

NTP XYMon Script

Note: XYMon already can do NTP checks, and timedatectl isn't on old servers, but I like this output better. If you put an NTP tag in xymon/hosts.cfg it will use IT'S test and not this one, if you do that, you'd need to drop that test and re-do this one.

[Install NTP](#)

```

                                HISTORY

Tue Oct 18 21:52:39 EDT 2016

timedatectl | grep {TimeZone,NTP Enabled,NTP Synchronized}
SUCCESS
    Local time: Tue 2016-10-18 21:52:39 EDT
    Universal time: Wed 2016-10-19 01:52:39 UTC
    RTC time: Wed 2016-10-19 01:52:39
    Time zone: America/New_York (EDT, -0400)
    NTP enabled: yes
    NTP synchronized: yes
    RTC in local TZ: no
    DST active: yes
    Last DST change: DST began at
                    Sun 2016-03-13 01:59:59 EST
                    Sun 2016-03-13 03:00:00 EDT
    Next DST change: DST ends (the clock jumps one hour backwards) at
                    Sun 2016-11-06 01:59:59 EDT
                    Sun 2016-11-06 01:00:00 EST

    remote          refid          st t when poll reach  delay  offset  jitter
=====
    LOCAL(0)        .LOCL.         10 l  20  64   1   0.000   0.000   0.000
    *ntp.freesoftwar 208.75.89.4    3 u   8   64   1   0.066 -151975 19.888
    +66.220.10.2     129.6.15.28   2 u   8   64   1  71.207 -151935  0.823
    sanction.trebor 192.5.41.209  2 u   7   64   1  39.149 -151974  0.449
    freemont.nerdbo 216.218.254.202 2 u   5   64   1  72.320 -151974  0.529
    +propjet.latt.ne 44.24.199.34  3 u   7   64   1  96.873 -151983  1.089

synchronised to NTP server (192.168.1.131) at stratum 4
time correct to within 160039 ms
polling server every 64 s

```

Ubuntu 14 :

```

cat << 'EOL' >/usr/lib/xymon/client/ext/ntp.sh
#!/bin/sh

COLUMN=ntp
COLOR=green
MSG="timedatectl | grep {TimeZone,NTP Enabled,NTP Synchronized}"

#In this test, if var = empty = RED
var="$(timedatectl | grep "Timezone: America/New_York")"
var1="$(timedatectl | grep "NTP enabled: yes")"
var2="$(timedatectl | grep "NTP synchronized: yes")"
cmd="$(timedatectl && echo "" && ntpq -p)"

if [ -z "$var" ] || [ -z "$var1" ] || [ -z "$var2" ]

then

COLOR=red
MSG="{MSG}
FAILED
"${cmd}"
"
else

MSG="{MSG}
SUCCESS
"${cmd}"
"
fi

# Leave the rest of script alone
# Tell Xymon about it
$XYMON $XYMSRV "status $MACHINE.$COLUMN $COLOR `date`

${MSG}
"

exit 0
EOL

chown xymon:xymon /usr/lib/xymon/client/ext/ntp.sh
chmod 777 /usr/lib/xymon/client/ext/ntp.sh

cat << 'EOL' >/etc/xymon/clientlaunch.d/ntp.cfg
[ntp]
  ENVFILE $XYMONCLIENTHOME/etc/xymonclient.cfg
  CMD $XYMONCLIENTHOME/ext/ntp.sh
  LOGFILE $XYMONCLIENTHOME/logs/ntp.log
  INTERVAL 15m
EOL

/usr/lib/xymon/client/bin/xymoncmd /usr/lib/xymon/client/ext/ntp.sh

service xymon-client restart

```

Ubuntu 16:

```

cat << 'EOL' >/usr/lib/xymon/client/ext/ntp.sh
#!/bin/sh

COLUMN=ntp
COLOR=green
MSG="timedatectl | grep {TimeZone,NTP Enabled,NTP Synchronized}"

#In this test, if var = empty = RED
var="$(timedatectl | grep "Time zone: America/New_York")"
var1="$(timedatectl | grep "Network time on: yes")"
var2="$(timedatectl | grep "NTP synchronized: yes")"
cmd="$(timedatectl && echo "" && ntpq -p)"

if [ -z "$var" ] || [ -z "$var1" ] || [ -z "$var2" ]

then

COLOR=red
MSG="{MSG}
FAILED
"${cmd}"
"
else

MSG="{MSG}
SUCCESS
"${cmd}"
"
fi

# Leave the rest of script alone
# Tell Xymon about it
$XYMON $XYMSRV "status $MACHINE.$COLUMN $COLOR `date`

${MSG}
"

exit 0
EOL

chown xymon:xymon /usr/lib/xymon/client/ext/ntp.sh
chmod 777 /usr/lib/xymon/client/ext/ntp.sh

cat << 'EOL' >/etc/xymon/clientlaunch.d/ntp.cfg
[ntp]
  ENVFILE $XYMONCLIENTHOME/etc/xymonclient.cfg
  CMD $XYMONCLIENTHOME/ext/ntp.sh
  LOGFILE $XYMONCLIENTHOME/logs/ntp.log
  INTERVAL 15m
EOL

/usr/lib/xymon/client/bin/xymoncmd /usr/lib/xymon/client/ext/ntp.sh

service xymon-client restart

```

CentOS

- See Install Script for CentOS 7

```

cat << 'EOL' >/usr/share/xymon-client/ext/ntp.sh
#!/bin/sh

COLUMN=ntp
COLOR=green
MSG="timedatectl | grep {TimeZone,NTP Enabled,NTP Synchronized}"

#In this test, if var = empty = RED
var="$(timedatectl | grep "Time zone: America/New_York")"
var1="$(timedatectl | grep "NTP enabled: yes")"
var2="$(timedatectl | grep "NTP synchronized: yes")"
cmd="$(timedatectl && echo "" && ntpq -p && echo "" && ntpstat)"

if [ -z "$var" ] || [ -z "$var1" ] || [ -z "$var2" ]

then

COLOR=red
MSG="{MSG}
FAILED
"${cmd}"
"
else

MSG="{MSG}
SUCCESS
"${cmd}"
"
fi

# Leave the rest of script alone
# Tell Xymon about it
$XYMON $XYMSRV "status $MACHINE.$COLUMN $COLOR `date`

${MSG}
"

exit 0
EOL

chown xymon:xymon /usr/share/xymon-client/ext/ntp.sh
chmod 777 /usr/share/xymon-client/ext/ntp.sh

cat << 'EOL' >/etc/xymon-client/client.d/ntp.cfg
[ntp]
  ENVFILE $XYMONCLIENTHOME/etc/xymonclient.cfg
  CMD $XYMONCLIENTHOME/ext/ntp.sh
  LOGFILE $XYMONCLIENTHOME/logs/ntp.log
  INTERVAL 15m
EOL

/usr/share/xymon-client/bin/xymoncmd /usr/share/xymon-client/ext/ntp.sh

service xymon-client restart

```