

chrony | Set up NTP Server and Client

NTP Server

Step 1: Install Chrony NTP package

```
yum install chrony
```

Step 2: Enable Chrony to start after boot:

```
systemctl enable chronyd
```

Step 3: Set Chrony to act as an NTP server for a local network

To turn Chrony into an NTP server, add the following line to the main Chrony `/etc/chrony.conf` configuration file. Change the address to your network address.

```
allow 10.1.1.0/24
```

Step 4: Restart Chrony NTP daemon to apply the changes

```
systemctl restart chronyd
```

Step 5: Open the firewall port to allow for incoming NTP requests

```
firewall-cmd --permanent --add-service=ntp  
firewall-cmd --reload
```

NTP Client

Step 1: Install Chrony NTP package

```
yum install chrony
```

Step 2: Enable Chrony to start after boot:

```
systemctl enable chronyd
```

Step 3: Set Chrony to act as an NTP client

Add the following line in the Chrony `/etc/chrony.conf` configuration file: Change the IP address to your NTP server.

```
Server 10.1.1.10
```

Step 4: Restart Chrony NTP daemon to apply the changes

```
systemctl restart chronyd
```

Step 5: Check for NTP server sources.

Your local NTP server should be listed:

```
chronyc sources
MS Name/IP address      Stratum Poll Reach LastRx Last sample
=====
=====
^? LAB-DC1.lab.local    4  6   1   2  +31us[ +31us] +/-  44ms
```