

DISABLING VBS / HVCI IN WINDOWS 11 VMs (PERFORMANCE FIX)

Purpose:

This procedure disables Virtualization-Based Security (VBS) and Hypervisor-Protected Code Integrity (HVCI) on Windows 11 VMs. These features cause UI lag, typing lag, Task Manager delays, and general sluggishness inside virtual machines.

This method is safe for:

- Windows 11 VMs
- TPM 2.0
- Secure Boot
- Activation
- Domain membership
- Jobcard and other applications

It removes only the heavy kernel protections that degrade VM performance.

STEP 1 — Turn OFF Memory Integrity (Core Isolation)

1. Open Windows Security
2. Select "Device Security"
3. Click "Core Isolation Details"
4. Turn "Memory Integrity" OFF
5. Close the window
6. Reboot when convenient

This disables HVCI, the main source of UI and input lag.

STEP 2 — Disable VBS via Group Policy

1. Press Windows Key + R
2. Type: gpedit.msc
3. Navigate to: Computer Configuration → Administrative Templates → System → Device Guard
4. Open "Turn On Virtualization Based Security"
5. Set it to: Disabled
6. Apply and close

This prevents VBS from re-enabling after updates.

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STEP 3 — Disable VBS via Registry (failsafe)

1. Press Windows Key + R
2. Type: regedit
3. Navigate to: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\DeviceGuard
4. Set or create the following DWORD values: EnableVirtualizationBasedSecurity = 0
RequirePlatformSecurityFeatures = 0
5. Navigate to: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa
6. Set: LsaCfgFlags = 0

Close Registry Editor.

STEP 4 — Reboot the VM

Reboot the VM to apply all changes.

STEP 5 — Confirm VBS is disabled

1. Press Windows Key
2. Type: msinfo32
3. Check the line: "Virtualization-based Security"

Expected result: Virtualization-based Security: Not enabled

EXPECTED RESULTS AFTER DISABLING VBS/HVCI

- Instant console login
- Task Manager opens immediately
- No typing lag
- No filtering/search lag
- No UI stutters
- Jobcard becomes highly responsive
- VM performance matches physical hardware

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