Products & Services › Base de conocimiento › Why ntpd does not start automatically in RHEL7 ?

Why ntpd does not start automatically in RHEL7 ?

⊘ **SOLUTION VERIFICADA** - Actualizado16 de Febrero de 2016 a las 08:59 - English ⌄ ()

Medio Ambiente

- Red Hat Enterprise Linux 7

Cuestión

- NTP sync issue.
- I have a problem with ntpd, it does not start automatically, then system boots .
- I did the following steps

```
# yum install ntp ntpdate
# systemctl start ntpd
# systemctl enable ntpd
```

ntpd is working now, when I reboot my system is does not start automatically,

```
[root@vallincltf00 ~]# systemctl status ntpd
ntpd.service - Network Time Service
    Loaded: loaded (/usr/lib/systemd/system/ntpd.service; enabled)
    Active: inactive (dead)
```

When i start it manually, it works:

```
[root@vallincltf00 ~]# systemctl status ntpd
ntpd.service - Network Time Service
    Loaded: loaded (/usr/lib/systemd/system/ntpd.service; enabled)
    Active: active (running) since Fre 2014-11-21 10:21:36 CET; 5s ago
```

Resolución

- RHEL-7 uses chronyd

- More information how to Configure Chronyd (https://access.redhat.com/documentation
  /en-US/Red_Hat_Enterprise_Linux/7/html/System_Administrators_Guide
  /ch-Configuring_NTP_Using_the_chrony_Suite.html)

To run NTP

```
#systemctl stop chronyd.service
#systemctl disable chronyd.service
```

reboot and test

```
sudo systemctl status ntpd.service
ntpd.service - Network Time Service
   Loaded: loaded (/usr/lib/systemd/system/ntpd.service; enabled)
   Active: active (running) since Tue 2014-11-25 09:29:11 IST; 56s ago
  Process: 932 ExecStart=/usr/sbin/ntpd -u ntp:ntp $OPTIONS (code=exited,
status=0/SUCCESS)  Main PID: 963 (ntpd)
   CGroup: /system.slice/ntpd.service
           └─963 /usr/sbin/ntpd -u ntp:ntp -g
```

Causa Raíz

chronyd conflicts with NTPD

```
# cat  /lib/systemd/system/chronyd.service
[Unit]
Description=NTP client/server
After=ntpdate.service sntp.service ntpd.service
Conflicts=ntpd.service
```

Procedimientos para el Diagnóstico

- logs while you try running NTPD manually :

```
Feb 15 13:05:28 server1 ntpd[2464]: ntpd 4.2.6p5@1.2349-o Wed Jan 20 15:22:38 UTC 2016
(1)
Feb 15 13:05:28 server1 systemd: Started Network Time Service.
Feb 15 13:05:28 server1 ntpd[2465]: proto: precision = 0.800 usec
Feb 15 13:05:28 server1 ntpd[2465]: 0.0.0.0 c01d 0d kern kernel time sync enabled
Feb 15 13:05:28 server1 ntpd[2465]: Listen and drop on 0 v4wildcard 0.0.0.0 UDP 123
Feb 15 13:05:28 server1 ntpd[2465]: Listen and drop on 1 v6wildcard :: UDP 123
Feb 15 13:05:28 server1 ntpd[2465]: Listen normally on 2 lo 127.0.0.1 UDP 123
Feb 15 13:05:28 server1 ntpd[2465]: Listen normally on 3 eth0 10.8.88.91 UDP 123
Feb 15 13:05:28 server1 ntpd[2465]: Listen normally on 4 eth0 fe80::215:5dff:fe0f:564f
UDP 123
Feb 15 13:05:28 server1 ntpd[2465]: Listen normally on 5 lo ::1 UDP 123
Feb 15 13:05:28 server1 ntpd[2465]: Listening on routing socket on fd #22 for
interface updates
Feb 15 13:05:28 server1 ntpd[2465]: 0.0.0.0 c016 06 restart
Feb 15 13:05:28 server1 ntpd[2465]: 0.0.0.0 c012 02 freq_set kernel 0.000 PPM
Feb 15 13:05:28 server1 ntpd[2465]: 0.0.0.0 c011 01 freq_not_set
Feb 15 13:05:29 server1 ntpd[2465]: 0.0.0.0 c61c 0c clock_step +0.170927 s
Feb 15 13:05:29 server1 ntpd[2465]: 0.0.0.0 c614 04 freq_mode
Feb 15 13:05:29 server1 systemd: Time has been changed
Feb 15 13:05:30 server1 ntpd[2465]: 0.0.0.0 c618 08 no_sys_peer
[...]
Feb 15 13:13:22 server1 ntpd[2465]: ntpd exiting on signal 15
Feb 15 13:13:22 server1 systemd: Stopping Network Time Service...
Feb 15 13:13:22 server1 systemd: Stopped Network Time Service.
Feb 15 13:13:22 server1 systemd: Starting NTP client/server...
Feb 15 13:13:22 server1 chronyd[2530]: chronyd version 2.1.1 starting (+CMDMON +NTP
+REFCLOCK +RTC +PRIVDROP +DEBUG +ASYNCDNS +IPV6 +SECHASH)
Feb 15 13:13:22 server1 chronyd[2530]: Generated key 1
Feb 15 13:13:22 server1 systemd: Started NTP client/server.
```

systemctl status chronyd.service

```
chronyd.service - NTP client/server
    Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled)
    Active: active (running) since Tue 2014-11-25 08:45:26 IST; 26min ago  Main PID:
883 (chronyd)
    CGroup: /system.slice/chronyd.service
            └─883 /usr/sbin/chronyd -u chrony
```

Producto(s)   **Red Hat Enterprise Linux (/taxonomy/products/red-hat-enterprise-linux)**

This solution is part of Red Hat's fast-track publication program, providing a huge library of solutions that Red Hat engineers have created while supporting our customers. To give you the knowledge you need the instant it becomes available, these articles may be presented in a raw and unedited form.

Comentarios

Política de privacidad (http://www.redhat.com/en/about/privacy-policy)
Términos de uso del Portal del cliente (https://access.redhat.com/help/terms/)
Todas las políticas y lineamientos (http://www.redhat.com/en/about/all-policies-guidelines)

Derechos de autor © 2016 Red Hat, Inc.