

Re: Wrong result from System.currentTimeMillis()

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- *From:* Nigel Wade <nwm@xxxxxxxxxxxx>
 - *Date:* Mon, 07 Jan 2008 14:48:04 +0000
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alberto.poz@xxxxxxxx wrote:

Actually I forget to specify that my RedHat is a VMware virtual appliance.

Ahhhhh. So it's a virtual OS. I really have no idea how that would affect the hardware clock and its interpretation by the Linux kernel.

That's what I can get from OS:

```
# uname -a
Linux sec-rfid-prod 2.6.9-42.0.3.EL #1 Mon Sep 25 17:14:19 EDT 2006
i686 i686 i386 GNU/Linux
```

```
# cat /etc/sysconfig/clock
ZONE="Europe/Rome"
UTC=true
ARC=false
```

Try setting the clock to UTC=false, the hardware clock is probably set to local time if it's running under VMware, but check it. Don't edit this file, use system-config-date and in the Time Zone tab uncheck the "System clock uses UTC" checkbox.

```
# hwclock
Mon 07 Jan 2008 01:10:04 PM Europe/Rome -0.454620 seconds
```

```
# date +%s
1199711211
```

```
System.currentTimeMillis()
1199711210192
```

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(they seem to be equal ...)

Not exactly equal. Which did you output first? The date value is 1 second after the Java value, if you output date first how has your clock gone backward?

The important point, though, is that value is for 13:06:51 UTC, i.e. 14:06:51 CET. So it looks like Java is correct, and date is wrong.

Can you suggest me any other thing to check?

Not really. I don't have VMware so can't check anything.

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