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Thread: [\[MRT-X Academy\] Dealing With Blue Screen of Death \(BSOD\)](#)

Tha Sneak - February 17, 2025, 9:20 pm

? BSOD Troubleshooting Guide (Blue Screen of Death) ?

The Blue Screen of Death (BSOD) occurs when Windows encounters a critical error and must stop to prevent damage to the system. This guide will help you diagnose and fix BSOD errors.

? Step 1: Note the BSOD Error Code

When you get a BSOD, take note of the Stop Code and any related error messages. Common BSOD errors include:

- ? IRQL_NOT_LESS_OR_EQUAL
- ? PAGE_FAULT_IN_NONPAGED_AREA
- ? DRIVER_IRQL_NOT_LESS_OR_EQUAL
- ? KMODE_EXCEPTION_NOT_HANDLED
- ? CRITICAL_PROCESS_DIED

? Example:

Code STOP: 0x0000001A (MEMORY_MANAGEMENT)

If the BSOD disappears too quickly to read, enable Automatic Restart Off:

1 Boot into Safe Mode (press F8 on startup for older systems, or use Advanced Startup for Windows 10/11).

2 Go to Control Panel > System > Advanced System Settings > Startup and Recovery.

3 Uncheck "Automatically restart" under "System failure."

? Step 2: Analyze the Minidump Files

Windows creates a minidump file every time a BSOD occurs. To analyze it:

? Download BlueScreenView:

? [Download BlueScreenView](#)

1 Open BlueScreenView and check the most recent dump file.

2 Look at the Bug Check String and Caused by Driver columns.

For advanced users, use WinDbg to analyze dumps:

? [Download WinDbg \(Microsoft Debugging Tools\)](#)

? Open the dump file in WinDbg and use:

Code !analyze -v

? Step 3: Check for Hardware Issues

? Check RAM for Errors:

Run Windows Memory Diagnostic:

- 1 Press Win + R, type mdsched.exe, and hit Enter.
- 2 Choose "Restart now and check for problems".
- 3 Let the test complete and check for errors.

Or use MemTest86 for a thorough test:

? [Download MemTest86](#)

? Check Hard Drive for Errors:

Run CHKDSK to scan for bad sectors:

Code chkdsk /f /r

? If errors are found, consider replacing your hard drive.

? Monitor CPU & GPU Temperatures:

Overheating can cause BSODs. Use HWMonitor or Core Temp to check temperatures:

? [Download HWMonitor](#)

? Step 4: Update Drivers & Windows

Many BSODs are caused by outdated or corrupted drivers.

? Update Windows:

1 Go to Settings > Update & Security > Windows Update.

2 Install all available updates.

? Update Drivers:

1 Open Device Manager (Win + X -> Device Manager).

2 Look for any drivers with a yellow warning icon.

3 Right-click and select "Update driver".

? Update Graphics & Chipset Drivers (for gaming PCs):

? [NVIDIA GeForce Drivers](#)

? [AMD Radeon Drivers](#)

? [Intel Drivers](#)

? Step 5: Check for Malware & Corrupt System Files

Malware or system corruption can cause BSODs.

? Scan for Malware:

? Run Malwarebytes Anti-Malware:

? [Download Malwarebytes](#)

? Repair Corrupt System Files:

Run SFC (System File Checker):

Code sfc /scannow

Run DISM (Deployment Image Servicing and Management):

Code DISM /Online /Cleanup-Image /RestoreHealth

? Step 6: Perform a Clean Boot

To determine if third-party software is causing BSODs:

- 1 Press Win + R, type msconfig, and hit Enter.
- 2 Go to the Services tab, check "Hide all Microsoft services", and click Disable all.
- 3 Go to the Startup tab in Task Manager and disable startup programs.
- 4 Restart and check if the BSOD occurs.

? Step 7: Reset or Reinstall Windows (Last Resort)

If all else fails, consider reinstalling Windows.

? Reset Windows (Keeps Personal Files):

- 1 Go to Settings > Update & Security > Recovery.
- 2 Click "Reset this PC" and choose "Keep my files".

? Clean Install (Formats Everything):

- 1 Download the Windows Media Creation Tool:
? [Download Windows 10 ISO](#)
? [Download Windows 11 ISO](#)
- 2 Create a bootable USB and reinstall Windows.

? Have any questions? Feel free to ask! ?

Tha Sneak - March 1, 2025, 8:39 pm

Please do NOT reply to this thread in case information needs to be added or edited.

If you have a questions about the contents of the thread or other tutorials please go to this thread and post your question in this thread: <https://hackforums.net/showthread.php?tid=6293473>

Thanks,

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