Managing Time Zones

This chapter includes the following sections:

Time Zones

Cisco UCS requires a domain-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 domain, the time does not display correctly.

Setting the Time Zone

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope system**	Enters system mode.
Step 2	UCS-A /system # **scope services**	Enters system services mode.
Step 3	UCS-A /system/services # **set timezone**	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

	Command or Action	Purpose
		correct time zone information is being set. Enter **1** (yes) to confirm, or **2** (no) to cancel the operation.
Step 4	UCS-A /system/services # **commit-buffer**	Commits the transaction to the system configuration.
Step 5	UCS-A /system/services # **exit**	Enters system mode.
Step 6	UCS-A /system/services # **exit**	Enters EXEC mode.
Step 7	UCS-A /system/services # **show timezone**	Displays the configured timezone.

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

```
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           4) Arctic Ocean     7) Australia        10) Pacific Ocean
2) Americas         5) Asia             8) Europe
3) Antarctica       6) Atlantic Ocean   9) Indian Ocean
#? Artic ocean
Please enter a number in range.
#? 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
#? 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
#? 16

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.
Universal Time is now:  Fri May 15 14:39:25 UTC 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)
UCS-A#
```

Adding an NTP Server

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope system**	Enters system mode.
Step 2	UCS-A /system # **scope services**	Enters system services mode.
Step 3	UCS-A /system/services # **create ntp-server** {*hostname*	*ip-addr*|*ip6-addr*}	Configures the system to use the NTP server with the specified hostname, IPv4 or IPv6 address.
Step 4	UCS-A /system/services # **commit-buffer**	Commits the transaction to the system configuration.

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
UCS-A /system/services #
```

The following example configures an NTP server with the IP address 4001::6 and commits the transaction:

```
UCS-A# scope system
UCS-A /system # scope services
UCS-A /system/services # create ntp-server 4001::6
UCS-A /system/services* # commit-buffer
UCS-A /system/services #
```

Deleting an NTP Server

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope system**	Enters system mode.
Step 2	UCS-A /system # **scope services**	Enters system services mode.
Step 3	UCS-A /system/services # **delete ntp-server** {*hostname*	*ip-addr*|*ip6-addr*}	Deletes the NTP server with the specified hostname, IPv4 or IPv6 address.

The following example deletes the 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 # delete ntp-server 192.168.200.101
UCS-A /system/services* # commit-buffer
UCS-A /system/services #
```

The following example deletes the NTP server with the IPv6 address 4001::6 and commits the transaction:

```
UCS-A# scope system
UCS-A /system # scope services
UCS-A /system/services # delete ntp-server 4001::6
UCS-A /system/services* # commit-buffer
UCS-A /system/services #
```

Setting the System Clock Manually

System clock modifications take effect immediately.

Procedure

	Command or Action	Purpose
Step 1	UCS-A# **scope system**	Enters system mode.
Step 2	UCS-A /system # **scope services**	Enters system services mode.
Step 3	UCS-A /system/services # **set clock** *mon date year hour min sec*	Configures the system clock.

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 #
```