



## Technical Note

# Configuring LifeSize UVC Transit for Third Party SIP Registrars

This technical note describes how to configure LifeSize UVC Transit to interoperate with the following SIP registrars or proxies:

- Cisco Unified Communications Manager (CUCM)
- Avaya Aura Session Manager

## Configuring LifeSize UVC Transit

Routing invite requests to a third party SIP registrar requires that you add a new domain route in LifeSize UVC Transit Server. When LifeSize UVC Transit Server receives an invite request for the third party domain, LifeSize UVC Transit Server routes the request through LifeSize UVC Transit Client to the SIP registrar.

**NOTE:** To allow incoming calls from external systems to be routed to the SIP registrar in the LAN, ensure that the DNS records (on your public DNS server) for the third party domain point to LifeSize UVC Transit Server.

1. Establish a tunneled connection between LifeSize UVC Transit Server and LifeSize UVC Transit Client. In LifeSize UVC Transit Client, navigate to **Configuration : SIP** and set **Signaling mode** to *Tunneled*.
2. To add a new domain route in LifeSize UVC Transit Server, navigate to **Configuration : SIP : Domain Routing** and click **Add route**. Configure the domain route as follows:

<b>SIP domain</b>	Domain of the third party registrar or proxy in the LAN.
<b>Host port</b>	LAN IP address and port of the third party registrar. For example: 10.10.20.20:5060
<b>Tunnel</b>	Tunnel ID of the LifeSize UVC Transit Client that is connected to LifeSize UVC Transit Server. LifeSize UVC Transit Server routes requests through the tunnel to reach the third party registrar in the LAN.

3. To verify the configuration in LifeSize UVC Transit Server, navigate to **Status : Clients** and ensure that the domain route you added is registered with LifeSize UVC Transit Server through the tunnel. The host port appears as the private address.

The domain route appears also in LifeSize UVC Transit Client in **Status : Users**.

## Configuring the Third Party SIP Registrar

Follow these general steps to configure CUCM or Avaya Aura Session Manager:

1. Create a SIP trunk that points to LifeSize UVC Transit Client.
2. Add a route pattern (in CUCM) or a dial pattern (in Avaya Aura Session Manager) for the required IP address and domain for forwarding calls to LifeSize UVC Transit Client.
3. Depending on your third party SIP registrar, review the scenarios in **Configuring CUCM** or **Configuring Avaya Aura Session Manager**.

## Configuring CUCM

This section uses the following example environment:

- LifeSize UVC Transit Server serves the `transit.lifesize.com` domain.
- CUCM serves the `cucm.lifesize.com` domain.
- The tunnel ID of the LifeSize UVC Transit Client connected to LifeSize UVC Transit Server is 1111.

Using this scenario, configure LifeSize UVC Transit Server and CUCM:

1. In LifeSize UVC Transit Server, configure a new domain route:

<b>SIP domain</b>	<code>cucm.lifesize.com</code>
<b>Host port</b>	<code>cucmHostIP:Port</code>
<b>Tunnel</b>	1111

2. In CUCM, create a route pattern, such as: *destinationDomain: transit.lifesize.com SIPTrunk: TC-IP*
3. Register a user to CUCM: *ciscotest@cucm.lifesize.com*
4. Register a user to LifeSize UVC Transit Server: *transittest@transit.lifesize.com*
- Dialing from *ciscotest* as *transittest@transit.lifesize.com* connects the call as follows:  
*CUCM > LifeSize UVC Transit Client > LifeSize UVC Transit Server*
- Dialing from *transittest* as *ciscotest@cisco.lifesize.com* connects the call as follows:  
*LifeSize UVC Transit Server > LifeSize UVC Transit Client > CUCM*

## Configuring Avaya Aura Session Manager

This section uses the following example environment:

- LifeSize UVC Transit Server serves the `transit.lifesize.com` domain.
- Avaya Aura Session Manager serves the `avaya.lifesize.com` domain.
- The tunnel ID of the LifeSize UVC Transit Client connected to LifeSize UVC Transit Server is 1111.

Using this scenario, configure LifeSize UVC Transit Server and Avaya Aura Session Manager:

1. In LifeSize UVC Transit Server, configure a new domain route:

<b>SIP domain</b>	<code>avaya.lifesize.com</code>
<b>Host port</b>	<code>avayaHostIP:Port</code>
<b>Tunnel</b>	1111

2. In Avaya Aura Session Manager, create a dial pattern, such as: *11\*\*@anydomain forward to SIPTrunk: TC-IP*
3. Register a user to Avaya Aura Session Manager: *avayatest@avaya.lifesize.com*
4. Register a user to LifeSize UVC Transit Server: *1122@transit.lifesize.com*
- Dialing from *avayatest* as *1122@transit.lifesize.com* connects the call as follows:  
*Avaya Aura Session Manager > LifeSize UVC Transit Client > LifeSize UVC Transit Server*
- Dialing from *transittest* as *avayatest@avaya.lifesize.com* connects the call as follows:  
*LifeSize UVC Transit Server > LifeSize UVC Transit Client > Avaya Aura Session Manager*