



## INTEGRATION NOTE



### **Installing and Configuring the Microsoft OCS Plug-in for Cisco Unified Videoconferencing Manager Release 5.6**

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## **1 Overview**

The Cisco Unified Videoconferencing Manager plug-in for Microsoft Office Communicator Server (OCS) 2007 enables OCS users to join MCU conferences.

The plug-in inserts a tab at the bottom of the OCS client interface. Users access MCU conferences by entering a conference ID in this tab.

## 2 Prerequisites

- A functional Cisco Unified Videoconferencing Manager server synchronized with Microsoft Active Directory and operating in Single Sign-on (SSO) mode.
- OCS 2007 server installed on your network.
- The ocs2007.reg registry file provided on the Cisco Utilities and Documentation CD-ROM supplied with the product (used to display the OCS tab on OCS 2007 client machines).

## 3 How to Configure the Cisco Unified Videoconferencing Manager Server

- [Increasing the Maximum Allowed SDP Buffer Size, page 2](#)
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- [Setting MCU SIP Mode, page 3](#)

### Increasing the Maximum Allowed SDP Buffer Size

#### Procedure

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- Step 1** Use a text editing tool to open the SIPConfig.xml file located by default under  
C:\Program Files\Cisco\Unified Videoconferencing Manager\CUVCMRM\sipserver\conf
- Step 2** Locate the <SIPStack> tag and add the following text to change the maximum SDP buffer size allowed by Cisco Unified Videoconferencing Manager to 3072 Kbps:
- ```
<SIPStack>
...
  <Stack>
    <StackTcpEnabled>true</StackTcpEnabled>
    <StackSendReceiveBufferSize>3072
    </StackSendReceiveBufferSize>
  </Stack>
...
</SIPStack>
```
- Step 3** Save and close the SIPConfig.xml file.
- Step 4** If there is a UpdatedSIPConfig.xml file in the same directory as the SIPConfig.xml file, delete the UpdatedSIPConfig.xml file.
- Step 5** Restart the “Cisco Cisco Unified Videoconferencing Manager” and “Cisco SipServer” services.
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### Defining a Microsoft OCS Server

#### Procedure

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- Step 1** Go to **Admin > Resource Management > Gatekeeper/SIP Server** in the Cisco Unified Videoconferencing Manager web user interface.
- Step 2** Enter the IP address or FQDN of the Microsoft OCS server.
- Step 3** Select Microsoft OCS as the model type.
- Step 4** Enter the domain of the Microsoft OCS server in the SIP Domain field.

- Step 5** If you are using the OCS server FQDN instead of an IP address, define Primary and Alternate DNS servers for the Cisco Unified Videoconferencing Manager host machine.
- Step 6** Click OK to save your changes.
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## Setting MCU SIP Mode

### Procedure

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- Step 1** Go to **Admin > Resource Management > MCU** in the Cisco Unified Videoconferencing Manager web user interface.
- Step 2** Add a new MCU or select an existing MCU for operation in SIP mode.
- Step 3** When there is no Cisco IOS H.323 Gatekeeper defined in the system, select **MCU operates in SIP only mode**.
- Step 4** Click OK to save your changes.
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## 4 Configuring the Cisco Unified Videoconferencing 3500 MCU

### Procedure

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- Step 1** Go to **MCU > Protocols > SIP** in the MCU web user interface.
- Step 2** Select **Enable SIP protocol**.
- Step 3** Select **Using Microsoft OCS**.
- Step 4** Enter the IP address of the Cisco Unified Videoconferencing Manager server in the Specify address field.
- Step 5** Enter 5060 in the port field.
- Step 6** Select **Treat as outbound proxy**.
- Step 7** Click **Advanced SIP Settings**.
- Step 8** Select **Enable Video Fast Update**.
- Step 9** Unselect **Use 'Empty Invite' when sending Invite messages to endpoints**.
- Step 10** Click OK to save your changes.
- Step 11** Go to **MCU > Settings > Advanced** and ensure that **Register conference ID** is not selected.
- Step 12** Go to **MCU > Services** and ensure that the first audio codec in the MCU service definition is G722.1
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## 5 Configuring the OCS 2007 Server

### Procedure

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- Step 1** Go to **Administrative Tools > Office Communicator 2007** in the OCS 2007 user interface.
- Step 2** Expand the Standard Edition Servers tree view.
- Step 3** Right click **rvcn-ocs2007.ocs2007.com** and select **Properties > Front End Properties**.
- Step 4** Add TCP support for inbound connections.
- Step 5** Return to **Administrative Tools > Office Communicator 2007**.
- Step 6** Expand the Standard Edition Servers tree view.

- Step 7** Right click `rvcn-ocs2007.ocs2007.com` and select **Properties > Front End Properties**.
- Step 8** Click **Host Authorization**.
- Step 9** Add the Cisco Unified Videoconferencing Manager server and the MCU as trusted devices.
- Step 10** Click **OK** to save your changes.
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## 6 How to Configure the OCS 2007 Client

This section describes how to modify the `ocs2007.reg` registry file to display the OCS tab on OCS 2007 client machines. You can configure this change in registry settings in the domain controller and push it out to all client machines within the domain using a group policy.

- [Configuring the ocs2007.reg Registry File, page 4](#)
- [Configuring the tab.xml File, page 4](#)

### Configuring the ocs2007.reg Registry File

#### Procedure

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- Step 1** Locate the `ocs2007.reg` registry file on the Cisco Utilities and Documentation CD-ROM supplied with the product.
- Step 2** Open the file with a text editing tool.
- Step 3** Locate the text shown below:
- ```
Windows Registry Editor Version 5.00
[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Communicator]
"TabURL"="http://Server_Name.Server_Domain:Port/ocs/jsp/oc/tab.xml"

[HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet
Settings\ZoneMap\Domains\Server_Domain\Server_Name] "http"=dword:00000002"
```
- Step 4** Change `Server_Name` to the machine name of the Cisco Unified Videoconferencing Manager server.
- Step 5** Change `Server_Domain` to your organization domain. For example, "mycompany.com".
- Step 6** Verify that you can access the `tab.xml` file using the URL defined for "TabURL".
- Step 7** Save and close the `ocs2007.reg` file.
- Step 8** Run the `ocs2007.reg` file.
- Step 9** Go to Internet Explorer and confirm that the Cisco Unified Videoconferencing Manager server is added as a trusted site. If not, manually add the Cisco Unified Videoconferencing Manager server as a trusted site.
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### Configuring the tab.xml File

#### Procedure

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- Step 1** Use a text editing tool to open the `tab.xml` file located by default under `C:\Program Files\Cisco\Unified Videoconferencing Manager\CUVCMRM\jboss\server\default\deploy\ocs.ear\ocs.war\jsp\oc`

- Step 2** Locate the text shown below in bold:

```
<?xml version="1.0"?>
  <tabdata>
    <tab>
```

```
<image>http://Server_URL:Port/ocs/jsp/oc/scopialogo32x32.png</image>
<name>CUVCM Meeting</name>
<tooltip>Join CUVCM Meeting</tooltip>
<contenturl>http://Server_URL:Port/ocs/wardress/oc/INIT/ocentry</contenturl>
<userid>>true</userid>
<contactid>>true</contactid>
<accessibility>both</accessibility>
</tab>
</tabdata>
```

**Step 3** Change the value of Server\_URL to the URL of the Cisco Unified Videoconferencing Manager server.

The value of Server\_URL cannot be "local\_host".

Since accessing the Virtual Room link in the OCS tab requires Single Sign-on with Microsoft Active Directory, the value of Server\_URL should be the Cisco Unified Videoconferencing Manager server host machine name on the LAN without "." in the name.

If the value of Server\_URL is an IP address or contains ".", add the value of Server\_URL as a trusted site in your Internet Explorer.

**Step 4** Save and close the file.

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## 7 Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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