 **Note:** Product documentation may reflect varying names that appear in the application user interfaces and application programming interfaces of this product. These names may include Cisco SocialMiner, mmca, and ccp.

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Version 10.6(1)

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<u>Component & Capacity Point</u>	<u>Preloaded with Business Edition?</u>	<u>VM Configuration Requirements</u> click to download OVA file for this version				<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 Reference Intel Xeon Configurations</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>R</u>

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

Small deployment option See notes	No	2	8 GB	2x 80 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Large deployment option	No	4	12 GB	1x 146 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Virtualization_for_Cisco_SocialMiner

[See notes](#)



1x
256
GB



Version 10.5(1)

[Click here for a Legend](#)

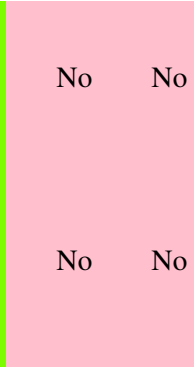
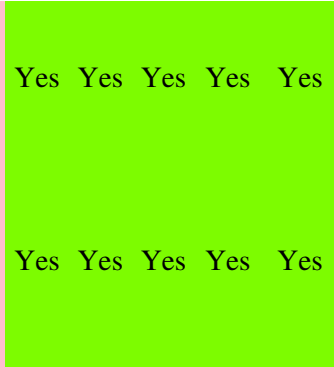
<u>Component & Capacity Point</u>	<u>Preloaded with Business Edition?</u>	<u>VM Configuration Requirements</u> click to download OVA file for this version				<u>Supported Hardware (Latest)</u>						<u>Supported Hardware (Older)</u>				
		<u>vCPU</u>	<u>vRAM</u>	<u>vDisk</u>	<u>vNIC</u>	<u>UCS Tested 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 Reference Intel Xeon Configurations</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>R</u>

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

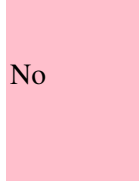
Small deployment option
[See notes](#)



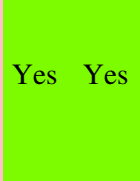
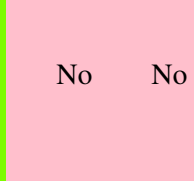
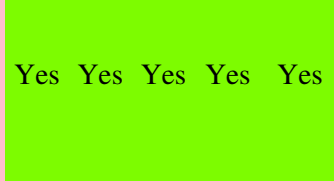
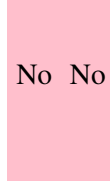
2 8 GB 2x 80 GB 1



Large deployment option
[See notes](#)



4 12 GB 1x 146 GB 1x 256 GB 1



Version 10.0(1)

[Click here for a Legend](#)

<u>Component & Capacity Point</u>	<u>Preloaded with Business Edition?</u>	<u>VM Configuration Requirements</u> click to download OVA file for this version				<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 Tested</u>			

S is same as BE6000 MD
 S+ is same as BE6000 HD
 M includes BE7000

Specs-based on Reference Specs-based on
Intel Xeon Configurations Intel

	<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>R</u>	<u>U</u>
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- **Co-residency support** = Full
- **Supported Versions of VMware vSphere ESXi** = 5.0, 5.1
- **Click for "IOPS"**

Small deployment option <u>See notes</u>	No	2	8 GB	2x 80 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Large deployment option <u>See notes</u>	No	4	12 GB	1x 146 GB 1x 256 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Version 9.0(x)

[Click here for a Legend](#)

VM Configuration Requirements
[click to download OVA file for this version](#)

Supported Hardware (Latest)

Supported Hardware (Older)

<u>Component & Capacity Point</u>	<u>Preloaded with Business Edition?</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 Reference Specs-based on Intel Xeon Configurations Intel</u>		<u>UCS Tested</u>	<u>UCS 3rd-party</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>R</u>	<u>U</u>

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

Small deployment option <u>See notes</u>	No	2	8 GB	2x 80 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	No	4	12 GB		1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

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Large deployment option See notes		1x 146 GB 1x 256 GB												
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Version 8.5(4+)

[Click here for a Legend](#)

Component & Capacity Point	Preloaded with Business Edition?	VM Configuration Requirements click to download OVA file for this version				Supported Hardware (Latest)						Supported Hardware (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 Configurations		UCS Tested Reference Specs-based on Intel	
						S	S+	M	L	XL	2XL	Full UC Perf. CPU	Restricted UC Perf. CPU	S	M

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

Small deployment option See notes	No	2	8 GB	2x 80 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Large deployment option See notes	No	4	12 GB	1x 146 GB	1	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes

Notes on Small deployment option VM configuration

Capacity = 30 concurrent social media users and 120 simultaneous chats.

vDisk 1 used for Operating system, SocialMiner application binaries, Reporting database.

vDisk 2 used for Data store, Index store, ActiveMQ store, Unified OS logs and SocialMiner logs

Notes on Large deployment option VM configuration

Capacity = 60 concurrent social media users and 400 simultaneous chats.

vDisk 1 used for Operating system, SocialMiner application binaries, Reporting database.

vDisk 2 used for Data store, Index store, ActiveMQ store, Unified OS logs and SocialMiner logs

IOPS and Storage System Performance Requirements

The minimum SocialMiner IOPS requirement is 1400. Upgrades require 3000 IOPS for optimal performance.

Other Requirements for Cisco SocialMiner

Hardware

Before you install the SocialMiner software in any server, you must address the following requirements:

- The VM disk allocation time depends on your VM environment. If you have created several VMs on the host server, your disk allocation takes a longer time. If you have not created any VM in your host server, your disk allocation takes a shorter time. During the course of testing in various environments at Cisco Systems, disk allocation has taken anywhere from 2 minutes to 2 hours for a 34 GB data space. Depending on your space requirement, be sure to make this empty space available for all SocialMiner deployments
- If you are performing a fresh install of SocialMiner in any deployment, be sure to verify that the virtual machine is also fresh (no previously-installed OS is present in the VM).

Virtualization Software

All SocialMiner servers run on VMs using the Unified Communications Operating System (Unified OS or UCOS).

If you are using version 4.1 of VMware vSphere ESXi, then configure the installed ESXi 4.1 host as follows to ensure normal networking performance:

1. Use vSphere Client to log in to the ESXi host or its vCenter.
2. Select host --> Configuration --> Advanced Settings (under Software).
3. Select Net and scroll almost to the bottom, about 3/4 of the way down.
4. Set the following parameters from 1 to 0:

- ◇ Net.VmxnetSwLROSL
- ◇ Net.Vmxnet3SwLRO
- ◇ Net.Vmxnet3HwLRO
- ◇ Net.Vmxnet2SwLRO
- ◇ Net.Vmxnet2HwLRO

Reboot the ESXi host to activate these changes.

Deploying Virtual Machines for Cisco SocialMiner

Perform the following steps in vSphere client to deploy the Virtual machines:

1. Highlight the host or cluster to which you wish the VM to be deployed.
2. Select **File > Deploy OVF Template**.
3. Click the **Deploy from File** radio button and specify the name and location of the file you downloaded in the previous section OR click the **Deploy from URL** radio button and specify the complete URL in the field, then click Next.
4. Enter the name of the VM machine that you are creating and the location where it will be created
5. Choose the type of deployment (Large or Small)
6. Choose the datastore on which you would like the VM to reside - be sure there is sufficient free space to accommodate the new VM, then click **Next**.
7. Verify the deployment settings, then click **Finish**.
8. Update boot order (following the instructions below).
9. Insert the SocialMiner disk and follow the instructions in the installation section of the [SocialMiner User Guide](#).

Changing the Boot Order of the Virtual Machine

You must change the boot order of the Virtual Machine so that the system boots off the CD/DVD drive for the install.

To change the boot order of the Virtual Machine:

1. In VMware vSphere Client, power off the virtual machine onto which you deployed the OVA template.
2. In the left pane of vSphere Client, right-click the name of the virtual machine, and select **Edit Settings**.
3. In the Virtual Machine Properties dialog box, select the Options tab.
4. In the Settings column, under Advanced, select **Boot Options**.
5. Under Force BIOS Setup, check the **The Next Time the Virtual Machine Boots, Force Entry into the BIOS Setup Screen** check box.
6. Click **OK** to close the Virtual Machine Properties dialog box.
7. Power on the virtual machine (The virtual machine boots into the BIOS menu)

The virtual machine will boot into the BIOS menu.

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1. Navigate to the Boot menu and change the boot device order so the CD-ROM device is listed first and the Hard Drive device is listed second.
2. Save the change and exit BIOS setup.

Note: After finishing the installation, consider changing the boot order back so that the Hard Drive device is again listed before the CD-ROM device.

Back to: Unified Communications in a Virtualized Environment