

# Rebuild the Tokens.dat file

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When you troubleshoot Windows activation issues, you may have to rebuild the Tokens.dat file. This article describes in detail how to do this.

## Resolution

To rebuild the Tokens.dat file, follow these steps:

1. Open an elevated Command Prompt window: **For Windows 10**
  - a. Open the **Start** menu, and enter **cmd**.
  - b. In the search results, right-click **Command Prompt**, and then select **Run as administrator**.

### For Windows 8.1

- a. Swipe in from the right edge of the screen, and then tap **Search**. Or, if you are using a mouse, point to the lower-right corner of the screen, and then select **Search**.
- b. In the search box, enter **cmd**.
- c. Swipe across or right-click the displayed **Command Prompt** icon.
- d. Tap or click **Run as administrator**.

### For Windows 7

- a. Open the **Start** menu, and enter **cmd**.
- b. In the search results, right-click **cmd.exe**, and then select **Run as administrator**.

2. Enter the list of commands that is appropriate for your operating system.

For Windows 10, Windows Server 2016 and later versions of Windows, enter the following commands in sequence:

Windows Command Prompt

```
net stop sppsvc
cd %Systemdrive%\Windows\System32\spp\store\2.0\
ren tokens.dat tokens.bar
net start sppsvc
cscript.exe %windir%\system32\slmgr.vbs /rilc
```

For Windows 8.1, Windows Server 2012 and Windows Server 2012 R2, enter the following commands in sequence:

#### Windows Command Prompt

```
net stop sppsvc
cd %Systemdrive%\Windows\System32\spp\store\
ren tokens.dat tokens.bar
net start sppsvc
cscript.exe %windir%\system32\slmgr.vbs /rilc
```

For Windows 7, Windows Server 2008 and Windows Server 2008 R2, enter the following commands in sequence:

#### Windows Command Prompt

```
net stop sppsvc
cd
%Systemdrive%\Windows\ServiceProfiles\NetworkService\AppData\Roaming\Microsoft\SoftwareProtectionPlatform
ren tokens.dat tokens.bar
net start sppsvc
cscript.exe %windir%\system32\slmgr.vbs /rilc
```

3. Restart the computer.

## More information

After you rebuild the Tokens.dat file, you must reinstall your product key by using one of the following methods:

- At the same elevated prompt command, type the following command, and then press Enter:

#### Windows Command Prompt

```
cscript.exe %windir%\system32\slmgr.vbs /ipk <Product key>
```

#### Important

Do not use the **/upk** switch to uninstall a product key. To install a product key over an existing product key, use the **/ipk** switch.

- Right-click **My Computer**, select **Properties**, and then select **Change product key**.

For more information about KMS client setup keys, see [KMS client setup keys](#).

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