



## 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 NFMVIS 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 <code>manual_time</code> parameter is removed and the <code>ntp-ipv6</code> parameter is added. To set the system time manually, use the <b>system set-manual-time</b> 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*

<b>Syntax Description</b>	<i>date-time</i> 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.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Privileged EXEC (#)
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	3.7.1	This command was introduced.

<b>Usage Guidelines</b>	When you set the system time manually, the NTP is disabled automatically. Similarly, when NTP is enabled using the <b>system-time</b> command, the manual time configuration is automatically disabled.
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## 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

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

### 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 <b>current-time</b> , <b>current-timezone</b> , <b>ntp</b> , <b>status</b> parameters and remove the <b>backup-server</b> , <b>date</b> , <b>ntp-status</b> , <b>preferred-server</b> , and <b>timezone</b> 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**

<b>Syntax Description</b>	This command has no arguments or keywords.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Privileged EXEC (#)
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	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
```