

Re: Mouse and Keyboard Freeze

Source:

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rochon wrote:

> *Thanks, Barry.*

> *Now my pc won't boot up at all. It keeps trying, but just keeps starting over and over. It obviously was not the mouse or keyboard that was locking up. After about an hour of surfing it would just freeze, and I would have to turn it off manually.*

>

> *Since it would reboot immediately, do you think it could have been heating up? It didn't have time to cool down IMHO.*

Likely. Shut it down, check all of the cables for the CPU fan, and go grab a sandwich or something; let it cool off. Then with the case open, start the computer and watch the CPU fan. It should spin and suck air into the CPU heatsink. If your fan has failed, take off the dead fan (if you can) and replace it, or grab a window fan and have it blow air into your computer.

If you have a Pentium 4 with 512 KB of L2 cache (a C-revision), go into the BIOS and look for an option called "Delay Prior to Thermal." Guess how long it takes your computer, from power-up, to finish booting and loading Windows. Your choices will be 4, 8, 16 and 32 minutes. Set it to your boot time, rounded up to the nearest choice.

Examples:

2 minutes to boot, 4 minute delay.

5 minutes to boot, 8 minute delay.

40 minutes to boot, something is seriously wrong.

What "Delay Prior to Thermal" does is, after the grace period you just set, waits for the on-die thermal probe to register 38 degrees Celsius (100 degrees Fahrenheit). Once that point is passed, the chipset mixes your commands with HALT commands (50-70% of your CPU time, depending on how hot it is) in an effort to cool down the CPU. Delaying this allows for the CPU-intensive boot process to complete quickly.

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Colin