

[Return to Home](#)

Contents

- [1 Version 14.4 \(and TMSXE 4.0\)](#)
- [2 Versions 14.2 and 14.3 \(and TMSXE 3.1\)](#)
- [3 Notes on TMS VM configuration](#)
- [4 IOPS and Storage System Performance Requirements](#)

Version 14.4 (and TMSXE 4.0)

[Click here for a Legend](#)

<u>Component & Capacity</u> <u>Point</u>	<u>VM Configuration Requirements</u>				<u>Supported Hardware (Latest)</u>						<u>Supported Hardware (Older)</u>				
	<u>vCPU</u>	<u>vRAM</u>	<u>vDisk</u>	<u>vNIC</u>	<u>UCS Tested Reference Configurations</u>						<u>UCS or 3rd-party Specs-based on Intel Xeon</u>		<u>UCS Tested Reference Configurations</u>		<u>UCS 3rd-p Specs-ba Intel X</u>
					<u>S</u>	<u>S+</u>	<u>M</u>	<u>L</u>	<u>XL</u>	<u>2XL</u>	<u>Full UC Perf. CPU</u>	<u>Restricted UC Perf. CPU</u>	<u>S</u>	<u>M</u>	<u>Full UC Perf. CPU</u>

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 5.0, 5.1, 5.5
- [Click for "IOPS"](#)

Standard Deployment

TMS/TMSXE See notes	2	8	60GB	1 Gbit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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Large Deployment

TMS See notes	4	8	60GB	1 Gbit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TMSXE (Extension for Microsoft Exchange) See notes	4	6	60GB	1 Gbit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Versions 14.2 and 14.3 (and TMSXE 3.1)

[Click here for a Legend](#)

<u>Component & Capacity</u> <u>Point</u>	<u>VM Configuration Requirements</u>				<center> <u>Supported Hardware (Latest)</u>							<u>Supported Hardware (Older)</u>					
	<u>vCPU</u>	<u>vRAM</u>	<u>vDisk</u>	<u>vNIC</u>	<u>UCS Tested Reference Configurations</u> S is same as BE6000 MD S+ is same as BE6000 HD M includes BE7000							<u>UCS or 3rd-party Specs-based on Intel Xeon</u>		<u>UCS Tested Reference Configurations</u>		<u>UCS or 3rd-party Specs-based on Intel Xeon</u>	
					<u>S</u>	<u>S+</u>	<u>M</u>	<u>L</u>	<u>XL</u>	<u>2XL</u>	<u>Full UC Perf. CPU</u>	<u>Restricted UC Perf. CPU</u>	<u>S</u>	<u>M</u>	<u>Full UC Perf. CPU</u>	<u>Restr UC Perf. CPU</u>	
TMS See notes	4	12	2 x 100GB	1 Gbit	Yes	Yes	Yes	Yes	Yes	Yes	Yes except E5v3	Yes except E5v3	No	Yes	Yes	Yes	
TMSXE (Extension for Microsoft Exchange) See notes	4	6	1 x 100GB	1 Gbit	Yes	Yes	Yes	Yes	Yes	Yes	Yes except E5v3	Yes except E5v3	No	Yes	Yes	Yes	

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 5.0, 5.1, 5.5
- [Click for "IOPS"](#)

Notes on TMS VM configuration

Testing was performed on a Cisco UCS C220 M3S platform. Based on evidence from this testing we do not expect there to be any issues with other supported hardware options.

Installation notes:

- Install OS, Cisco TMS and SQL server on virtual disk 1
- Install the database on virtual disk 2

This configuration supports:

- 1000 direct managed systems
- 40 MCU's and TelePresence servers
- Supports Cisco TelePresence Provisioning extension

To fully utilize Cisco TMS an external Microsoft SQL server is required.

For more information see: [Cisco TelePresence Management Suite Installation Guide](#)

IOPS and Storage System Performance Requirements

This section provides the IOPS data for Cisco TelePresence Management Suite.

Test specifications:

- Single C220 M3 TRC running ESXi 5.0.0 (update 1)
- Processor supporting AESNI feature
- 12GB of RAM
- 200GB disk space (100GB virtual disk 1 and a 100GB virtual disk 2)
- R2XX-LBBU (Raid disk battery backup to enable cache)
- Four hard disks (450GB SAS 15K RPM 3.5in HDD/hot plug/C200 drive sled)
- PCI card Intel Quad port GbE Controller (E1G44ETG1P20)

Test results:

Activity	Average IOPS	Average r/w latency	Peak read latency	Peak write latency
Performance test	350	10ms	20ms	15ms

This section provides the IOPS data for Cisco TelePresence Management Suite Extension for Microsoft Exchange.

Test specifications:

- Single C220 M3 TRC running ESXi 5.0.0 (update 1)
- Processor supporting AESNI feature
- 6GB of RAM
- 100GB disk space (1 Virtual disk)
- R2XX-LBBU (Raid disk battery backup to enable cache)
- 2 hard disks (450GB SAS 15K RPM 3.5in HDD/hot plug/C200 drive sled)
- PCI card Intel Quad port GbE Controller (E1G44ETG1P20)

Test results:

Activity	Average IOPS	Average r/w latency	Peak read latency	Peak write latency
Performance test	80	4ms	10ms	15ms