LifeSize® Support TechNote

Using LifeSize Systems with Microsoft Office Communications Server 2007 Standard Edition

This technical note describes the steps to integrate a LifeSize video communications device with software release v4.6 or later with Microsoft Office Communication Server (OCS) 2007 Standard Edition. LifeSize recommends using Transport Layer Security (TLS) signaling, which employs the Microsoft authentication protocol NT LAN Manager (NTLM).

After successfully completing the steps in this document, you can add LifeSize systems to your contact list in the Microsoft Office Communicator desktop so that you can place video calls between the desktop and LifeSize systems. You can also place calls from LifeSize systems to third-party systems within the OCS environment using commonly supported video codecs, such as H.263 and audio codecs, such as G.711. Additionally, you can place calls between LifeSize systems using the high definition H.264 video codec, and AAC-LC audio codec.

Note: **LifeSize does not support Microsoft Office Communications Server 2007 Enterprise Edition**.

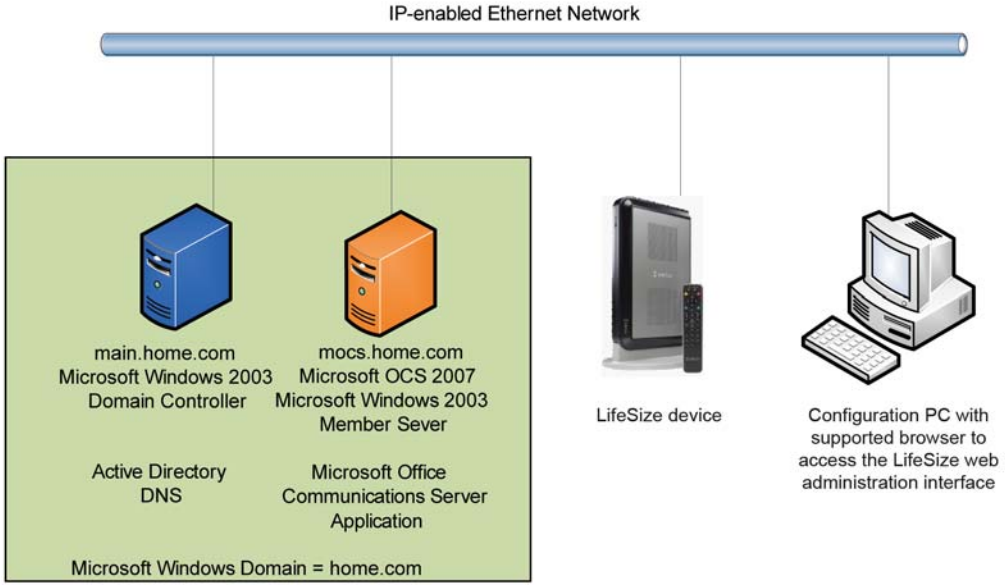
The following versions of Microsoft OCS 2007 Standard Edition and Microsoft Office Communicator 2007 are supported:

- Microsoft Office Communication Server (OCS) 2007 R1 (v3.0.6362.0)
- Microsoft Office Communication Server (OCS) 2007 R2 (v3.5.6907.0)
- Microsoft Office Communicator 2007 R1 (v2.0.6362.0)
- Microsoft Office Communicator 2007 R2 (v3.5.6907.0)

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

Server Setup

This technical note assumes that the Microsoft Office Communications Server is deployed on a separate member server within a Microsoft Windows domain. The Windows domain in this example is *home.com*. The Microsoft OCS is *mocs*. The Active Directory users are on *home.com*.



OCS Security Settings

If security levels do not match for both ends of the call, you may receive the following error:

> "Incompatible security setting
> The call could not be completed because security levels do not match"

To change the OCS security settings, complete the following steps:

1. From the Support folder of the OCS 2007 Client installation directory, copy the **Communicator.adm** security template to a local drive. If you cannot locate the template, contact your System Administrator.
2. Click **Start>Run** and enter **MMC** to load the Microsoft Management Console.
3. After the MMC has loaded, click **File>Add/Remove Snap-in**.
4. From the list of available snap-ins, select **Group Policy Object Editor**, and then click **Add**.
5. Click **Select Local Computer** and then **Close**.
6. From the MMC, expand **Local Computer Policy>Computer Configuration**.
7. Right-click the **Administrative Templates** directory and select **Add Template**.
8. Browse to the location of the copied **Communicator.adm** file and open the file.
9. Expand **Administrative Templates>Microsoft Office Communicator** and select **Microsoft Office Communicator Feature Policies**.
10. Locate **Specify encryption for computer-to-computer audio and video calls** and select the **Enabled** check box.
11. Click **OK**.
12. Restart the OCS client.

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

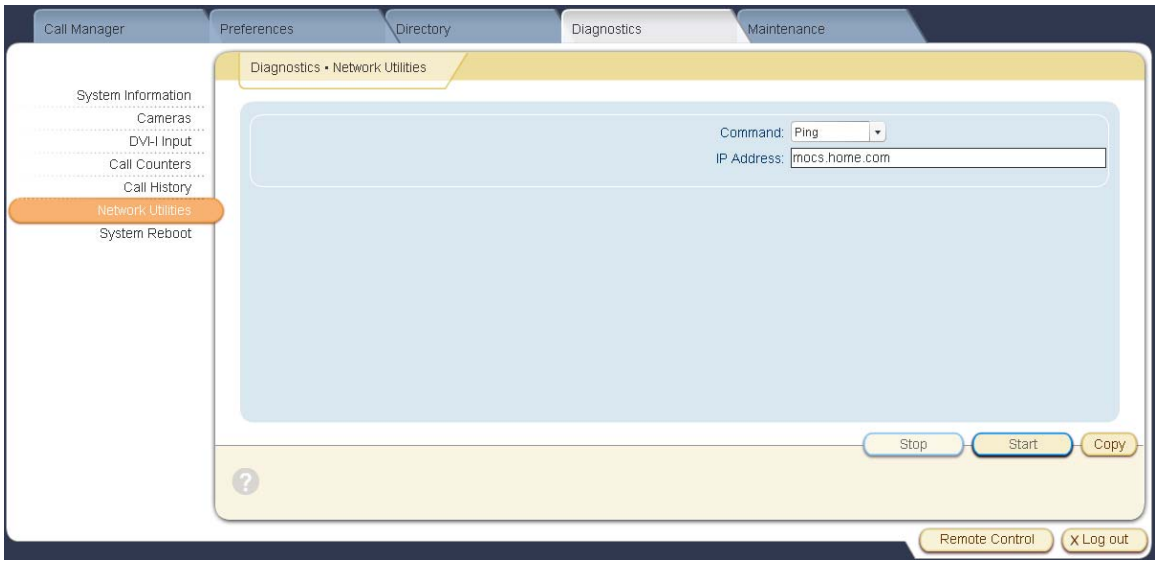
Preparation

Ensure that the LifeSize device can communicate with the Fully Qualified Domain Name (FQDN) of the Microsoft OCS server. Configure the LifeSize device with a DNS server that can resolve the Microsoft OCS FQDN.

To determine if LifeSize can communicate with the Microsoft OCS, access the web administration interface of the LifeSize device.

1. Click the **Diagnostics** tab.
2. Click **Network Utilities**.
3. For **Command**, select **Ping**.
4. In **IP Address**, enter the FQDN of the Microsoft OCS (*mocs.home.com* in this example).
5. Click **Start**.

The following screen shows an example of a LifeSize device ready to ping an OCS server called *mocs.home.com*.



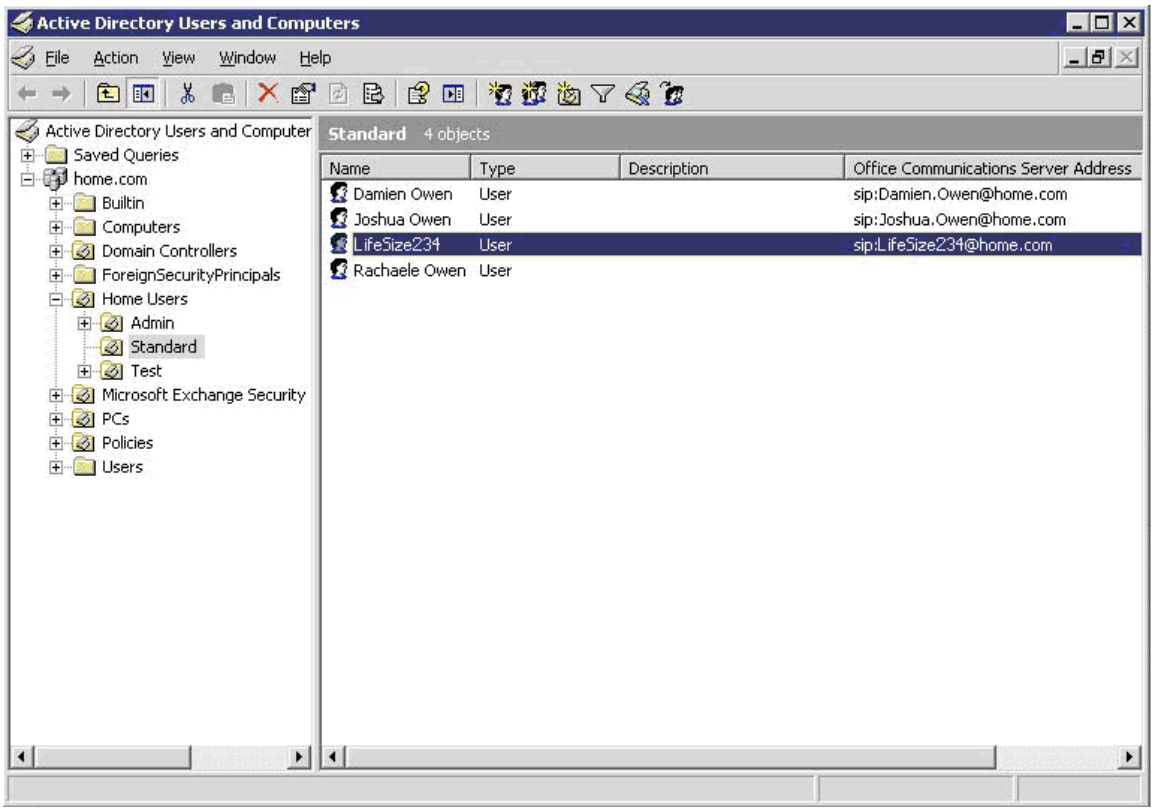
If the ping is not successful, you must resolve this issue before proceeding.

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

Creating and Configuring an OCS User

Navigate to your domain controller (*home*), and open **Active Directory User and Computers** from **Start>Administrative Tools**.

1. Right-click the Users directory and select **User** from the **New** submenu.
2. Enter a first name for the LifeSize system (this is how it will appear in other users' contact lists). For example, *LifeSize234*.
3. Enter a **Logon Name**, for example, *LifeSize234*, and select the domain name for the OCS server. For example, the logon name *LifeSize234@home*.com.
4. Click **Next**.
5. Enter a **Password**.
6. Click the **Password Never Expires** check box.
7. Click **Next**.
8. Click **Finish**.



At this point, the user created for the LifeSize device does not display its SIP ID. Close the console for the domain controller (*home*) and navigate to the console for the Microsoft OCS (*mocs*).

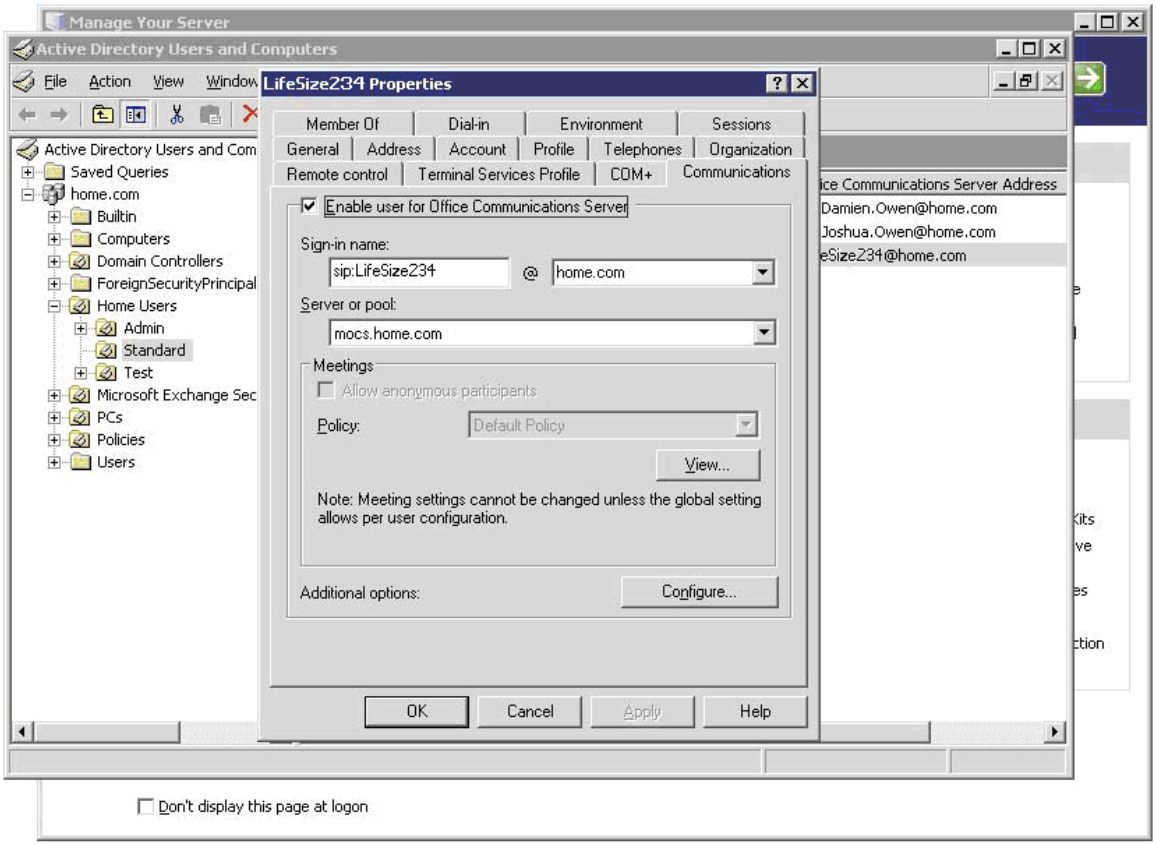
©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

Because Microsoft OCS was installed on a member server (*mocs*) and not the domain server (*home*), *mocs* will not list the **Active Directory User and Computers** option under **Start>Administrative Tools**. Instead, complete the following steps:

1. Click **Start>Run**.
2. Enter *DSA.MSC*.
3. Click **OK**.

These steps run the **Active Directory Users and Computers** plug-in.

1. From the AD Users directory, locate the user you created for the LifeSize device (in this example, *LifeSize234*).
2. Right-click *LifeSize234* and select **Properties**.
3. Select the **Communications** tab.
4. Select the **Enable user for Office Communications Server** check box.
5. Enter the username in **Sign-in name** (for example, *sip:LifeSize234*). (It may already be populated.)
6. Select the domain name from the drop down list (for example, *home.com*).
7. Select *mocs.home.com* from **Server or pool**.



8. Click **OK**.
9. Close the Active Directory console.

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

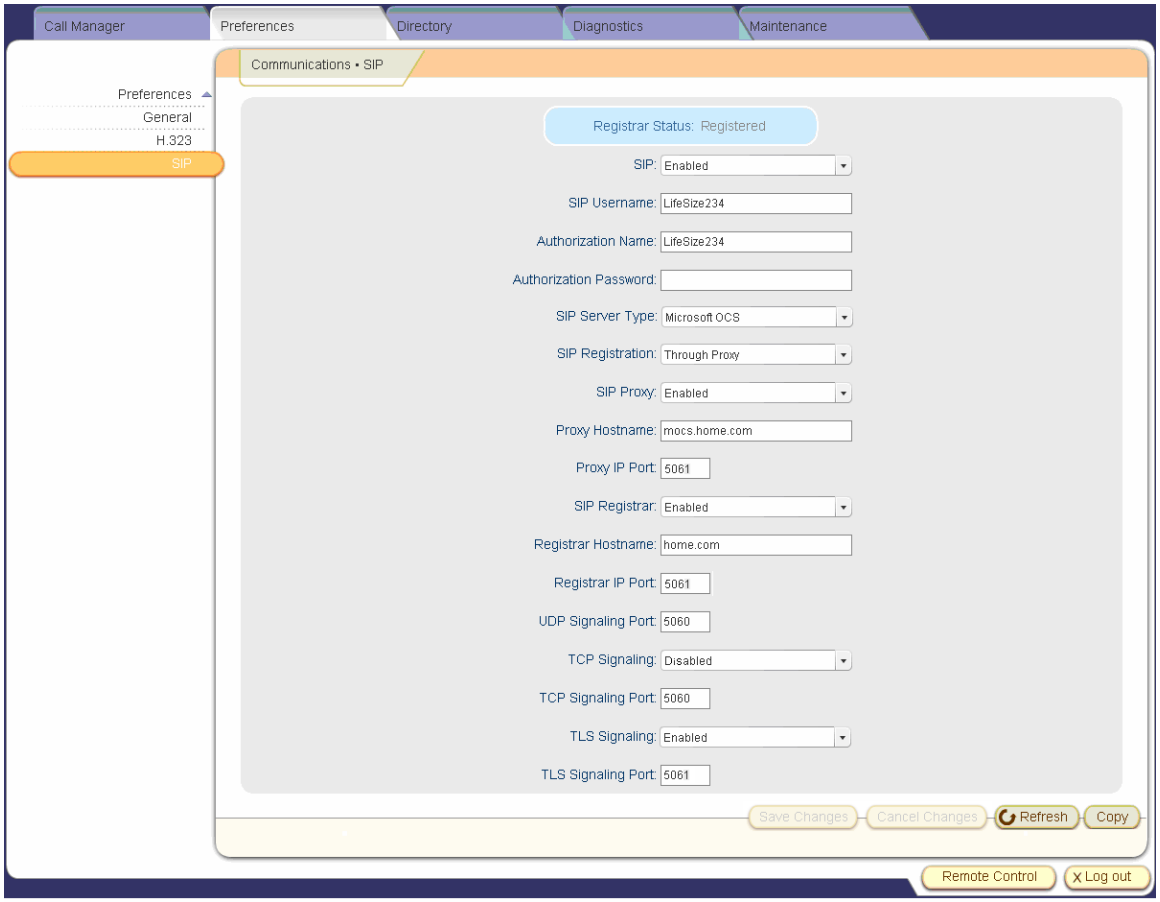
Configuring the LifeSize Device

Open the web administration interface for the LifeSize device and complete the following steps:

1. Navigate to **Preferences: Communications : SIP**.
2. Verify that **SIP** is set to *Enabled*.
3. Enter the username you created in the Active Directory for **SIP Username** (in this example, *LifeSize234*).
4. Enter the same name for **Authorization Name** (in this example, *LifeSize234*).
5. Enter the **Authorization Password** (the password set up for this user in Active Directory).
6. Set **SIP Server Type** to *Microsoft OCS*.
7. Set **SIP Registration** to *Through Proxy*.
8. Set **SIP Proxy** to *Enabled*.
9. Enter the FQDN of the Microsoft Server in **Proxy Hostname** (in this example, *mocs.home.com*).
10. Ensure that the **Proxy IP Port** is set to the TLS port of the Microsoft OCS front end server (5061 by default).
11. Set **SIP Registrar** to *Enabled*.
12. Set **Registrar Hostname** to the domain name (in this example, *home.com*).
13. Ensure that the **Registrar Port** is set to *5061*.
14. Set **TLS Signaling** to *Enabled*.
15. Ensure that the **TLS Signaling Port** is set to *5061*.
16. Click **Save Changes**.
17. Click **Refresh**.

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

18. Ensure the **Registrar Status** at the top of the page changes to *Registered*.



Adding the LifeSize System to Your Microsoft Office Communicator Contact List

1. Right-click the **Show Menu** button at the top left of the Communicator window and from the **Tools** submenu, select **Add a Contact**.
2. Click **Next**.
3. Add the username for the LifeSize system. For example, *LifeSize234@home.com*.

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.

Presence States for LifeSize Devices

LifeSize devices report a subset of Microsoft Office Communicator 2007 presence states as listed in the following table:

Presence Buttons	LifeSize Device Status	Description
	Available	The LifeSize device is online and can participate in calls.
	Busy	The LifeSize device has reached its call limit or otherwise cannot receive a call.
	In a call	The LifeSize device is engaged in a call, but can receive additional calls.
	Offline	The LifeSize device is not available.

©2005 - 2010 Logitech, and its licensors. All rights reserved.
Microsoft product screen shots reprinted with permission from Microsoft Corporation.