



Region

Use regions to specify the type of compression and amount of bandwidth used per call. You can select the compression and bandwidth used for calls within a region and between two regions.

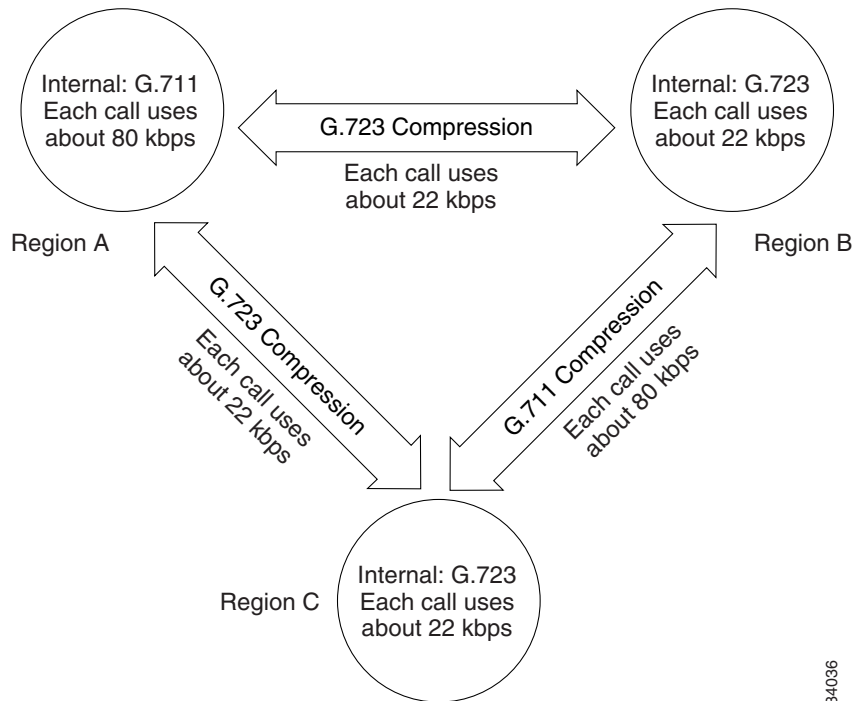
The compression types available in Cisco CallManager are G.711, G.723, and G.729. The bandwidth used per call depends on the compression type as well as factors such as data packet size and overhead (packet header size), as indicated in Table 13-1.

Table 13-1 Bandwidth Used Per Call by Each Type of Compression

Type of Compression	Bandwidth Used for Data Packets Only (Fixed Regardless of Packet Size)	Bandwidth Used Per Call (Including IP Headers) with 30 ms Data Packets	Bandwidth Used Per Call (Including IP Headers) with 20 ms Data Packets
G.711	64 kbps	80 kbps	88 kbps
G.723	6 kbps	22 kbps	Not applicable
G.729	8 kbps	24 kbps	32 kbps

The default compression type for all calls through Cisco CallManager is G.711. To specify a different compression type, you must use regions.

Figure 13-1 illustrates the use of regions to specify call compression and bandwidth.

Figure 13-1 Example of Regions

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Use the following procedures to add, update, or delete regions:

- Adding a Region, page 13-3
- Updating a Region, page 13-3
- Deleting a Region, page 13-4

Adding a Region

This section describes how to add a new region to the Cisco CallManager database.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **System > Region**.
- Step 3** In the Region Name box, type the name you want to assign to the new region and click **Insert**.
- Step 4** Using the drop-down list boxes, select the type of compression to use for calls within the new region and between the new region and existing regions. By selecting the compression type, you are also specifying the amount of bandwidth used per call. See Table 13-1 for details.
- Before saving the changes, you can click **Cancel** to reset all fields to their original value.
- Step 5** Click **Update** to save the new region in the database.
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Related Procedures

After adding a new region to the database, you can use it to configure device pools. For more information, see:

- Adding a Device Pool, page 14-1

Updating a Region

This section describes how to update the configuration of a region.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **System > Region**.

- Step 3** From the region list, select the region you want to update.
- Step 4** Make the desired changes in the fields you want to update. Before saving the changes, you can click **Cancel** to reset all fields to their original value.
- Step 5** Click **Update** to save the changes in the database.
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Deleting a Region

This section describes how to delete a region from the Cisco CallManager database.

Before You Begin

You cannot delete a region that has any device pools assigned to it. If you try to delete a region that is in use, Cisco CallManager displays an error message. Before deleting a region that is currently in use, you must perform either or both of the following tasks:

- Update the device pools to assign them to a different region. See the “Updating a Device Pool” section on page 14-3.
- Delete the devices pools assigned to the region you want to delete. See the “Deleting a Device Pool” section on page 14-4.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **System > Region**.
- Step 3** From the region list, select the region you want to delete.
- Step 4** Click **Delete**.
- Step 5** When asked to confirm the delete operation, click either **OK** to delete or **Cancel** to cancel the delete operation.
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