This chapter contains optional procedures that may or may not need to be done, depending on your deployment. For procedures that are required for configuration of the Video Administration, see the Configuring Video Administration for Cisco Unified MeetingPlace chapter.

See the following sections:

- Network Management
- Changing the Host Name of the Video Administration Server

Contents

Network Management

The Network Management section enables you to map topology for IP and ISDN resources.

Note: Network Management is hidden by default according to settings in the Configuration Tool. For details about using the Configuration Tool, see the Video Administration Configuration Tool chapter.

To Access Network Management

1. In the sidebar menu, go to **Network Management**.
2. The Network Management section contains the following tabs:
   - IP Topology-See the Using the IP Topology Tab.
   - ISDN Topology-See the Using the ISDN Topology Tab.

   Note: We recommend that you configure the tabs in the order that they appear.

Using the IP Topology Tab

IP Network Topology is the foundation of intelligent resource allocation. It allows Video Administration to model the video network by recording distance and bandwidth between Device Islands-IP locations where central and essential devices (such as gatekeepers, MCUs, and gateways) are placed-and to perform Least Cost Routing over the IP network. An IP endpoint is also associated with its nearest Device Island when the endpoint is configured in Video Administration. This information is used by Video Administration to determine the best MCU and gateway resources to reserve for any call.

IP Network Topology is an advanced that is feature enabled in the Video Administration Configuration Tool.

In general, a Device Island should be created for each location containing network devices, such as an MCU, endpoint or terminal. Video Administration monitors the bandwidth limitations and distance between each of the Device Islands.

The IP Topology tab displays distance and bandwidth information for all Device Islands within your video meeting network.

The following parameters are included in the IP Topology table

- Distance-Distance between the specified Device Islands relative to all other configured islands on the organization LAN. This setting is used to find and allocate the best available resources. The Distance value is a weight factor that describes relative network delay between two Device Islands. The larger the distance, the larger the round trip delay caused by the network between two Device Islands. The distance should be an attribute proportional to the network delay. One logical way to model delay is to "ping" the connection between the two LANs and use the average delay results.
- Bandwidth-Bandwidth connection (in Kbps) between specified Device Islands. This setting is used in bandwidth control during resource allocation. The Bandwidth field represents the connection bandwidth (in Kbps) between any two Device Islands that can be used for video meetings. This is defined by the narrowest section of bandwidth, usually one of the outgoing connections from the LAN.

See the following procedures:

- To Access the IP Topology Tab
- To View Device Islands
- To Connect Device Islands
- To Add a Device Island

To Access the IP Topology Tab

1. In the sidebar menu, select **Network Management**.
   By default, the IP Topology tab is displayed.

To View Device Islands

1. Click **Display Location**.
   Note: By default, upon first viewing of the IP Topology screen, the first eight Device Islands are displayed.
2. In the screen that opens, select the IP locations that you want to be included in the grid display on the IP Topology tab. A maximum of eight locations can be displayed.
3. Click **Search**.
   The selected device islands appear in the grid display.

To Connect Device Islands

1. Verify that information is included in the Distance and Bandwidth fields in the cell between the Device Islands.
2. To remove connectivity between two Device Islands, delete the Distance and Bandwidth values.

Because there may be two cells that display the same connectivity setting between two Device Islands, if you modify the values in one of the cells, the same new values appear in the other cell.

To Add a Device Island

1. On the IP Topology tab, click **Add**.
   An empty row appears with all of the existing Device Island displayed as columns, and at the bottom of the tab, an OK button and a Cancel button replace the Add button.
2. In the Distance and Bandwidth fields in each column, enter information for the new Device Island.
3. Click **OK**.
   The Device Island is added to the IP topology.

To Modify a Device Island

You can modify the parameters of a Device Island.

1. On the IP Topology tab, search for the Device Islands that you want to modify. For details, see the To View Device Islands.
2. For each Device Island you want to modify, edit the Distance or Bandwidth field as required.
3. Click **OK**.

To Delete a Device Island

You can delete a Device Island that is no longer needed in the topology. Note that you cannot recover a Device Island once it is deleted.

1. On the IP Topology tab, search for the Device Islands that you want to delete. For details, see the To View Device Islands.
2. Click the **X** mark above the Device Island that you want to delete.
3. If any devices are currently assigned to the Device Island that you want to delete, in the Reassign Device Island screen that appears, select the Device Island you want to reassign the devices to, and then click **Reassign**.

Using the ISDN Topology Tab

ISDN Network Topology is designed to intelligently manage ISDN/PSTN network connectivity and cost, gateway numbers, and ISDN terminal numbers are assigned to ISDN Device Islands. This allows Video Administration to perform Least Cost Routing over the ISDN network.

ISDN Network Topology is an advanced feature enabled in the Video Administration Configuration Tool.

ISDN/PSTN Least Cost Routing is also performed based on country codes, area codes of gateway numbers and ISDN terminal numbers belonging to the same ISDN Device Island. Costly phone or ISDN line-usage is reduced by selecting the least costly gateway resources.

The ISDN Topology tab displays connectivity and distance information for all Device Islands within your ISDN network. The following parameter is included in the ISDN Topology table:

- Cost-Cost of an ISDN call between the specified Device Islands relative to all other configured islands on the organization ISDN network. This setting is used to find and allocate the best available resources.

See the following procedures:

- To Access the ISDN Topology Tab
- To View Device Islands
- To Connect Device Islands
- To Add a Device Island
- To Modify a Device Island

- To Delete a Device Island

To Access the ISDN Topology Tab

1. In the sidebar menu, select **Network Management**.
2. In Network Management, select the **ISDN Topology** tab.

To View Device Islands

1. Click **Display Location**.
   Note: By default, upon first viewing of the ISDN Topology screen, the first eight Device Islands are displayed.
2. In the screen that opens, select the IP locations that you want to be included in the grid display on the ISDN Topology tab. A maximum of eight locations can be displayed.
3. Click **Search**.
   The selected device islands appear in the grid display.

To Connect Device Islands

1. Verify that information is included in the Cost field for the device.
2. To remove the connectivity between two Device Islands, delete the Cost value.
   Because there may be two cells that display the same connectivity setting between two Device Islands, if you modify the values in one of the cells, the same new values appear in the other cell.

To Add a Device Island

1. On the ISDN Topology tab, click **Add**.
   An empty row appears with all of the existing Device Islands displayed as columns, and at the bottom of the tab, an OK button and a Cancel button replace the Add button.
2. In the Cost field in each column, enter information for the new Device Island.
3. Click **OK**.
   The Device Island is added to the ISDN topology.

To Modify a Device Island

1. On the ISDN Topology tab, search for the Device Islands that you want to modify. For details, see the To View Device Islands.
2. For each Device Island that you want to modify, edit the Cost field as required.
3. Click **OK**.

To Delete a Device Island

You can delete a Device Island that is no longer needed in the topology. Note that you cannot recover a Device Island once it is deleted.

1. On the ISDN Topology tab, search for the Device Islands that you want to delete. For details, see the To View Device Islands.
2. Click the **X** mark above the Device Island that you want to delete.
3. If any devices are currently assigned to the Device Island that you want to delete, in the Reassign Device Island screen that appears, select the Device Island you want to reassign the devices to, and then click **Reassign**.

Changing the Host Name of the Video Administration Server

To manually change the host name of the Video Administration server, do the following procedure:

To Change the Host Name of the Video Administration Server

1. Go to **C:\Program Files\Cisco\Video Admin\VA\jboss-3.2.5\bin** (default).
2. Make a backup copy of the file **Vcs-config.xml**.
3. Open the file **Vcs-config.xml** with a text editing tool.
4. Modify the <host-url> element to the required value, then save the file.
5. Restart the Video Admin service.