NTP Commands

The NTP commands are not supported on connector AMI.

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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.

The following example shows how to configure the NTP server:

```
[spacesadmin@hostname ~]$ connectorctl ntp config -d
Executing command:ntp
Command execution status:Success
-----------------------
Cleaning NTP Servers entries and stopping chrony/ntp daemon
NTP configuration: success
```

```
[spacesadmin@hostname ~]$ 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.

The following is a sample output of the command:

```
[spacesadmin@hostname ~]$ 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.

The following is a sample output of the command:

```
[spacesadmin@hostname ~]$ connectorctl ntp status
Executing command:ntp
Command execution status:Success
-----------------------
=================chrony service status=================
● chronyd.service - NTP client/server
     Loaded: loaded (/usr/lib/systemd/system/chronyd.service; disabled; preset: enabled)
    Drop-In: /etc/systemd/system/chronyd.service.d
             └─overrides.conf
     Active: active (running) since Tue 2025-10-14 10:49:27 PDT; 9s ago
       Docs: man:chronyd(8)
             man:chrony.conf(5)
    Process: 886714 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
   Main PID: 886716 (chronyd)
      Tasks: 1 (limit: 48406)
     Memory: 1.2M
        CPU: 31ms
     CGroup: /system.slice/chronyd.service
             └─886716 /usr/sbin/chronyd -F 2
Oct 14 10:49:27 hostname systemd[1]: Starting NTP client/server...
Oct 14 10:49:27 hostname chronyd[886716]: chronyd version 4.6.1 starting (+CMDMON +NTP
+REFCLOCK +RTC +PRIVDROP +SCFILTER +SIGND +ASYNCDNS +NTS +SECHASH +IPV6 +DEBUG)
Oct 14 10:49:27 hostname chronyd[886716]: Loaded 0 symmetric keys
Oct 14 10:49:27 hostname chronyd[886716]: Using right/UTC timezone to obtain leap second
data
Oct 14 10:49:27 hostname chronyd[886716]: Frequency -1.547 +/- 0.049 ppm read from
/var/lib/chrony/drift
Oct 14 10:49:27 hostname chronyd[886716]: Loaded seccomp filter (level 2)
Oct 14 10:49:27 hostname systemd[1]: Started NTP client/server.
========================end=========================
=================chrony sources=================
MS Name/IP address         Stratum Poll Reach LastRx Last sample
===============================================================================
^? sjc12-cd1-dcm02n-ntp2.ci>     1   6     1     9   -965ns[ -965ns] +/-  421us
====================end=======================
=================chrony ntpdata=================
Remote address  : 171.68.38.66 (AB442642)
Remote port     : 123
Local address   : 10.22.244.45 (0A16F42D)
Leap status     : Normal
Version         : 4
Mode            : Server
Stratum         : 1
Poll interval   : 6 (64 seconds)
Precision       : -19 (0.000001907 seconds)
Root delay      : 0.000000 seconds
```

```
Root dispersion : 0.000000 seconds
Reference ID    : 474E5353 (GNSS)
Reference time  : Tue Oct 14 17:49:04 2025
Offset          : +0.000000965 seconds
Peer delay      : 0.000829288 seconds
Peer dispersion : 0.000006305 seconds
Response time   : 0.001353897 seconds
Jitter asymmetry: +0.00
NTP tests       : 111 111 1111
Interleaved     : No
Authenticated   : No
TX timestamping : Kernel
RX timestamping : Kernel
Total TX        : 1
Total RX        : 1
Total valid RX  : 1
Total good RX   : 1
Total kernel TX : 1
Total kernel RX : 1
Total HW TX     : 0
Total HW RX     : 0
======================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.

The following is a sample output of the command:

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