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INFRASTRUCTURE

SCOPIA ECS Gatekeeper & Cisco Call Manager

Deployment Guide
Version 7.x

Notice

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

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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.

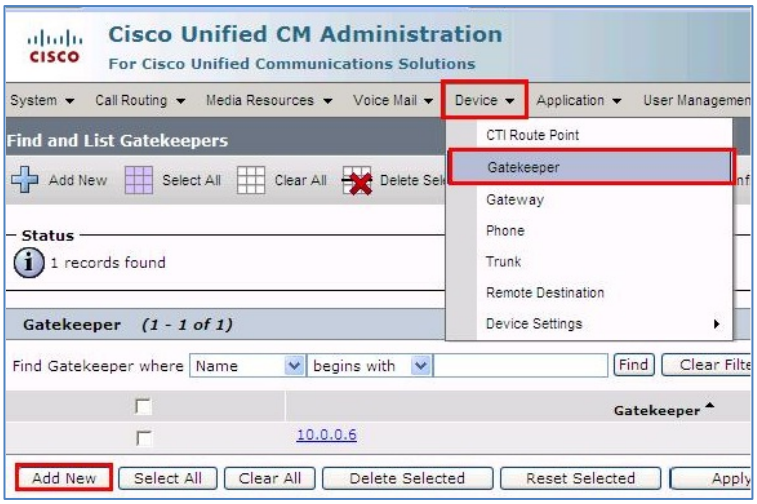
Integrating ECS with CUCM enables these two sets of devices to interoperate seamlessly.

Procedure

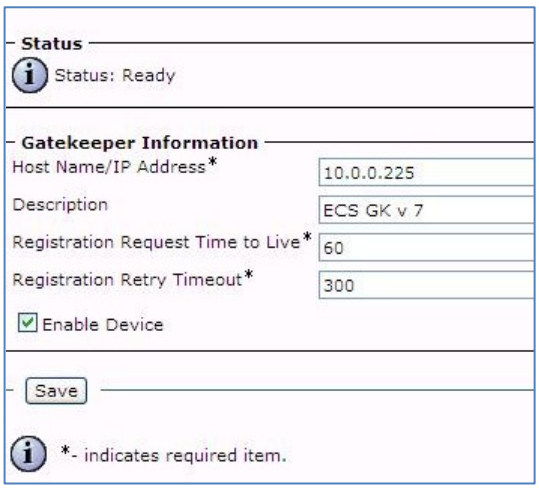
Step 1 Log into the Cisco Call Manager.

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**.



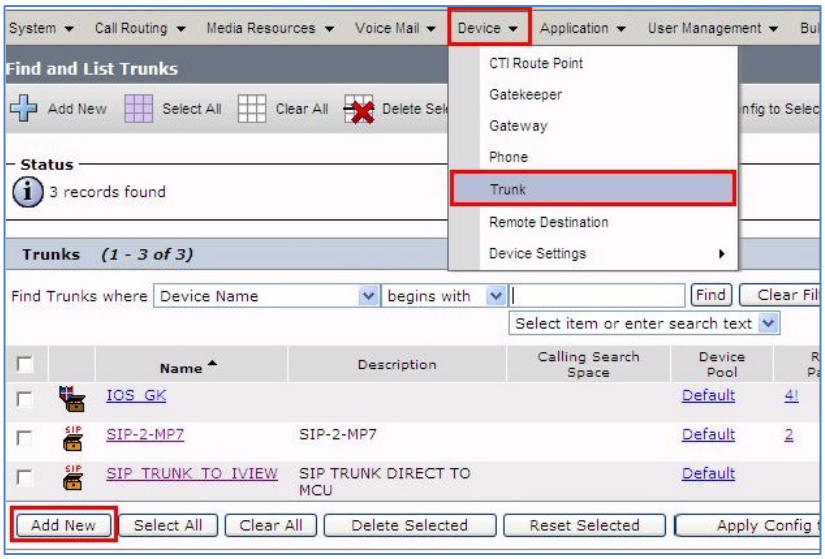
Step 5 Enter the name of the gatekeeper in the **Description** field.

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.



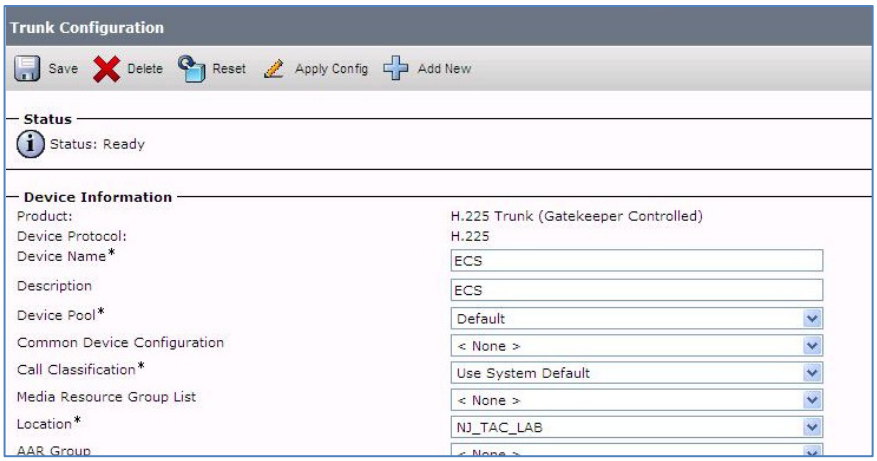
Step 9 Select **Add New**.

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**.

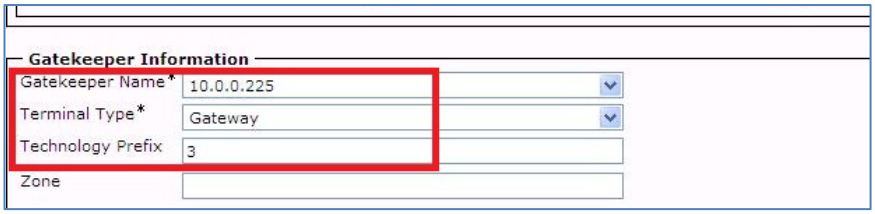
Step 13 Enter the name of the device in **Device Name**. Add a longer description if needed in the **Description** field.



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.

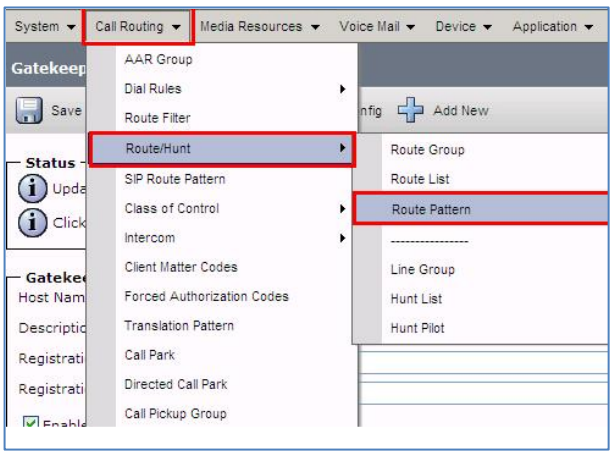
Step 18 Type the dial prefix to be used to access all SCCP devices registered to the CUCM in the **Technology Prefix** field.

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**.

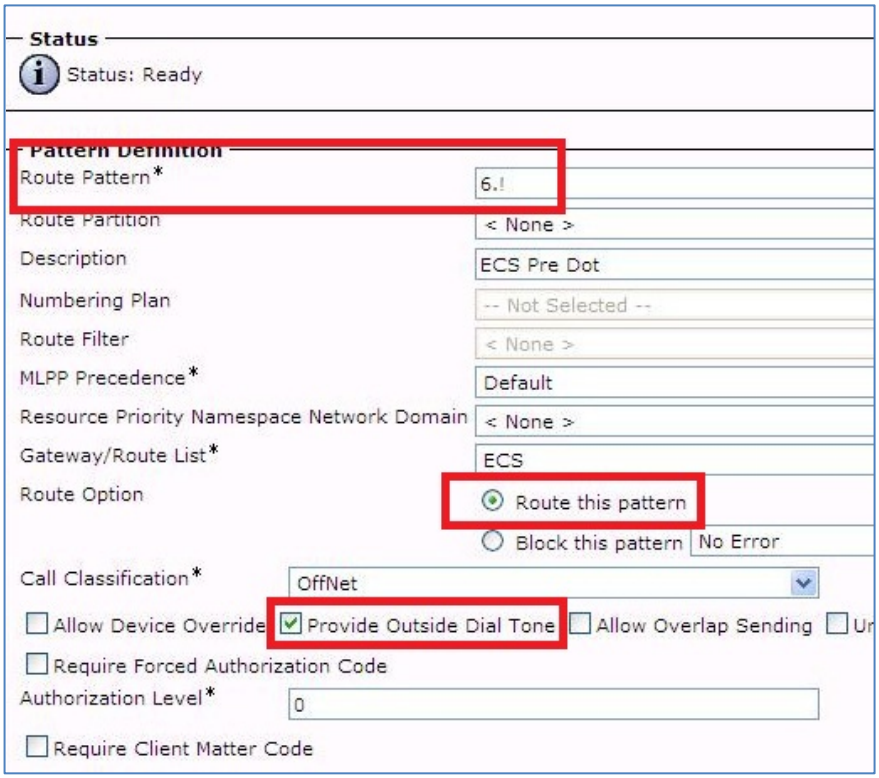
Step 21 To define a prefix for all the ECS registered H.323 devices, select **Call Routing > Route/Hunt > Route Pattern > Find**.



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.

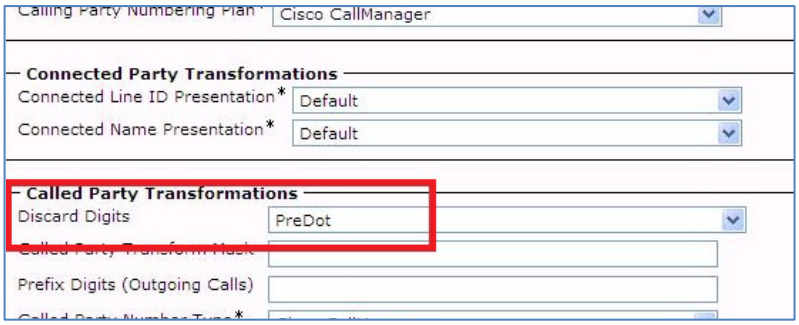
Note: Choose a prefix that does not overwrite an existing dial prefix in the ECS.



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

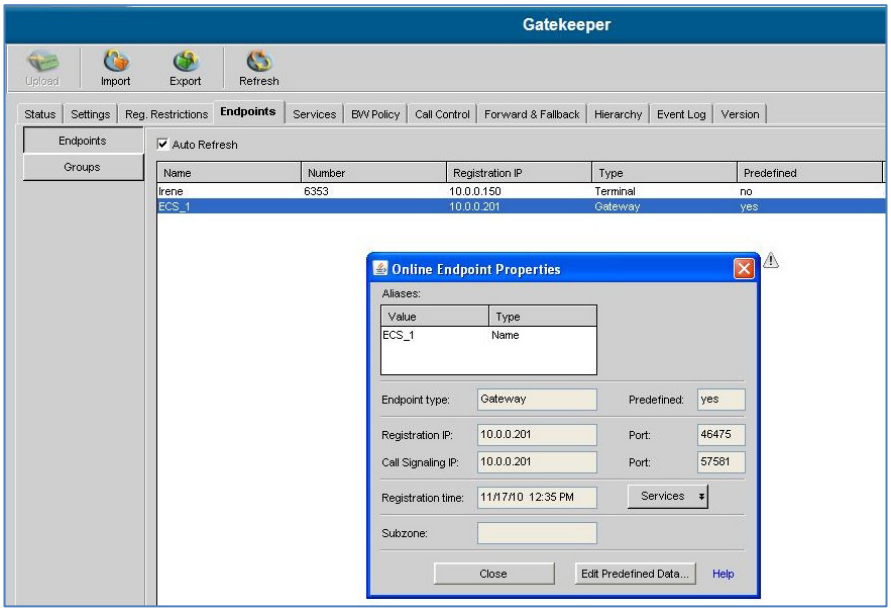
Step 25 Ensure the **Provide Outside Dial Tone** field is selected.

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.



Step 27 Open SCOPIA ECS Gatekeeper.

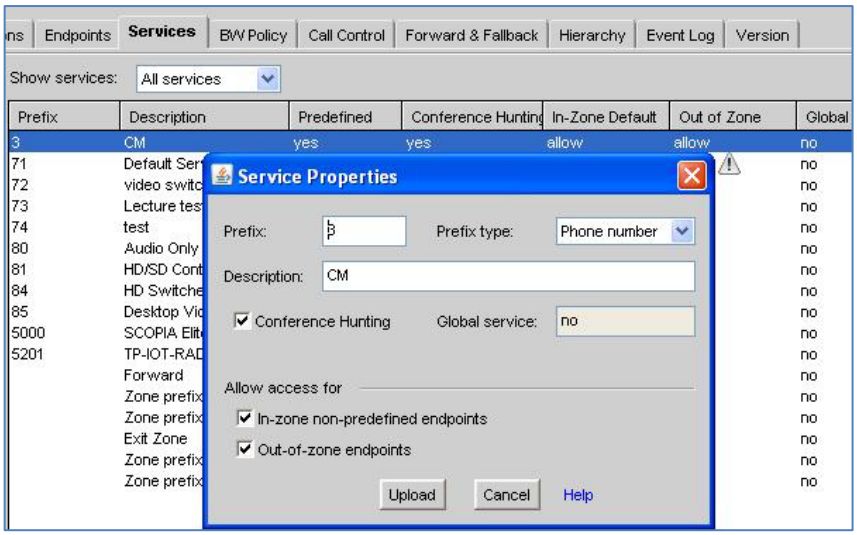
Step 28 In the **Endpoints** tab, verify the existence of a gateway listed there with the **Registration IP** address of the CUCM.



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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