dual E5540 (8 physical cores total)	36GB (6x2GB+6x4GB)	Diskless - FC SAN for VMware and UC apps	3rd-party CNA	Sold as Cisco Data Center SKUs only
UCS C210 M2 General-Purpose Rack-Mount Server	TRC #1	Dual E5640 (8 physical cores total)	48GB (12x4GB)	DAS (2 disks RAID1) for VMware + DAS (8 disks RAID5) for UC apps	1GbE NIC	UCS-C210M2-VCD2
	TRC #2	Dual E5640 (8 physical cores total)	48GB (12x4GB)	DAS (2 disks RAID1) for VMware, FC SAN for UC apps	1GbE NIC and 4G FC HBA	Sold as Cisco Data Center SKUs only
	TRC #3	Dual E5640 (8 physical cores total)	48GB (12x4GB)	Diskless - FC SAN for VMware and UC apps	1GbE NIC and 4G FC HBA	Sold as Cisco Data Center SKUs only

UCS C210 M1 General-Purpose Rack-Mount Server	TRC #1	Dual E5540 (8 physical cores total)	12GB (6x2GB)	DAS (2 disks RAID1) for VMware + DAS (4 disks RAID5) for UC apps	1GbE NIC	UCS-C210M1-VCD1 (note: only supports a single Virtual Machine)
	TRC #2	Dual E5540 (8 physical cores total)	36GB (6x2GB+6x4GB)	DAS (2 disks RAID1) for VMware + DAS (8 disks RAID5) for UC apps	1GbE NIC	UCS-C210M1-VCD2
	TRC #3	Dual E5540 (8 physical cores total)	36GB (6x2GB+6x4GB)	DAS (2 disks RAID1) for VMware, FC SAN for UC apps	1GbE NIC and 4G FC HBA	Sold as Cisco Data Center SKUs only
	TRC #4	Dual E5540 (8 physical cores total)	36GB (6x2GB+6x4GB)	Diskless - FC SAN for VMware and UC apps	1GbE NIC and 4G FC HBA	Sold as Cisco Data Center SKUs only
UCS C200 M2 General-Purpose Rack-Mount Server	TRC #1	Dual E5506 (8 physical cores total)	24GB (6x4GB)	DAS (4 disks RAID10) for VMware + UC apps	1GbE NIC	UCS-C200M2-VCD2 (note: only scaled for <1K users depending on UC app)

Related Hardware Documentation

Monitoring and Alarming for Cisco UCS

At this time on Cisco UCS, certain types of serviceability monitoring and alarming (such as hard drive failure) are only available via OS instrumentation. For UC on UCS this means alerts are generated by VMware in CIM format, and require VMware vCenter or equivalent CIM-compliant console. Refer to the *UCS RAID Controller SMI-S Reference Guide* for detailed information on this topic.

Other Key Cisco UCS Documents

For installation and configuration information on UCS servers, refer to the documentation roadmap for either the B-Series or C-Series servers:

- Cisco UCS B-Series Servers Documentation Roadmap
- Cisco UCS C-Series Servers Documentation Roadmap
- Cisco UCS C-Series Integrated Management Controller Documentation
- Cisco UCS Manager Documentation

Back to Unified Communications Virtualization main page