

IM&P Server Integration

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Last updated: November 13, 2017

Tasks

- Integrate IM&P HQ Server with CUCM HQ

Configuration: [Click to collapse](#)

HQ - Publisher

System > Security > SIP Trunk Security Profile > Add New

SIP Trunk Security Profile Information	
Name*	Non Secure SIP Trunk Profile-IM_P
Description	Non Secure SIP Trunk Profile authenticated by null St
Device Security Mode	Non Secure
Incoming Transport Type*	TCP+UDP
Outgoing Transport Type	TCP
<input type="checkbox"/> Enable Digest Authentication	
Nonce Validity Time (mins)*	600
X.509 Subject Name	
Incoming Port*	5060
<input type="checkbox"/> Enable Application level authorization	
<input checked="" type="checkbox"/> Accept presence subscription	
<input checked="" type="checkbox"/> Accept out-of-dialog refer**	
<input checked="" type="checkbox"/> Accept unsolicited notification	
<input checked="" type="checkbox"/> Accept replaces header	

Device > Trunk

Trunk Configuration	
Save Delete Reset Add New	
Status: Ready	
Device Information	
Product:	SIP Trunk
Device Protocol:	SIP
Trunk Service Type	None(Default)
Device Name*	IM_P-SIP-Trunk
Description	
Device Pool*	DP-Phones

SIP Information

Destination
 Destination Address is an SRV

Destination Address	Destination Address IPv6	Destination Port
1* 11.100.64.15		5060

MTP Preferred Originating Codec* 711ulaw
 BLF Presence Group* Standard Presence group
 SIP Trunk Security Profile* Non Secure SIP Trunk Profile-IM_P
 Rerouting Calling Search Space < None >
 Out-Of-Dialog Refer Calling Search Space < None >
 SUBSCRIBE Calling Search Space < None >
 SIP Profile* Standard SIP Profile

System > Service Parameters > **11.100.64.11** > Cisco CallManager Clusterwide Parameters (Device - SIP)

IM and Presence Publish Trunk IM_P-SIP-Trunk
 Default Inter-Presence Group Subscription* Allow Subscription Disallow Subscription

System > Application Server > Add New

Application Server Configuration

Save Delete Copy Add New

Status
 Status: Ready

Application Server Information
 Application Server Type Cisco Unified CM IM and Presence
 Name* clus1-im-pub
 URL
 End User URL

Save Delete Copy Add New

On HQ - Cisco IM & Presence

Navigate to Cisco Unified IM & Presence Serviceability

Check if the Services are activated.

Tool > Control Center - Feature Services.

Stop the following services in Feature Services,

- Cisco Presence Engine
- Cisco Proxy

Tool > Control Center - Network Services.

Stop the following service in Network Services,

- Cisco XCP Router services

Navigate to Administration

System Presence Messaging Application User Management Bulk Administration Diagnostics Help

Cluster Topology
 Settings
 DefaultCUPSubcluster
 clus1-im-pub.ine.com
 (0) users
 All Unassigned Users (0)
 All Assigned Users (0)

Cluster-Wide Topology Settings

Status
 Status: Ready

Cluster-Wide Topology Settings
 Routing Communication Type Multicast DNS (MDNS)
 Cluster ID* Clus1
 IM and Presence Domain* ine.com

Save

System > Service Parameters

Service Parameter Configuration Related Links: []

Save Set to Default Reset

Service* Cisco SIP Proxy (Active) v

All parameters apply only to the current server except parameters that are in the Clusterwide group(s).

Cisco SIP Proxy (Active) Parameters on server clus1-im-pub.ine.com (Active)

Parameter Name	Parameter Value	Suggested Value
General Proxy Parameters (Clusterwide)		
Domain *	ine.com	
Virtual IP Address (dotted-IP format only)	<input type="text"/>	
SRV Cluster Name	<input type="text"/>	
CUCM Domain *	ine.com x	ine.com

Presence > Gateway > Add New

Presence Gateway Configuration Related Links: Back To Find/...

Save

Status
 Status: Ready

Presence Gateway Settings (Cisco Unified Communications Manager)

You can configure a Cisco Unified Communications Manager server as a presence gateway. The IM and Presence Service will then trigger the Cisco Unified Communications Manager to publish phone presence information (e.g. phone on/off hook status).

Presence Gateway Type* CUCM v

Description* HQ CUCM Publisher

Presence Gateway* 11.100.64.11 x

Save

Presence > Settings

Presence Settings

Save

Status
 Status: Ready

Presence Settings

Enable availability sharing

Allow users to view the availability of other users without being prompted for approval
NOTE: this option must be turned on for SIP clients to function properly

Enable use of Email Address when Federating

Maximum Contact List Size (per user)* No Limit

Maximum Watchers (per user)* No Limit

CUCM IM and Presence Publish Trunk v

Presence > Routing > Settings

Application > Legacy Clients > Settings

Legacy Client Settings

Save

Status
 Status: Ready

Legacy Client Security Settings

The Proxy Listener is only applicable to SIP Clients, it does not apply to Cisco Jabber 8.x. The TFTP Servers apply to Cisco Jabber 8.x and previous clients.

Proxy Listener* Default Cisco SIP Proxy TCP Listener v

Primary TFTP Server x

Backup TFTP Server

Navigate to Cisco Unified IM & Presence Serviceability

Check if the Services are activated.

Tool > Control Center - Feature Services.

Start the following services in Feature Services,

- Cisco Presence Engine
- Cisco Proxy

Tool > Control Center - Network Services.

Start the following service in Network Services,

- Cisco XCP Router services

Verification

System > CallManager

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Test	Result
Publisher Reachability (pingable)	Reachable
Publisher Connectivity (via AXI)	Connected
Publisher Security Login (IPSec)	Successful
Publisher Version	9.1.1.20000(5)

Last update -- 10:52:32 PM Status polling interval | 1 Minute

Save

System ▾ Presence ▾ Messaging ▾ Application ▾ User Management ▾ Bulk Administration ▾ Diagnostics ▾ Help ▾

Cluster Topology

- Settings
- DefaultCUPSubcluster

Cluster Topology Details

« UCCX Custom Scripting (/workbook/view/ccie-collaboration/task/uccx-custom-scripting-MzA4MQ%3D%3D) | Jabber Registration with Desktop Sharing (/workbook/view/ccie-collaboration/task/jabber-registration-with-desktop-sharing-MzA4Mw%3D%3D) »