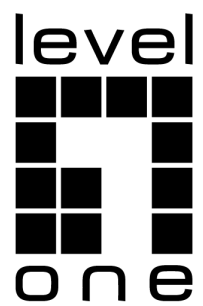


# NTP Configuration Commands



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# Chapter 1 NTP Configuration Commands

## 1.1 ntpd enable

### Syntax

ntpd enable is used to enable ntp function,  
no ntpd enable is used to disable the ntp function.

### Parameter

None

### Default

None

### Command Mode

Global configuration mode

### Usage Guidelines

After enabling, the client and server are enabled at the same time.

### Example

```
Switch(config)#ntpd enable  
Switch(config)#no ntpd enable
```

### Related Command

**ntpd server**

## ntpd server

### Syntax

**ntpd server** *address* is used to add a remote ntp server configuration.

**no ntpd server** *address* is used to delete a remote ntp server configuration.

#### Parameter

Parameter	Description
<i>address</i>	ntp server address, which can be an IP address or a domain name

#### Default

None

#### Command Mode

Global configuration mode

#### Usage Guidelines

Set the address of the ntp server, which can be more than one. The system will automatically filter the appropriate clock source.

#### Example

```
Switch(config)#ntpd server 1.1.1.1
```

#### Related Command

**ntpd enable**

## ntpd ntpq

#### Syntax

**ntpd ntpq** is used to view the detailed status of ntp peer.

#### Parameter

None

#### Default

None

## Command Mode

Global configuration mode

## Usage Guidelines

This command is used to view the detailed status of ntp peer. The description is displayed as follows:

remote	IP address of ntpd server
refid	The reference source of the server clock
st	clock level
t	type, u represents unicast mode, b is broadcast mode, m is multicast mode.
when	the time (unit: seconds) that has passed since the last server message was received.
poll	The time interval between two NTP packets sent.
reach	Octal number, the status of the last eight messages, used to update poll.
delay	The sending delay between the client and the server (unit: milliseconds)
offset	The time offset from the server (unit: milliseconds)
jitter	(Deprecated) The volatility of the data

## Example

```
Switch(config)#ntpd ntpq
```

## Related Command

**ntpd server**

## show ntpd

## Syntax

**show ntpd** is used to display the current state of ntp.

### Parameter

None

### Default

None

### Command Mode

EXEC

### Usage Guidelines

The command is used to display the current state of ntp.

### Example

```
Switch(config)#show ntpd
state:    enable
server:   ntp1.aliyun.com
```