How to fix KERNEL SECURITY CHECK ERROR in Windows

Methods to fix KERNEL SECURITY CHECK ERROR errors can be applied to Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 and Windows 10.

Troubleshooting methods for KernEL SECURITY CHECK ERROR can be applied to Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 and Windows 10.

Instructions for troubleshooting KERNEL SECURITY CHECK ERROR error

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Find out about the KERNEL SECURITY CHECK ERROR error

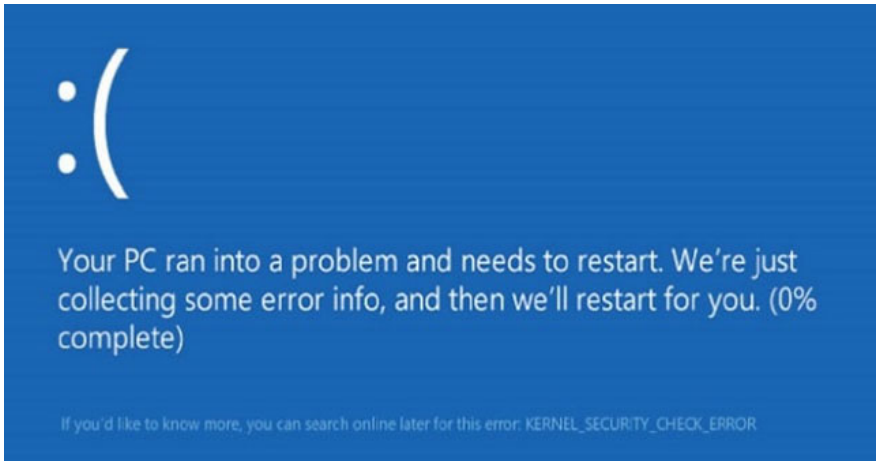
The following information is aggregated based on reports from many engineers, developers and technicians.

Description and identification signs

The following error messages, warnings and signs are related to this error.

Errors are often triggered when the kernel detects data errors and in most cases this error can be triggered by a USB-related problem or a corrupted driver or device.

On Windows 8, Windows 8.1 and Windows 10 systems, the error screen looks like this:



The cause of the error

The most common cause for this error is a corrupted or missing system file or hardware driver. This may occur due to a read / write drive or virus attack error. If that is the case you are experiencing, scan the system files for errors and recover if needed.

Fix KERNEL SECURITY CHECK ERROR error on Windows

Method 1: Check the error log with Event Viewer

Using the Event Viewer tool, you can troubleshoot and identify the reason why this error occurred.

To access Event Viewer, follow these steps:

1. Click **Start.**

2. Enter **Administrative Tools** in the search box.

3. Select **Administrative Tools** from the results list.

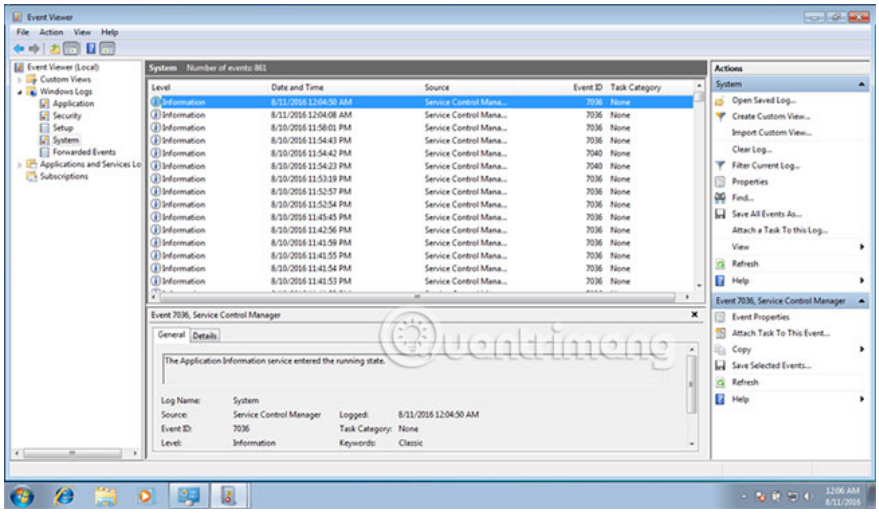
4. Select **Computer Management.**

5. Expand **Event Viewer** from the right side.

6. Expand **Windows logs.**

7. Select **System.**

8. Check any error messages that may help determine the device or driver that has enabled this error. If you can identify a device or driver from the error list, disable that device or driver and restart the computer to check if the error appears again.



Method 2: Run Driver Verifier

The Driver Verifier utility can check all installed drivers and help identify corrupted files and drivers. If the KERNEL SECURITY CHECK ERROR error is caused by a broken driver, the Driver Verifier tool can determine the driver with the problem.

To access Driver Verifier, follow these steps:

1. Start Windows.

2. Click **Start.**

3. Enter **cmd** in the search box to open the **Command Prompt.**

4. Right-click the **Command Prompt** from the search results list.

5. select **Run as Administrator** .

6. Enter the **verifier** in **Command Prompt.**

7. Press the **Enter** key **.**

8. Select the **Create standard settings checkbox** and click **Next.**

9. Select **Automatically select all drivers installed on this computer** .

10. Click **Finish.**

To check for specific drivers, follow these steps:

1. Start Windows.

2. Click **Start.**

3. Enter the **verifier** in the search box.

4. Select **Create custom settings.**

5. Click **Next.**

6. Select everything from **Select individual settings from the full list** . If you are running Windows 8 / 8.1, uncheck **DDI compliance checking and randomized low resource simulation** .

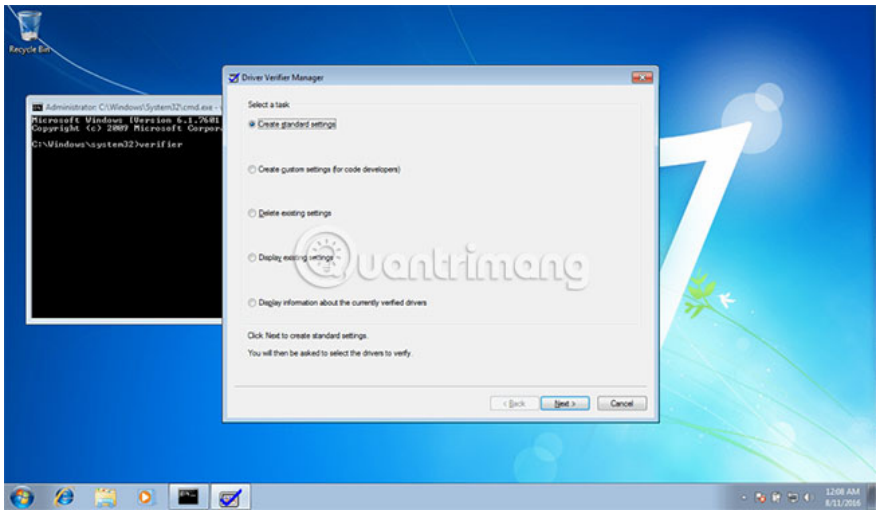
7. Select **Select driver names from a list** .

8. Click **Next.**

9. From the new list, select all unlisted drivers not provided by Microsoft.

10. Click **Finish.**

The Driver Verifier tool will now run in the background and save any error logs if the KERNEL SECURITY CHECK ERROR error reappears. If an error occurs, open the log to troubleshoot the driver.



Method 3: Run sfc

On Windows Vista and Windows 7, you can use the built-in Windows SFC tool (System file checker) to automatically scan a system file on your computer and fix them if needed.

Here are the steps to run SFC:

1. Boot from the Windows installation disc.

2. Click **Repair your computer** after selecting the appropriate language, time, and keyboard input.

3. Select the Windows installation drive, usually **C:** and click **Next.**

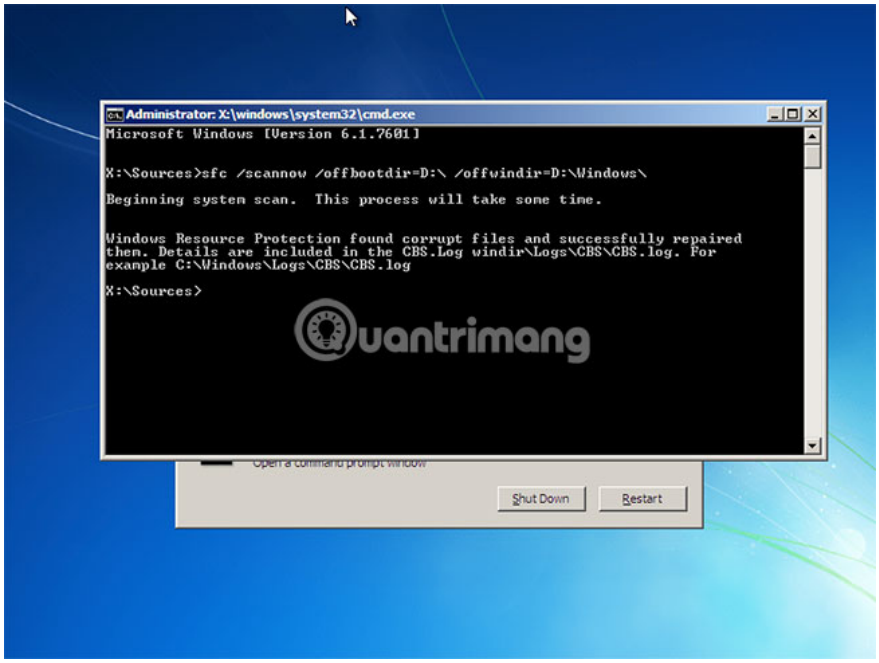
4. Select **Command Prompt** when the **System Recovery Options** box appears.

5. Enter the following command and press **Enter:**

```
sfc /scannow /offbootdir=D: /offwindir=D:Windows
```

Replace **D:** with the driver character where Windows is installed and **D: Windows** with the Windows folder location.

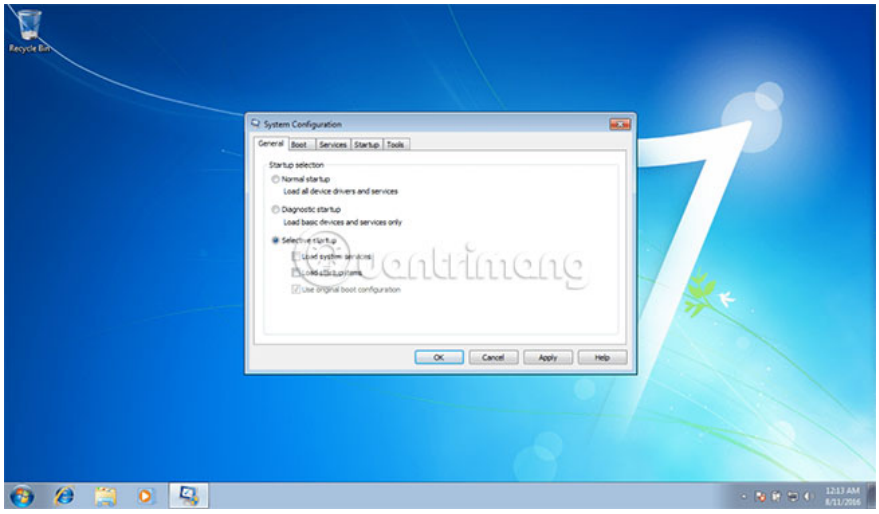
The following is an example of the result after the sfc.exe scan process is complete and the missing files are successfully restored:



Method 4: Clean boot

Clean boot Windows will allow to fix the KERNEL SECURITY CHECK ERROR error, which appears due to a third-party device or driver that you have recently installed.

To clean up the Windows XP, Vista or 7 boot system, refer to the article: How to perform Clean Boot on Windows 10/8/7 to know how to perform the details.



Method 5: Install all pending updates

Ensure the Automatic Updates option is enabled and you have installed the latest updates for your system.

Follow these steps:

1. Windows Vista or Windows 7 users can enter **'update'** in the search box to open **Windows Updates.** Windows 8 users can open **Charm Bar** by pressing **Windows + C** key, then go to **Settings> Change PC Settings** .

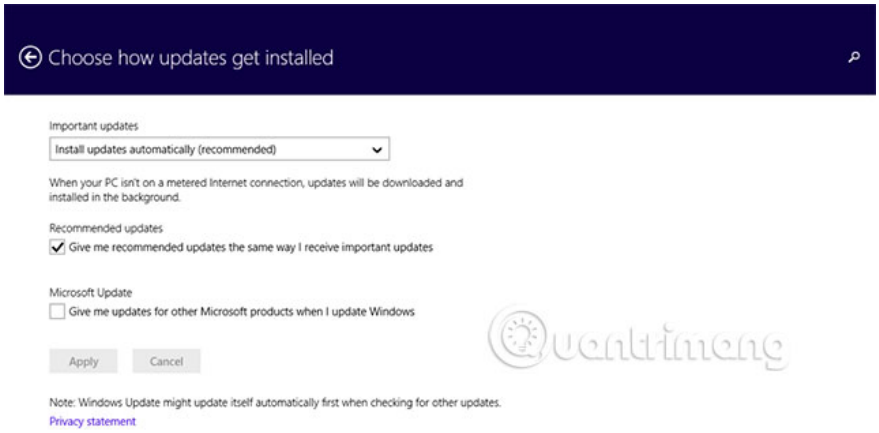
2. Click **Update and Recovery** .

3. Click **Choose how updates updates get installed** .

4. Select **Install updates automatically** in the **Important updates** section **.**

5. Click the **Give me recommended** check boxes for **updates of the same way I receive important updates** in **Recommended updates** section **.**

6. Click **OK.**



Wishing you a successful fix!

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