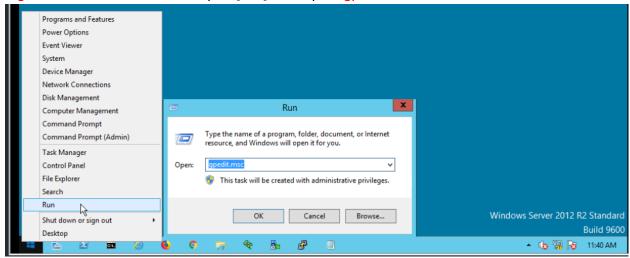
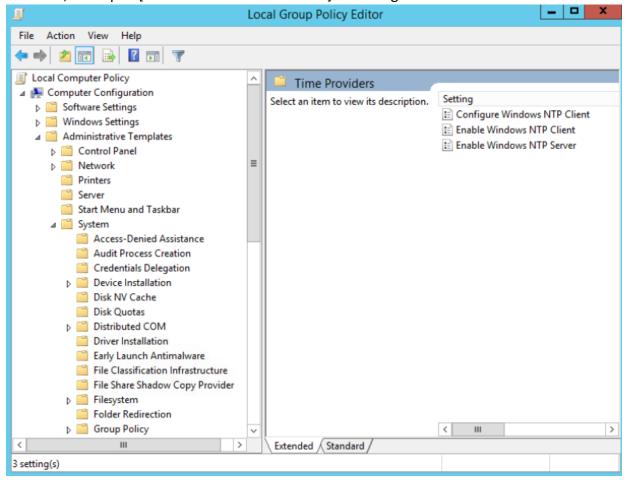
Windows 2012 NTP Server:

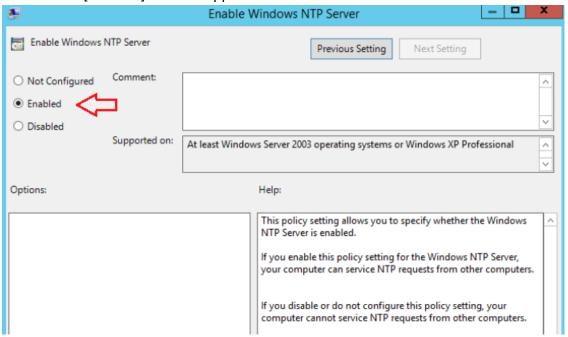
Right-click Windows icon and open [run] and input "gpedit.msc" like follows.



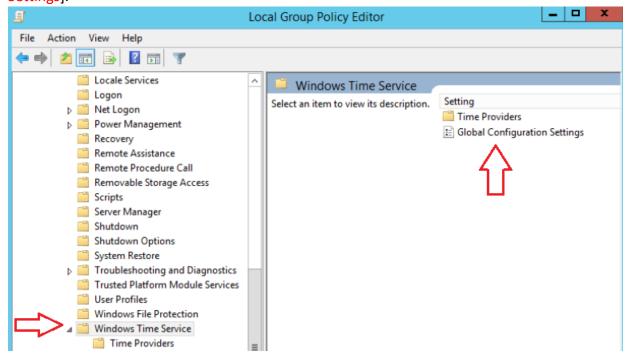
Select [Administrative template] - [System] - [Windows Time Service] [Time Providers] on the left Pane, and Open [Enable Windows NTP Server] on the right Pane.



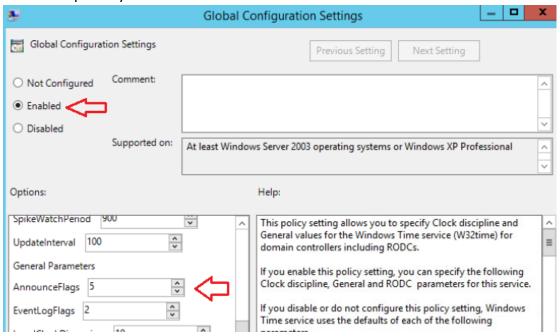
Check a box [Enabled] which is upper-left like follows.



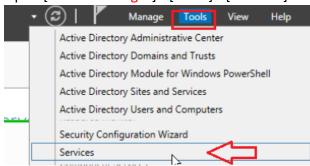
Back to [Windows Time Service] on the left Pane, and click to Open [Global Configuration Settings].



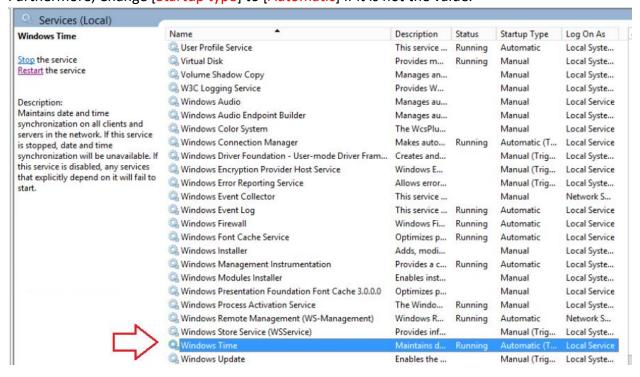
Check a box [Enabled] which is upper-left and change [AnnounceFlag] to [5] like follows. Then Close Group-Policy-Editor.

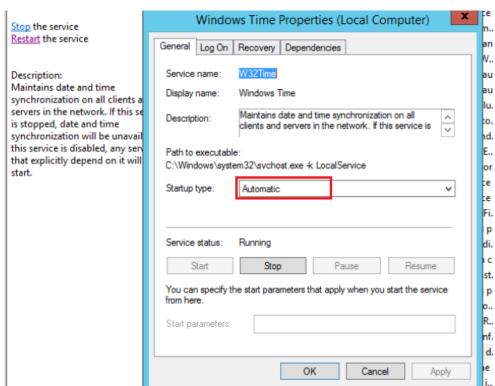


Open [Server Manager] - [Tools] - [Services].



Select [Windows Time] Service and click [Start the service] or [Restart the service]. Furthermore, Change [Startup type] to [Automatic] if it is not the value.





If Windows Firewall is enabled, allow 123/UDP.

NTP Server Software:

Go to this link https://www.meinbergglobal.com/english/sw/ntp.htm download NTP Server application ntp-4.2.8p15-v2-win32-setup.exe to your system. Click to start installation.

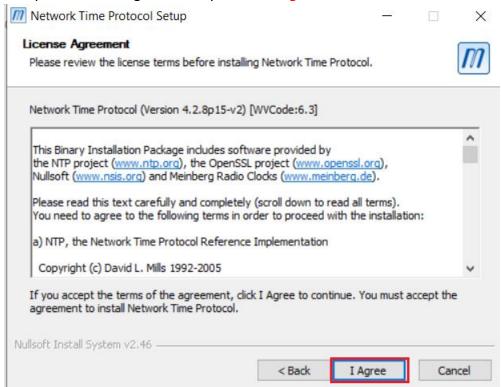
It is explicitly recommended to upgrade earlier installations to this version.



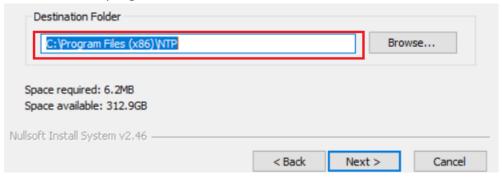
24 February 2021

NTP package with IPv6 support for Windows XP and newer

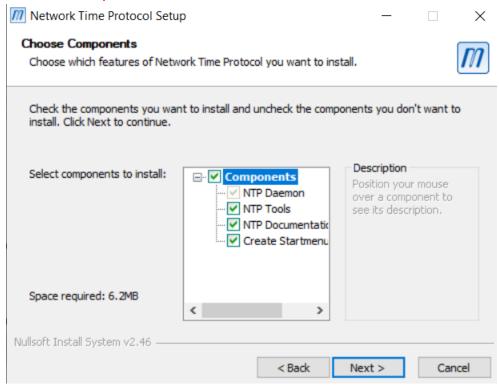
Accept the license agreement by click on I Agree button.



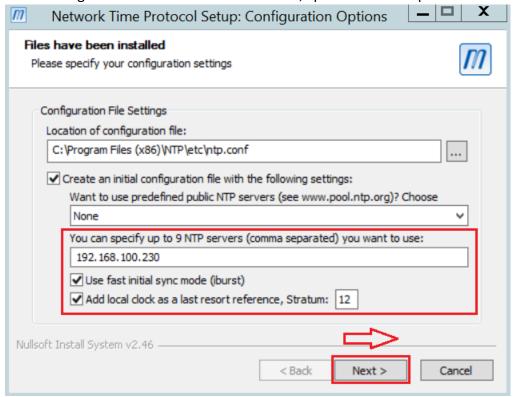
Select the local program folder.



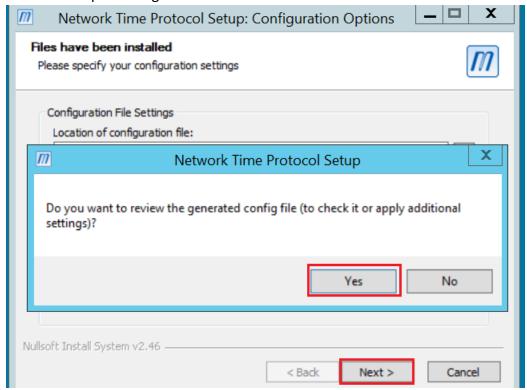
Select the components to be installed.



Initial configuration with external time server, specification of up to 9 external NTP servers.



Click Yes to open configuration file to edit it.



When the NTP configuration file open remove iburst and save the file to apply the setting.

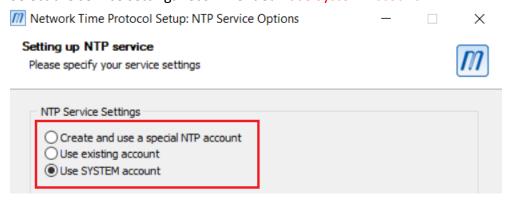
```
# Use drift file
driftfile "C:\Program Files (x86)\NTP\etc\ntp.drift"

# your local system clock, should be used as a backup
# (this is only useful if you need to distribute time no matter how good or bad it is)
server 127.127.1.0

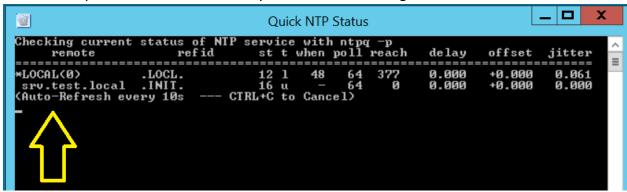
# but it operates at a high stratum level to let the clients know and force them to
# use any other timesource they may have.
fudge 127.127.1.0 stratum 12

# Use specific NTP servers
server 192.168.100.230 iburst minpoll 6 maxpoll 7
```

Select the service settings recommended "Use System Account".



Go to start open NTP Status file to verify NTP server is running and Star is in front of LOCAL.



Download NTPTool (ntp-server-tool.exe) to verify the status as well.

