Managing Time Zones

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Time Zones

Cisco UCS requires an instance-specific time zone setting and an NTP server to ensure the correct time display in Cisco UCS Manager. If you do not configure both of these settings in a Cisco UCS instance, the time does not display correctly.

Setting the Time Zone

Procedure

<table>
<thead>
<tr>
<th>Step</th>
<th>Command or Action</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 1</td>
<td>UCS-A# scope system</td>
<td>Enters system mode.</td>
</tr>
<tr>
<td>Step 2</td>
<td>UCS-A /system # scope services</td>
<td>Enters system services mode.</td>
</tr>
<tr>
<td>Step 3</td>
<td>UCS-A /system/services # set timezone</td>
<td>At this point, you are prompted to enter a number corresponding to your continent, country, and time zone region. Enter the appropriate information at each prompt. When you have finished specifying the location information, you are prompted to confirm that the correct time zone information is being set. Enter 1 (yes) to confirm, or 2 (no) to cancel the operation.</td>
</tr>
</tbody>
</table>
### Purpose

#### Command or Action

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<tr>
<td>Step 4</td>
<td>UCS-A /system/services # commit-buffer</td>
<td>Commits the transaction to the system configuration.</td>
</tr>
<tr>
<td>Step 5</td>
<td>UCS-A /system/services # exit</td>
<td>Enters system mode.</td>
</tr>
<tr>
<td>Step 6</td>
<td>UCS-A /system/services # exit</td>
<td>Enters EXEC mode.</td>
</tr>
<tr>
<td>Step 7</td>
<td>UCS-A /system/services # show timezone</td>
<td>Displays the configured timezone.</td>
</tr>
</tbody>
</table>

The following example configures the timezone to the Pacific time zone region, commits the transaction, and displays the configured timezone:

```
UCS-A# scope system
UCS-A /system # scope services
UCS-A /system/services # set timezone
Please identify a location so that time zone rules can be set correctly.
Please select a continent or ocean.

1) Africa
2) Americas
3) Antarctica
4) Arctic Ocean
5) Asia
6) Atlantic Ocean
7) Australia
8) Europe
9) Indian Ocean
10) Pacific Ocean

#? Artic ocean
Please enter a number in range.

1) Africa 4) Arctic Ocean 7) Australia 10) Pacific Ocean
2) Americas 5) Asia 8) Europe
3) Antarctica 6) Atlantic Ocean 9) Indian Ocean

#? 2
Please select a country.

1) Anguilla 18) Ecuador 35) Paraguay
2) Antigua & Barbuda 19) El Salvador 36) Peru
3) Argentina 20) French Guiana 37) Puerto Rico
4) Aruba 21) Greenland 38) St Kitts & Nevis
5) Bahamas 22) Grenada 39) St Lucia
6) Barbados 23) Guadeloupe 40) St Pierre & Miquelon
7) Belize 24) Guatemala 41) St Vincent
8) Bolivia 25) Guyana 42) Suriname
9) Brazil 26) Haiti 43) Trinidad & Tobago
10) Canada 27) Honduras 44) Turks & Caicos Is
11) Cayman Islands 28) Jamaica 45) United States
12) Chile 29) Martinique 46) Uruguay
13) Colombia 30) Mexico 47) Venezuela
14) Costa Rica 31) Montserrat 48) Virgin Islands (UK)
15) Cuba 32) Netherlands Antilles 49) Virgin Islands (US)
16) Dominica 33) Nicaragua
17) Dominican Republic 34) Panama
18) Ecuador 35) Paraguay

#? 45
Please select one of the following time zone regions.

1) Eastern Time
2) Eastern Time - Michigan - most locations
3) Eastern Time - Kentucky - Louisville area
4) Eastern Time - Kentucky - Wayne County
5) Eastern Standard Time - Indiana - most locations
6) Eastern Standard Time - Indiana - Crawford County
7) Eastern Standard Time - Indiana - Starke County
8) Eastern Standard Time - Indiana - Switzerland County
9) Central Time
10) Central Time - Michigan - Wisconsin border
11) Central Time - North Dakota - Oliver County
12) Mountain Time
13) Mountain Time - south Idaho & east Oregon
14) Mountain Time - Navajo
15) Mountain Standard Time - Arizona
16) Pacific Time
17) Alaska Time
18) Alaska Time - Alaska panhandle
19) Alaska Time - Alaska panhandle neck
20) Alaska Time - west Alaska
21) Aleutian Islands
22) Hawaii
```
The following information has been given:

United States
Pacific Time

Therefore timezone 'America/Los_Angeles' will be set.
Local time is now: Fri May 15 07:39:25 PDT 2009.

Is the above information OK?

1) Yes
2) No

#? 1

UCS-A /system/services* # commit-buffer
UCS-A /system/services # exit
UCS-A /system # exit
UCS-A# show timezone
Timezone: America/Los_Angeles (Pacific Time)

## Configuring an NTP Server

### Procedure

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<td><strong>Step 2</strong> UCS-A /system # scope services</td>
<td>Enters system services mode.</td>
</tr>
<tr>
<td><strong>Step 3</strong> UCS-A /system/services # create ntp-server {hostname</td>
<td>ip-addr}</td>
</tr>
<tr>
<td><strong>Step 4</strong> UCS-A /system/services # commit-buffer</td>
<td>Commits the transaction to the system configuration.</td>
</tr>
</tbody>
</table>

The following example configures an NTP server with the IP address 192.168.200.101 and commits the transaction:

UCS-A# scope system
UCS-A /system # scope services
UCS-A /system/services # create ntp-server 192.168.200.101
UCS-A /system/services* # commit-buffer

## Deleting an NTP Server

### Procedure

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<td>Enters system mode.</td>
</tr>
<tr>
<td><strong>Step 2</strong> UCS-A /system # scope services</td>
<td>Enters system services mode.</td>
</tr>
</tbody>
</table>
Setting the System Clock Manually

**Procedure**

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<td><strong>Step 1</strong> UCS-A# scope system</td>
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<tr>
<td><strong>Step 2</strong> UCS-A /system # scope services</td>
<td>Enters system services mode.</td>
</tr>
<tr>
<td><strong>Step 3</strong> UCS-A /system/services # set clock</td>
<td>Configures the system clock.</td>
</tr>
<tr>
<td>mon date year hour min sec</td>
<td></td>
</tr>
<tr>
<td><strong>Step 4</strong> UCS-A /system/services # commit-buffer</td>
<td>Commits the transaction to the system configuration.</td>
</tr>
</tbody>
</table>

The following example configures the system clock and commits the transaction:

UCS-A# scope system
UCS-A /system # scope services
UCS-A /system/services # set clock apr 14 2010 15 27 00
UCS-A /system/services* # commit-buffer
UCS-A /system/services #