



XMPP Federation through IM and Presence Service

- [XMPP Federation through IM and Presence Service, on page 1](#)

XMPP Federation through IM and Presence Service

This federation enables IM and Presence Service users in one enterprise domain to exchange presence information and Instant Messaging (IM) with users in external domains. This scenario does not involve Expressway.



Important

This section only provides summary information. For configuration information and other details about deploying XMPP federation managed by IM and Presence Service, see [Interdomain Federation on IM and Presence Service for Cisco Unified Communications Manager](#).

Supported Systems XMPP through IM and P

IM and Presence Service, Release 9.1.1 or later, supports XMPP federation with the following enterprises:

- Cisco WebEx Messenger Release 7.x.
- Cisco Unified Presence Release 8.x.
- IM and Presence Service Release 9.x or later.
- Any other XMPP-standards compliant server.

Configuration Basics

IM and Presence Service does not support XMPP federation between an IM and Presence Service Release 9.x enterprise and a Cisco Unified Presence Release 7.x enterprise.

If you want to enable XMPP federation with an external domain, ensure that the external domain was not previously configured as a SIP federated domain on Cisco Unified Presence. An example of how to do this follows:

Example: A Cisco Unified Presence deployment with ciscoexample.com was historically configured as a SIP-based federation. But ciscoexample.com has now added XMPP support, so the local administrator now wants to enable an XMPP-based federation. To allow this, the administrator first deletes ciscoexample.com as a SIP-federated domain on Cisco Unified Presence.

When IM and Presence Service is federating with Cisco WebEx Enterprise, it's not possible for WebEx Connect client users to invite IM and Presence Service users to temporary or persistent chat rooms. This is due to a design constraint on the WebEx Connect client.

To allow the IM and Presence Service to federate over XMPP, you must enable and configure XMPP federation on IM and Presence Service.

If you have multiple IM and Presence Service clusters, you must enable and configure XMPP federation on at least one node per cluster. The XMPP federation configuration must be identical across clusters. The **Diagnostics Troubleshooter** compares the XMPP federation configuration across clusters, and reports if the XMPP federation configuration is not identical across clusters.

If you deploy Cisco Adaptive Security Appliance for firewall purposes, see the following topics in [Interdomain Federation on IM and Presence Service for Cisco Unified Communications Manager](#):

- Topics related to integration preparation, for considerations on routing, scale, public IP addresses, and the Certification Authority.
- Task to configure the Cisco Adaptive Security Appliance, for information on configuring prerequisite information such as hostname, timezone, clock, and so on.

Task Flow Summary to Deploy XMPP Federation Through IM and Presence Service

Task
Configure IM and Presence Service for XMPP federation
Configure Security for XMPP federation
(Optional) Configure the email for federation feature
Turn on XMPP federation service
Configure the Cisco Adaptive Security Appliance for XMPP federation
Troubleshooting XMPP federation through IM and Presence Service