



N Commands

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ntp

To configure the Network Time Protocol (NTP) peers and servers for the switch, use the `ntp` command. To remove configured peers and servers, use the `no` form of this command.

```
ntp peer hostname | server hostname [prefer] [ use-vrf vrf-name ]
no ntp peer hostname | server hostname
```

Syntax Description

<code>peer hostname</code>	Specifies the hostname or IP address of an NTP peer.
<code>server hostname</code>	Specifies the hostname or IP address of the NTP server.
<code>prefer</code>	(Optional) Specifies this peer/server as the preferred peer/server.
<code>use-vrf vrf-name</code>	(Optional) Specifies the virtual routing and forwarding (VRF) used to reach this peer/server.

Command Default

None

Command Modes

Global configuration mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines

You can specify multiple peer associations.

Examples

This example shows how to form a server association with a server:

```
switch(config)# ntp server ntp.cisco.com
```

This example shows how to form a peer association with a peer:

```
switch(config)# ntp peer 192.168.10.0
```

This example shows how to delete an association with a peer:

```
switch(config)# no ntp peer 192.168.10.0
```

Related Commands

Command	Description
<code>ntp distribute</code>	Enables CFS distribution for NTP.
<code>show ntp</code>	Displays NTP information.

ntp abort

To discard the Network Time Protocol (NTP) Cisco Fabric Services (CFS) distribution session in progress, use the `ntp abort` command.

```
ntp abort
```

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes Global configuration mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Examples

This example shows how to discard the NTP CFS distribution session in progress:

```
switch(config)# ntp abort
```

Related Commands

Command	Description
<code>ntp distribute</code>	Enables CFS distribution for NTP.
<code>show ntp</code>	Displays NTP information.

ntp authenticate

To enable Network Time Protocol (NTP) authentication, use the `ntp authenticate` command. To disable NTP authentication, use the `no` form of this command.

```
ntp authenticate
no ntp authenticate
```

Syntax Description This command has no arguments or keywords.

Command Default Disabled

Command Modes Global configuration (config)

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Usage Guidelines This command does not require a license.

Examples This example shows how to enable NTP authentication:

```
switch(config)# ntp authenticate
```

This example shows how to disable NTP authentication:

```
switch(config)# no ntp authenticate
switch(config)#
```

Related Commands	Command	Description
	<code>show ntp authentication-status</code>	Displays the status of NTP authentication.

ntp commit

To apply the pending configuration pertaining to the Network Time Protocol (NTP) Cisco Fabric Services (CFS) distribution session in progress in the fabric, use the `ntp commit` command.

```
ntp commit
```

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes Global configuration mode

Release	Modification
6.0(2)N1(1)	This command was introduced.

Examples

This example shows how to commit changes to the active NTP configuration:

```
switch(config)# ntp commit
```

Command	Description
<code>ntp distribute</code>	Enables CFS distribution for NTP.
<code>show ntp</code>	Displays NTP information.

ntp distribute

To enable Cisco Fabric Services (CFS) distribution for Network Time Protocol (NTP), use the `ntp distribute` command. To disable this feature, use the `no` form of this command.

```
ntp distribute
no ntp distribute
```

Syntax Description This command has no arguments or keywords.

Command Default Disabled

Command Modes Global configuration mode

Command History	Release	Modification
	6.0(2)N1(1)	This command was introduced.

Usage Guidelines Before distributing the Fibre Channel timer changes to the fabric, the temporary changes to the configuration must be committed to the active configuration using the `ntp commit` command.

Examples This example shows how to distribute the active NTP configuration to the fabric:

```
switch(config)# ntp distribute
```

Related Commands	Command	Description
	<code>ntp commit</code>	Commits the NTP configuration changes to the active configuration.
	<code>show ntp</code>	Displays NTP information.

ntp sync-retry

To retry synchronization with the configured Network Time Protocol (NTP) servers, use the `ntp sync-retry` command.

```
ntp sync-retry
```

Syntax Description This command has no arguments or keywords.

Command Default None

Command Modes EXEC mode

Release	Modification
6.0(2)N1(1)	This command was introduced.

Examples

This example shows how to retry synchronization with the configured NTP servers:

```
switch# ntp sync-retry
```

Command	Description
<code>ntp distribute</code>	Enables CFS distribution for NTP.
<code>show ntp</code>	Displays NTP information.

