

Operation system

software complex to perform following tasks:

- **hardware support**
- **software installation and management**
- **file system maintenance**
- **hardware and software interfaces support**
- **user interface support**
- **distribution of computing resources**

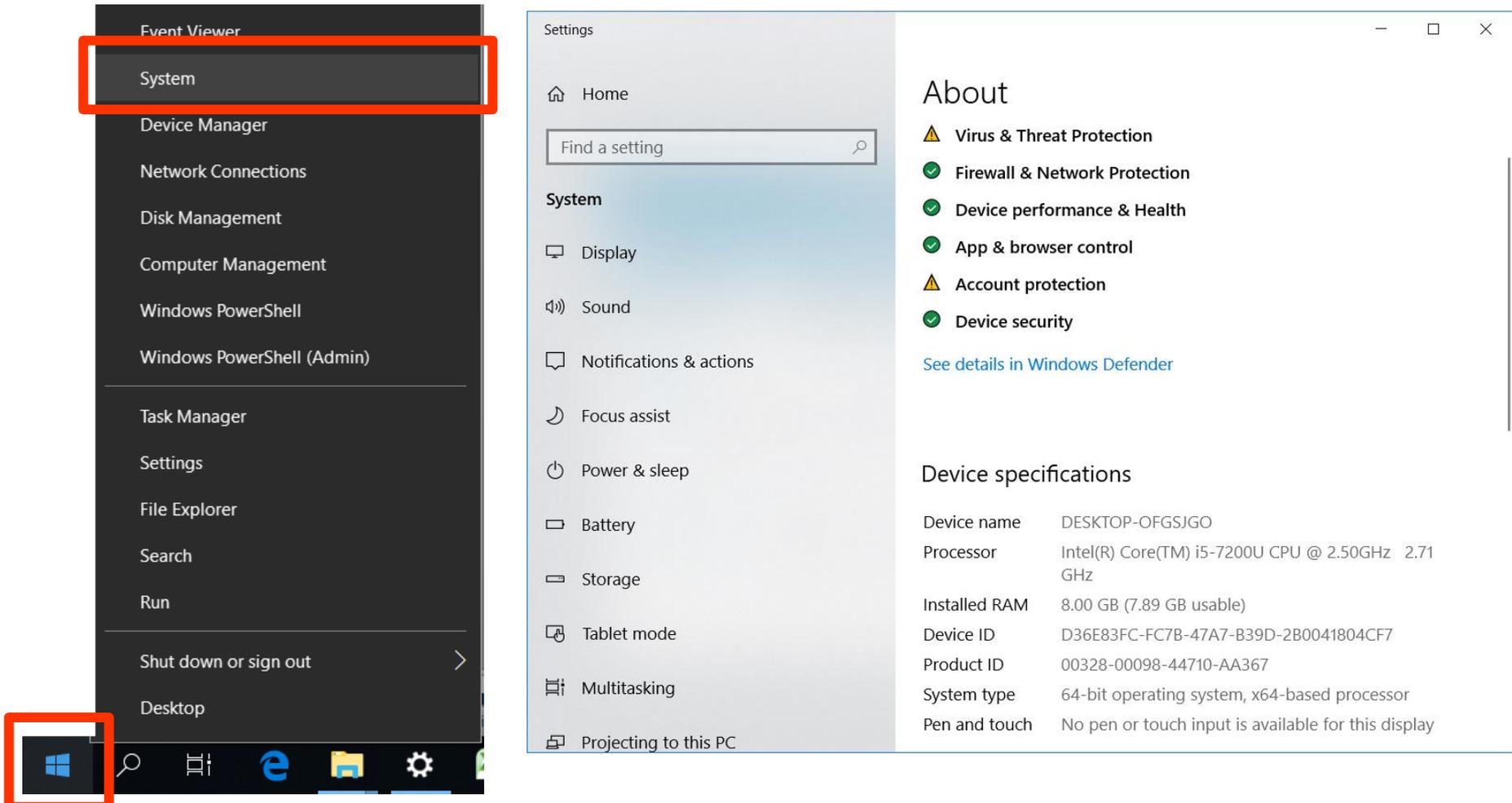
File manager

software to perform following tasks in file system:

- **searching objects (files, folders, shortcuts)**
- **navigation**
- **opening objects**
- **creating objects**
- **copying objects**
- **moving objects**
- **deleting objects**

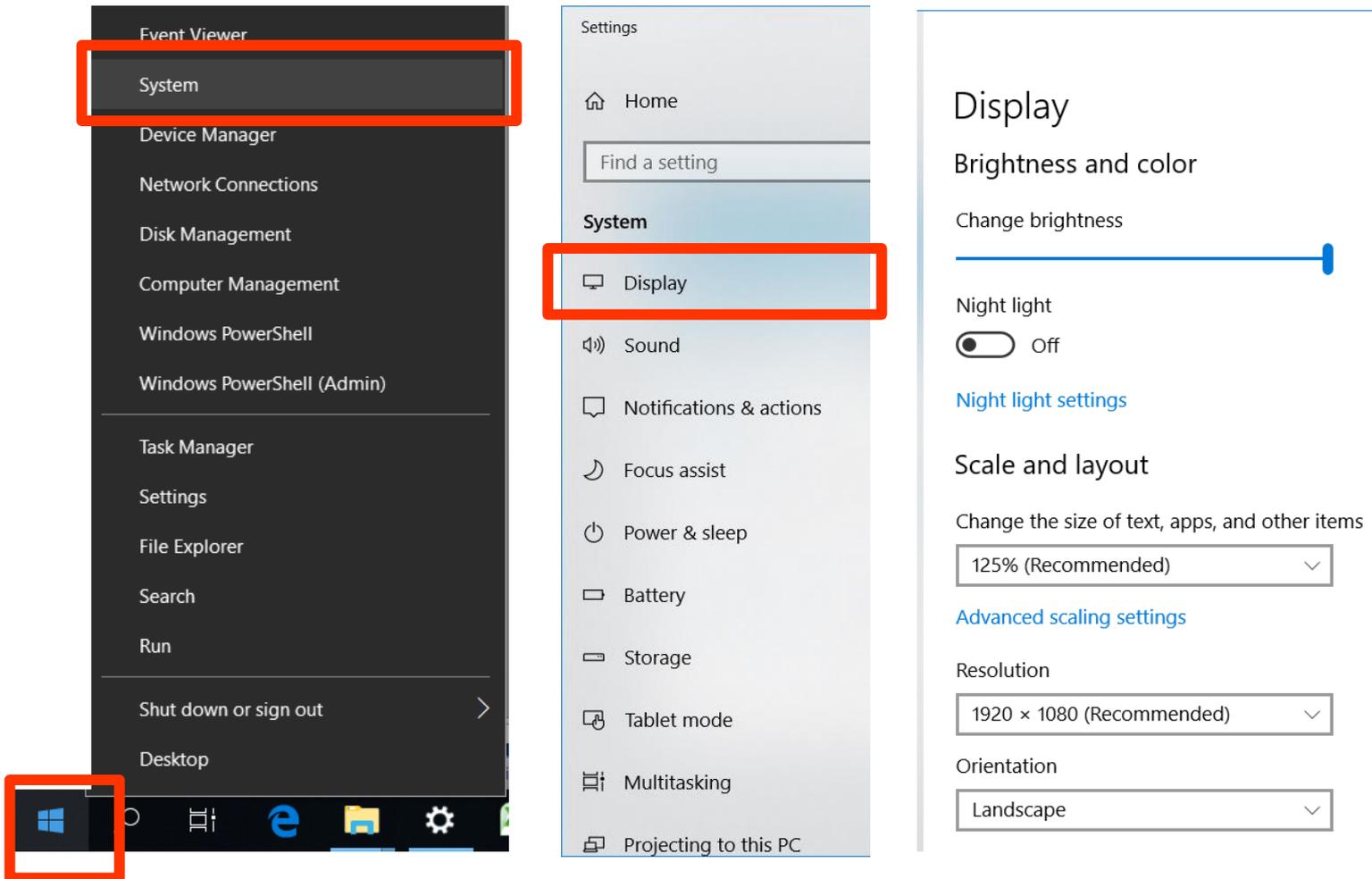
OS info, CPU info, RAM info

Start > RMB > System



Display info/parameters

Start > RMB > System > Display



Display adapter (graphic card) info/parameters

Start > RMB > System > Display > Advanced display settings

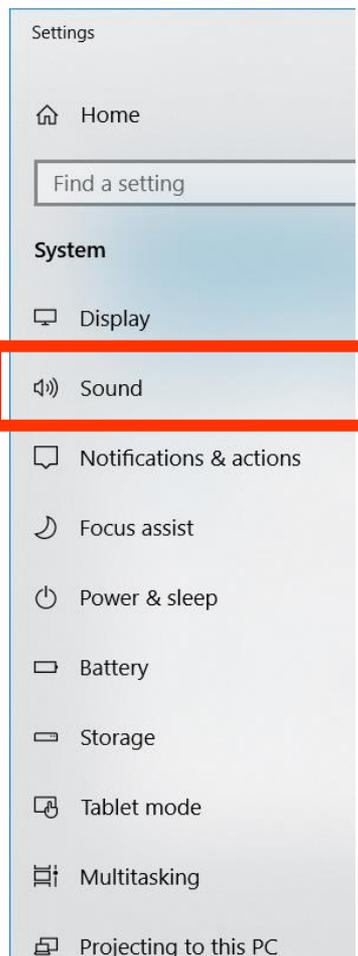
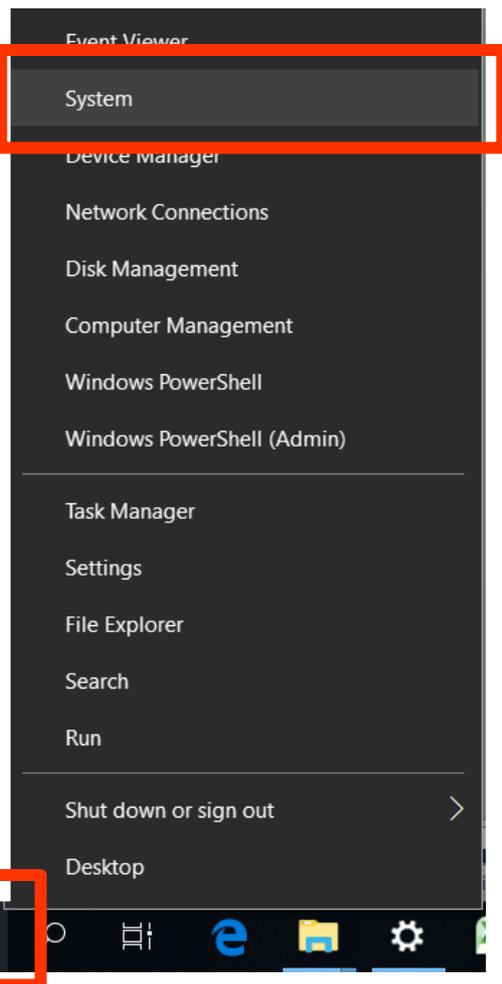
The image shows a Windows Start menu on the left with the 'System' option highlighted by a red box. In the center, the Settings application is open, with the 'Display' option under the 'System' category highlighted by a red box. On the right, the 'Advanced display settings' link is highlighted by a red box. Below this, the 'Display 1' section shows the connected graphics card and its specifications.

Property	Value
Desktop resolution	1920 × 1080
Active signal resolution	1920 × 1080
Refresh rate (Hz)	60 Hz
Bit depth	8-bit
Color format	RGB
Color space	Standard dynamic range (SDR)

[Display adapter properties for Display 1](#)

Sound info/parameters

Start > RMB > System > Sound



Sound

Choose your output device

Speakers (Realtek High Definition... ▾)

Some apps are using custom output settings. You can personalize these in app volume and device preferences below.

[Device properties](#)

Volume



[Troubleshoot](#)

Input

Choose your input device

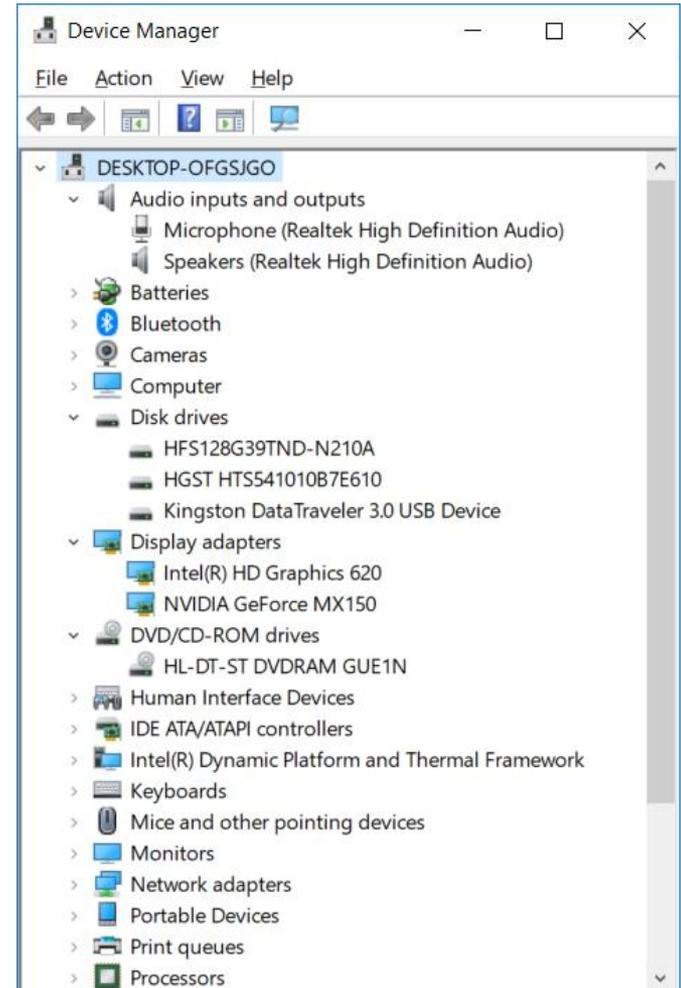
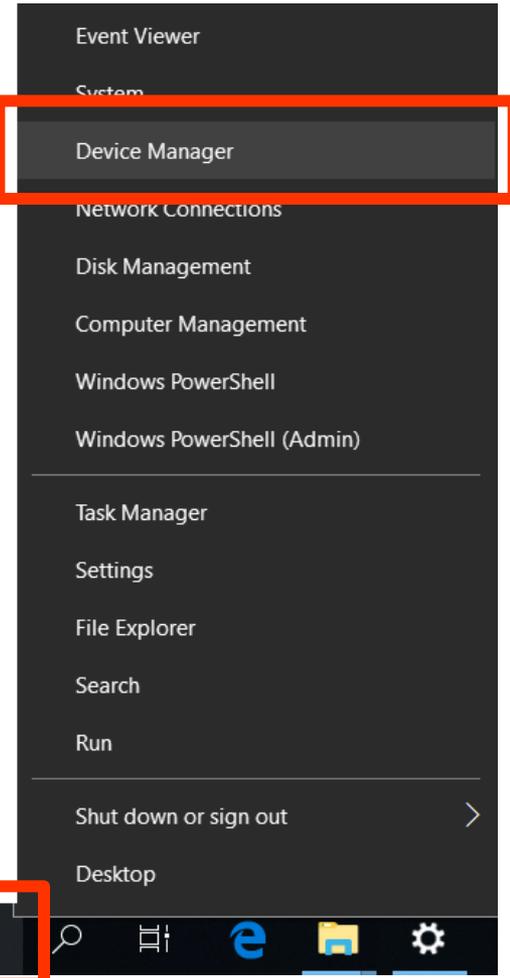
Microphone (Realtek High Definiti... ▾)

Some apps are using custom input settings. You can personalize these in app volume and device preferences below.

[Device properties](#)

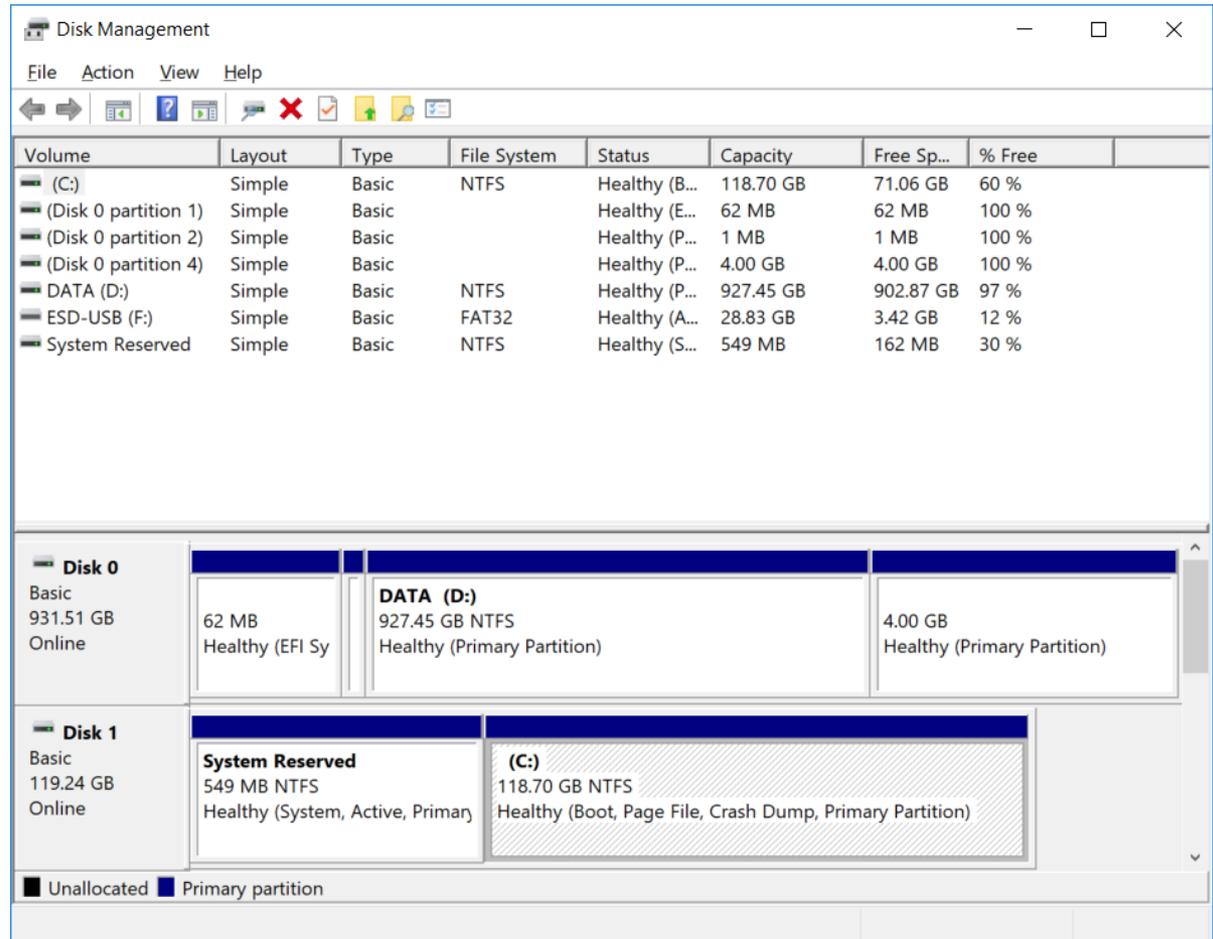
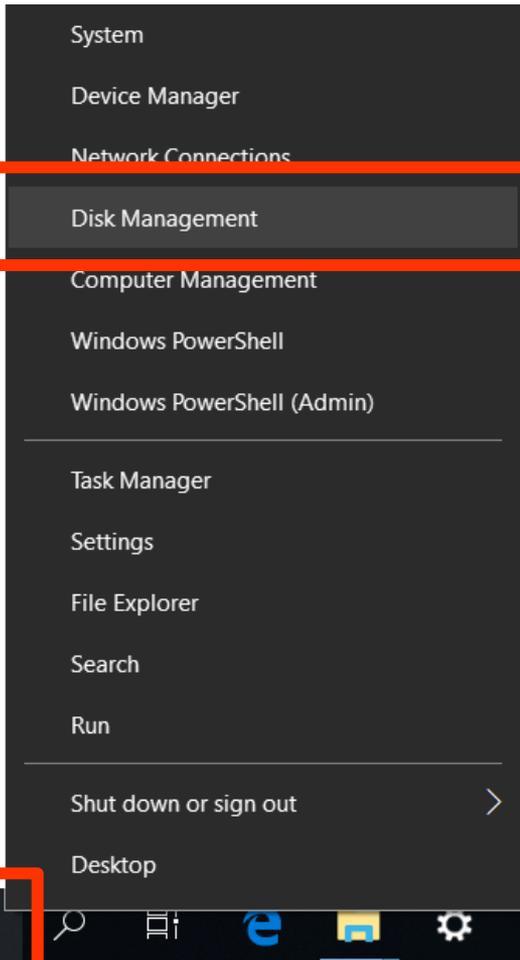
Device info

Start > RMB > Device Manager



Disk info

Start > RMB > Disk Management



General info / Mouse, Keyboard, ...

Start > RMB > Settings > Devices

The screenshot shows the Windows Start menu on the left with 'Settings' highlighted in a red box. The Windows logo in the taskbar is also highlighted in a red box. To the right, the Windows Settings app is open, with the 'Devices' category highlighted in a red box. Below 'Devices', the 'Mouse' option is highlighted in a red box. On the far right, the 'Mouse' settings page is shown, with the 'Left' button selected in a dropdown menu and the 'Multiple lines at a time' scroll setting selected in another dropdown menu.

Start Menu:

- Task Manager
- Settings**
- File Explorer
- Search
- Run
- Shut down or sign out
- Desktop

Taskbar:

- Windows logo
- Search icon
- Task View icon
- Edge icon
- File Explorer icon
- Settings icon

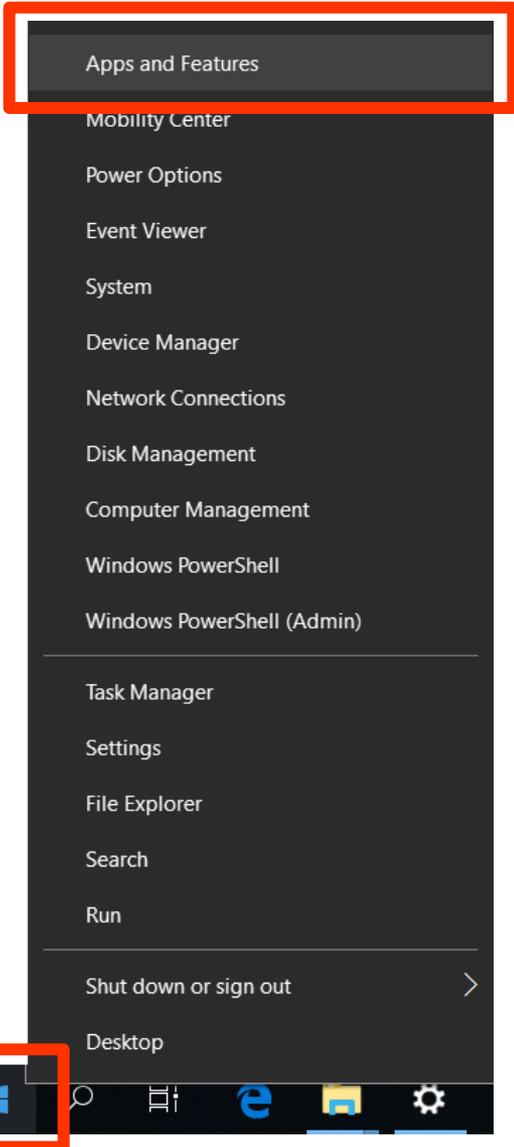
Settings App:

- System: Display, sound, notifications, power
- Network & Internet: Wi-Fi, airplane mode, VPN
- Accounts: Your accounts, email, sync, work, family
- Devices: Bluetooth, printers, mouse**
- Personalization: Background, lock screen, colors
- Time & Language: Speech, region, date
- Phone: Link your Android, iPhone
- Apps: Uninstall, defaults, optional features
- Gaming: Game bar, DVR, broadcasting, Game Mode

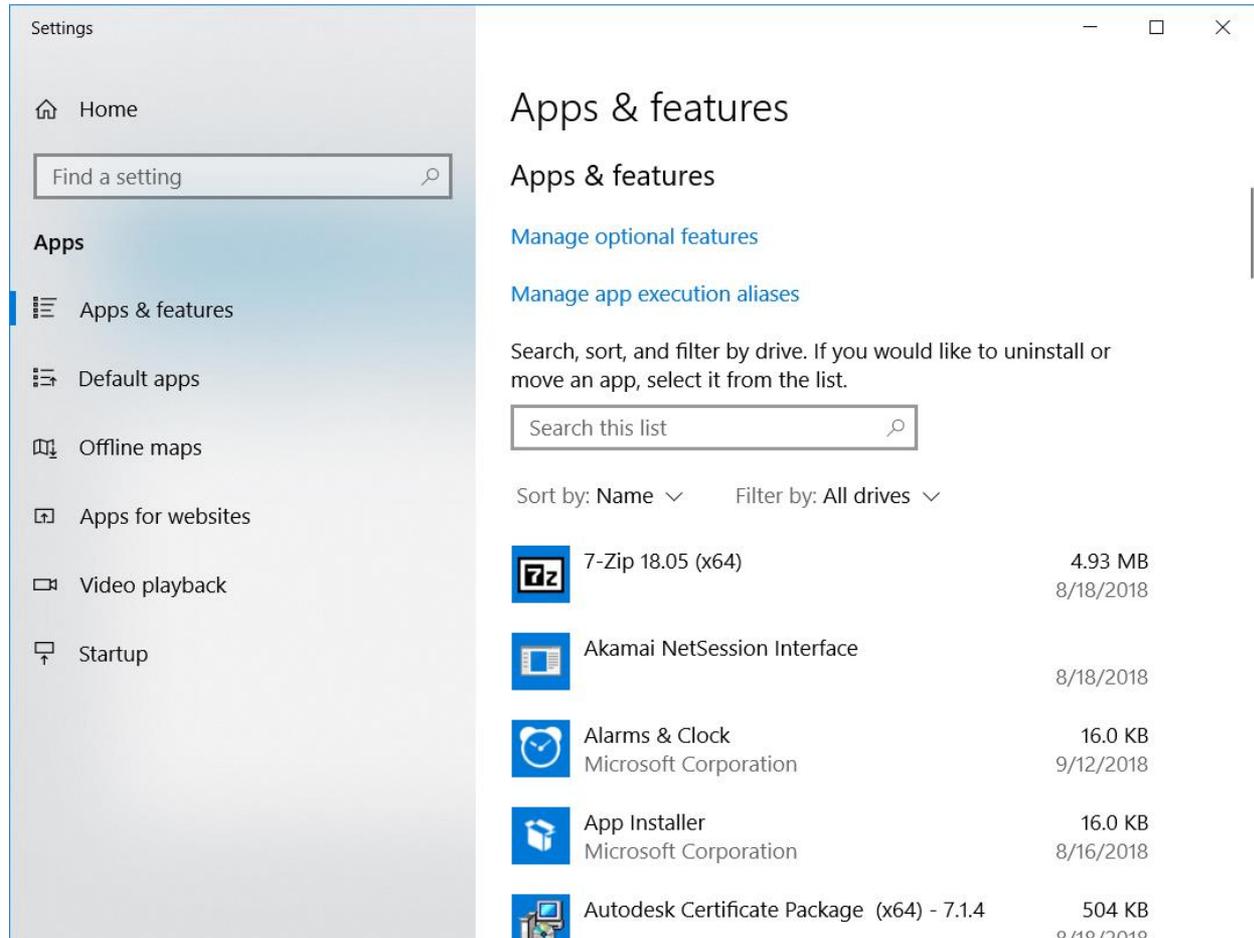
Mouse Settings:

- Select your primary button: **Left**
- Roll the mouse wheel to scroll: **Multiple lines at a time**
- Choose how many lines to scroll each time: [Slider]
- Scroll inactive windows when I hover over them: **On**
- Related settings: [Additional mouse options](#)

Applications info

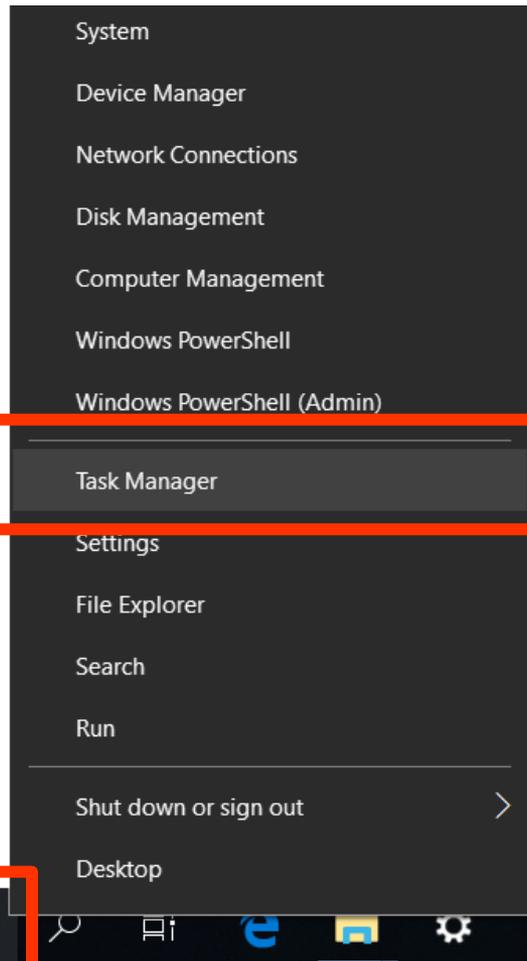


Start > RMB > Apps & Features



Processes info/management

Start > RMB > Task Manager



A screenshot of the Windows Task Manager window. The window title is 'Task Manager' and it has standard window controls. The 'Processes' tab is selected, showing a list of running applications and background processes. The list is organized into two sections: 'Apps (6)' and 'Background processes (54)'. Each process entry includes an icon, the process name, and columns for CPU, Memory, Disk, and Network usage. The 'Paint 3D (2)' process is highlighted in yellow. At the bottom, there is a 'Fewer details' button and an 'End task' button.

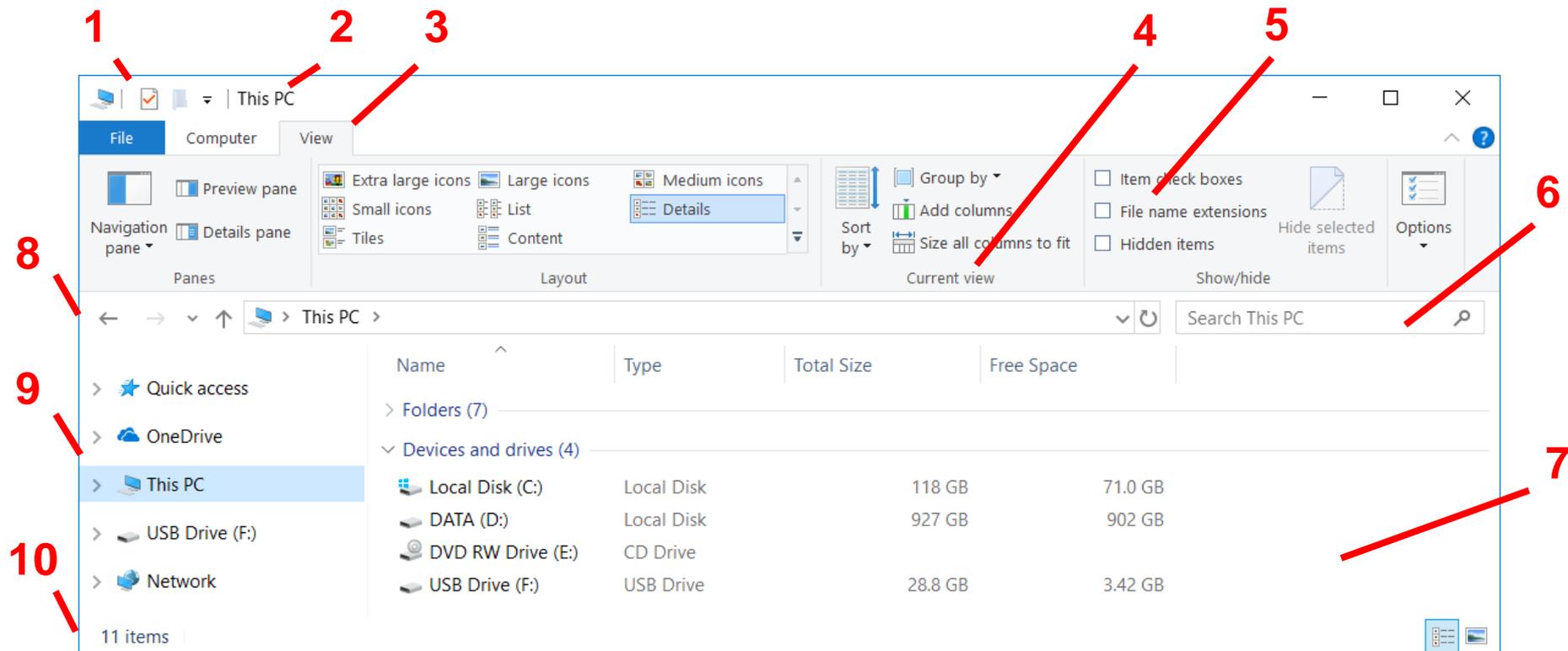
Name	Status	8% CPU	32% Memory	0% Disk	0% Network
Apps (6)					
> Microsoft Management Console		0%	2.6 MB	0 MB/s	0 Mbps
> Microsoft PowerPoint (32 bit) (2)		0%	33.1 MB	0 MB/s	0 Mbps
> Microsoft Word (32 bit)		0%	44.4 MB	0 MB/s	0 Mbps
> Paint 3D (2)		3.3%	343.3 MB	0.1 MB/s	0 Mbps
> Task Manager		0.8%	20.9 MB	0 MB/s	0 Mbps
> Windows Explorer (3)		0.1%	50.6 MB	0 MB/s	0 Mbps
Background processes (54)					
> Activation Licensing Service		0%	1.6 MB	0 MB/s	0 Mbps
Akamai NetSession Client (32 bit)		0%	5.9 MB	0 MB/s	0 Mbps
Akamai NetSession Client (32 bit)		0%	2.2 MB	0 MB/s	0 Mbps
> amijm.exe		0%	1.9 MB	0 MB/s	0 Mbps
Application Frame Host		0%	8.2 MB	0 MB/s	0 Mbps

Starting of Windows Explorer. Interface

Win + E

or

Start > RMB > File Explorer

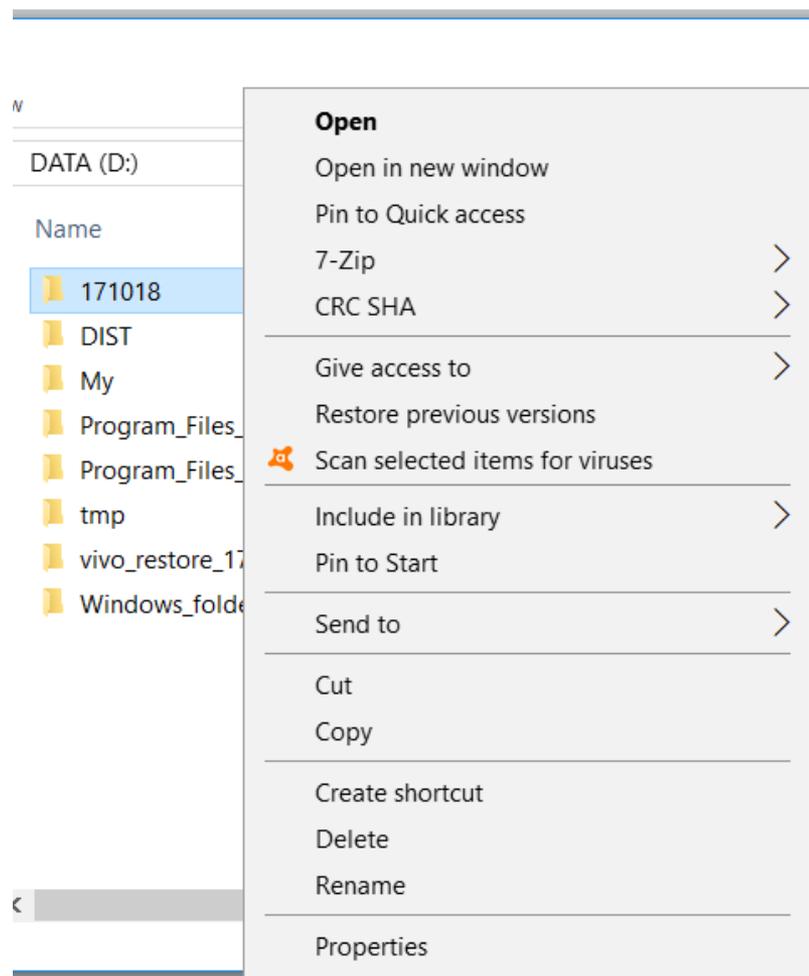
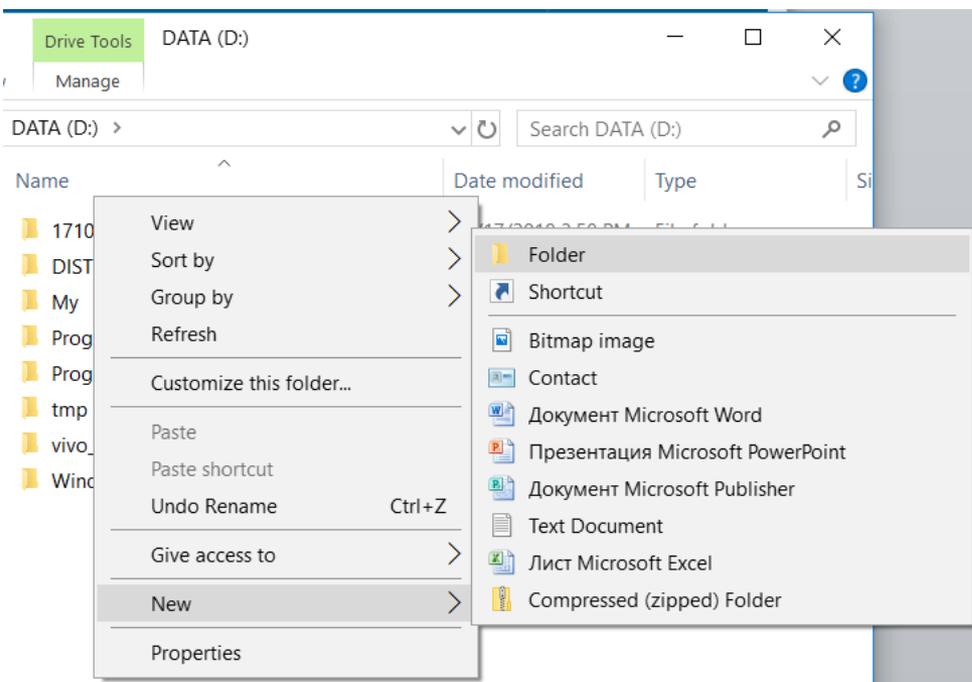


1 – Quick access toolbar; **2** – Header; **3** – Tabs; **4** – Groups; **5** – Commands; **6** – Search bar; **7** – Working area; **8** – Address bar; **9** – Navigation tree view (structure); **10** – Status bar

General operations in Windows Explorer

Working area > RMB > ...

File/Folder > RMB > ...



Sorting in Windows Explorer

**View > Layout > Details
... > Column Headers**

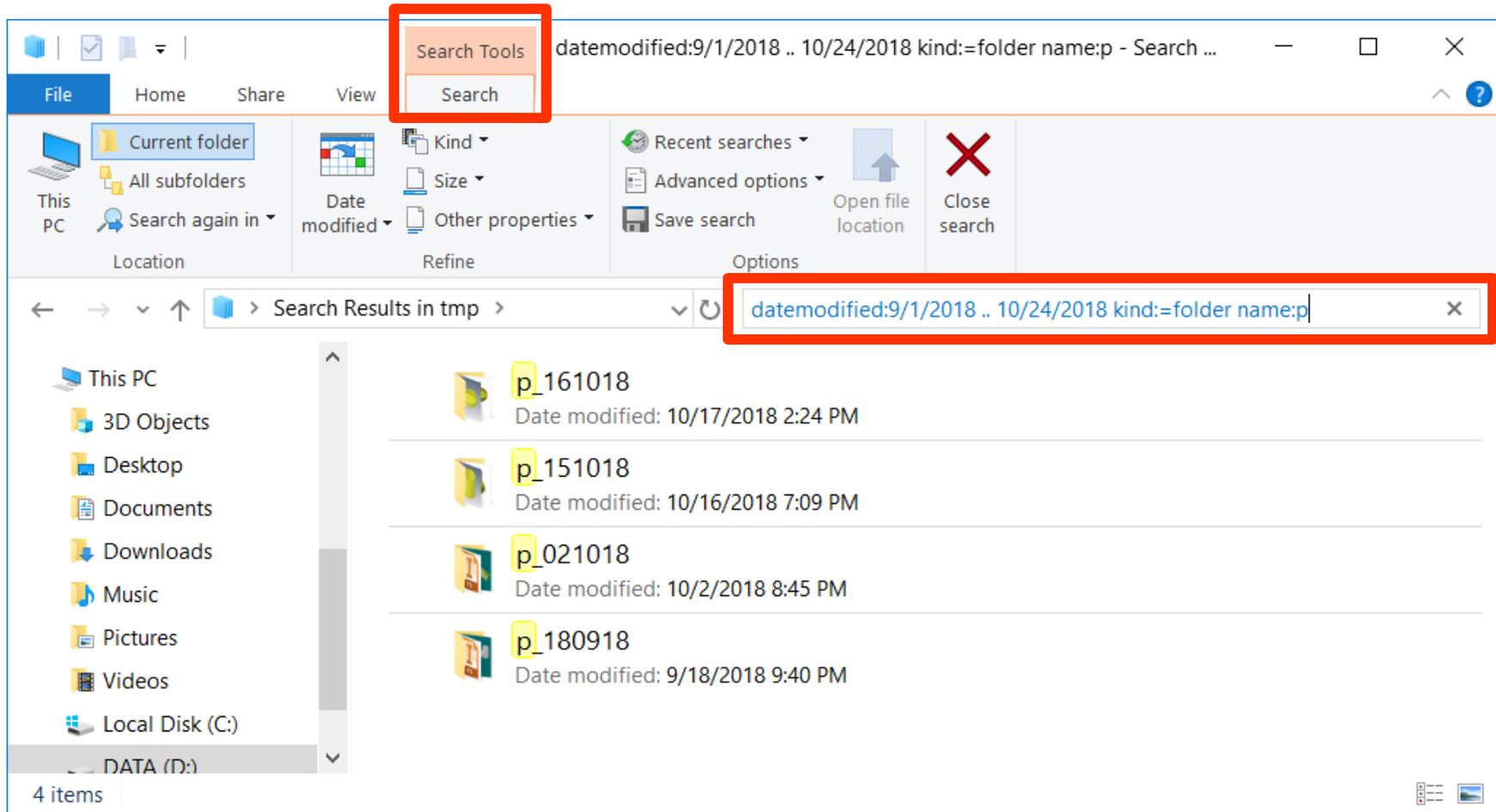
**View > Current View >
> Sort by ...**

The screenshot shows the Windows Explorer interface for a folder named 'tmp'. The 'View' tab is active, and the 'Details' view is selected. The 'Sort by' dropdown menu is open, showing 'Date modified' selected. The file list is sorted by date modified, showing folders and files with their respective dates and sizes.

Date modified	Type	Size
10/2/2018 8:02 PM	File folder	
10/2/2018 8:45 PM	File folder	
10/16/2018 7:09 PM	File folder	
10/17/2018 2:24 PM	File folder	
9/18/2018 9:40 PM	File folder	
8/24/2018 8:59 PM	File folder	
8/23/2018 8:18 PM	Text Document	28 KB
9/12/2018 9:24 PM	Windows Installer Package	1,464 KB
8/24/2018 9:21 PM	PNG File	618 KB

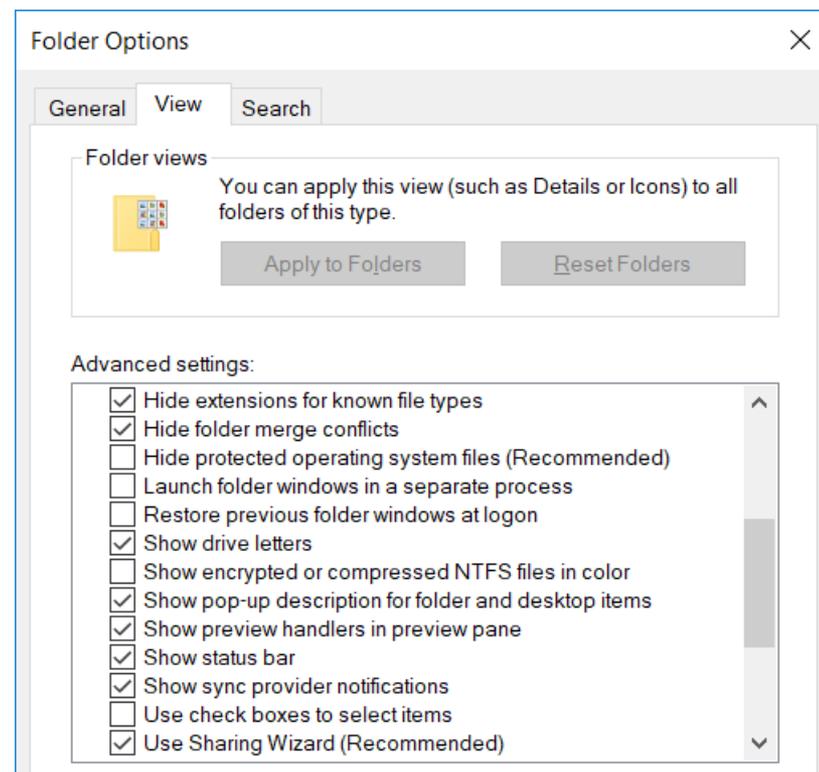
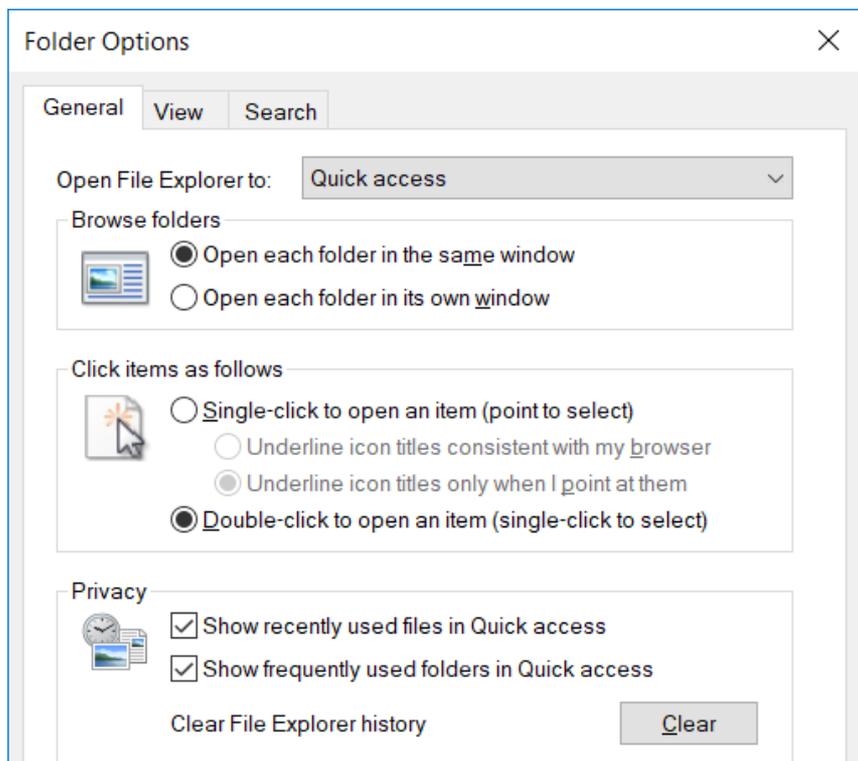
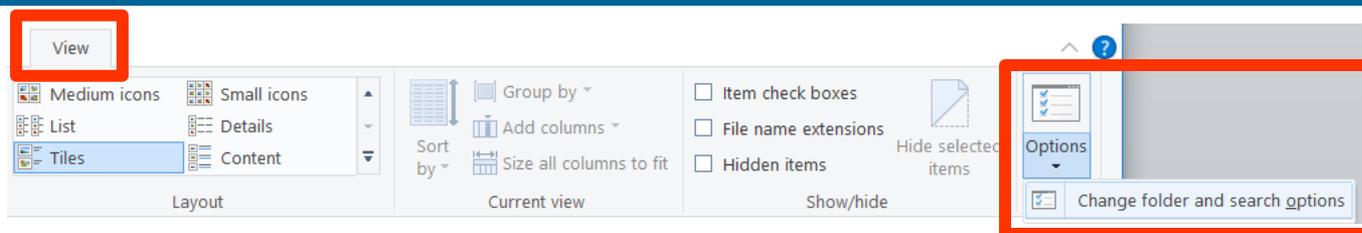
Search in Windows Explorer

Search Bar > ... > Search Tools – Search Tab > ...



Options of Windows Explorer

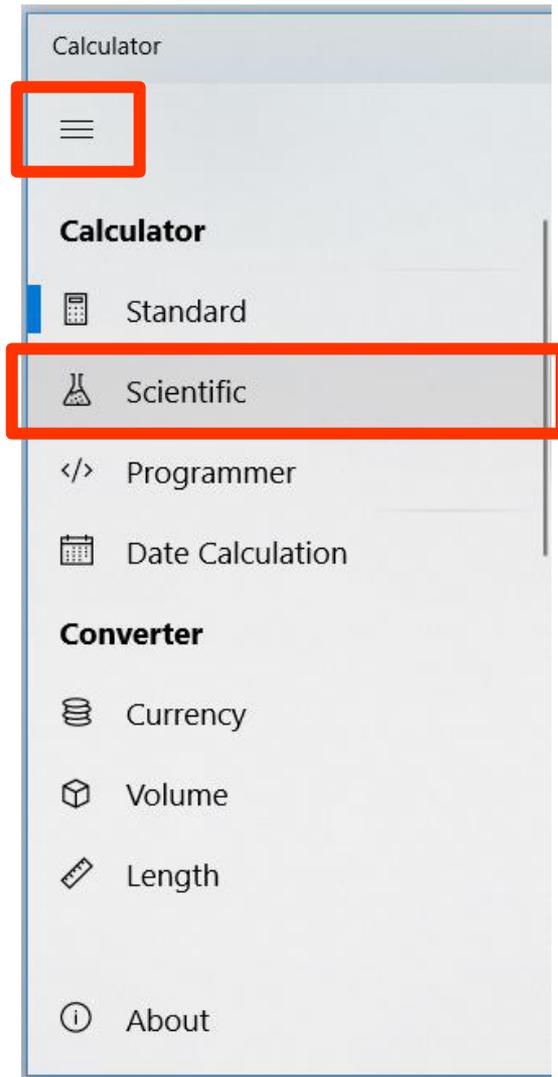
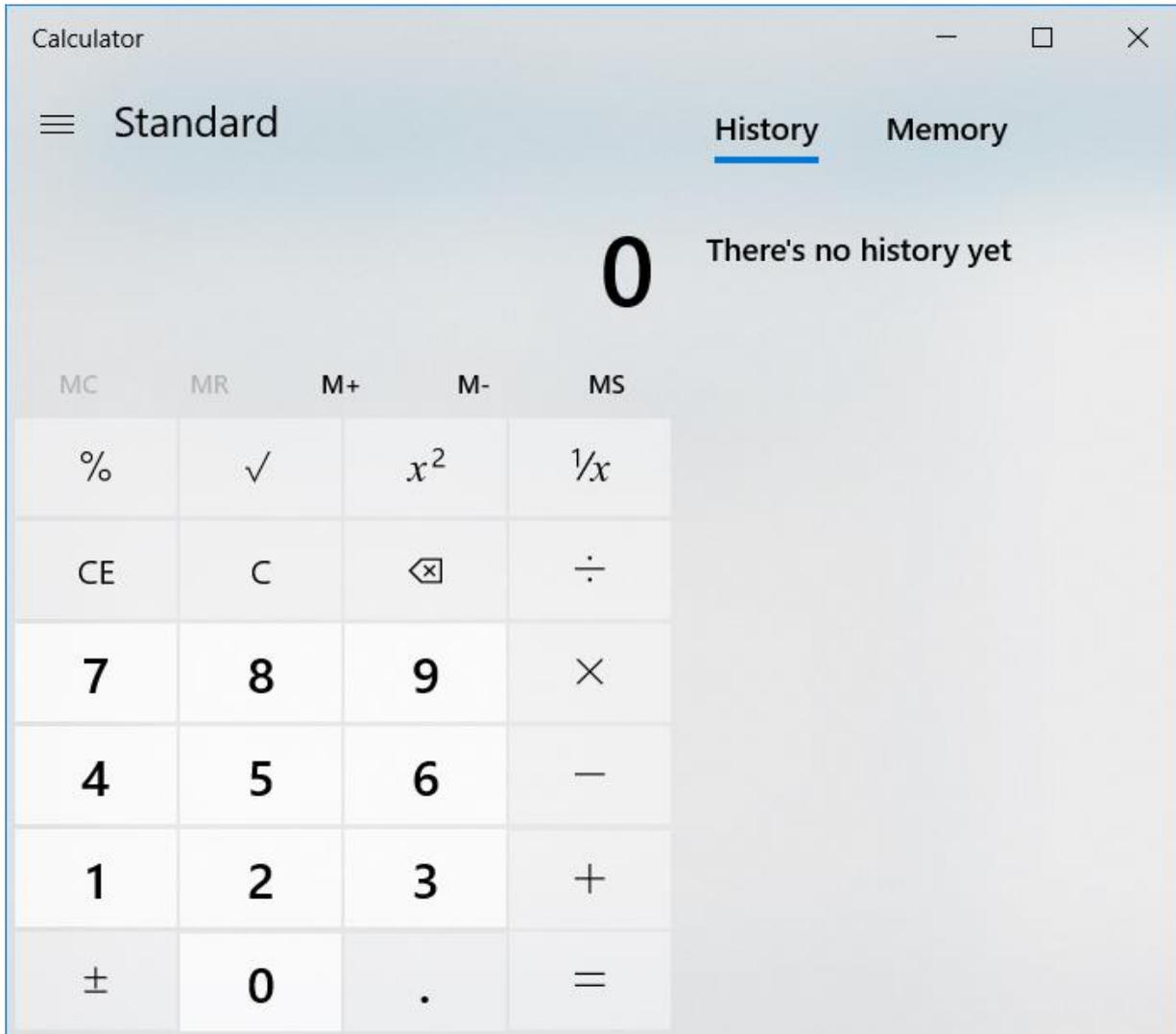
View > Options > Change folder and search options...



Win + R > calc

or

Start > Calculator



Calculator — □ ×

☰ Scientific History Memory

0 There's nothing saved in memory

DEG	HYP	F-E						
MC	MR	M+	M-	MS				
x^2	x^y	sin	cos	tan	CE	C	⌫	÷
x^3	$\sqrt[y]{x}$	\sin^{-1}	\cos^{-1}	\tan^{-1}	7	8	9	×
√	10^x	log	Exp	Mod	4	5	6	−
$1/x$	e^x	ln	dms	deg	1	2	3	+
↑	π	n!	()	±	0	.	=

$$\cos^3\left(\frac{\sqrt[4]{4! - e^2}}{\arcsin(0,9)}\right) + \frac{\pi}{\log_4 15}$$

DEG	HYP	F-E						
MC	MR	M+	M-	MS				
x^2	x^y	sin	cos	tan	CE	C	\times	\div
x^3	$\sqrt[y]{x}$	\sin^{-1}	\cos^{-1}	\tan^{-1}	7	8	9	\times
$\sqrt{\quad}$	10^x	log	Exp	Mod	4	5	6	-
$1/x$	e^x	ln	dms	deg	1	2	3	+
\uparrow	π	n!	()	\pm	0	.	=

4	n!	-	2	e^x	=	$\sqrt[y]{x}$	4	=	\div	0	.
9	RAD	\sin^{-1}	=	cos	x^3	MS	π	\div	(1	5
log	/	4	log)	=	M+	MR	Result: 1.596			