



# SIP Proxy Server Configuration

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- [Configure SIP Proxy Server, on page 1](#)
- [SIP Proxy Server Settings, on page 1](#)
- [Configuration, on page 4](#)

## Configure SIP Proxy Server

### Procedure

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- Step 1** Log in to Operations Console and click **Device Management** > **SIP Proxy Server**.
- Step 2** Click **Add New** to add a new SIP Proxy server or click **Use As Template** to use the existing SIP Proxy server from the list of available SIP Proxy servers.
- Step 3** Click the following tabs and modify the default values of fields, if required:
- a) **General**. See [General Settings, on page 1](#).
  - b) **Device Pool**. See [Add or Remove Device From Device Pool](#). For information on Device Pool, see [Device Pool](#).
- Step 4** Click **Save**.

### Related Topics

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- [General Settings, on page 1](#)
- [Add or Remove Device From Device Pool](#)
- [Device Pool](#)

## SIP Proxy Server Settings

### General Settings

To configure the general settings of SIP Proxy server, on the **General** tab, enter or modify the field values, as listed in the following table:

Table 1: SIP Proxy Server General Tab Configuration Settings

Field	Description	Default	Range	Restart Required
<b>General</b>				
IP Address	The IP address of a SIP Proxy server.	None	Valid IP address	Not Applicable
Hostname	The host name of the SIP Proxy server.	None	Valid DNS name includes uppercase and lowercase letters, the numbers 0 through 9, and a dash.	Not Applicable
Device Type	The type of proxy server. <b>Note</b> Depending on the option selected, the <b>Enable Serviceability</b> fields change. See the <b>Enable Serviceability</b> options for details.	Cisco Unified SIP Proxy	Cisco Unified SIP Proxy and Cisco Unified Presence.	Not Applicable
Description	The description of the SIP Proxy server.	None	Up to 1,024 characters.	Not Applicable
Device Admin URL	The Administration URL of SIP Proxy server.	None	A valid URL. <b>Note</b> The user interface (UI) validates the URL for syntax errors. However, it cannot validate a URL for website existence.	Not Applicable
<b>Enable Serviceability</b>				
Enable Serviceability	Check this check box to enable serviceability for SIP Proxy server.	Not Applicable	Unchecked	Not Applicable

Field	Description	Default	Range	Restart Required
Username	The username required to log in to the proxy server Serviceability.	Valid names containing uppercase and lowercase alphanumeric characters, period, dash and underscore.	Not Applicable	Not Applicable
Port	The port on which Serviceability is configured on the SIP Proxy.	1 to 65535	8443	Not Applicable
<b>(For Device Type: Cisco Unified SIP Proxy)</b>				
User Password	Enter a password. This is the first level of authentication for IOS.	Valid names containing uppercase and lowercase alphanumeric characters, period, dash and underscore.	Valid names containing uppercase and lowercase alphanumeric characters, period, dash and underscore.	Not Applicable
Enable Password	The password required to log in to SIP Proxy Serviceability. This is the second level of authentication for IOS.	Must be same as password on the SIP Proxy.	Not Applicable	Not Applicable
<b>(For Device Type: Cisco Unified SIP Presence)</b>				
Password	Enter a password.	Valid names containing uppercase and lowercase alphanumeric characters, period, dash and underscore.	Valid names containing uppercase and lowercase alphanumeric characters, period, dash and underscore.	Not Applicable
Confirm Password	The password required to log in to SIP Proxy Serviceability.	Must be same as password on the SIP Proxy.	Not Applicable	Not Applicable

## Add SIP Proxy Server to Device Pool

See [Add or Remove Device From Device Pool](#). For information on Device Pool, see [Device Pool](#).

**Related Topics**

- [Add or Remove Device From Device Pool](#)
- [Device Pool](#)

## Configuration

If only a single SIP Proxy Server is needed for outbound call routing from the Call Server, choose the SIP Proxy configuration when configuring the SIP Service. In the Unified CVP Operations Console Server, configure the following:

- Add a SIP Proxy Server and specify the IP address of the server.

Under the Call Server SIP Service settings, configure the following:

- Enable Outbound Proxy = True
- Use DNS SRV type query = False
- Outbound Proxy Host = SIP Proxy Server configured above

When using multiple SIP Proxy Servers for outbound redundancy from the Call Server, configure the SIP Proxy with a DNS name and configure DNS SRV records in order to reach the SIP Proxy Servers. The DNS SRV records can exist on an external DNS Server, or they can be configured in a local DNS SRV record on each CVP server. In the OAMP Console, configure the following:

- Add a SIP Proxy Server and specify DNS name of the server.

Under SIP Service configuration, configure the following:

- Enable Outbound Proxy = True
- Use DNS SRV type query = True

The DNS SRV record should then be configured with the list of SIP Proxy Servers.

To configure the Local DNS SRV record on each server, under the SIP service configuration, check **Resolve SRV records locally**.

To use a server group for redundant Proxy Servers:

1. Select **resolve SRV records locally** and enter the name of the server group for the outbound proxy domain name.
2. Under **System > Server Groups**, create a new server group with two proxy servers that have priority 1 and 2.
3. Deploy the server group configuration to the Call Server.