

Re: Alternative clock display

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-06/msg01122.html>

- *From:* Jim Thompson <thegreatone@xxxxxxxxxxxx>
 - *Date:* Wed, 08 Jun 2005 09:59:47 -0700
-

On Wed, 08 Jun 2005 16:42:28 GMT, Tim Hubberstey <bogus@xxxxxxxxxxxx> wrote:

>Jim Thompson wrote:

>> On Wed, 08 Jun 2005 04:10:44 GMT, Tim Hubberstey <bogus@xxxxxxxxxxxx>

>> wrote:

>>>

>>>If you're running Windows 2000 (and probably XP), there is an NTP client
>>>built into the OS (called W32time, IIRC). All you need to do is enable
>>>it and point it at a server.

>>

>>

>> All I can find on my Win2K system is w32time.dll

>>

>> How do you use it?

>>

>> Socketwatch queries multiple servers. It's presently showing 11

>> active servers.

>

>Sorry, I don't remember the exact process for setting it up. I'll tell
>you what I remember.

>

>1. w32time.dll runs as a service named "Windows Time". In addition to

>syncing with a NTP server, it also figures out a fudge factor for your

>PC's clock and applies it to maintain accuracy between server queries.

>Find it in the Admin Tools -> Services tool and change the startup type

>to "Automatic".

>

>2. Open a DOS box and type:

>NET TIME /SETSNTP[:ntp server list]

>

>You may need to reboot to have this take effect. If things are working,

>you should have registry entries something like this:

>

>[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\Parameters]

>"LocalNTP"=dword:00000000

>"Period"="SpecialSkew"

>"type"="NTP"

>"ntpserver"="timelord.uregina.ca"

Re: Alternative clock display

>"Adj"=dword:0001873c
>"msSkewPerDay"="603.0000"
>
>There is a white paper on setting up the service on the Micro\$oft
>website. I think I found it by searching for NTP or SNTP. There is also
>documentation in the Windows help system.
>
>I was using the US Navy NTP server (TICK/TOCK...), but I found it to be
>very unreliable. It is possible (and not unreasonable) that it was
>filtering out-of-country requests so YMMV.
>
>It was a bit of a pain to setup initially, but it has been chunking
>along without intervention for quite a while now.

I think I'll just stick with SocketWatch, it's working just fine, cost \$10, and requires no mental capacity on my part. (Plus it has a neat "countdown" feature for setting your watch.)

Presently reporting....

cuckoo.nevada.edu – ***ACTIVE SERVER***
ntp.ucsd.edu – OK
rolex.peachnet.edu – OK
ntp3.cs.wisc.edu – OK
ntp1.cs.wisc.edu – OK

(I have it set to maintain 5 servers minimum.)

...Jim Thompson

--

James E. Thompson, P.E.	mens
Analog Innovations, Inc.	et
Analog/Mixed-Signal ASIC's and Discrete Systems	manus
Phoenix, Arizona Voice:(480)460-2350	
E-mail Address at Website Fax:(480)460-2142	Brass Rat
<http://www.analog-innovations.com>	1962

I love to cook with wine. Sometimes I even put it in the food.

.

-
- *Follow-Ups:*
 - ◆ **Re: Alternative clock display**
◇ From: Tim Hubberstey

 - *References:*
 - ◆ **OT: Alternative clock display**
◇ From: Terry Pinnell
 - ◆ **Re: Alternative clock display**
◇ From: Guy Macon

Re: Alternative clock display

- ◆ **Re: Alternative clock display**
 - ◇ From: Joerg
- ◆ **Re: Alternative clock display**
 - ◇ From: Spehro Pefhany
- ◆ **Re: Alternative clock display**
 - ◇ From: Jim Thompson
- ◆ **Re: Alternative clock display**
 - ◇ From: Tim Hubberstey
- ◆ **Re: Alternative clock display**
 - ◇ From: Jim Thompson
- ◆ **Re: Alternative clock display**
 - ◇ From: Tim Hubberstey

- Prev by Date: **Re: Geometrically distributed random numbers on Rabbit 2000.**
- Next by Date: **a different kind of hybrid**
- Previous by thread: **Re: Alternative clock display**
- Next by thread: **Re: Alternative clock display**
- Index(es):
 - ◆ **Date**
 - ◆ **Thread**