How to Troubleshoot Blue-Screen Error with Dell PC

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What is â€œBlue Screen of Deathâ€• also commonly referred as Blue-Screen error? Ask anybody with a Dell PC, and you will get overwhelming replies. Donâ€™t abuse your Dell machine. An evaluation reveals that software errors in device drivers are the probable reasons. In NT-based Windows systems poorly-written device drivers and in the Windows 9 x family of operating systems incompatible DLL driver files or bugs are responsible for the cause. Hardware faults are limited, and happen when there is slip with the RAM or power supply. The error stops the system resources to respond to the Windows files, and the screen displays desired information, usually in white fonts over a blue-screen, for diagnostic purposes. There can be different instances such as: Windows detecting an error it cannot recover from without losing data, Windows detects that critical OS data has become corrupted, Windows detects that hardware has failed in a non-recoverable fashion.

Contacting Dell Technical Support is a good option. Access the service via e-mail or phone hotline, and experts will come to rescue in no time. Numeric value accompanied with the error is an indication of the nature of problems, and before going with tech support, you can try to overcome the issues on your own.For instance, if you are getting errors as:

Stop 0x000000ED (UNMOUNTABLE_BOOT_VOLUME) or

Stop 0x0000007B (INACCESSIBLE_BOOT_DEVICE)

it means that system has loaded NTLDR and transferred control of the startup process to NTOSKRNL, and the latter is confused.

Hence, troubleshooting involves finding the exact reason that why the Windows kernel is confused and fix the cause of the confusion. If it has happened due to fault in system BIOS then you can try by toggling from ATA to AHCI mode (or vice versa). Try changing the RAID settings back to â€œAutodetectâ€• if you think this is the probable cause. Execute the built-in hardware diagnostics tool an scan the system resources to find associated errors. Integrated Windows recovery console can also check all hard-drive partitions to know about potential fault.

Though, your Dell PC or laptop comes with a warranty period, but there canâ€™t be a restriction on the error. The least advantage calling Dell Help-desk is that you donâ€™t have to pay for the hardware related faults, as that is subject to free replacement or repair. However, if the problem is software related then you are supposed to pay for the same. Experts will help you to restore the default factory settings in a quick and easy manner either using the Windows Recover Options or with the use of Windows Installation CD. Cooperate with experts by furnishing the right system information, say if the issue has encountered with incorrect BIOS settings or due to installation of new piece of driver or software then they will help take the desired steps.

At times, viruses and malware can also invite the unpleasant Blue-screen error by corrupting the system software and driver applications. Understanding the situations, Dell Support experts can run a compatible tool to eradicate those culprits. They may also perform manual removal via editing the Windows Registry settings, if required. Further, they can optimize your Dell system so that you can enjoy smooth computing.

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