How Do I Setup NTP Client for PeoleSoft DB Servers?

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{xtypo_dropcap}W{/xtypo_dropcap}hy do we need to have sync up your servers with NTP [Network Time Protocol] server/service? Especially for the servers hosting PeopleSoft Databases. When a process runs or a schedule job gets kicked off through process scheduler, it uses the sysdate from the database. The database gets its timestamp from the server OS where database is installed.

There could be many issues with the system time is not in sync with the actual time. Especially in places where the jobs run for different applications including PeopleSoft and other application jobs integrated with PeopleSoft jobs using tools like CONTROL-M, the requirement to have the server times synced is very important. Else the processes will not start and run as planned. It is more critical if your managing global system and it has been accessed globally at different time zones.

Here is the simple and easiest way to set this up.The below commands would work on CentOS Linux and Red Hat Enterprise Linux. [Need root access]

RHEL:

- 1. Install the NTP package if it is not already installed. Check if you have it installed already. Mostly it is installed. [command: rpm –q ntp]:
- # yum install ntp
- 2. To have the NTP service started at boot time:
- # chkconfig --levels 235 ntpd on
- 3. Specify the NTP server you’ll be synchronizing with:
- # ntpdate 0.pool.ntp.org
- 4. Start the NTP service:
- # service ntpd start

Visit http://support.ntp.org/bin/view/Servers/NTPPoolServers and find the list of public ntp servers which can be synced with in your time zone.

NTP configurations are stored in /ete/ntp.conf. Check this for more customization and options of more secondary NTP servers.

Solaris 9:

- # ntpdate -q 0.pool.ntp.org -- to check if there is no permission to access the ntp server
- # /etc/rc2.d/S74xntpd stop -- to stop the service before changing
- # ntpdate -b 0.pool.ntp.org -- to set the server
- # /etc/rc2.d/S74xntpd start -- to start the service
- # ntpq -p -- this command will check if it is set properly

```
-      remote           refid      st t when poll reach   delay   offset    disp
==============================================================================
 hatch.dayww.net time-A.timefreq  2 u   31   64    3    41.43  -78.815 7876.13
 druid.storyinme navobs1.gatech.  2 u   31   64    3    71.35  -83.814 7877.24
```

config file for Solaris /etc/inet/ntp.conf