System Time Commands

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system time

To set the system time using the Network Time Protocol (NTP) server, use the **system time** command in global configuration mode. Use the **no** form of the command to delete the time configuration.

Note When you enable and synchronize the system time clock using an NTP server, you must reboot the Cisco Enterprise NFVIS so that the BMC or CIMC date and time get updated with the new hardware clock.

system time [**timezone** *zone-subzone*] [**ntp** [**preferred_server** {*ipv4-address host-name*}] [**backup_server** {*ipv4-address host-name*}] | **ntp-ipv6** {*ipv6-address host-name*}]

no system time {**ntp** | **ntp-ipv6**}

Syntax Description

timezone *zone-subzone*	Specifies the timezone using zone and subzone.
ntp	Specifies the time using the NTP IPv4 server.
preferred_server	Specifies the IPv4 preferred server details.
ipv4-address	Specifies the IPv4 address.
hostname	Specifies the hostname.
backup_server	Specifies the IPv4 backup server details.
ntp-ipv6	Specifies the time using the NTP IPv6 server.
ipv6-address	Specifies the IPv6 address.

Command Default

None

Command Modes

Global configuration (config)

Command History

Release	Modification
3.7.1	The manual_time parameter is removed and the ntp-ipv6 parameter is added. To set the system time manually, use the **system set-manual-time** command.
3.5.1	This command was introduced.

Usage Guidelines

When you set the system time manually using the **system set-manual-time** command, the NTP is disabled automatically. Similarly, when NTP is enabled, the manual time configuration is automatically disabled.

Example

The following example shows how to set system time using NTP IPv4 server:

```
nfvis(config)# system time ntp preferred_server 198.51.100.1 backup_server 203.0.113.1
nfvis(config)# commit
```

Example

The following example shows how to set system time using NTP IPv6 server:

```
nfvis(config)# system time ntp-ipv6 2001:420:30d:201:ffff:ffff:fff4:35
nfvis(config)# commit
```

system set-manual-time

To set the system time clock manually, use the **system set-manual-time** command in privileged EXEC mode.

system set-manual-time *date-time*

Syntax Description

date-time	Specifies the manual date and time in YYYY-MM-DDTHH:MM:SS format. The supported year range for specifying the manual time is from 2016 to 2036.

Command Default

None

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
3.7.1	This command was introduced.

Usage Guidelines

When you set the system time manually, the NTP is disabled automatically. Similarly, when NTP is enabled using the **system-time** command, the manual time configuration is automatically disabled.

Example

```
nfvis# system set-manual-time 2017-01-01T17:35:39
```

show system time

To view the system time clock configuration details, use the **show system time** command in privileged EXEC mode.

show system time [**current-time** | **current-timezone** | **ntp** [**status**]]

Syntax Description

current-time	Displays the current system time.
current-timezone	Displays the current system time zone.
ntp	Displays the synchronization status of the NTP server.
status	Displays the NTP status. You can filter the status using any of the following fields: **delay**, **jitter**, **offset**, **poll**, **reach**, **refid**, **st**, **t**, or **when**.

Command Default

All time configuration details are displayed.

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
3.7.1	The command was modified to include the current-time, current-timezone, ntp, status parameters and remove the backup-server, date, ntp-status, preferred-server, and timezone parameters.
3.5.1	This command was introduced.

Usage Guidelines

If the configured NTP server is not displayed in the command output, check that the NTP server is configured correctly.

When a remote host is queried, if the response is not received before the timeout time, the request times out and the information is not displayed in the command output.

Example

The following is a sample output of the **show system time ntp status** command:

```
nfvis# show system time ntp status
REMOTE             REFID  ST  T  WHEN  POLL  REACH DELAY  OFFSET  JITTER
==============================================================================
*2001:420:30d:20  .GPS.   2   u  35    64    377   0.927  6.551   1.319

* sys.peer and synced, o pps.peer, # selected, + candidate,
- outlyer, . excess, x falseticker, space reject
```

show running-config system time

To display the running system time configuration, use the **show running-config system time** command in privileged EXEC mode.

show running-config system time

Syntax Description

This command has no arguments or keywords.

Command Default

None

Command Modes

Privileged EXEC (#)

Command History

Release	Modification
3.5.1	This command was introduced.

Example

```
nfvis# show running-config system time
system time ntp preferred_server 1.2.3.4
system time ntp backup_server 10.2.2.2
system time timezone America/New_York
system time ntp-ipv6 2001:420:30d:201:ffff:ffff:fff4:35
```