

Common Blue Screen Errors on Windows 10 [Compatibility Mode]

One of the worst things you can experience while using your computer is a BSOD or Blue Screen of Death error. If this happens, your system will abruptly shut down without giving you any chance to save your progress.

BSOD errors are also the hardest to fix since you don't know when they will occur. Some blue screen errors also happen as soon as Windows starts, so you won't have any chance to check your drivers, settings, and system files.

Picture 1 of Common Blue Screen Errors on Windows 10 [Compatibility Mode]

However, this doesn't mean that you don't have any hope of fixing your computer if it ran into a BSOD error.

Today, we'll list down all the common blue screen errors on Windows and what it means to help you diagnose your system faster.

Let's get started!

KERNEL_SECURITY_CHECK_FAILURE

'Kernel security check failure' is another blue screen of death error in Windows that commonly occurs when some of your data is corrupted or has failed a compatibility check in Windows.

A recent upgrade to Windows 10 can also be the culprit for this kernel error on your computer. The update may have caused one of your drivers to be incompatible with the newer version of Windows.

To fix this, ensure that all your drivers are updated.

DATA_BUS_ERROR

This BSOD error on Windows 10 usually occurs when your system encounters a memory failure. If this error shows up on your screen, it may indicate that your RAM needs to be reseated in the RAM slot or, worst, be replaced.

To troubleshoot this, you can perform a memory test on your system to check if your RAM stick needs to be replaced.

INACCESSIBLE_BOOT_DEVICE

When this blue screen error occurs on your system, it is usually a sign of a bad or corrupted driver. It's possible that Windows was not able to provide a proper driver for a newly installed device on your computer.

Third-party software may have also caused some drivers on your system to corrupt, triggering the INACCESSIBLE_BOOT_DEVICE error.

To fix this, make sure that all of your drivers are installed correctly and up to date.

NTFS_FILE_SYSTEM

The cause of this error on Windows is high CPU memory usage. There may be too many applications running on your computer, or a malicious program consumes all of your system's resources causing Windows to crash.

To fix this, find suspicious or unusual programs running on your computer using the Task Manager and uninstall them if possible.

OUT_OF_MEMORY

Here's another BSOD error that is related to bad or faulty memory. When this BSOD error occurs, your system will come to a halt, enter a blue screen, and shut down. This problem can be fixed most of the time by simply reseating your RAM sticks on the slot.

If that did not work, run a memory test on your system to check for possible hardware failure.

FAT_FILE_SYSTEM

This BSOD error on Windows 10 usually indicates a corrupted system file on your device. Sometimes, it can also mean that your hard drive is beginning to fail or software that you recently installed is causing your system to crash.

To fix this, run the System File Checker tool on the Command Prompt.

IRQL_NOT_LESS_OR_EQUAL

The IRQL_NOT_LESS_OR_EQUAL is probably one of the easiest BSOD to fix. This error message usually occurs when your device driver is outdated or incompatible with your system. It is also possible that you recently added an external device to your computer, and its drivers were not installed correctly.

You can address this issue by ensuring that your device drivers are updated and installed correctly.

UNEXPECTED_KERNEL_MODE_TRAP

This error message on Windows 10 usually occurs when your CPU generates a trap, and the kernel fails to catch it. In layman's terms, UNEXPECTED_KERNEL_MODE_TRAP occurs if you installed faulty or incompatible hardware to your system or the installed hardware fails.

Try removing any external device that you installed recently or ensure that all your drivers are up to date to address this problem.

MEMORY_MANAGEMENT

This error message usually occurs with the stop code '0x0000001A'. Memory management is a feature in Windows used to manage the primary memory process between your RAM and Hard Drive.

If the MEMORY_MANAGEMENT BSOD error occurs on your system, it means that the Memory Management service of Windows stopped working.

Most of the time, corrupted system files or outdated device drivers are the culprit for this error message on Windows.

Other BSOD Errors on Windows:

1. PAGE_FAULT_IN_NON_PAGED_AREA
2. BAD_POOL_CALLER
3. DEVICE_QUEUE_NOT_BUSY
4. APC_INDEX_MISMATCH
5. INVALID_AFFINITY_SET
6. INVALID_PROCESS_ATTACH_ATTEMPT
7. INVALID_SOFTWARE_INTERRUPT
8. IRQL_NOT_DISPATCH_LEVEL
9. MAXIMUM_WAIT_OBJECTS_EXCEEDED
10. NO_USER_MODE_CONTEXT
11. SPIN_LOCK_ALREADY_OWNED

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