# NTP Commands

The NTP commands are not supported on connector AMI.

# connectorctl ntp config

To configure the Network Time Protocol (NTP) server, use the **connectorctl ntp config** command.

**connectorctl ntp config** { **-n** *comma-separated-list-of-servers* | **-d** }

## Syntax Description

| Keywords and Variables | Description |
|---|---|
| **-n** *comma-separated-list-of-servers* | List of NTP servers. Ensure that you separate each server name with a comma. |
| **-d** | Deletes the current NTP configurations. |

## Command History

| | |
|---|---|
| **Release 3** | This command is introduced. |

## Examples

The following example shows how to configure the NTP server:

```
[spacesadmin@connector ~]$ connectorctl ntp config -n ntp.esl.cisco.com
Executing command:ntp
Command execution status:Success
-----------------------
Doing NTP configuration
Checking status for server: ntp.esl.cisco.com
Status check successful for server: ntp.esl.cisco.com
NTP configuration: success
```

# connectorctl ntp show

This command shows the Network Time Protocol (NTP) server.

**connectorctl ntp show**

## Syntax Description

This command has no keywords or arguments.

## Command History

| | |
|---|---|
| **Release 3** | This command is introduced. |

## Examples

The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl ntp show
Executing command:ntp
Command execution status:Success
----------------------
==================chrony conf output=================
server ntp.esl.cisco.com
========================end=========================
```

# connectorctl ntp status

To observe the status of chrony or Network Time Protocol (NTP) service, sources details, and NTP data details, use the **connectorctl ntp restart** command.

**connectorctl ntp status**

## Syntax Description

This command has no keywords or arguments.

## Command History

| | |
|---|---|
| **Release 3** | This command is introduced. |

## Examples

The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl network status
Executing command:ntp
Command execution status:Success
-----------------------
==================chrony service status=================
chronyd.service - NTP client/server
   Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor preset: enabled)

   Active: active (running) since Thu 2022-07-28 12:20:58 PDT; 5 days ago
     Docs: man:chronyd(8)
           man:chrony.conf(5)
  Process: 895 ExecStartPost=/usr/libexec/chrony-helper update-daemon (code=exited,
status=0/SUCCESS)
  Process: 871 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
 Main PID: 877 (chronyd)
    Tasks: 1 (limit: 24285)
   Memory: 2.3M
   CGroup: /system.slice/chronyd.service
           └─877 /usr/sbin/chronyd

Jul 28 12:20:55 conn3-la61-212-23 systemd[1]: Starting NTP client/server...
Jul 28 12:20:56 conn3-la61-212-23 chronyd[877]: chronyd version 4.1 starting (+CMDMON +NTP
 +REFCLOCK +RTC +PRIVDROP +SCFILTER +SIGND +ASYNCDNS +NTS +SECHASH +IPV6 +DEBUG)
Jul 28 12:20:56 conn3-la61-212-23 chronyd[877]: Frequency 0.000 +/- 1000000.000 ppm read
from /var/lib/chrony/drift
Jul 28 12:20:56 conn3-la61-212-23 chronyd[877]: Using right/UTC timezone to obtain leap
second data
Jul 28 12:20:58 conn3-la61-212-23 systemd[1]: Started NTP client/server.
Jul 28 12:23:21 conn3-la61-212-23 chronyd[877]: Selected source 10.68.38.66
(ntp.esl.cisco.com)
Jul 28 12:23:21 conn3-la61-212-23 chronyd[877]: System clock wrong by 1611.296985 seconds
Jul 28 12:50:12 conn3-la61-212-23 chronyd[877]: System clock was stepped by 1611.296985
seconds
Jul 28 12:50:12 conn3-la61-212-23 chronyd[877]: System clock TAI offset set to 37 seconds
==========================end===========================
==================chrony sources==================
MS Name/IP address         Stratum Poll Reach LastRx Last sample
===============================================================================
^* sjc05-73a-dci06n-ntp2.ci>     1  10   377   501    +26us[  +24us] +/-  519us
======================end======================
==================chrony ntpdata==================

Remote address  : 10.68.38.66 (AB442642)
Remote port     : 123
Local address   : 10.22.212.23 (0A16D417)
```

```
Leap status     : Normal
Version         : 4
Mode            : Server
Stratum         : 1
Poll interval   : 10 (1024 seconds)
Precision       : -19 (0.000001907 seconds)
Root delay      : 0.000000 seconds
Root dispersion : 0.000000 seconds
Reference ID    : 474E5353 (GNSS)
Reference time  : Wed Aug 03 04:54:44 2022
Offset          : -0.000023560 seconds
Peer delay      : 0.001034838 seconds
Peer dispersion : 0.000001973 seconds
Response time   : 0.001528190 seconds
Jitter asymmetry: +0.00
NTP tests       : 111 111 1111
Interleaved     : No
Authenticated   : No
TX timestamping : Kernel
RX timestamping : Kernel
Total TX        : 505
Total RX        : 505
Total valid RX  : 505
======================end=====================
```

# connectorctl ntp restart

To restart the chrony or the Network Time Protocol (NTP) server, use the **connectorctl ntp restart** command.

**connectorctl ntp restart**

## Syntax Description

This command has no keywords or arguments.

## Command History

| | |
|---|---|
| **Release 3** | This command is introduced. |

## Examples

The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl ntp restart
Executing command:ntp
Command execution status:Success
-----------------------
Restarted ntp/chronyd service
```