

iVIEW Suite for Microsoft OCS 2007 and 2007 R2 Version 7.1



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ABOUT THIS MANUAL

The [iVIEW Suite for Microsoft Office Communicator Server 2007 and 2007 R2 Deployment Guide](#) provides information on the configuration of network devices required to successfully deploy the iVIEW Suite plug-in for Microsoft Office Communicator Server 2007 and 2007 R2.

RELATED DOCUMENTATION

Documentation is available on the RADVISION Utilities and Documentation CD-ROM supplied with the product and includes manuals and online helps. The manuals are in PDF format.

Note You require Adobe Acrobat Reader version 6.0 or later to open the PDF files. You can download Acrobat Reader free of charge from www.adobe.com.

CONVENTIONS USED IN THIS MANUAL

Microsoft Office Communicator Server is sometimes referred to as “OCS” throughout this manual.

FEEDBACK

The team at RADVISION constantly endeavors to provide accurate and informative documentation. If you have comments or suggestions regarding improvements to future publications, we would value your feedback.

Please send your comments to doc_comments@radvision.com.

We thank you for your contribution.

DEPLOYING THE iVIEW SUITE PLUG-IN FOR MICROSOFT OFFICE COMMUNICATOR SERVER (OCS)

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- [Prerequisites](#) on page 1
- [How to Configure the iVIEW Suite Server](#) on page 2
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OVERVIEW

The iVIEW Suite plug-in for Microsoft Office Communicator Server (OCS) 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.

PREREQUISITES

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

HOW TO CONFIGURE THE iVIEW SUITE SERVER

- [Increasing the Maximum Allowed SDP Buffer Size](#) on page 2
- [Defining a Microsoft OCS Server](#) on page 3
- [Setting MCU SIP Mode](#) on page 3

INCREASING THE MAXIMUM ALLOWED SDP BUFFER SIZE



Procedure

- 1 Back up the SIPConfig.xml file located by default under
C:\Program Files\RADVISION\iVIEW Suite\iCM\sipserver\conf
- 2 If there is an UpdatedSIPConfig.xml file in the same directory as the
SIPConfig.xml file, modify the SIP message buffer size in the
UpdatedSIPConfig.xml file.
- 3 Use a text editing tool to open the SIPConfig.xml file.
- 4 Locate the <SIPStack> tag and add the following text to change the
maximum SIP message buffer size allowed by iVIEW Suite to not less
than 6144 Kbps:

```
<SIPStack>
    ...
    <Stack>
        <StackTcpEnabled>true</StackTcpEnabled>
        <StackSendReceiveBufferSize>3072
            </StackSendReceiveBufferSize>
    </Stack>
    ...
</SIPStack>
```

- 5 Save and close the SIPConfig.xml file.
 - 6 Restart the “RADVISION iVIEW Suite” and “RADVISION SipServer”
services.
-

DEFINING A MICROSOFT OCS SERVER



Procedure

- 1 Go to **Admin > Resource Management > Gatekeeper/SIP Server** in the iVIEW Suite web user interface.
 - 2 Enter the IP address or FQDN of the Microsoft OCS server.
Both kinds of address are supported and no other components have dependencies to this information.
 - 3 Select Microsoft OCS as the model type.
 - 4 Enter the domain of the Microsoft OCS server in the SIP Domain field.
 - 5 If you are using the OCS server FQDN instead of an IP address, define Primary and Alternate DNS servers for the iVIEW Suite host machine.
 - 6 Click **OK** to save your changes.
-

SETTING MCU SIP MODE



Procedure

- 1 Go to **Admin > Resource Management > MCU** in the iVIEW Suite web user interface.
 - 2 Add a new MCU or select an existing MCU for operation in SIP mode.
 - 3 When there is no ECS defined in the system, select **MCU operates in SIP only mode**.
 - 4 Click **OK** to save your changes.
-

CONFIGURING THE MCU

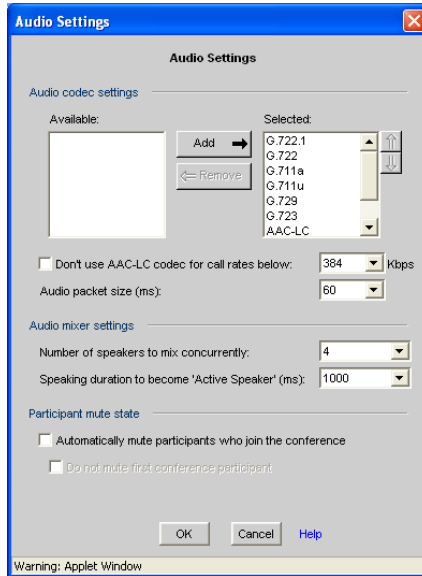
- [Configuring the SCOPIA MCU](#) section on page 4
- [Configuring the SCOPIA Elite MCU](#) section on page 5

CONFIGURING THE SCOPIA MCU



Procedure

- 1 Go to **MCU > Protocols > SIP** in the MCU web user interface.
- 2 Select **Enable SIP protocol**.
- 3 Select **Using Microsoft OCS**.
- 4 Enter the IP address of the iVIEW Suite server in the Specify address field.
- 5 Enter **5060** in the port field.
- 6 Select **Treat as outbound proxy**.
- 7 Click **Advanced SIP Settings**.
- 8 Select **Enable Video Fast Update**.
- 9 (For OCS R2) Deselect **Support reliable provisional responses (RFC 3262)**.
- 10 Deselect **Use 'Empty Invite' when sending Invite messages to endpoints**.
- 11 Click **OK** to save your changes.
- 12 Go to **MCU > Settings > Advanced** and ensure that Register conference ID is not selected.
- 13 Go to **MCU > Services** and ensure that the first audio codec in the MCU service definition is G722.1



CONFIGURING THE SCOPIA ELITE MCU



Procedure

- 1 Go to **Elite MCU > Configuration > Protocols** in the MCU web user interface.
- 2 Select the **Enable SIP protocol** check box.
- 3 Select the **Specify** option.
- 4 Enter the IP address of the iVIEW Suite server in the IP address field.
- 5 Enter 5060 in the Port field.
- 6 Select the TCP option in the Type field.

Configuring the OCS 2007 Server

Enable SIP protocol

> Default SIP domain: mcu.company.com

> SIP server

Locate automatically

Specify

IP address: 192.168.114.236

Port: 5060

Type: TCP

Use registrar

IP address: 192.168.114.236

Port: 5060

Type: TCP

More

7 Click **More**.

8 Clear **Use 'Empty Invite'** to enable sending invite messages to endpoints.

Local signaling port: 5060

Use proxy digest authentication

User name: []

Password: []

Use registrar digest authentication

User name: []

Password: []

Use 'Empty Invite' when sending Invite messages to endpoints

More

9 Click **OK** to save the changes.

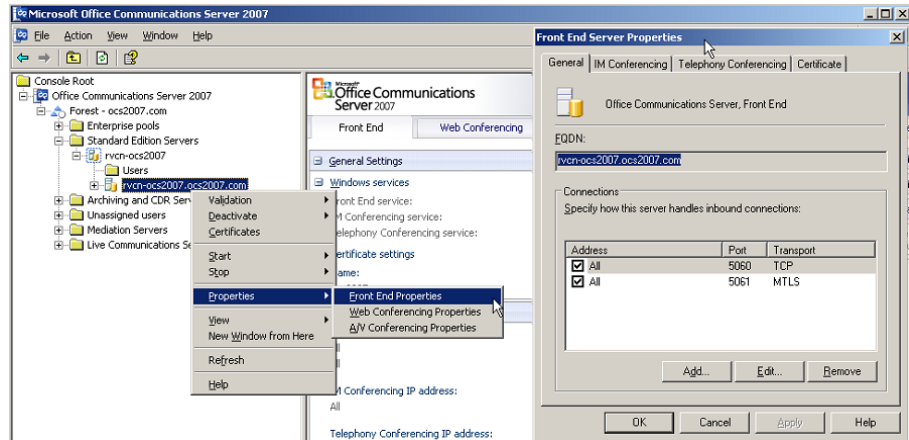
CONFIGURING THE OCS 2007 SERVER



Procedure

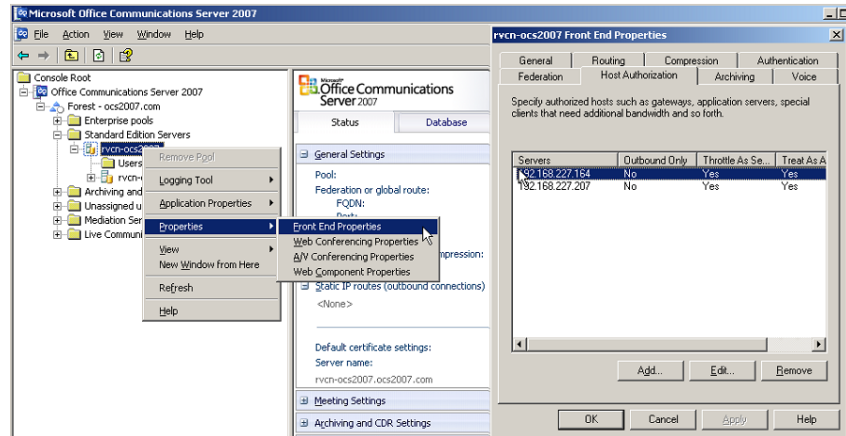
- 1 Go to **Administrative Tools > Office Communicator 2007** in the OCS 2007 user interface.
- 2 Expand the Standard Edition Servers tree view.
- 3 Right-click the OCS server name and select **Properties > Front End Properties**.

4 Add TCP support for inbound connections.



- 5 Return to Administrative Tools > Office Communicator 2007.
 - 6 Expand the Standard Edition Servers tree view.
 - 7 Right-click the OCS server name and select **Properties > Front End Properties**.
 - 8 Click **Host Authorization**.
 - 9 Add the iVIEW Suite server as a trusted device using either the IP address or FQDN of the Microsoft OCS server.
- Both kinds of address are supported and no other components have dependencies to this information.

Configuring the OCS 2007 Server



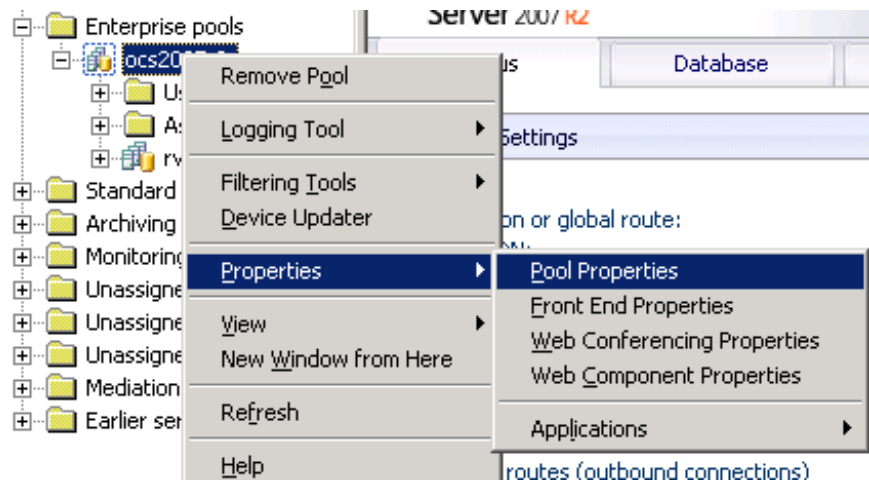
10 Click **OK** to save your changes.

CONFIGURING THE OCS 2007 SERVER R2

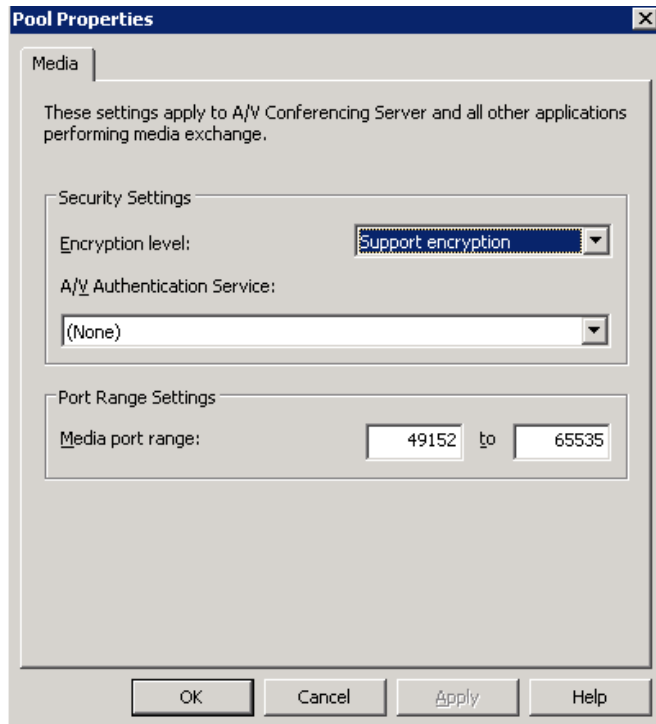


Procedure

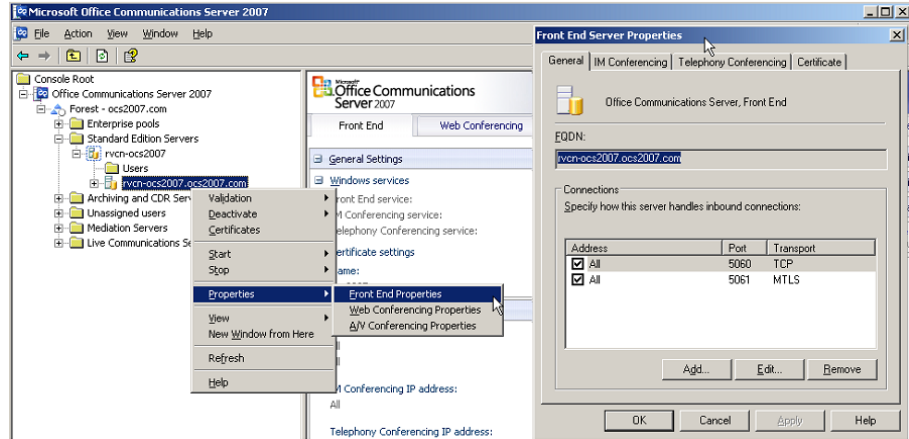
- 1 Go to **Administrative Tools > Office Communicator 2007 R2** in the OCS 2007 R2 user interface.
- 2 Expand the Enterprise pools tree view.
- 3 Right-click the OCS server name and select **Properties > Pool Properties**.



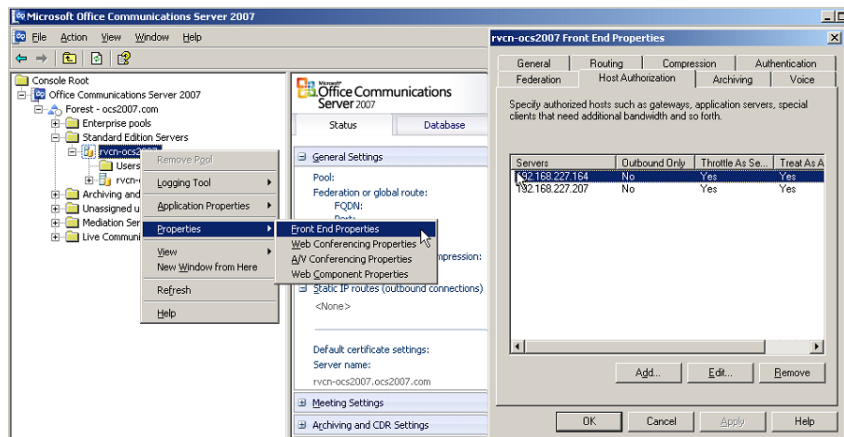
- 4 Change the media encryption level to **Support encryption**.

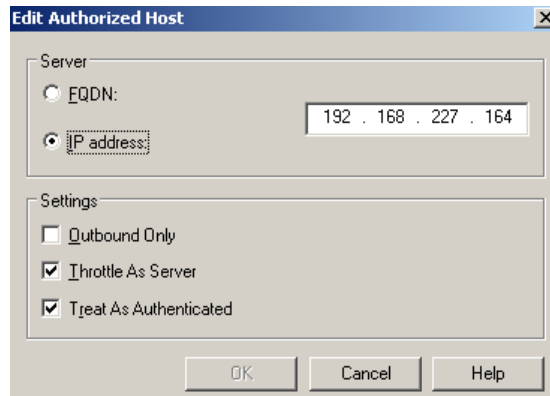


- 5 Click **OK** to save your changes.
- 6 Expand the Enterprise pools tree view.
- 7 Right-click the OCS server name and select **Properties > Front End Properties**.
- 8 Click **Add** on the General tab.
- 9 Select **TCP** in the Transport field to enable TCP support for inbound connections.
- 10 Click **OK** in the Add Connection window.
- 11 Click **OK** in the Front End Properties window.



- 12 Return to Administrative Tools > Office Communicator 2007 R2.
 - 13 Expand the Enterprise pools tree view.
 - 14 Right-click the OCS server name and select **Properties > Front End Properties**.
 - 15 Click **Host Authorization**.
 - 16 Add the iVIEW Suite server as a trusted device using either the IP address or FQDN of the Microsoft OCS server.
- Both kinds of address are supported and no other components have dependencies to this information.





17 Click **OK** to save your changes.

HOW TO CONFIGURE THE DNS SERVER

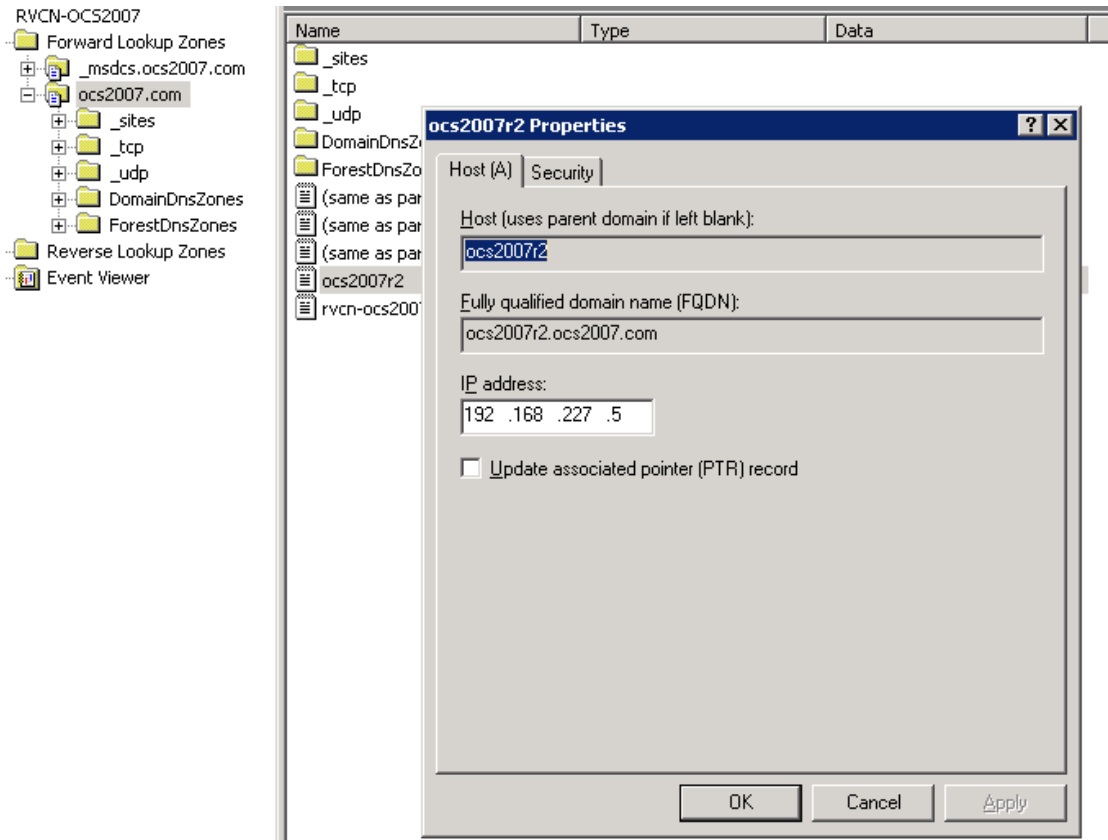
Use this procedure to define a new host for the pool name, and an SRV record for the SIP service.

Note You can skip this section if your OCS pool name and DNS server name are identical.

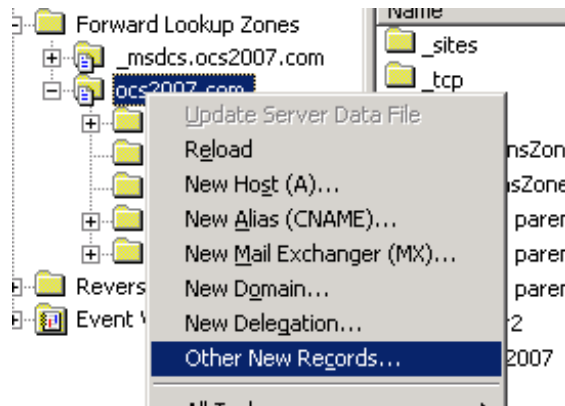


Procedure

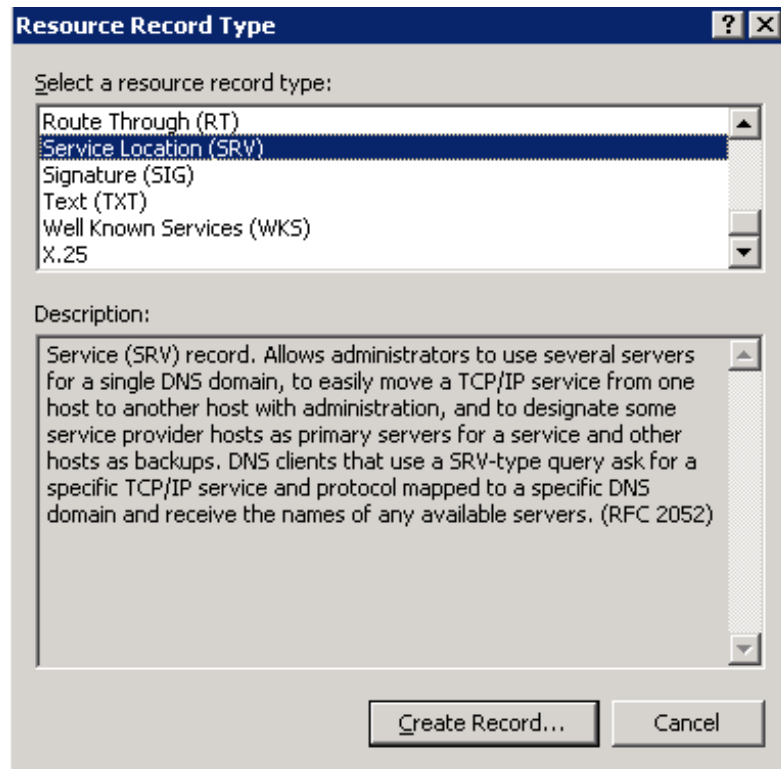
- 1 Go to **Programs > Administrative Tools > DNS**.
- 2 Right-click the OCS server name and select **New Host (A)**.
- 3 Enter the new OCS server name and IP address for the pool displayed in the Fully qualified domain name (FQDN) field.
- 4 Click **Add Host**.



- 5 Right-click the OCS server name and select **Other New Records**.



6 Select **Service Location (SRV)** and click **Create Record**.



- 7 Enter a string followed by “_sip” in the **Service** field.

The screenshot shows a 'New Resource Record' dialog box with the following fields and values:

- Domain: ocs2007.com
- Service: _sip
- Protocol: _tcp
- Priority: 0
- Weight: 0
- Port number: 5060
- Host offering this service: rvcn-ocs2007.ocs2007.com

At the bottom, there is an unchecked checkbox with the text: "Allow any authenticated user to update all DNS records with the same name. This setting applies only to DNS records for a new name." Below the checkbox are 'OK' and 'Cancel' buttons.

- 8 Click **OK** to save your changes.

HOW TO CONFIGURE THE OCS CLIENT

This section describes how to modify the ocs2007.reg registry file to display the OCS tab on OCS 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](#) on page 16
- [Dialing Directly to the MCU](#) on page 16

CONFIGURING THE ocs2007.reg REGISTRY FILE



Procedure

- 1 Locate the ocs2007.reg registry file on the RADVISION Utilities and Documentation CD-ROM supplied with the product.

- 2 Open the file with a text editing tool.

- 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\Current  
Version\Internet Settings\ZoneMap\Domains\  
Server_Domain\Server_Name] "http"=dword:00000002"
```

- 4 Change Server_Name to the machine name of the iVIEW Suite server.
 - 5 Change Server_Domain to your organization domain. For example, "mycompany.com".
 - 6 Verify that you can access the tab.xml file using the URL defined for "TabURL".
 - 7 Save and close the ocs2007.reg file.
 - 8 Run the ocs2007.reg file.
 - 9 The iVIEW Suite server must be defined as a trusted web site in the Local intranet zone. If it is not, go to your Internet Explorer security settings and manually add the iVIEW Suite server to the Local Intranet web site list.
-

DIALING DIRECTLY TO THE MCU

Users can dial directly to the MCU IP address via the "Auto Attendant" mechanism without the need to register to an H.323 gatekeeper or SIP registrar.

The Auto Attendant feature allows you to access the MCU video Interactive Voice Response (IVR) mechanism by dialing the IP address of the MCU from your H.323 or SIP endpoint.

Users then specify the conference they want to create or join via the MCU IVR.

Dialing Directly to the MCU