

Setting the Time and Timezone Using NTP Service

Use the **timedatectl** command on the Host VM to perform following operations to sync the time between the host and the docker:

- Displaying the Current Date and Time: **timedatectl**
- Changing the Current Time: **timedatectl set-time** HH:MM:SS
- Changing the Current Date: **timedatectl set-time** YYYY-MM-DD
- Listing the Time Zone: **timedatectl list-timezones**
- Changing the Time Zone: **timedatectl set-timezone** time_zone
- Enabling NTP Service: **timedatectl set-ntp** yes

```
[root@iot-fnd ~]# timedatectl
      Local time: Tue 2018-08-28 07:18:37 PDT
  Universal time: Tue 2018-08-28 14:18:37 UTC
        RTC time: Tue 2018-08-28 14:18:37
       Time zone: America/Los_Angeles (PDT, -0700)
     NTP enabled: yes
NTP synchronized: yes
 RTC in local TZ: no
      DST active: yes
 Last DST change: DST began at
                  Sun 2018-03-11 01:59:59 PST
                  Sun 2018-03-11 03:00:00 PDT
 Next DST change: DST ends (the clock jumps one hour backwards) at
                  Sun 2018-11-04 01:59:59 PDT
                  Sun 2018-11-04 01:00:00 PST
[root@iot-fnd ~]#
```

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Configuring NTP Server

To configure the NTP server on Cisco IoT FND and TPS servers, follow the steps given.

Procedure

Step 1 Run the command to edit the chrony.conf file.

Example:

```
[root@iot-fnd ~]# nano /etc/chrony.conf
```

This will display the current chrony.conf file details.

Step 2 Enter the IP address of the server that you want to use as the NTP server.

Example:

```
server 209.165.200.225
```

Step 3 Save the changes by selecting **Y** and exit.

Step 4 Restart the chrony service using the command given in the example.

Example:

```
[root@iot-fnd ~]# systemctl restart chronyd
```

Step 5 To view the NTP server you configured, use the command given in the example.

Example:

```
[root@iot-fnd ~]# chronyc sources
MS Name/IP address         Stratum Poll Reach LastRx Last sample
===============================================================================
^* 209.165.200.225               2  10   377   915    +17us[  +19us] +/-   21ms
```

The newly configured NTP server details are displayed.