

What is the Compact OS feature on Windows 10?

The advantage of the Compact OS feature is that it is supported by UEFI and BIOS devices. Moreover, to maintain Footprint over time, you can replace or delete Windows version files as needed.

Windows 10 operating system has many new improvements significantly compared to other operating systems. Especially on Windows 10, it also integrates more new features such as the feature of virtual assistant Cortana, the Start Menu is easier to see, and some other important features, including the Compact OS feature.

To better understand the Compact OS feature and how to enable the Compact OS feature on Windows 10, please refer to the following article of Network Administration.



```
Administrator: Command Prompt

C:\Windows\system32>Compact.exe /CompactOS:always
Completed Compressing OS binaries.

41615 files within 19300 directories were compressed.
4,985,254,862 total bytes of data are stored in 3,027,023,980 bytes.
The compression ratio is 1.6 to 1.
```

1. What is the Compact OS feature (Compact OS)?

Microsoft started implementing the Footprint reduction process (Footprint is the number of disk space Windows used for the operating system) operating system on Windows 8 using WIMBoot (Windows Image Boot).

WIMBoot works quite simply, Windows compresses all operating system files into a single file called install.wim and unzip it when needed.

However, WIMBoot has difficulty recovering images. Also WIMBoot has been proven less feasible on Windows versions.

On Windows 10, Microsoft has improved this existing feature and absolutely no need to restore any images.

Since there is no recovery image, in case you reset or refresh (refresh) the system, Windows will recreate itself by using runtime system files (located in / windows / winsxs / directory).

In addition, Microsoft introduced a new or called new feature: Compact OS (OS compression feature) that can store and compress all files in Windows 10.

The advantage of the Compact OS feature is that it is supported by UEFI and BIOS devices. Moreover, to maintain Footprint over time, you can replace or delete Windows version files as needed.

Both WIMBoot and Compact OS can significantly reduce Footprint (Footprint is the number of disk space Windows used for the operating system) of the operating system. Installing WIMBoot and Compact OS is quite easy and does not take up disk space.

However, unlike WIMBoot, you can enable or disable the Compact OS feature in airplane mode to be easy to configure and deploy.

Note : The Compact OS feature is disabled by default. If your disk space is low, you can enable the Compact OS feature to free up more disk space.

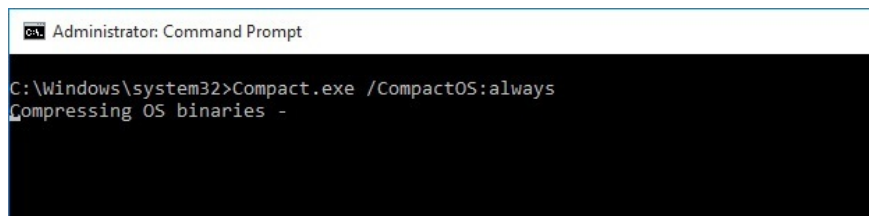
2. How to enable Compact OS on Windows 10?

Enabling the Compact OS feature on Windows 10 is quite simple and not too complicated as you think. To enable the Compact OS feature on Windows 10, follow the steps below:

First press **Win + X** and select **Command Prompt (Admin)** to open the Command Prompt under Admin.

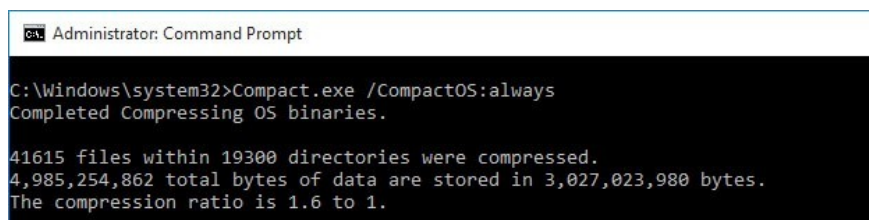
On the Command Prompt window, copy the command below and paste it and press Enter to start the compression process:

Compact.exe / CompactOS: always



```
Administrator: Command Prompt
C:\Windows\system32>Compact.exe /CompactOS:always
Compressing OS binaries -
```

After the operating system is compressed, it will tell you how much space is left after you save it by enabling the Compact OS feature on Windows 10.



```
Administrator: Command Prompt
C:\Windows\system32>Compact.exe /CompactOS:always
Completed Compressing OS binaries.
41615 files within 19300 directories were compressed.
4,985,254,862 total bytes of data are stored in 3,027,023,980 bytes.
The compression ratio is 1.6 to 1.
```

If you want to know if you have enabled or disabled the Compact OS feature, you can copy and paste the command line below into the Command Prompt window:

Compact.exe / CompactOS: query

```
Administrator: Command Prompt
C:\Windows\system32>Compact.exe /CompactOS:query
The system is in the Compact state. It will remain in this state unless an
administrator changes it.

C:\Windows\system32>
```

If you want to disable the Compact OS feature, just copy and paste the command line below into the Command Prompt window:

Compact.exe / CompactOS: never

```
Administrator: Command Prompt
C:\Windows\system32>Compact.exe /CompactOS:query
The system is in the Compact state. It will remain in this state unless an
administrator changes it.

C:\Windows\system32>Compact.exe /CompactOS:never
Completed uncompressing OS binaries.

25267 files within 19298 directories were uncompressed.

C:\Windows\system32>
```

You can refer to some of the following articles:

- 1. Start Windows 10 "as fast as the wind" with Fast Startup**
- 2. Tips for customizing Command Prompt colors on Windows**
- 3. Trick to launch Command Prompt easily on Windows 10**

I wish you a happy new day!

You finished reading the article "**What is the Compact OS feature on Windows 10?**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.