

# 1 SNTP Commands

| Command                       | Function  |
|-------------------------------|---|
| <a href="#">sntp enable</a>   | Enable the SNTP function.   |
| <a href="#">sntp interval</a> | Configure the interval for clock synchronization between the SNTP client and NTP/SNTP server. |
| <a href="#">sntp server</a>   | Configure an SNTP server.   |
| <a href="#">show sntp</a>     | Display the SNTP information.   |

## 1.1 sntp enable

### Function

Run the **sntp enable** command to enable the SNTP function.

Run the **no** form of this command to disable this feature.

The SNTP function is disabled by default.

### Syntax

**sntp enable**

**no sntp enable**

### Parameter Description

N/A

### Command Modes

Global configuration mode

### Default Level

14

### Usage Guidelines

N/A

### Examples

The following example enables the SNTP function.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# sntp enable
```

### Notifications

N/A

### Common Errors

N/A

### Platform Description

N/A

### Related Commands

N/A

## 1.2 sntp interval

### Function

Run the **sntp interval** command to configure the interval for clock synchronization between the SNTP client and NTP/SNTP server.

Run the **no** form of this command to remove this configuration.

The default interval for clock synchronization between the NTP client and NTP/SNTP server is 1800s.

### Syntax

**sntp interval** *synchronization-interval-time*

**no sntp interval**

### Parameter Description

*synchronization-interval-time*: Interval for clock synchronization, in seconds. The value range is from 60 to 65535.

### Command Modes

Global configuration mode

### Default Level

14

### Usage Guidelines

The interval configured by this command does not take effect immediately. If you need this configuration to take effect immediately, run the **sntp enable** command after configuring the interval.

### Examples

The following example sets the SNTP time synchronization interval to 1 hour.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# sntp interval 3600
```

### Notifications

N/A

### Common Errors

N/A

### Platform Description

N/A

### Related Commands

N/A

## 1.3 sntp server

### Function

Run the **sntp server** command to configure an SNTP server.

Run the **no** form of this command to remove this configuration.

No SNTP server is configured by default.

### Syntax

```
sntp server [ oob ] { ipv4-address | domain } [ source ipv4-address ] [ via mgmt-name ]
```

```
no sntp server
```

### Parameter Description

**oob**: Accesses the SNTP server through the MGMT port. By default, the local device does not access the SNTP server through the MGMT port.

*ipv4-address* | *domain*: SNTP server. Here, *ipv4-address* indicates the IP address of the SNTP server, and *domain* indicates the domain name of the SNTP server.

**source** *ipv4-address*: Specifies the source IP address of SNTP.

**via** *mgmt-name*: Specifies the egress port of packets in oob mode as the MGMT port.

### Command Modes

Global configuration mode

### Default Level

14

### Usage Guidelines

Since SNTP is fully compatible with NTP, the SNTP server can be configured as a public NTP server on the Internet.

### Examples

The following example configures the device with the IP address 192.168.4.12 as an SNTP server in the network.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# sntp server 192.168.4.12
```

### Notifications

N/A

### Common Errors

N/A

### Platform Description

N/A

**Related Commands**

N/A

**1.4 show sntp****Function**

Run the **show sntp** command to display the SNTP information.

**Parameter Description**

N/A

**Command Modes**

All modes except the user EXEC mode

**Default Level**

14

**Usage Guidelines**

N/A

**Examples**

The following example displays the SNTP information.

```
Hostname> enable
Hostname# show sntp
SNTP state           : Enable
SNTP server          : 192.168.4.12
SNTP sync interval   : 60
Time zone            : +8
```

**Table 1-1 Output Fields of the show sntp show sntp Command**

| Field         | Description                   |
|---------------|-------------------------------|
| State         | SNTP status                   |
| Server        | Time synchronization server   |
| sync interval | Time synchronization interval |
| Time zone     | Current time zone             |

**Notifications**

N/A

**Common Errors**

N/A

**Platform Description**

N/A

**Related Commands**

N/A