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Problem in setting RTC

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by **jishnu_oman** » Sat Aug 03, 2013 6:50 pm

pi@raspberrypi512:~\$ sudo hwclock -r

hwclock: Cannot access the Hardware Clock via any known method.

hwclock: Use the --debug option to see the details of our search for an access method.

pi@raspberrypi512:~\$ sudo hwclock --debug

hwclock from util-linux 2.20.1

hwclock: Open of /dev/rtc failed: No such file or directory

No usable clock interface found.

hwclock: Cannot access the Hardware Clock via any known method.

It was working perfectly till Thursday i.e. 01/08/2013.... then on friday i.e. 02/08/2013... i did
sudo apt-get update and sudo apt-get upgrade.....and after this I am facing above problems.

Any solution please

Thanks

jishnu_oman

by **Schorschi** » Thu Aug 15, 2013 4:34 am

Do the update change the blacklist or modules.conf files? Are you sure the correct modules
are still being loaded?

by **Hana_17** » Tue Aug 27, 2013 9:54 am

Hi,

I am a new user of the raspberry pi and currently I am using the **DS1302 RTC** as which is the
same as the one used in the tutorial: <http://www.hobbytronics.co.uk/raspberry-pi-real-time-clock>.

I would appreciate it if anyone could help me with the following:

(1) Just to confirm that I have understood it correctly:

The author uses the GPIO pins to interface with the RTC since it is based on 3-wire SPI and
does not support neither I2C nor regular (4-wire) SPI.. is this correct..?

(2) So far I have been able to change the date & time of the pi using sudo ./rtc-pi
CCYYMMDDhhmmss,

but, when I then type sudo ./rtc-pi, should it display the real current time or the the time that I
have chosen using sudo ./rtc-pi CCYYMMDDhhmmss..? because for me, it does not display
the current real time.

(3) At the end of the tutorial, the author writes "You should set this command to run when the
Raspberry Pi boots up. There are many ways to do this, so we will leave it up to you to
decide which method is best for you.".. Can you please suggest a method of how to do this..?

(4) Would you suggest that I switch to another RTC module..?

Many Thanks

by **sandiep** » Mon Jan 27, 2014 1:12 pm

Hello Sachin,

I have also same problem.

When i Try to "sudo ./rtc-pi 20140101010101". It gets executed successfully.

But when i try "sudo ./rtc-pi", I am getting error message as

"Unable to change the system time. Did you run the program as an administrator?

The operation returned the error message "Invalid argument".

I am running on Rpi-B, and has made changes to 'rtc-pi.c' and recompiled it.

Any help will be appreciated.

by **Zeepo** » Mon Jul 21, 2014 9:11 pm

Hi,

Posts: 15**Joined:** Thu Jun 21, 2012

6:04 am

Posts: 121**Joined:** Thu Nov 22, 2012

9:38 pm

Posts: 1**Joined:** Wed Aug 07, 2013

8:09 am

Posts: 1**Joined:** Mon Jan 27, 2014

1:03 pm

Posts: 4

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<http://captainbodgit.blogspot.fi/2014/0/... rrypi.html>

But for some reason i cannot compile the program given in this tutorial, it will start compiling with `sudo cc rtc-pi.c` but some reason gives lots of error messages: `rtc-pi.c:235:1: error stray '\302' in program.`

Do i miss some library or does something needed to be activated.

I have installed WiringPi and i have latest version of raspian depian wheezy running.

Thanks for advance 😊

by **Zeepo** » Tue Jul 22, 2014 9:07 pm

Hello,

Posts: 4

Joined: Mon Jul 21, 2014

8:52 pm

Managed to get RTC work. I read instructions from here <https://learn.adafruit.com/adafruits-ra... it-pi-code> and installed these:

1. `sudo apt-get install git`
2. `sudo apt-get install python-dev` //Python Development toolkit
3. `sudo apt-get install python-rpi.gpio`
4. `sudo nano /etc/modules` // need to add to lines: `i2c-bcm2708` and `i2c-dev`
5. `sudo apt-get install python-smbus`
6. `sudo apt-get install i2c-tools`
7. `sudo nano /etc/modprobe.d/raspi-blacklist.conf` // removed blacklist `spi-bcm2708` and blacklist `i2c-bcm2708` from blacklist

After that i followed instructions from <http://captainbodgit.blogspot.fi/2014/0/... rrypi.html>

First i tried to copy paste straight from the screen but i couldn't compile the code, after that i used notepad++ to save code to C format and i managed to compile the code.

After that it did get the RTC working.

Like i said i am new with Raspberry Pi, well see what happens when i try use RTC values in my next project which is stand alone datalogger... 😊

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