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Version 10.x

Click here for a Legend
OVA Download Location for Cisco MediaSense 10.x . Select MediaSense Virtual Machine Templates->Version

Component & Capacity Point	Preloaded with Business Edition?	VM Configuration Requirements click to download OVA file for this version				Supported Hardware (Latest)								Supported Ha (Older		
		vCPU	vRAM	vDisk	vNIC	UCS Tested Reference Configurations S is same as BE6000 MD S+ is same as BE6000 HD M includes BE7000						UCS or 3rd-party Specs-based on Intel Xeon		UCS Tested Reference Configurations		UC 3rd Specs- Inte
						S	S+	M	L	XL	2XL	Full UC Perf. CPU	Restricted UC Perf. CPU	S	M	Full UC Perf. CPU
	No	2	6 GB	1		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0,5.1
- Click for "IOPS"

2vCPU Config See notes				See notes												
4vCPU Config See notes	No	4	8 GB	See notes	1	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
7vCPU Config See notes	No	7	16 GB	See notes	1	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Version 9.x

Click here for a Legend
OVA Download Location for Cisco MediaSense 9.x . Select MediaSense Virtual Machine Templates->Version

Component & Capacity Point	Preloaded with Business Edition?	VM Configuration Requirements click to download OVA file for this version				Supported Hardware (Latest)								Supported Ha (Older		
						UCS Tested Reference Configurations S is same as BE6000 MD S+ is same as BE6000 HD M includes BE7000						UCS or 3rd-party Specs-based on Intel Xeon		UCS Tested Reference Configurations		UC 3rd Specs- Inte
		vCPU	vRAM	vDisk	vNIC	S	S+	M	L	XL	2XL	Full UC Perf. CPU	Restricted UC Perf. CPU	S	M	Full UC Perf. CPU

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0,5.1*
- Click for "IOPS"

2vCPU Config See notes	No	2	6 GB	See notes	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
7vCPU Config See notes	No	7	16 GB	See notes	1	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

* For ESXi5.1, before starting an install, the virtual hardware needs to be upgraded.

Version 8.5(4)

Click here for a Legend
OVA Download Location for Cisco MediaSense 8.5(4) . Select MediaSense Virtual Machine Templates->Version

Component & Capacity Point	Preloaded with Business Edition?	VM Configuration Requirements click to download OVA file for this version				Supported Hardware (Latest)								Supported Har (Older)			
		vCPU	vRAM	vDisk	vNIC	UCS Tested Reference Configurations S is same as BE6000 MD S+ is same as BE6000 HD M includes BE7000						UCS or 3rd-party Specs-based on Intel Xeon		UCS Tested Reference Configurations		UC 3rd- Specs- Intel	
						S	S+	M	L	XL	2XL	Full UC Perf. CPU	Restricted UC Perf. CPU	S	M	Full UC Perf. CPU	R

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0
- Click for "IOPS"

2vCPU Config See notes	No	2	6 GB	See notes	1	No	No	No	No	No	No	No	No	No	No	No	
7vCPU Config See notes	No	7	8 GB	See notes	1	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	

Version 8.5(3)

Click here for a Legend
OVA Download Location for Cisco MediaSense 8.5(3) . Select MediaSense Virtual Machine Templates->Version

Component & Capacity Point	Preloaded with Business Edition?	VM Configuration Requirements click to download OVA file for this version				Supported Hardware (Latest)								Supported Har (Older)			
		vCPU	vRAM	vDisk	vNIC	UCS Tested Reference Configurations S is same as BE6000 MD S+ is same as BE6000 HD M includes BE7000						UCS or 3rd-party Specs-based on Intel Xeon		UCS Tested Reference Configurations		UCS 3rd-p Specs-b Intel	
						S	S+	M	L	XL	2XL	Full UC Perf. CPU	Restricted UC Perf. CPU	S	M	Full UC Perf. CPU	Re U

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0
- Click for "IOPS"

7vCPU Config See notes	No	7	8 GB	See notes	1	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No

Version 8.5(1) and 8.5(2)

Click here for a Legend
OVA Download Location for Cisco MediaSense 8.5(1) . Select MediaSense Virtual Machine Templates->Version

Component & Capacity Point	Preloaded with Business Edition?	VM Configuration Requirements click to download OVA file for this version				Supported Hardware (Latest)								Supported Hardw (Older)			
						UCS Tested Reference Configurations S is same as BE6000 MD S+ is same as BE6000 HD M includes BE7000						UCS or 3rd-party Specs-based on Intel Xeon		UCS Tested Reference Configurations		UCS o 3rd-par Specs-bas Intel Xe	
		vCPU	vRAM	vDisk	vNIC	S	S+	M	L	XL	2XL	Full UC Perf. CPU	Restricted UC Perf. CPU	S	M	Full UC Perf. CPU	Rest UC C

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0
- Click for "IOPS"

7vCPU Config See notes	No	7	8 GB	See notes	1	No	No	No	No	No	No	No	No	No	Yes	No

Notes on 2 vCPU VM configuration

The 2 vCPU VM configuration can be used for a Primary or a Secondary Cisco MediaSense node. Expansion nodes are not supported with this configuration. This configuration is available for deployment on the UCS-E servers. Look for details here Cisco_MediaSense_on_UCSE

Disk Requirements For a Primary or Secondary Node

Disk 1 - 80GB for O/S
Disk 2 - 80GB for Database and working storage
Disk 3 - 210 GB Minimum. Can be expanded to 12 TB

Disk Requirements For a Expansion Node

Expansion Nodes are not supported with this virtual machine configuration.

Supported Capabilities

Physical Hardware	Audio-Weight Media Streams Supported Per Node	Concurrent API Requests Supported per non-Expansion Node	Max Call Arrival Rate per Node	Max Nodes per Cluster	Max Media Storage per Node	Max Video Playback per Node	Notes
UCS B/C or Specs Based	40	3 + 3 queued	20 per minute	2	12 TB	2 (Ver 10.0)	
SRE-910	60	3 + 3 queued	20 per minute	2	210 GB	none	Not supported with MediaSense 10.0 or higher
UCS-E	40	3 + 3 queued	20 per minute	2	400 GB or 700 GB++	2 (Ver 10.0)	

+ A audio call between two end points equals two Audio-Weight Media Streams.
++ Max recording storage per node on UCS E140S blades is 400GB when using 600GB SED drives, or 700GB when using 900GB 15K RPM drives.

Notes on 4 vCPU VM configuration

The 2 vCPU VM configuration can be used for a Primary or a Secondary Cisco MediaSense node. Expansion nodes are not supported with this configuration. This configuration is available for deployment on the UCS-E servers. Look for details here Cisco_MediaSense_on_UCSE

Disk Requirements For a Primary or Secondary Node

Disk 1 - 80GB for O/S
Disk 2 - 80GB for Database and working storage
Disk 3 - 210 GB Minimum. Can be expanded to 12 TB

Disk Requirements For a Expansion Node

Expansion Nodes are not supported with this virtual machine configuration.

Supported Capabilities

Physical Hardware	Audio-Weight Media Streams Supported Per Node +	Concurrent API Requests Supported per non-Expansion Node	Max Call Arrival Rate per Node	Max Nodes per Cluster	Max Media Storage per Node	Max Video Playback per Node	Notes

UCS B/C or Specs Based	200	10 + 5 queued	2 per second	2	12 TB	4 (Ver 10.0)	
UCS-E	120	10 + 5 queued	2 per second	2	400 GB or 700 GB++	2 (Ver 10.0)	

+ A audio call between two end points equals two Audio-Weight Media Streams.
++ Max recording storage per node on UCS E140S blades is 400GB when using 600GB SED drives, or 700GB when using 900GB 15K RPM drives.

Notes on 7 vCPU VM configuration

The 7 vCPU VM configuration can be used for a Primary, Secondary or an Expansion Cisco MediaSense node.

Disk Requirements For a Primary or Secondary Node

Disk 1 - 80GB for O/S
Disk 2 - 600GB for Database and working storage
Disk 3 - 210 GB Minimum. Can be expanded to 12 TB

Disk Requirements For a Expansion Node

Disk 1 - 80GB for O/S
Disk 2 - 80GB for Database and working storage
Disk 3 - 210 GB Minimum. Can be expanded to 12 TB

Supported Capabilities

Physical Hardware	Audio-Weight Media Streams Supported Per Node+	Concurrent API REquests Supported per non-Expansion Node	Max Call Arrival Rate per Node	Max Nodes per Cluster	Max Media Storage per Node	Max Video Playback per Node	Notes
UCS B/C or Specs Based	400	15 + 10 queued	2 per second	5	12 TB	40 (Ver 10.0)	

+ A audio call between two end points equals two Audio-Weight Media Streams.

IOPS and Storage System Performance Requirements

Summary of IOPS for Cisco MediaSense (Data from the 10.0(1) release):

	O/S Partition	Database Partition	Media Partition
Average IOPS (ops/sec)	75	400	75

Average Bandwidth (kbytes/sec)	1400	10000	2100

Summary of IOPS for Cisco MediaSense (Data from the 9.1(1) release):

	O/S Partition	**Database Partition**	**Media Partition**
Average IOPS (ops/sec)	100	1700	50
Average Bandwidth (kbytes/sec)	2000	7300	1000