

Re: GPS Unit for Timekeeping on Linux?

Source: <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2005-01/0879.html>

From: W. Watson (*wolf_tracks_at_invalid.inv*)

Date: 01/10/05

Date: Mon, 10 Jan 2005 02:28:35 GMT

FG wrote:

> *By copying the following to a txt file and renaming it to *.reg,*
> *Windows' clock will synchronize daily.*
> =====
> *Windows Registry Editor Version 5.00*
>
> *[HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\W32Time\TimeProviders\NtpClient]*
> *"Enabled"=dword:00000001*
> *"InputProvider"=dword:00000001*
> *"AllowNonstandardModeCombinations"=dword:00000001*
> *"CrossSiteSyncFlags"=dword:00000002*
> *"ResolvePeerBackoffMinutes"=dword:0000000f*
> *"ResolvePeerBackoffMaxTimes"=dword:00000007*
> *"CompatibilityFlags"=dword:80000000*
> *"EventLogFlags"=dword:00000000*
> *"DllName"="C:\\WINDOWS\\System32\\w32time.dll"*
> *"SpecialPollTimeRemaining"=hex(7):74,00,69,00,6d,00,65,00,2e,00,77,00,69,00,6e,*
> *00,64,00,6f,00,77,00,73,00,2e,00,63,00,6f,00,6d,00,2c,00,37,00,39,00,36,00,*
> *63,00,33,00,35,00,39,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,*
> *00,00,00,00,00,00,00*
> *"SpecialPollInterval"=dword:00006180*
> =====
>
>
> *<dold@XReXXGPSXU.usenet.us.com> a écrit dans le message de news:*
> *cng1Ii\$ujm\$I@blue.rahul.net...*
>
>> *W. Watson <wolf_tracks@invalid.inv> wrote:*
>>
>>> *computers. However, the one in the house in Win XP. I'm not sure Linux*
>>> *and Win are*
>>> *easy to network.*
>>
>> *I just did an "ntpdate" from redhat 9 to my WinXP system, so you ought to*
>> *be able to set WinXP as the ntp server for your linux box. I had to play*
>> *with the WinXP-SP2 firewall to get that to work.*
>>

sci.geo.satellite-nav: Re: GPS Unit for Timekeeping on Linux?

>>If you have a WinXP system, double-click the clock, and select internet
>>time (a third tab on the clock setting page if you aren't in a domain).
>>Select a reasonable time server. Earthlink doesn't seem to offer an ntp
>>server. Sometimes the pop server or smtp server, or dns servers will
>>respond to ntp requests, but not at Earthlink. ntp.exodus.net works.
>>
>>Windows gets the time about once a week. When you synchronize, it tells
>>you when it is going to synchronize next. You could install ntp on the
>>Windows box if that isn't good enough. Actually, I just looked at mine.
>>It synchronized at 8:58, and is going to sync again at 9:58.
>>
>>Linux and Windows love each other ;-) I share files, and run VNCviewer so
>>I can mirror either windows or unix consoles to the other machine.
>>
>>--
>>---
>>Clarence A Dold - Hidden Valley (Lake County) CA USA 38.8-122.5
>>
>
>
>

Well, I'm back after an arduous effort to get Linux to sync off XP Pro (with SP2). I think my conclusion is that XP Pro does not provide an NTP server at all or that it is not compatible with Linux.

Do your changes produce a useful NTP server on XP pro?

I found a web site, <<http://support.microsoft.com/kb/314054#EXTERNAL>>, that supposedly produces an authoritative NTP server by modifying the registry. I tried the modification and immediately ran into a problem at step 3. It requires entering the value TimeInSeconds to what is a binary field. This does not seem right to me. Comments?

As an aside, I exported the registry before attempting to make the 9 step changes, but had to import the file when I made a slight goof in an early step. After regedit apparently reloaded the file, it protested that some values were in use and could not be restored. What's that about. My system seems OK.

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Wayne T. Watson (Watson Adventures, Prop., Nevada City, CA)
(121.015 Deg. W, 39.262 Deg. N) GMT-8 hr std. time)
Obz Site: 39° 15' 7" N, 121° 2' 32" W, 2700 feet
Web Page: <home.earthlink.net/~mtnviews>