

How to fix your machine after Microsoft Updates cause blue screen crashes

For the full guide go here: <https://goo.gl/A3mPKK>

So Microsoft have done it again, released a batch of updates and our machines start to blue screen!

Problem Updates

From what we have experienced so far are that the following updates are the culprits and should be uninstalled where possible:

- **KB4015217**
- **KB4041676**
- **KB4041691**

Removing the Updates

If you still have access to Windows, open up an **elevated command prompt** and run these following commands in turn:

```
dism.exe /online /remove-package  
/package name:Package_for_RollupFix~31bf3856ad364e35~amd64~~14393.1715.1.10 /norestart
```

```
dism.exe /online /remove-package  
/package name:Package_for_RollupFix_Wrapper~31bf3856ad364e35~amd64~~14393.1770.1.6  
/norestart
```

```
dism.exe /online /remove-package  
/package name:Package_for_KB4014329~31bf3856ad364e35~amd64~~10.0.1.0 /norestart
```

Once these have been removed, reboot your server and it should go back into Windows.

Clearing Pending Updates

If this does not work for you, but you still have access to Windows, [Microsoft](#) advise putting the following script into a batch file and running it from an elevated command prompt:

```
@echo off  
  
REM Stop all update related services  
net stop usosvc  
net stop wuauerv  
net stop trustedinstaller  
  
REM Delete pending.xml if it exists  
takeown /f %windir%\winsxs\pending.xml >NUL 2>&1  
icacls %windir%\winsxs\pending.xml /grant Everyone:F >NUL 2>&1
```

```
del %windir%\winsxs\pending.xml >NUL 2>&1
```

REM Modify the components hive

```
reg unload HKLM\Components >NUL 2>&1
reg load HKLM\ComponentsHive %windir%\system32\config\COMPONENTS
reg delete /f HKLM\ComponentsHive /v PendingXmlIdentifier >NUL 2>&1
reg delete /f HKLM\ComponentsHive /v PoqexecFailure >NUL 2>&1
reg delete /f HKLM\ComponentsHive /v ExecutionState >NUL 2>&1
reg delete /f HKLM\ComponentsHive /v RepairTransactionPended >NUL 2>&1
reg delete /f HKLM\ComponentsHive /v AIFailureInformation >NUL 2>&1
reg delete /f HKLM\ComponentsHive\Installers\RegKeySDTable /v Install >NUL 2>&1
reg delete /f HKLM\ComponentsHive\Installers\RegKeySDTable /v Uninstall >NUL 2>&1
reg delete /f HKLM\ComponentsHive\Installers\RegKeySDTable /v Uninstall >NUL 2>&1
reg unload HKLM\ComponentsHive
```

REM Stop Poqexec from running

```
reg delete /f HKLM\Software\Microsoft\Windows\CurrentVersion\SideBySide\Configuration /v
DontRunPoqexeclnSmss >NUL 2>&1
reg delete /f HKLM\Software\Microsoft\Windows\CurrentVersion\SideBySide\Configuration /v
PoqexecCmdline >NUL 2>&1
reg delete /f "HKLM\System\CurrentControlSet\Control\Session Manager" /v SETUPEXECUTE >NUL
2>&1
REG ADD "HKLM\System\CurrentControlSet\Control\Session Manager" /v SETUPEXECUTE /t
REG_MULTI_SZ /d \0/f
```

dism /online /remove-package

```
/Package Name:Package_for_RollupFix_Wrapper~31bf3856ad364e35~amd64~~15063.674.1.8
/norestart >NUL 2>&1
```

dism /online /remove-package

```
/Package Name:Package_for_RollupFix_Wrapper~31bf3856ad364e35~x86~~15063.674.1.8
/norestart >NUL 2>&1
```

dism /online /remove-package

```
/Package Name:Package_for_RollupFix_Wrapper~31bf3856ad364e35~amd64~~14393.1770.1.6
/norestart >NUL 2>&1
```

dism /online /remove-package

```
/Package Name:Package_for_RollupFix_Wrapper~31bf3856ad364e35~x86~~14393.1770.1.6
/norestart >NUL 2>&1
```

Blue Screened Machines (BSOD)

What if your machine is already screwed and you are getting the blue screen? Well, you will need to get into the advanced options after your machine has blue screened. When it tries to boot up again you should get a message like this:

Automatic Repair

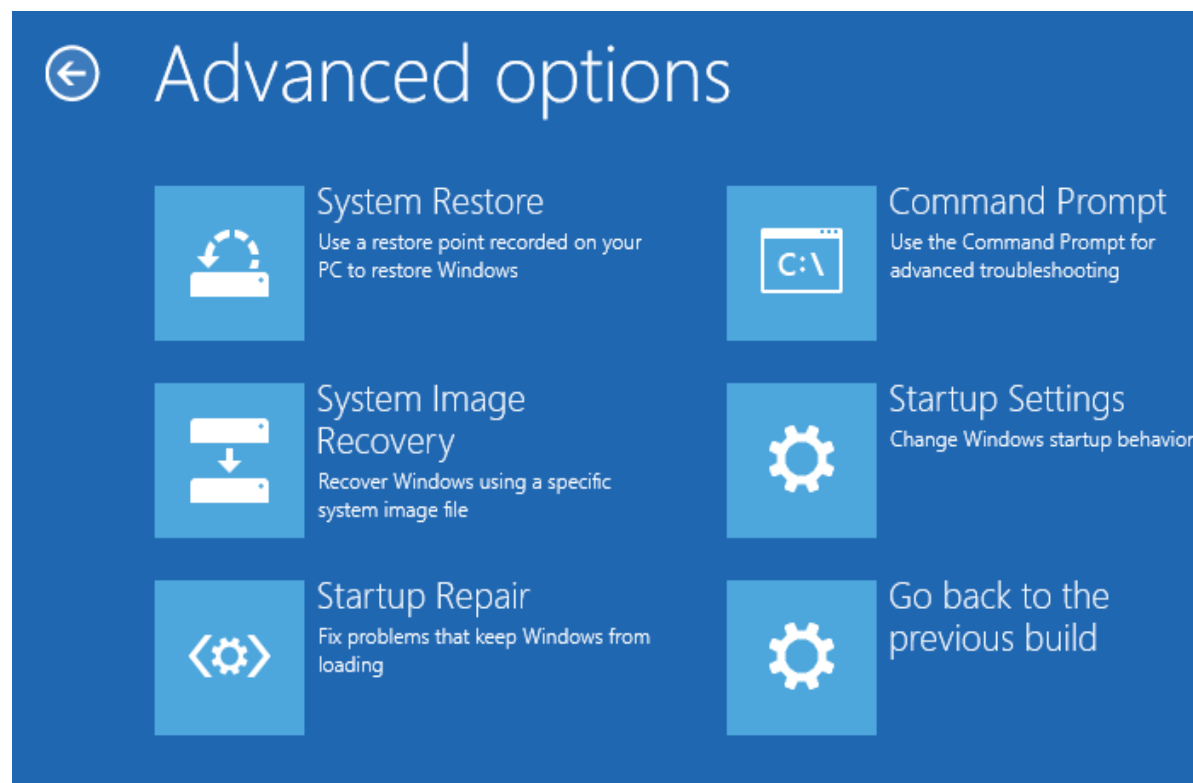
Your PC did not start correctly

Press "Restart" to restart your PC, which can sometimes fix the problem. You can also press "Advanced options" to try other options to repair your PC.

Restart

Advanced options

Click on the **Advanced options** button which will take you to the Advanced options screen:



Go ahead and click on the **Command Prompt**. Once the command prompt launches, run the following to load the software registry hive:

```
reg load hklm\temp c:\windows\system32\config\software
```

Run the following command to delete the **SessionsPending** registry key. If the registry value does not exist, proceed to the next step:

```
reg delete "HKLM\temp\Microsoft\Windows\CurrentVersion\Component Based Servicing\SessionsPending" /v Exclusive
```

Run the following to unload the registry:

```
reg unload HKLM\temp
```

Run the following command, which will list all pending updates:

```
Example: dism.exe /image:c:\ /Get-Packages
```

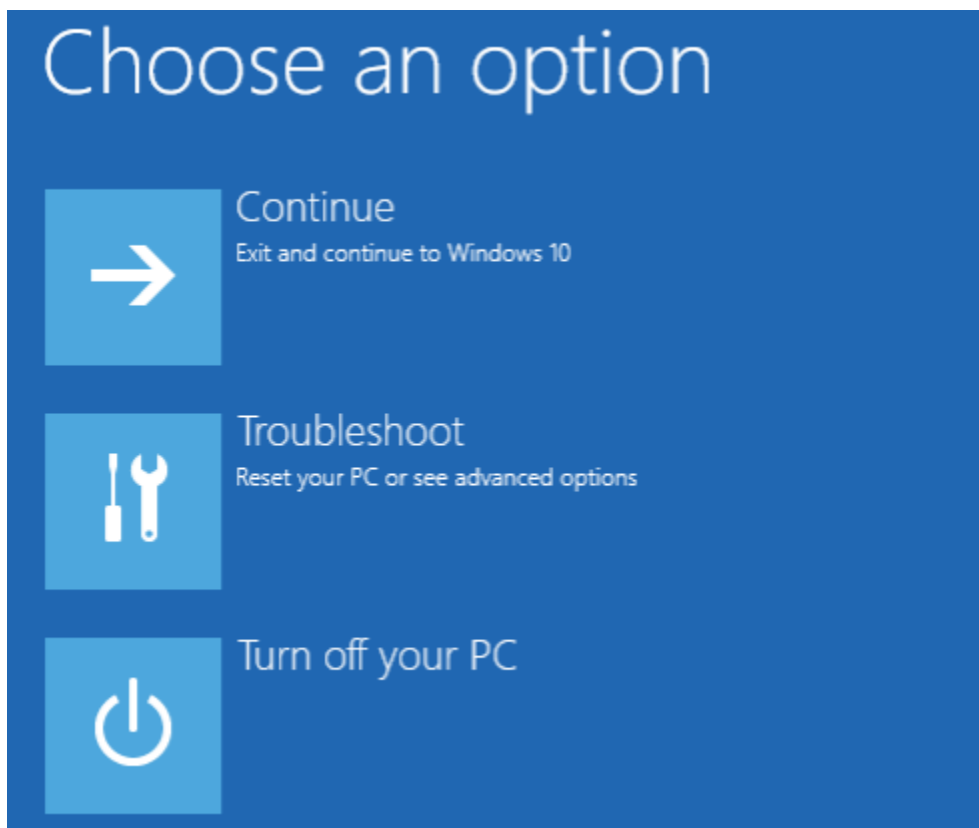
Run the following command for each package where **"State = Install Pending"**:

```
dism.exe /image:c:\ /remove-package /packagename:<package name >
```

Example:

```
dism.exe /image:c:\ /remove-package  
/package name:Package_for_RollupFix_Wrapper~31bf3856ad364e35~amd64~14393.1770.1.6
```

Close the Command Prompt and click **Continue** to exit the recovery environment.



Go ahead and reboot your machine and you should hopefully get yourself back into Windows.

Remember if you are in a corporate environment and using WSUS/SUP/SCCM, do not approve these updates until Microsoft have put their house in order!