Use the SFC command to fix Windows 10 file system errors

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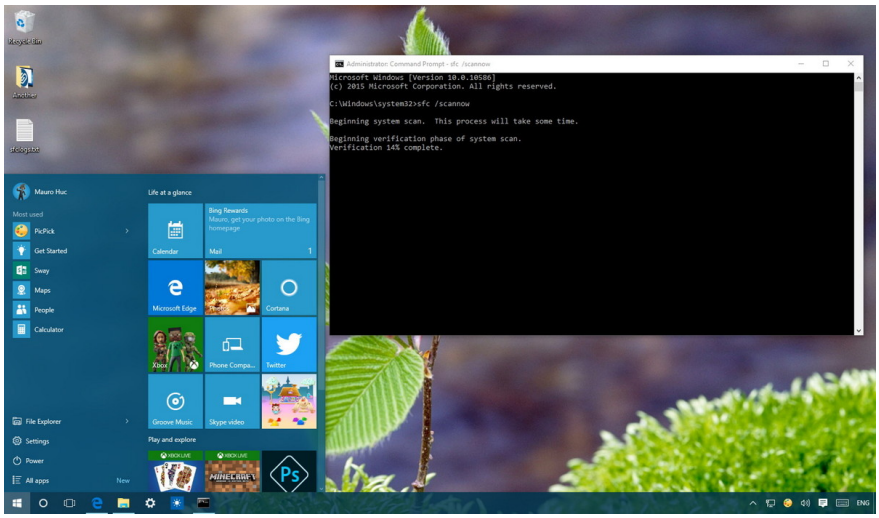
Although Windows 10 protects the necessary system files for your computer to function properly, application files, drivers and even Windows Update are quite good. However, in some cases an error may still occur.

Like previous Windows versions, Windows 10 also has a built-in System File Checker (SFC). This utility will scan, verify, and repair any corrupted files on your system.

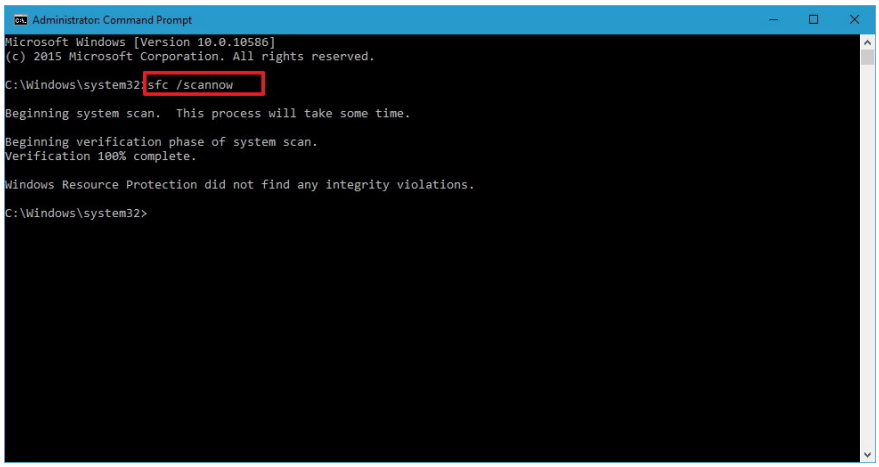


1. Scan and fix system files on Windows 10

1. Press **Windows + X** key combination to open the Power User Menu and select **Command Prompt (Admin).** The reason is because you have to run the SFC command under Admin.

2. On the Command Prompt window, enter the command below and press Enter:

sfc / scannow



3. After the scan is complete, on the screen you will see one of the following messages:

• **Windows Resource Protection không tìm th?y s? s? s? s? s? x? lý** nào: There are no missing or corrupted files on your system.

• **Windows Resource Protection could not perform the requested operation** : If this message appears, it will cause an error during the scan and request offline scanning.

• **C?nh báo c? s? d? li?u tìm th?y các t?p tin b? h?ng, và ?ã ???c t?o l?i Details are included in the CBS.Log% WinDir% LogsCBSCBS.log** : You will receive this message if SFC can fix the problem you have. You can now move or view detailed information.

• **Windows Resource Protection tìm th?y t?p tin b? h?ng, không th? s?a ??i m?t s? thêm:** In this case you have to fix the corrupted files manually.

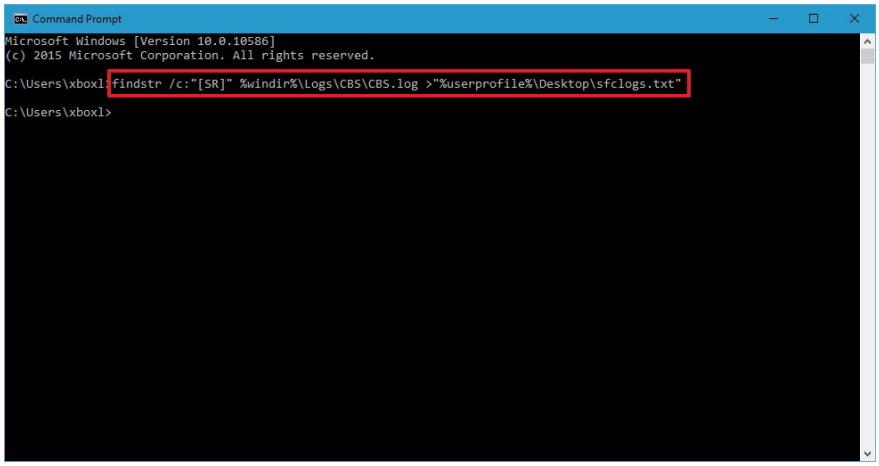
2. View the details of the SFC scanning process

To view detailed information about a System File Checker stored on a CBS.Log file, you must copy a readable copy on the Desktop:

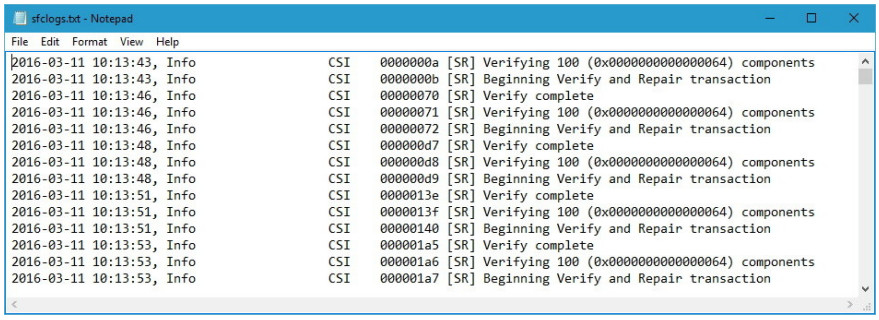
1. Press **Windows + X** key combination to open the Power User Menu and select **Command Prompt.**

2. On the Command Prompt window, enter the command below and press Enter:

findstr / c: "[SR]"% windir% LogsCBSCBS.log> "% userprofile% Desktopsfclogs.txt"



3. Open sfclogs.txt on the Desktop with Notepad. This file will contain all the details of the scanned file system and the file information cannot correct the error.



Note : The details of the SFC scan are only available when you scan in Windows, not available when you scan offline during the Command prompt.

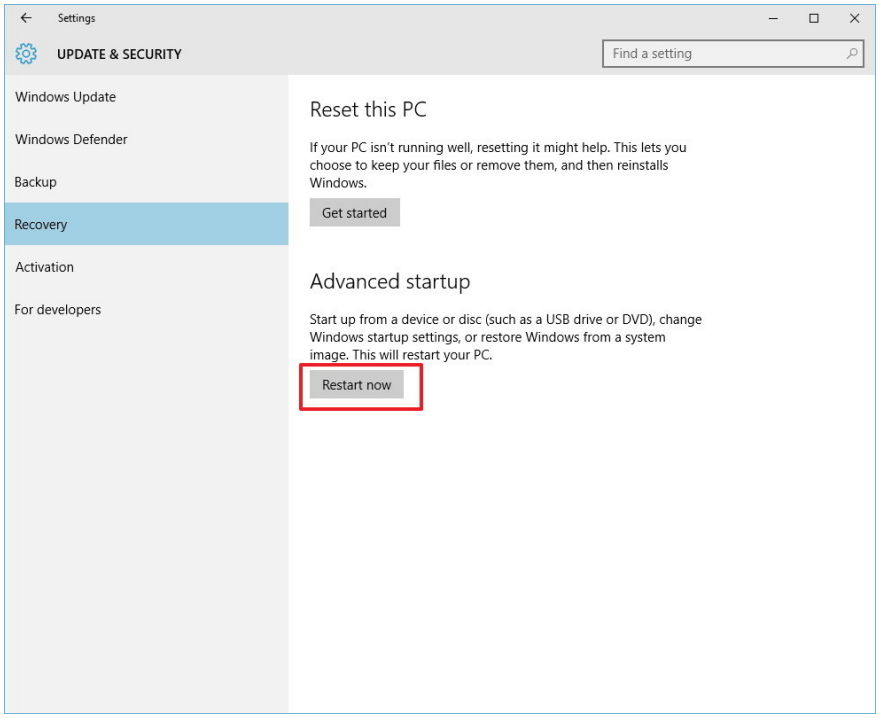
3. Scan and fix system files on Windows 10 Offline

1. Press the **Windows + I** key combination to open the Settings application.

2. On the Settings interface, click **Update & security.**

3. Next click on **Recovery.**

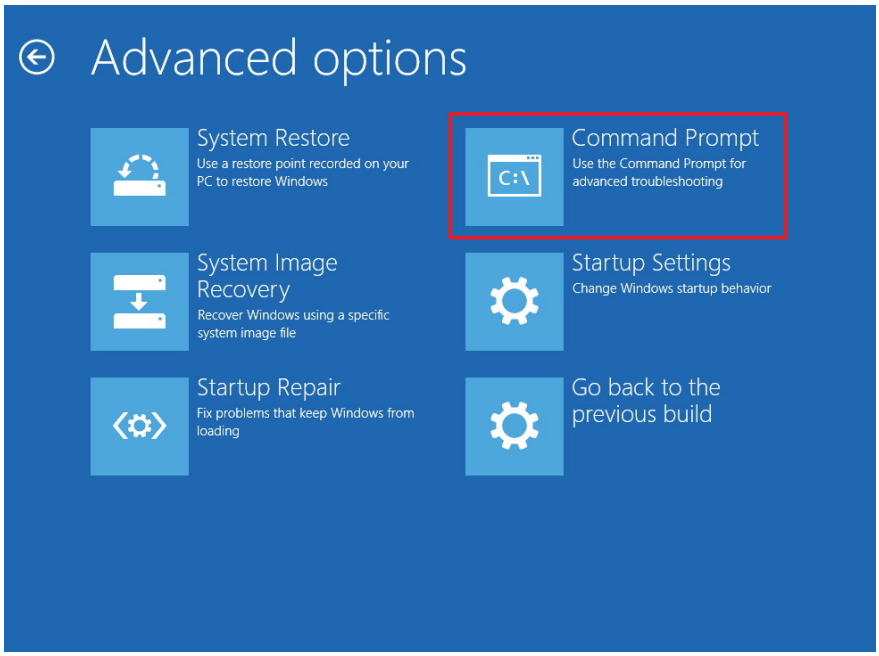
4. Under **Advanced startup,** click **Restart now.**



5. Click **Troubleshoot.**

6. Click **Advanced options.**

7. Click **Command Prompt** to boot your computer with just Command Prompt.

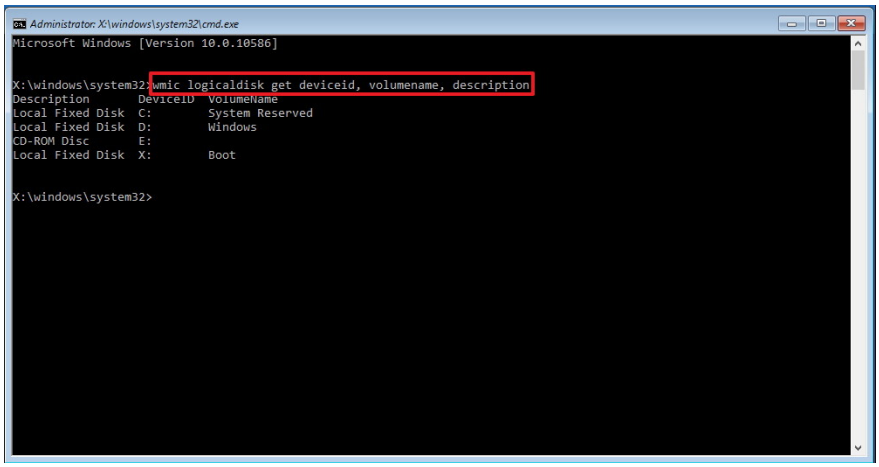


8. During reboot you will receive a message to enter the username (user) and password to continue.

9. Whenever you need to run SFC outside Windows, you must inform the utility of the exact location of the Windows installation files.

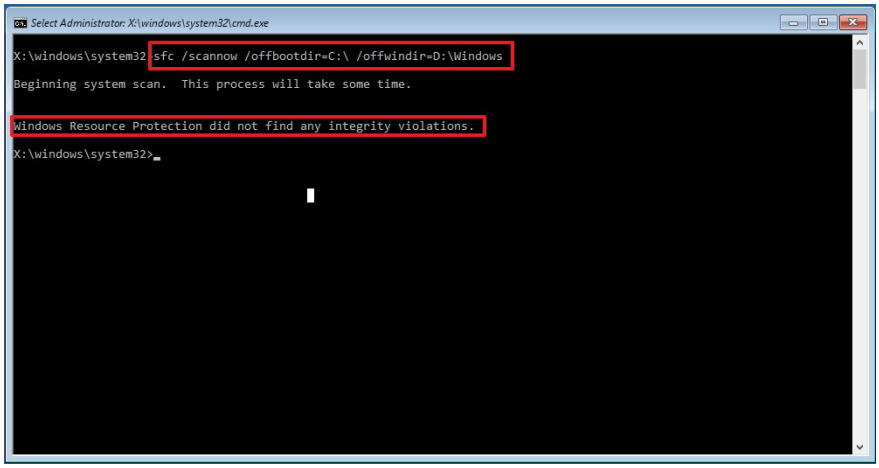
On the Command Prompt window, enter the following command line to let the utility understand the location of the partition Windows and System Reserved:

wmic logicaldisk get deviceid, volumename, description



10. Enter the following command into the Command Prompt window and press Enter:

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



Note:

In the treen command, use **/ offboodir** to convert the specific drive name of the System Reserved partition, in this case C and **/ offwindir** to move the specific location of Windows files, in this case D: Windows.

11. After the scan has finished, close the Command Prompt window.

12. Click **Continue** to exit and return to Windows 10.

4. Fix system files on Windows 10 manually

If the System File Checker cannot fix one or more of the errors, you will have to fix these files manually.

Open the file sfclogs.txt to see which files are corrupted, search for file locations and follow the steps below:

1. Press **Windows + X** key combination to open the Power User Menu, then select **Command Prompt (Admin).**

2. On the Command Prompt window, enter the command below and press Enter:

takeown / f C: Path-and-File-Name

Note:

Replace **C: Path-and-File-Name** with the path and file name that is corrupted. Such as C: WindowsSystem32appraiser.dll.

3. Allow access to corrupted files under Admin by entering the following command into Command Prompt and press Enter:

icacls C: Path-and-File-Name / Grant Administrators: F

4. Replace the files in the section asked by copying the command below and then pressing Enter:

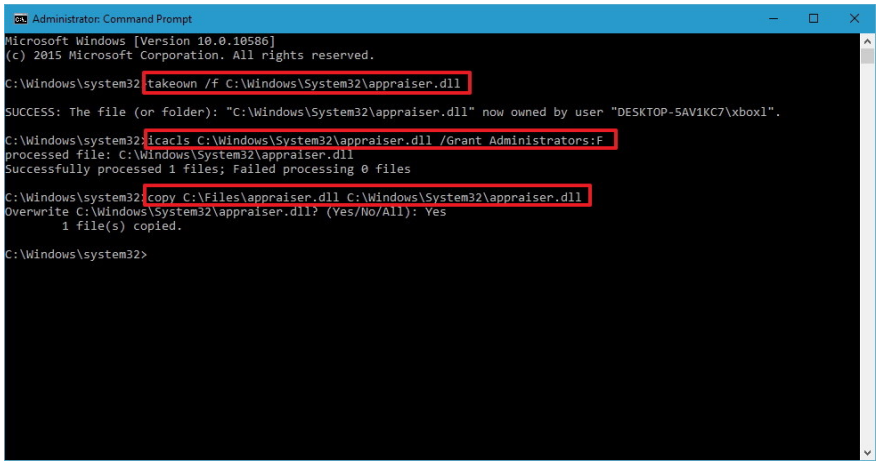
copy C: Path-SOURCE-and-File-Name C: Path-DESTINATION-and-File-Name

Note:

In the above command replace **C: Path-SOURCE-and-File-Name** with the path and good file name, and replace **C: Path-DESTINATION-and-File-Name** with the destination path and the name of the corrupted file.

Such as copy D: Filesappraiser.dll C: WindowsSystem32appraiser.dll.

5. Enter **Yes** and press **Enter** to confirm the override.



After replacing the files, you can enter the SFC / verifyonly command into the Command Prompt window and press Enter to check the integrity of all files and check which files are corrupted to fix.

Also, if you just want to fix some files, you can check the integrity of each file using the command:

sfc / VERIFYFILE = C: Path-and-File-Name

For example: sfc /VERIFYFILE=C:WindowsSystem32kernel32.dll.

Refer to some of the following articles:

1. Your Windows 10 computer is slow to connect to the Internet, this is a fix
1. Activate Credential Guard to enhance Windows 10 security
1. Clear the Windows 10 Update Cache to free up memory space

Good luck!

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