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## Version 11.0

[OVA Download Location for Cisco MediaSense](#) . Select MediaSense Virtual Machine Templates->Version

| Component & Capacity Point                | <u>VM Configuration Requirements</u><br>click to download OVA file for this version |             |                           |             |                | Supported UCS-E Hardware                   |  |
|---|---|-------------|---------------------------|-------------|----------------|--|--|
|   | <u>vCPU</u>   | <u>vRAM</u> | <u>vDisk</u>              | <u>vNIC</u> | <u>SRE-910</u> | <u>Cisco UCS E140S (Single-Wide Blade)</u> | <u>Cisco UCS E140D, E140DP, E160D, and E160DP (Double-Wide Blades)</u> |
| 2vCPU Config<br><a href="#">See notes</a> | 2   | 6 GB        | <a href="#">See notes</a> | 1           | No             | Yes  | Yes  |
| 4vCPU Config<br><a href="#">See notes</a> | 4   | 8 GB        | <a href="#">See notes</a> | 1           | No             | Yes  | Yes  |

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0, 5.1, 6.0
- [Click for "IOPS"](#)

|   |   |      |                           |   |    |     |     |
|---|---|------|---------------------------|---|----|-----|-----|
| 2vCPU Config<br><a href="#">See notes</a> | 2 | 6 GB | <a href="#">See notes</a> | 1 | No | Yes | Yes |
| 4vCPU Config<br><a href="#">See notes</a> | 4 | 8 GB | <a href="#">See notes</a> | 1 | No | Yes | Yes |

## Version 10.x

[OVA Download Location for Cisco MediaSense](#) . Select MediaSense Virtual Machine Templates->Version

**VM Configuration**

**Requirements**

**click to download OVA file for this version**

**Supported UCS-E Hardware**

**Component & Capacity Point**

| <u>vCPU</u> | <u>vRAM</u> | <u>vDisk</u> | <u>vNIC</u> | <u>SRE-910</u> | <u>Cisco UCS E140S (Single-Wide Blade)</u> | <u>Cisco UCS E140D, E140DP, E160D, and E160DP (Double-Wide Blades)</u> |
|-------------|-------------|--------------|-------------|----------------|--|--|
|-------------|-------------|--------------|-------------|----------------|--|--|

- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 4.0,4.1,5.0, 5.1, 5.5 with 10.5, 6.0 with 10.5
- **Click for "IOPS"**

|                                  |   |      |                  |   |    |     |     |
|----------------------------------|---|------|------------------|---|----|-----|-----|
| 2vCPU Config<br><u>See notes</u> | 2 | 6 GB | <u>See notes</u> | 1 | No | Yes | Yes |
| 4vCPU Config<br><u>See notes</u> | 4 | 8 GB | <u>See notes</u> | 1 | No | Yes | Yes |

**Version 9.x**

**OVA Download Location for Cisco MediaSense** . Select MediaSense Virtual Machine Templates->Version

**VM Configuration**

**Requirements**

**click to download OVA file for this version**

**Supported UCS-E Hardware**

**Component & Capacity Point**

| <u>vCPU</u> | <u>vRAM</u> | <u>vDisk</u> | <u>vNIC</u> | <u>SRE-910</u> | <u>Cisco UCS E140S (Single-Wide Blade)</u> | <u>Cisco UCS E140D, E140DP, E160D, and E160DP (Double-Wide Blades)</u> |
|-------------|-------------|--------------|-------------|----------------|--|--|
|-------------|-------------|--------------|-------------|----------------|--|--|

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

|                                  |   |      |                  |   |     |     |     |
|----------------------------------|---|------|------------------|---|-----|-----|-----|
| 2vCPU Config<br><u>See notes</u> | 2 | 6 GB | <u>See notes</u> | 1 | Yes | Yes | Yes |
|----------------------------------|---|------|------------------|---|-----|-----|-----|

**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.

## 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

## 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   |
|-------------------|--|--|--------------------------------|-----------------------|----------------------------|-----------------------------|---|
| 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)                | See here for Supported CPUs - <a href="#">TechNotes</a> |

+ 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 4 vCPU VM configuration can be used for a Primary or a Secondary Cisco MediaSense node. Expansion nodes are not supported with this configuration.

## 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

## 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-E             | 120  | 10 + 5 queued  | 2 per second                   | 2                     | 400 GB or 700              | 2 (Ver 10.0)                |       |

|  |  |  |  |  |      |  |  |
|--|--|--|--|--|------|--|--|
|  |  |  |  |  | GB++ |  |  |
|--|--|--|--|--|------|--|--|

+ 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.

## UCS-E Server Model Additional Information

| Server Model | Width   | Number of CPU Cores | Number of Disks | Notes   |
|--------------|---------|---------------------|-----------------|---|
| UCS-E140S    | 1 Slot  | 4                   | 2               | See here for Supported CPUs - <a href="#">TechNotes</a>   |
| UCS-E140D(p) | 1 Slot  | 4                   | 2 or 3          | The third disk can be used for extra media storage. See here for Supported CPUs - <a href="#">TechNotes</a> |
| UCS-E160S    | 2 Slots | 6                   | 2               | See here for Supported CPUs - <a href="#">TechNotes</a>   |
| UCS-E160D(p) | 2 Slots | 6                   | 2 or 3          | The third disk can be used for extra media storage. See here for Supported CPUs - <a href="#">TechNotes</a> |

## IOPS and Storage System Performance Requirements

### Release 11.0 IOPS

#### 2 vCPU IOPS for version 11.0

| Disks       | IOPS - Peak | IOPS - 95% | IOPS - Avg | Disk Read/Write(kbps) - Peak | Disk Read/Write(kbps) - 95% | Disk Read/Write(kbps) - Avg |
|-------------|-------------|------------|------------|------------------------------|-----------------------------|-----------------------------|
| OS Disks    | 70          | 65         | 50         | 1500                         | 1200                        | 800                         |
| DB Disks    | 45          | 30         | 15         | 800                          | 250                         | 150                         |
| Media Disks | 60          | 55         | 35         | 2300                         | 2100                        | 1200                        |

#### 4 vCPU IOPS for version 11.0

| Disks       | IOPS - Peak | IOPS - 95% | IOPS - Avg | Disk Read/Write(kbps) - Peak | Disk Read/Write(kbps) - 95% | Disk Read/Write(kbps) - Avg |
|-------------|-------------|------------|------------|------------------------------|-----------------------------|-----------------------------|
| OS Disks    | 125         | 90         | 65         | 3300                         | 2100                        | 1200                        |
| DB Disks    | 70          | 50         | 25         | 2000                         | 750                         | 450                         |
| Media Disks | 175         | 160        | 135        | 5300                         | 5100                        | 4600                        |