

Deployment Guide

Version 7.x



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Deployment Guide for SCOPIA ECS Gatekeeper and Cisco Call Manager Version 7.x, August 2011

<http://www.radvision.com>



Integrating SCOPIA ECS Gatekeeper with Cisco Call Manager

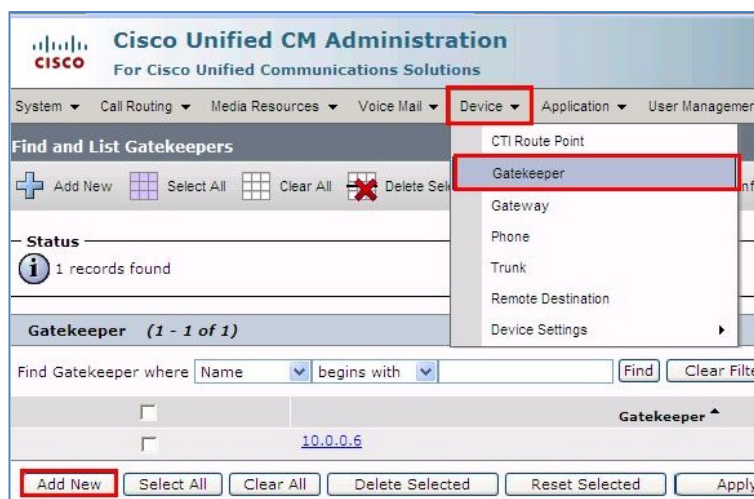
Integrating SCOPIA ECS Gatekeeper with the Cisco Call Manager, also known as Cisco Unified Communications Manager (CUCM), enables you to establish calls between H.323 devices (endpoints, MCUs, gateways) and Cisco SCCP and SIP devices.

The types of calls you can make with this integration include voice calls, video calls, multi-party voice conferencing, and from version 4.0 of the CUCM, you can also make videoconferences via the Skinny protocol proprietary to Cisco.

Integrating ECS with CUCM enables these two sets of devices to interoperate seamlessly.

Procedure

- Step 1** Log into the Cisco Call Manager.
- Step 2** Select **Devices > Gatekeeper > Find** to display the list of gatekeepers.
- Step 3** Select **Add New**.



Step 4 Enter the IP of the ECS in the HostName/IP Address.

Status	
Status: Ready	
Gatekeeper Information	
Host Name/IP Address*	10.0.0.225
Description	ECS GK v 7
Registration Request Time to Live*	60
Registration Retry Timeout*	300
<input checked="" type="checkbox"/> Enable Device	
<input type="button" value="Save"/>	
* - indicates required item.	

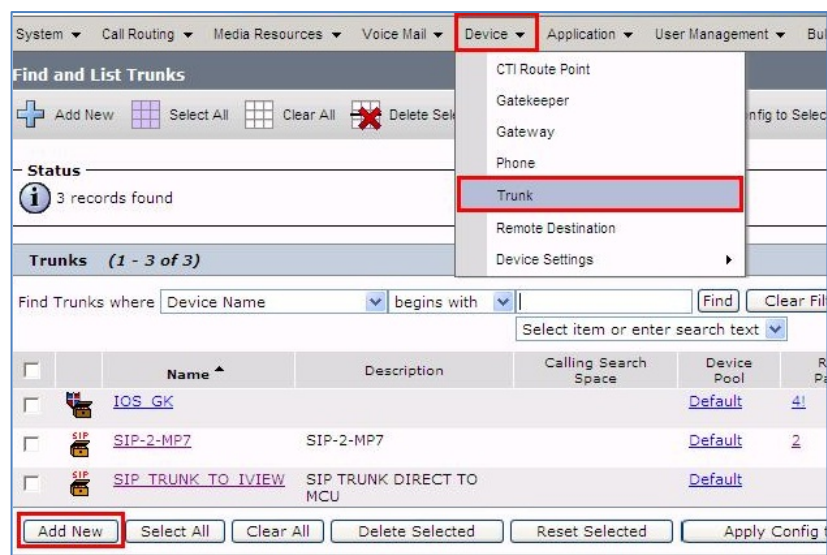
Step 5 Enter the name of the gatekeeper in the **Description** field.

Step 6 Use the default values for **Registration Request Time to Live** and **Registration Retry Timeout**.

Step 7 Select **Save**.

Step 8 Select **Device > Trunk > Find** to show the list of currently configured trunks.

You need to configure a new trunk carrying the H.225 protocol, the protocol used by gatekeepers for RAS signaling.



- Step 9 Select Add New.
- Step 10 Select H.225 Trunk in the Trunk Type field.
- Step 11 Select H.225 in the Device Protocol field.
- Step 12 Select Next.
- Step 13 Enter the name of the device in Device Name. Add a longer description if needed in the Description field.

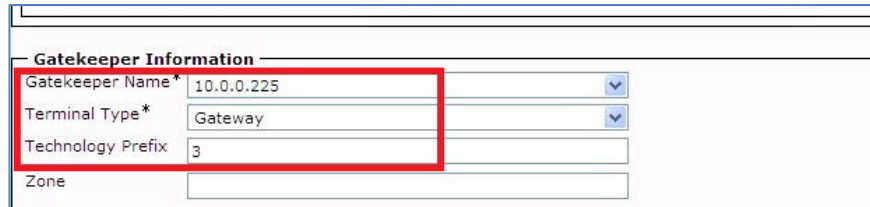
The screenshot shows the 'Trunk Configuration' page. It includes a toolbar with 'Save', 'Delete', 'Reset', 'Apply Config', and 'Add New' buttons. Below the toolbar, the 'Status' is 'Ready'. The 'Device Information' section contains the following fields:

- Product: H.225 Trunk (Gatekeeper Controlled)
- Device Protocol: H.225
- Device Name*: ECS
- Description: ECS
- Device Pool*: Default
- Common Device Configuration: < None >
- Call Classification*: Use System Default
- Media Resource Group List: < None >
- Location*: NJ_TAC_LAB
- AAR Group: < None >

- Step 14 Choose the correct Device Pool.

Step 15 Choose the location of the ECS in the **Location** field.

Step 16 Further down the page, in the **Gatekeeper Information** section, choose the name of the gatekeeper you defined in Step 4 in the **Gatekeeper Name** field.



Step 17 Select **Gateway** in the **Terminal Type** field.

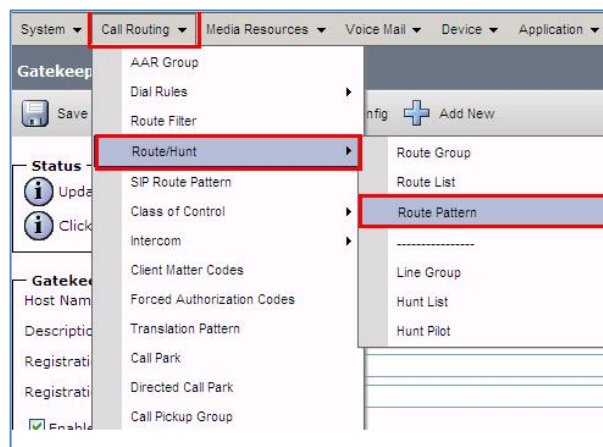
Step 18 Type the dial prefix to be used to access all SCCP devices registered to the CUCM in the **Technology Prefix** field.

Note: Choose a prefix that does not overwrite an existing dial prefix in the ECS.

Step 19 Select **Save**.

Step 20 Select the **Apply Config** button at the top of the screen and select **OK**.

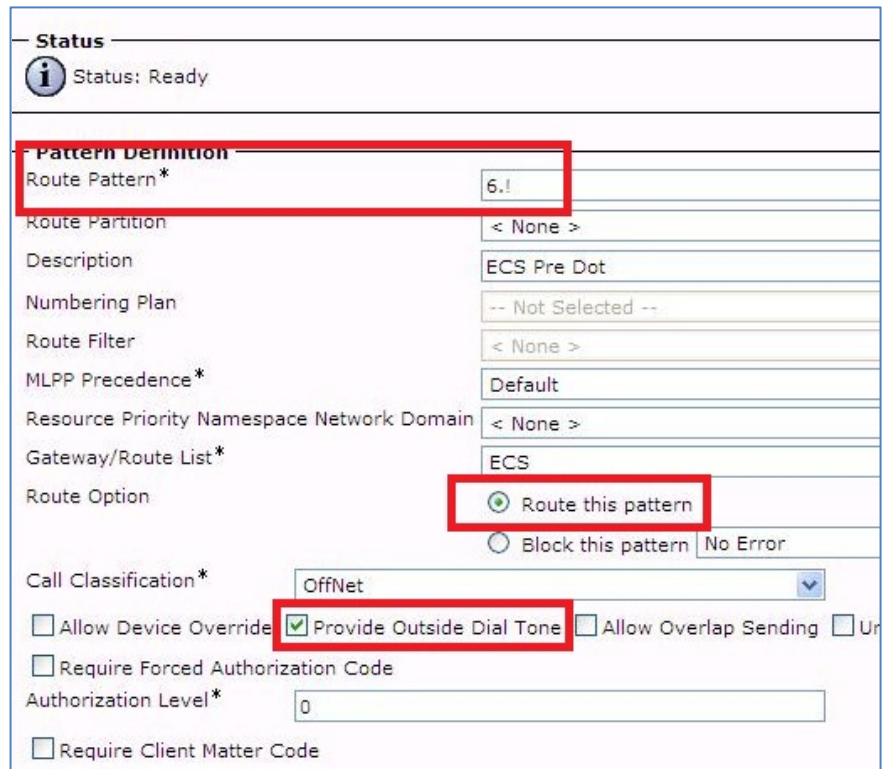
Step 21 To define a prefix for all the ECS registered H.323 devices, select **Call Routing > Route/Hunt > Route Pattern > Find**.



Step 22 Select **Add New**.

Step 23 Enter the dial prefix for all ECS-registered H.323 devices in the **Route Pattern** field, followed by a dot and an exclamation point.

Note: Choose a prefix that does not overwrite an existing dial prefix in the ECS.



Status	
Status: Ready	
Pattern Definition	
Route Pattern *	6.!
Route Partition	< None >
Description	ECS Pre Dot
Numbering Plan	-- Not Selected --
Route Filter	< None >
MLPP Precedence *	Default
Resource Priority Namespace Network Domain	< None >
Gateway/Route List *	ECS
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern No Error
Call Classification *	OffNet
<input type="checkbox"/> Allow Device Override	<input checked="" type="checkbox"/> Provide Outside Dial Tone
<input type="checkbox"/> Require Forced Authorization Code	<input type="checkbox"/> Allow Overlap Sending
Authorization Level *	0
<input type="checkbox"/> Require Client Matter Code	

Step 24 Select **Route this pattern** in the **Route Option** field.

Step 25 Ensure the **Provide Outside Dial Tone** field is selected.

Step 26 Scroll down, and select **PreDot** in the **Discard Digits** field. This ensures the CUCM removes the dial prefix before the dot and pass the remaining digits to its call to the ECS.

Calling Party Numbering Plan: Cisco CallManager

Connected Party Transformations

Connected Line ID Presentation*: Default

Connected Name Presentation*: Default

Called Party Transformations

Discard Digits: PreDot

Called Party Transform Mask:

Prefix Digits (Outgoing Calls):

Called Party Number Type*:

Step 27 Open SCOPIA ECS Gatekeeper.

Step 28 In the **Endpoints** tab, verify the existence of a gateway listed there with the **Registration IP** address of the CUCM.

Gatekeeper

Upload Import Export Refresh

Status Settings Reg. Restrictions **Endpoints** Services B/W Policy Call Control Forward & Fallback Hierarchy Event Log Version

Endpoints ☒ Auto Refresh

Name	Number	Registration IP	Type	Predefined
Irene	6353	10.0.0.150	Terminal	no
ECS_1		10.0.0.201	Gateway	yes

Online Endpoint Properties

Aliases:

Value	Type
ECS_1	Name

Endpoint type: Gateway Predefined: yes

Registration IP: 10.0.0.201 Port: 46475

Call Signaling IP: 10.0.0.201 Port: 57581

Registration time: 11/17/10 12:35 PM Services

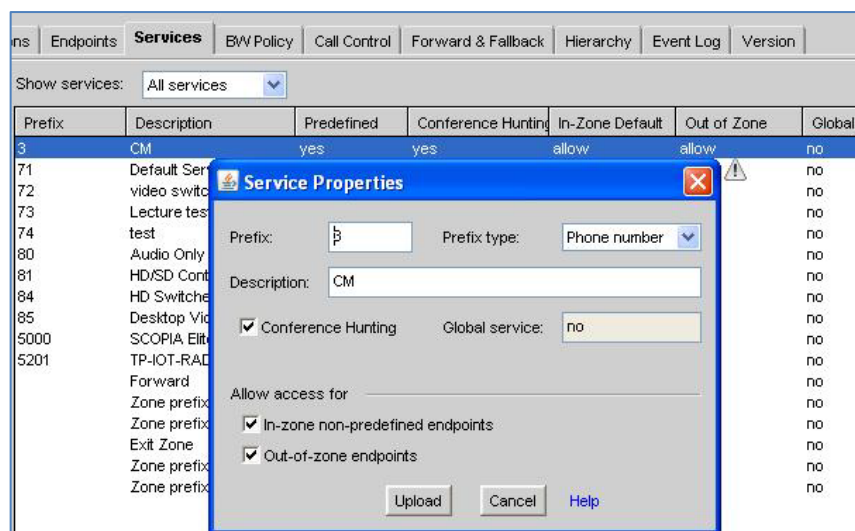
Subzone:

Close Edit Predefined Data... Help

Step 29 Select the **Services** tab.

Step 30 Create a new service in ECS to define a dial prefix which routes all calls with this prefix to the CUCM. Create it without the description, then edit it to add the description.

Step 31 Verify that **Conference Hunting** is selected.



Note: Choose a prefix that does not overwrite an existing dial prefix in the ECS.



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