

```
# working RHEL6.9 (chrony-2.1.1-2.el6_8.x86_64)
```

```
allow 192.168/16
commandkey 1
driftfile /var/lib/chrony/drift
generatecommandkey
keyfile /etc/chrony.keys
logchange 0.5
logdir /var/log/chrony
log measurements statistics tracking
makestep 10 3
noclientlog
rtcsync
server 172.16.13.100
stratumweight 0
```

```
# chronyc sources
```

```
210 Number of sources = 1
```

```
MS Name/IP address          Stratum Poll Reach LastRx Last sample
=====
^* 172.16.13.100             1 10 377 908 +5759us[+6374us] +/- 11.0s
```

```
chronyc tracking
```

```
Reference ID : 172.16.13.100 (172.16.13.100)
Stratum      : 2
Ref time (UTC) : Tue Jan 30 14:15:26 2018
System time  : 0.000245713 seconds fast of NTP time
Last offset  : +0.000615309 seconds
RMS offset   : 0.000374846 seconds
Frequency    : 24.118 ppm slow
Residual freq : +0.005 ppm
Skew         : 0.106 ppm
Root delay   : 0.015626 seconds
Root dispersion : 10.249045 seconds
Update interval : 1040.0 seconds
Leap status   : Normal
```

```
# Non-working RHEL7.4 (chrony-3.1-2.el7.x86_64)
```

```
allow 172.16.13.0
driftfile /var/lib/chrony/drift
keyfile /etc/chrony.keys
local stratum 11
logchange 0.5
logdir /var/log/chrony
log measurements statistics tracking rtc
makestep 10 3
noclientlog
server 172.16.13.100 prefer iburst maxpoll 10
stratumweight 0
```

```
# chronyc sources
```

```
210 Number of sources = 1
```

```
MS Name/IP address          Stratum Poll Reach LastRx Last sample
```

```
=====
^? winserv0                  1 10 377 145 +1970ms[+1970ms] +/- 11.0s
```

```
# chronyc tracking
```

```
Reference ID      : 7F7F0101 ()
Stratum          : 11
Ref time (UTC)   : Tue Jan 30 14:31:14 2018
System time      : 0.000000024 seconds fast of NTP time
Last offset      : +0.000000000 seconds
RMS offset       : 0.000000000 seconds
Frequency        : 5.772 ppm fast
Residual freq    : +0.000 ppm
Skew             : 0.000 ppm
Root delay       : 0.000000000 seconds
Root dispersion  : 0.000000000 seconds
Update interval  : 0.0 seconds
Leap status      : Normal
```

```
# systemctl status -l chronyd
```

```
• chronyd.service - NTP client/server
```

```
Loaded: loaded (/usr/lib/systemd/system/chronyd.service; enabled; vendor preset: enabled)
```

```
Active: active (running) since Tue 2018-01-30 07:33:29 MST; 16s ago
```

```
Docs: man:chronyd(8)
```

```
man:chrony.conf(5)
```

```
Process: 3713 ExecStartPost=/usr/libexec/chrony-helper update-daemon (code=exited, status=0/SUCCESS)
```

```
Process: 3710 ExecStart=/usr/sbin/chronyd $OPTIONS (code=exited, status=0/SUCCESS)
```

```
Main PID: 3712 (chronyd)
```

```
CGroup: /system.slice/chronyd.service
```

```
└─3712 /usr/sbin/chronyd
```

```
Jan 30 07:33:29 loghost systemd[1]: Starting NTP client/server...
```

```
Jan 30 07:33:29 loghost chronyd[3712]: chronyd version 3.1 starting (+CMDMON +NTP +REFCLOCK +RTC +PRIVDROP +SCFILTER +SECHASH +SIGND +ASYNCDNS +IPV6 +DEBUG)
```

```
Jan 30 07:33:29 loghost chronyd[3712]: Frequency 5.772 +/- 0.280 ppm read from /var/lib/chrony/drift
```

```
Jan 30 07:33:29 loghost systemd[1]: Started NTP client/server.
```

Untitled

HKEY_LOCAL_MACHINE\system\currentcontrolset\services\w32time\parameters
ntpserver REG_SZ time.windows.com,0x1

HKEY_LOCAL_MACHINE\system\currentcontrolset\services\w32time\config
announceflags REG_DWORD 0xa

HKEY_LOCAL_MACHINE\system\currentcontrolset\services\w32time\timeproviders\ntpserver
enabled REG_DWORD 0x1