

# What New Features are in Windows 10?

An Overview (beginning with the installation process)  
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# Table of Contents

|   |         |    |
|---|---------|----|
| How to tell which Feature Update you have               | Slide # | 3  |
| List of Windows 10 Feature Update Releases              |         | 4  |
| Installation Process for the Fall Creator's Update      |         | 5  |
| Methods for Manual Installation instead of Automatic    |         | 7  |
| Coordinating Time of Installation Convenient for You    |         | 9  |
| What's new in the Fall Creator's Update?                |         | 13 |
| Features coming in the next Feature Update (Redstone 4) |         | 18 |
| Footnotes   |         | 24 |
| References, and Pointers to Further Reading             |         | 26 |

(Slide # appears at the lower right corner in each slide)

# How do I tell which version of Windows I have?

Feature Updates are targeted to occur every six months, identified by a marketing name, and a build number that is YYMM date of the release.

Use any of three ways to see the Build Number:

- 1) Click on "Start" and type in "winver" or
- 2) Press the "Windows" key and letter I simultaneously, or
- 3) Press the "Windows" key and letter R simultaneously, to bring up the "Run" dialog box, and type in "winver".

Build numbers vs. marketing names are on the next slide:

# Windows 10 Feature Updates and Release Dates

|   |          |
|---|----------|
| Build 1507 = “Threshold 1” - the initial Windows 10 release.            | 7/29/15  |
| Build 1511 = November Update (also known as Threshold 2)                | 11/12/15 |
| Build 1607 = Anniversary Update = (codename Redstone 1)                 | 8/16/16  |
| Build 1703 = Creator's Update = (codename Redstone 2)                   | 4/05/17  |
| Build 1709 = Fall Creator's Update (codename Redstone 3)                | 10/17/17 |
| Build 1803 = ? ? (codename Redstone 4)                                  | April ?  |
| Build 1809, (Redstone 5) was just released to Insiders in February '18. |          |

Each of these releases began a semi-annual channel, in which the full rollout occurs over the succeeding 18 months (or slightly longer in actual fact), supporting the commercial adopters.<sup>(a)</sup>

## Installation process for Windows 10 Feature Updates

Beginning on the date of release to the public, Microsoft starts pushing out each Feature Update in a time-staggered fashion, and installs it automatically for you when your turn comes up.

- Microsoft selects a user's p.c. based upon geography, type of machine (maybe other criteria).
- Microsoft uses the Windows Update routine in your p.c. provided two conditions are met:
  - a) Windows Update is set to Automatic<sup>(\*)</sup>, and
  - b) The Fall Creator's Update will be installed only if you already have either the Creator's Update or Anniversary Update.

(\*) Windows 10 Home Edition always has Automatic Updates enabled; Pro, Ultimate, and Enterprise offer some choices<sup>(b)</sup>

The Fall Creator's Update has been in distribution long enough now you probably should have received it.

Refer back to Slide 3 to find out if you have it (or does your p.c.satisfy the two conditions a) and b) on Slide 5 for automatic installation?)

The next link is a tutorial how to check your Windows Update setting:

<https://www.techadvisor.co.uk/how-to/windows/how-use-automatic-updates-in-windows-10-3648328/>

This can be summarized as

- 1) Click on the “Start” button (4-pane symbol at the extreme lower left on the Windows 10 Desktop),
- 2) Select “Settings”
- 3) Find and click on “Update and Security” in the new window,
- 4) Click on “Advanced Options” in the next window that opens,
- 5) In the “Advanced Options” window “Choose how updates are installed” should be set to “Automatic.”

If you don't have the Fall Creator's Update, you can wait for it, or install it manually using the Windows Update Assistant, or alternatively by downloading an ISO file and installing that yourself. Both methods are covered in the article at this link:

<https://www.techradar.com/how-to/how-to-download-and-install-the-windows-10-fall-creators-update-right-now>

The Update Assistant is a Microsoft Wizard, that will perform the installation, saving Windows 10 settings and customization you've made. You obtain it at

<https://www.microsoft.com/en-us/software-download/windows10>

Alternatively, the ISO file method will provide a fresh install, giving you the Fall Creator's Update with default settings.

(Installation of Windows Feature Updates, continued)

If you're running a version of Windows 10 older than 1607 (the Anniversary Update) you'll need to install the Fall Creators Update using the Microsoft Update Assistant.



Installation of Windows 10 Feature Updates requires a Restart of your p.c.

This means you need to save any application files you have open, and close applications programs before proceeding with installation of the Fall Creator's Update.

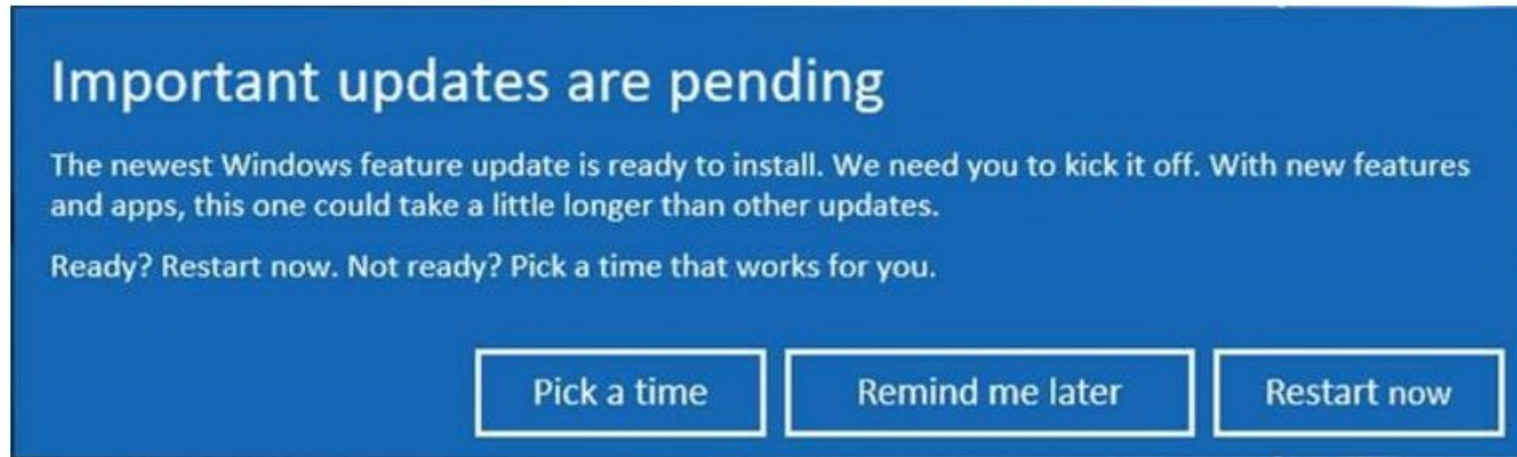
Microsoft gives you warning of this by pop-up dialog boxes, and tries very hard to coordinate installation timing so as not to interrupt your working activity when inconvenient for you.  
(see an example of these dialogs beginning on the next slide)

After the Fall Creator's Update is installed you may have to update other software applications (on your p.c. or on your mobile devices as well) to be compatible with the Fall Creator's Update.

## Microsoft's Protocol for Automatic Installation:

(case of installation by built-in Windows Update software)

- 1) A reminder window appears that the Feature Update is ready to install.
- 2) You can schedule the right time: just pick a time that works best for you or set a new reminder for tomorrow.



## Protocol for Automatic Installation, continued:

3) If you choose not to update your device when notified, your system will try to identify a time outside of your device's active hours to install the update when you're not actively using your machine.

4) If you've already scheduled an installation date and time, the update will install automatically at your specified time.

4a) A final reminder alerts you 15 minutes before your device is scheduled to reboot, so you can properly save and close out of what you are doing.

# Dialog offering additional wait time to install:



5) If you're still not ready to take a break at that time, you can choose to restart later.<sup>(b)</sup>

## What's new in the Fall Creator's Update? (Redstone 3)

Adds Windows Mixed Reality – more immersive experiences with websites, 2D games, Skype; for demos, see

<https://www.microsoft.com/en-us/windows/windows-mixed-reality>

Facilitates easy interactions with people you identify as important

- Pin your top people to the taskbar for one-click access to those who matter most.
- Sharing is as easy as dragging a file directly onto a pinned contact on the taskbar.

Adds Voice-activated Power Commands.

- Cortana can be active even when the screen is locked,
- Can now ask Cortana to shut down, restart, or sleep your PC.

## [What's New in the Fall Creator's Update, continued]

### Edge Browser Enhancements:

- Can use Cortana voice commands to find more websites like the current one, or describe what you want.
- Pin favorite websites to the taskbar.
- Full screen mode (press f11, and f11 again to back out).';

### Security Improvements:

- Added protection against ransomware: Windows Defender Exploit Guard helps protect files from unauthorized changes
- Windows Defender Antivirus now has default enhanced coverage that is delivered instantly via the cloud protection service.

## [What's New in the Fall Creator's Update, continued]

Features enabling an Ecosystem of your devices,

- Linking your p.c. to mobile phones, laptops, and tablets
- Android Phone linkage in addition to iPhone linkage introduced earlier.
- Launcher for Android offers a tailored feed of your important events, top news, recent activities, favorite people and most frequently used apps,
- or forwarding websites or files from Android to p.c.
- Launcher has been designed to make it easy for you to continue what you're working on – photos, documents, and more—seamlessly on your PC.

[What's new in the Fall Creator's Update, continued]

Easy file management, including One Drive Cloud files:

- Access files located on One Drive just like any other file on your PC (via File Explorer).
- Online-only files download on demand with a double-click;<sup>(c)</sup>
- You can make them online only again to free up space.
- Or you can select files to be always available offline.
- Easily tell which files are available online only or offline.

Game Mode offers X-box linking (multiplayer games)

3-D mode in MS Office applications (Word, Powerpoint, etc)



## [What's new in the Fall Creator's Update, continued]

Improvements in Privacy: (some of these appeared before Build 1709)

- more controls to the operating system under Windows Settings > Privacy settings;
- Privacy Dashboard, in your Microsoft Account (online)  
<https://account.microsoft.com/>

To summarize, try the built-in Windows 10 Tips:

Type “Tips” in the search box on the taskbar to find the app, or look for it in the Start menu.

## What new features are coming in Redstone 4? (Spring of 2018)

### Further Transparency on Privacy - Windows Diagnostics Data Viewer

- lets you see data that is being sent to Microsoft as part of the Basic or Full Telemetry settings
- Standard Users will be able to select their own level of telemetry (Basic or Full) even if the system admin has picked a different default.
- still no option to completely turn off telemetry.

These new options are located at Windows Settings > Privacy > Diagnostics & feedback.

### New settings to control access to Documents, Pictures, and Videos:

- turn off all access by other apps, or
- control access to those files on an app by app basis.

[What new features are coming in Redstone 4, continued]

Timeline feature gives status of your Ecosystem of Devices

- provides you with a shared list of activities across any Windows 10 devices that you use each day.
- displayed in a beefed up Task View option;
- lists browsing and app activities for all of your connected Windows 10 devices.
- This data is tied to your browsing and activity history
- can be turned on or off, and
- you can control what content is used in this feature through the Microsoft Privacy Dashboard on the Activity History page.

[What new features are coming in Redstone 4, continued]

Quiet Hours (the name may change to “Focus Assist.”

= control of social media connections:

- options for setting this to Off, Priority, or Alarms only
- plus some automatic rules that turn alerts on or off during particular scenarios:
  - a specified time frame,
  - when duplicating your display, playing a game,
  - or when you are at home.

These settings are accessed under Windows Settings > System > Focus assist.

[What new features are coming in Redstone 4, continued]

Disk Cleanup tool can be set to run either manually or as part of automatic Windows 10 maintenance.

Improvements to the Edge Browser:

- Autofill of web forms using cards so data can be saved and re-used.
- Enhanced reading experience for EPUB, PDF, and Edge's Reading View mode.
- New Grammar Tools for EPUB books and Reading View.
- Full Screen reading mode.
- Autofill passwords and extensions are now accessible when using the InPrivate Mode.
- Edge Developer Tools can now be docked vertically in the browser window instead of only below the page content.

[What new features are coming in Redstone 4, continued]

“Near Share” uses Bluetooth to communicate between devices

- When devices are close to each other, the sharing option appears on the Share Dialog that is part of Windows 10.
- Use it to transfer content such as documents, images, and even website addresses.

Changes to Cortana, the voice-activated assistant

- Cortana’s Notebook has been revamped and laid out to make information easier to access. (contains all of the information you have provided or given her permission to access over the time you have used the personal digital assistant)
- Cortana now has a complete set of commands to interface with Spotify Music (the defacto replacement for Groove Music Pass when it expired at the end of 2017).

[What new features are coming in Redstone 4, continued]

“My People” feature for the taskbar – improvements:

- drag and drop allowed to arrange contacts on the Taskbar;
- the number of contacts you can place on the Taskbar has been expanded from three to ten.

## Footnotes:

(a) Actually, each of these product releases had Windows Insider Preview Builds first, in which volunteer users “Beta test” the build and give feedback to Microsoft. (You can sign up to be a Windows Insider if you wish.)

(b) If you have Windows 10 Pro, a “Pause Updates” setting (up to 35 days delay) is available beginning with the Creator's Update, but is somewhat hidden:

<https://betanews.com/2017/03/01/hidden-update-settings-windows-10-creators-update/>

The intend is to give you a way to hold off an update if news surfaces that the update is bad – wait until Microsoft has time to fix and reissue it. Feature Updates can be deferred for up to a year.



## Footnotes, continued, for further reading

(c) Microsoft's explanation of One Drive Files On Demand:

<https://support.office.com/en-us/article/learn-about-onedrive-files-on-demand-0e6860d3-d9f3-4971-b321-7092438fb38e?ui=en-US&rs=en-US&ad=US>.

## References, and further reading/viewing:

- 1) Richard Hay. What's Coming Up With Windows 10? . . .  
(article in Windows Secrets Newsletter, January 30, 2018;  
unfortunately, requires a subscription membership to read all)
- 2) Microsoft site illustrating the Fall Creator's Update Features:  
<https://blogs.windows.com/windowsexperience/2017/10/17/whats-new-windows-10-fall-creators-update/>  
There's an optional embedded video 31 minutes long.
- 3) Tutorial about Windows Update Settings:  
<http://www.tomsitpro.com/articles/windows-10-update-settings,2-1038.html>