



Application Note

LifeSize® Video Communications System and Cisco Unified CM Administration

This application note provides the details for integrating a LifeSize video communications system with Cisco Unified CM Administration.

Use of LifeSize equipment and software components are governed by the conditions and terms of the LifeSize Communications End User License Agreement.

Requirements

The following requirements apply to this application note:

- Cisco Unified CM Administration version 6.0.1 or later
- LifeSize video communications system version 4.0 or later

In a LifeSize video communications system, LifeSize cameras and audio devices are connected to the LifeSize codec. All interaction between the Cisco system and the LifeSize system occurs through the LifeSize codec. All configuration of LifeSize system components occurs on the LifeSize codec.

Configuration Overview

The following general steps are required to integrate a LifeSize video communications system with Cisco Unified CM Administration:

1. Establish a user account for authentication, by either importing an existing user account from Active Directory or creating a new user account.
2. Using Cisco Unified CM Administration, create a new device entry and configure the new device as described in the next sections.
3. Using your web browser, configure the LifeSize codec to operate with Cisco Unified CM Administration.

Establishing User Accounts

The Cisco system requires digest credentials for use in authenticating non-Cisco devices. During configuration of the Cisco Unified CM Administration, you must select an existing user account for use in authenticating the LifeSize video communications system. The digest credential cannot be shared with any other device. This section provides instructions for creating a user account.

User accounts are either managed through Microsoft Active Directory using LDAP synchronization or managed manually. To determine which method of user account management is in use, follow these steps:

1. Using Cisco Unified CM Administration, navigate to **System→LDAP→LDAP System**.
The **LDAP System Configuration** screen appears.
2. In the **LDAP System Information** area, determine whether the **Enable Synchronizing from LDAP Server** check box is enabled.

If LDAP synchronizing is enabled, the Cisco system is managing user accounts through Active Directory. You must create the user account through Active Directory. Refer to the Active Directory documentation for specific instructions.

If LDAP synchronizing is disabled, the Cisco system is managing user accounts manually. To create a new user account, follow these steps:

- a. Using Cisco Unified CM Administration, navigate to **User Management→End User**.
The **Find and List Users** screen appears.
- b. Click **Add New**.
The **End User Configuration** screen appears.
- c. In the **User Information** area, set the following parameters:
User ID—Enter a unique user ID for the user account.
Last name—Enter a last name for the user.
Password and **PIN** are optional authentication parameters.
- d. Click **Save** to create the user account.

Configuring Cisco Unified CM Administration

LifeSize video communications systems are supported with Cisco Unified CM Administration version 6.0.1 or later as SIP extensions.

1. Using Cisco Unified CM Administration, navigate to **Device→Phone**.
The **Find and List Phones** screen appears.
2. Click **Add New**.
The **Add a New Phone** screen appears.
3. In the **Phone Type** list, select *Third-party SIP Device (Advanced)* and click **Next**.
The **Phone Configuration** screen appears.
4. Set the following parameters.
In the **Device Information** area:
MAC Address—Enter the MAC address of the device.

Device Pool—Select the pool in which to add the device.

Phone Button Template—Select *Third-party SIP Device (Advanced)*.

Common Phone Profile—Select *Standard Common Phone Profile*.

Location—Select *Hub_None* or, if you have a custom location defined, select that location.

Device Mobility Mode—Select *Default*.

In the **Protocol Specific Information** area:

Device Security Profile—Select *Third-party SIP Device Advanced – Standard SIP Non-Secure Profile*.

SIP Profile—Select *Standard SIP Profile*.

Digest User—Select a user for authentication. This is the user account you established in the previous section.

5. Click **Save** to save these changes.

The **Phone Configuration** screen changes to include an **Association Information** area.

6. In the **Association Information** area, select **Line [1]**.
7. The **Directory Number Configuration** screen appears.
8. In the **Directory Number** field, enter the number with which your endpoint will be associated.
9. Click **Save** to save the change.

Configuring the LifeSize Video Communications System

This section describes the steps necessary to configure the LifeSize video communications system to work with Cisco Unified CM Administration. For general information about installing and configuring the LifeSize video communications system, refer to the LifeSize system documentation available on the LifeSize product CD or from the Support page of www.lifesize.com.

Follow these steps to configure the LifeSize video communications system:

1. Using your web browser, access the LifeSize codec and navigate to **Preferences**→**Communications**→**SIP**.

The **Communications • SIP** screen appears.

2. Set the following parameters:

SIP—Select *Enabled*.

SIP Username—Enter the **Directory Number** you specified in the previous section.

Authorization Name—Enter the **Digest User** you specified in the previous section.

Authorization Password—Optional. Enter a password for the digest user.

SIP Registration—Select *Through Proxy*.

SIP Proxy—Select *Enabled*.

Proxy Hostname—Enter the IP address of the SIP proxy.

Proxy Port—Enter *5060* (the default setting) or the port number of Cisco Unified CM Administration.

SIP Registrar—Select *Enabled*.

Registrar Hostname—Enter either the address of Cisco Unified CM Administration with which the LifeSize codec will register. This can be either an IP address (preferred) or a fully-qualified domain name (FQDN).

Registrar IP Port—Enter *5060* (the default setting) or the port number of Cisco Unified CM Administration.

3. Click **Save Changes** to apply these changes.

Verifying Registration

To verify that the LifeSize codec is registered, follow these steps:

1. In Cisco Unified CM Administration, navigate to **Device**→**Phone**.

The **Find and List Phones** screen appears.

2. Find the LifeSize codec in the phone list.

The **Device Name** reflects the MAC address assigned to the LifeSize codec.

The **Status** reflects *Registered* if the LifeSize codec is registered.

Customer Support

LifeSize Communications welcomes your comments regarding our products and services. If you have feedback about this or any LifeSize product, please send it to feedback@lifesize.com. You may also contact LifeSize Customer Support as follows:

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