

Configuring DC to Sync Time with External NTP Server

How to set the DC to sync with an internet time server or NTP server external to the network

- [Configure NTP with w32tm.exe](#)

Configure NTP with w32tm.exe

OBJECTIVE: To configure the Domain Controller to use an external NTP server to keep time reliable and accurate.

STEP 1: Open command prompt as an administrator and enter the following command

```
w32tm.exe /config /manualpeerlist:"0.pool.ntp.org,0x8 1.pool.ntp.org,0x8 2.pool.ntp.org,0x8"  
/syncfromflags:manual /update
```

/Syncfromflags:manual—enables synchronization of the NetTime service with an external source

/manualpeerlist:"time.windows.com,0x8 0.pool.ntp.org,0x8 1.pool.ntp.org,0x8"—lists external NTP servers for synchronization.

The 0x8 parameter means that synchronization is performed in the NTP client mode in accordance with the interval suggested by the NTP server.

The following values are allowed for synchronization parameters with external NTP servers:

- 0x1 — SpecialInterval, use of a special polling interval;
- 0x2 — UseAsFallbackOnly mode;
- 0x4 — SymmetricActive, symmetric active mode;
- 0x8 — Client, send request in client mode.

STEP 2: Now you need to ensure that you set the PDC-Emulator as a reliable source of time

```
w32tm /config /reliable:yes
```

STEP 3: Now you need to restart the W32Time service on the PDC

```
net stop w32time && net start w32time
```

STEP 4: Synchronize the time with the following Command

```
w32tm /resync
```

[Source of information](#)