

# NTP - Network Time Protocol

In order to keep the server with an accurate timekeeper - the server is setup to update its time via ntp.hea.net. This server can then if require, act as a ntp server for a local network.

To Install:

```
apt-get install ntp-simple ntpdate
```

edit /etc/ntp.conf and change:

```
server ntp.hea.net
```

To start/ restart /etc/init.d/ntpdate start|restart and /etc/init.d/ntp-server start|restart Also - to tweak book-up preferences:

```
sysv-rc-conf
```

## Xen - Time, Date and Virtual Machines (VMs)

Even if you install ntp and get it working, it may not be able to update the system time or date. Similarly the "date" command itself may not be able to set the system time. If your using Xen and want to set the time on a Virtual Machine, you will need to run the following on each VM:

```
echo 1 > /proc/sys/xen/independent_wallclock
```

Source: <http://lists.xensource.com/archives/html/xen-users/2005-05/msg00169.html>

## Time Zone

Depending if your in GMT or accounting for daylight savings etc. you would be well advised to run the following:

```
tzconfig  
#its a simple selection from there.
```

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Information obtained from:

<http://www.metaconsultancy.com/whitepapers/setup.htm>