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Subject: Time falls behind in Hardware(host) node  
Posted by [swapneel](#) on Tue, 19 May 2009 21:46:47 GMT  
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Hey Guys,

We are seeing a peculiar issue with one of our hardware node(host), the time keeps falling behind. We have NTP running in the server syncing time with time.nist.gov  
The command below shows the lag in time after and before syncing it using rdate.

```
[root@myserver ~]# date ; rdate -s rdate.cpanel.net ; date  
Tue May 19 13:54:35 PDT 2009  
Tue May 19 14:21:28 PDT 2009
```

There are no relevant messages in the messages log. The kernel running in the host node is 2.6.18-92.1.18.el5.028stab060.8ent

Has anyone come across this issue ? We've had the manufacturer of the server look into this issue but they haven't found out anything else.

Any input will be much appreciated. Thanks !

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [maratrus](#) on Wed, 20 May 2009 11:44:21 GMT  
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Hi,

could you please tell us how long it takes your system to fall behind the actual time in a half of hour?

When did you issue the provided command? Just after the boot?

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [swapneel](#) on Wed, 20 May 2009 16:47:55 GMT  
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> could you please tell us how long it takes your system to fall behind the actual time in a half of hour?

It's subjective and time lags by 5-10 minutes in 30 minutes time frame.

> When did you issue the provided command? Just after the boot?

The server has been online for 8 days now. The command is being executed every now and then to determine the lag in time in the server.

As of now,

Quote:

```
[root@myserver ~]# date ; rdate -s rdate.cpanel.net ; date
```

```
Wed May 20 09:15:05 PDT 2009
```

```
Wed May 20 09:42:43 PDT 2009
```

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [maratrus](#) on Mon, 25 May 2009 07:39:23 GMT

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Could show the output of

```
# cat /sys/devices/system/clocksource/clocksource0/available_clocksource
```

```
# cat /sys/devices/system/clocksource/clocksource0/current_clocksource
```

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [swapneel](#) on Mon, 25 May 2009 08:00:14 GMT

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Here is the output,

```
[root@myserver ~]# cat /sys/devices/system/clocksource/clocksource0/available_clocksource  
acpi_pm jiffies hpet tsc
```

```
[root@myserver ~]# cat /sys/devices/system/clocksource/clocksource0/current_clocksource  
tsc
```

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [maratrus](#) on Mon, 25 May 2009 08:05:00 GMT

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Please, try another clocksources, e.g. acpi\_pm

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [swapneel](#) on Mon, 25 May 2009 15:56:50 GMT  
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Hey maratus,

How do we go about using a different clocksource ?

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Subject: Re: Time falls behind in Hardware(host) node  
Posted by [maratrus](#) on Tue, 26 May 2009 04:34:07 GMT  
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Hi,

I don't quite understand you.

Are you asking about the way making acpi\_pm be a current clocksource?

```
# echo "acpi_pm" > /sys/devices/system/clocksource/clocksource0/current_clocksource
```

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