Date and Time Group Setup

This chapter provides information to add, update, or delete Date/Time Groups, and to synchronize configuration changes with affected devices.

About Date and Time Group Setup

In Cisco Unified Communications Manager Administration, use the **System** > **Date/Time Group** menu path to configure date and time groups.

Use Date/Time Groups to define time zones for the various devices that are connected to Cisco Unified Communications Manager. Each device exists as a member of only one device pool, and each device pool has only one assigned Date/Time Group.

Installing Cisco Unified Communications Manager automatically configures a default Date/Time Group that is called CMLocal. CMLocal synchronizes to the active date and time of the operating system on the server where Cisco Unified Communications Manager is installed. After installing Cisco Unified Communications Manager, you can change the settings for CMLocal as desired. Normally, adjust server date/time to the local time zone date and time.

Note CMLocal resets to the operating system date and time whenever you restart Cisco Unified Communications Manager or upgrade the Cisco Unified Communications Manager software to a new release. Do not change the name of CMLocal.

Tip For a worldwide distribution of Cisco Unified IP Phones, create one named Date/Time Group for each of the time zones in which you will deploy endpoints.

Add Phone NTP Reference to SIP Phones in Date and Time Group

Use the following procedure to add a phone NTP reference to a date/time group for a phone that is running SIP.

Procedure

Step 1   To add a phone NTP reference to a date/time group for a phone that is running SIP, perform the following tasks:

Note   To get its date and time, a phone that is running SIP can use NTP server(s) that exist in Cisco Unified Communications Manager Administration.

a) Click the **Add Phone NTP References** button.
b) Find the phone NTP reference(s) that you want to add.

Only phone NTP references that exist in the Cisco Unified Communications Manager database display.

c) After the search results display, check the check boxes for any phone NTP references that you want to add to the date/time group or click **Select All**.
d) Click **Add Selected**.

Tip   After you add the phone NTP reference(s) to the date/time group, you can prioritize them, starting with the first server that you want the phone that is running SIP to contact. For example, to move a server to the top of the list, highlight the entry in the pane and click the Up arrow. To move a server to the bottom of the list, highlight the entry in the pane and click the Down arrow.

Step 2   To remove a phone NTP reference from the date/time group, highlight the reference in the pane and click **Remove Phone NTP References**.

Removing the phone NTP reference from the date/time group does not remove the phone NTP reference from the Cisco Unified Communications Manager database.

Step 3   To save the new date/time group in the database, click the **Save** icon that displays in the tool bar in the upper, left corner of the window (or click the **Save** button that displays at the bottom of the window).

Note   See the procedure to synchronize a Date/Time group with affected devices before deciding on whether to proceed to the next step.

Step 4   To reset the devices that use the date/time group, click **Reset**.

What to do next

After adding a new date/time group to the database, you can assign it to a device pool to configure the date and time information for that device pool.

Date and Time Group Deletion

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Note   You cannot delete a date/time group that any device pool uses.

To find out which device pools use the date/time group, choose **Dependency Records** from the Related Links drop-down list box on the Date/Time Group Configuration window and click **Go**.

If the dependency records feature is not enabled for the system, the dependency records summary window displays a message that shows the action that you can take to enable the dependency records; the message also displays information about high CPU consumption that is related to the dependency records feature.

If you attempt to delete a date/time group that is in use, Cisco Unified Communications Manager displays a message. Before deleting a date/time group that is currently in use, you must perform either or both of the following tasks:

- Assign a different date/time group to any device pools that use the date/time group that you want to delete.

- Delete the device pools that use the date/time group that you want to delete.

Date and Time Group Settings

The following table describes the date/time group settings.

Table 1: Date/Time Group Settings

Field	Description
Date/Time Group Information	
Group Name	Enter the name that you want to assign to the new date/time group.
Time Zone	From the drop-down list box, choose the time zone for the group that you are adding.
	The default setting for new Cisco Unified Communications Manager installations equals (GMT) Monrovia, Casablanca.
	If you upgrade from a compatible Cisco Unified Communications Manager release and you use "local time zone of Communications Manager" in the configuration, the Cisco Unified Communications Manager database determines the appropriate time zone for the database server and then displays that time zone as replacement for the Communications Manager time zone.

Field	Description
Separator	Choose the separator character to use between the date fields.
Date Format	Choose the date format for the date that displays on the Cisco Unified IP Phones.
Time Format	Choose a 12-hour or 24-hour time format.
Phone NTP References for this Date/Time Group	
Selected Phone NTP References (ordered by highest priority)	To ensure that a phone that is running SIP gets its date and time configuration from an NTP server, add the phone NTP reference(s) to the date/time group. To add a phone NTP reference to the date/time group, perform the following tasks: 1. Click the **Add Phone NTP References** button. 2. Find the phone NTP reference(s) that you want to add. Only phone NTP references that exist in the Cisco Unified Communications Manager database display. 3. After the search results display, check the check boxes for the phone NTP references or click **Select All**. 4. Click **Add Selected**. After you add the phone NTP reference(s) to the date/time group, you can prioritize them, starting with the first reference that you want the phone to contact. For example, to move a reference to the top of the list, highlight the entry in the pane and click the Up arrow. To move a reference to the bottom of the list, highlight the entry in the pane and click the Down arrow. **Tip** To remove a phone NTP reference from the date/time group, highlight the server in the pane and click **Remove Phone NTP References**. Removing the phone NTP reference from the date/time group does not remove the phone NTP reference from the Cisco Unified Communications Manager database.

Synchronize Date and Time Group Settings with Devices

To synchronize devices to a date/time group that has undergone configuration changes, perform the following procedure, which applies any outstanding configuration settings in the least-intrusive manner possible. (For example, a reset/restart may not be required on some affected devices.)

Procedure

Step 1   Choose **System** > **Date/Time Group**.

The Find and List Date/Time Groups window displays.

Step 2   Choose the search criteria to use.

Step 3   Click **Find**.

The window displays a list of Date/Time Groups that match the search criteria.

Step 4   Click the Date/Time Group to which you want to synchronize applicable devices.

The Date/Time Group Configuration window displays.

Step 5   Make any additional configuration changes.

Step 6   Click **Save**.

Step 7   Click **Apply Config**.

The **Apply Configuration Information** dialog displays.

Step 8   Click **OK**.