

Re: System halt

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- *From:* Erwin Zwart <"erwin AT GuruCE DOT com">
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Hi,

Ofcourse this is very hard for us to determine what goes wrong.

First of all what is your serial debug output telling you, any hints on of what/where the cause could be?

Second try to minimize the number of drivers active (or loaded) in the OS. If that works you can add one by one the drivers (with all debug zones on!) and determine where the issue can be.

Do have a scenario where you can reproduce the problem? This also can help you finding the issue.

Do you have a hardware debugger (JTAG). Maby you can find out wheter the system is in a while(true) loop.

Good luck,

Erwin Zwart
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vaisakh p s schreef:

Hi guys,

I facing a problem, while resuming from suspend mode.
I believe the system is going into a Halt during the resuming process.
How to deal with this ? And how to pin point from where the system halt is occuring.

When I did some digging in MSDN I found out that, during the execution of the
XXX_PowerUp and XXX_PowerDown Routines of each drivers, there should not be any system calls. If so that system will perform a Halt operation by invoking lpNkHaltSystem in OEM.

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Based on this I analyzed the powerup and powerdown routines in the driver and found that the custom battery driver (which we designed) was invoking a DeviceIocontrol. So I moved the same functionality by implementing the Power Manager IOCTLs in the driver. I seemed to work...

But sometimes, again the system is halting. But I am not able to pin point the origin of halt. Have anyone seen such a behavior? If so can you give me some tips to deal with this.

Now when a halt occurs, the system is calling OEMPowerOff and going into suspend.

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Thanks & regards,
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