



# Cpu0704 cpu1 machine check error detected power cycle system

Why am I getting a CPU check error?

It could be caused by a non-CPU event, such as a firmware mismatch, a system BUS interruption, or a memory read/write interruption. To resolve this error, you can try the following steps: Check the system event log for any other errors occurring around the same time as the CPU machine check error.

How do I fix a CPU check error?

Check the system event log for any other errors occurring around the same time as the CPU machine check error. If any other errors are identified, resolve these errors first. Update the BIOS and iDRAC firmware to the latest version. You can use the iDRAC interface or other methods to update the firmware. Clear the system event log.

What does a CPU error mean?

But an indication that the CPU has detected an error in the system, or received an erroneous instruction from a system component. It is caused by a non-CPU event, such as a firmware mismatch, a system BUS interruption or a memory read/write interruption.

What is CPU IERR / CPU machine check error?

The CPU Internal Error (CPU IERR) or CPU Machine Check error is usually not an error of the CPU itself. But an indication that the CPU has detected an error in the system, or received an erroneous instruction from a system component.

What is Message ID cpu0704?

Message ID CPU0704, description is "CPU 1 machine check error detected." After restarting the server then it returns to normal. I would like to know if anyone has encountered this situation and how to fix it. Please help.

What if CPU bus parity error is detected?

CPU bus parity error detected. System event log and OS logs may indicate that the exception is external to the processor. Check system and operating system logs for exceptions. If no exceptions found, remove input power, reinstall the processor, then apply input power. CPU bus parity error detected. Power cycle system

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Provides troubleshooting steps to recover from an IERR ("Processor CPU Machine Chk", "CPU Internal Error", "CPU IErr", or "CPU Machine Check error")



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Hello!System hardware:Xeon E5-2673 v3 (x2), 128GB RAMI have a Dell Powerededge 730xD (2cpu). In the past 2 months, we had 3 "crashes" after ~2.5 years error-free operation. From iDrac we got these er...

Critical System Boot CPU1 Status: processor sensor for CPU1, IERR was asserted OK System Boot CPU1 Status: processor sensor for CPU1, IERR was deasserted. The other one got this once in June... Non-Recoverable 06/13/2013 15:13:50 CPU 1 machine check detected. BOTH SYSTEMS BOOT NORMALLY.

But an indication that the CPU has detected an error in the system, or received an erroneous instruction from a system component. It is caused by a non-CPU event, such as a firmware ...

2023-05-10 04:42:22 CTL129 The boot media of the Controller RAID Controller in SL 3 is Disk.Virtual.239:RAID.SL.3-1. Log Sequence Number: 294 Detailed Description: The boot media of the Controller is as identified in the message.

??,?????:???,?????1??,?????????,????????,????????????????,????????????????,????????????????,???????

Thanks for the link and for both of your responses. I think you're right. I just sent out an email letting them know that we need to start the process for replacement of the servers as they haven't been able to help us fix the issue and we have not made any kind of progress.

- Then we took CPU 1 put it in CPU 1 slot and took CPU 2 out and it booted perfectly. Does that indicate there is a problem with the CPU 2's slot? To make sure it really is the board, what would you recommend we do to test?

??????5.7k?,??6?,??16????????????dell  
r????????????,????????????,????????????,?cpu????????????????,??bios????????dell?????idrac?????,?????idrac?????  
???????????????

Hi, leave it disabled because it is not designed for this feature and if you still not trust the CPU you could run the Intel CPU Diagnostic Tool to verify that your CPU is not defective.

With no other hardware changes, the machine now throws CPU0704 errors. Literature suggests this is the cpu logging errors outside of the cpu itself if I understand correctly. These errors typically occur upon booting into windows 10 at which point the system locks up, fans go to full load, and it instructs me to power cycle.

Power cycle system. ?? &lt;bus&gt; ?? &lt;device&gt; ?? &lt;func&gt; ?? PCI ??????,??????????  
????????????,PCI ?????????,??????????



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1,AMP0302The system board &name; current is greater than the upper warning threshold.??  
&name; ??????????:?? 2,AMP0303System board &name; current  
is outside of range.?? &name; ??? ...



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