

Sun City Computer Club

Windows SIG

April 11, 2023

**Questions, Comments, Suggestions welcomed at
any time**

Even Now



- [Audio Recording of this session](#)
- Use the link above to access MP4 audio recording
- Audio Recording in Progress
- SIG attendees are required to be members of the chartered club sponsoring that SIG.
Sun City Community Association By-law
- Sig leader – anyone?
- iDevices
- Topic Suggestions – plea(se)
- Your suggestions future presentations
- In person meetings



- Ever want to be a presenter??

Presenter???



- 114 Vulnerabilities
- 7 Critical
- 1 Actively exploited
- Max CVSS 9.8

Microsoft Patch Tuesday



Windows Update



Updates available

Last checked: Today, 12:04 PM

Windows Malicious Software Removal Tool x64 - v5.112 (KB890830)

2023-04 Cumulative Update for Windows 11 Version 22H2 for x64-based Systems (KB5025239)

Security Intelligence Update for Microsoft Defender Antivirus - KB2267602 (Version 1.387.695.0)

Windows 11



Windows Update



Updates available

Last checked: Today, 12:06 PM

Windows Malicious Software Removal Tool x64 - v5.112
(KB890830)

Status: Pending install

2023-04 Cumulative Update for Windows 10 Version 22H2 for
x64-based Systems (KB5025221)

Status: Downloading - 66%

Windows 10



Windows Update > Advanced options



Receive updates for other Microsoft products

Get Microsoft Office and other updates together with Windows updates

On



Get me up to date

Restart as soon as possible (even during active hours) to finish updating, and notify me 15 minutes before restarting so I can make sure this device is on and plugged in

On



Download updates over metered connections

Data charges may apply

Off



Notify me when a restart is required to finish updating

Show notification when your device requires a restart to finish updating

On



Active hours

We won't restart your device during these hours

Currently 6:00 AM to 12:00 AM



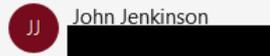
Questions from Last Time



- Home
- New
- Open
- Info
- Save
- Save As
- Print
- Share
- Account
- More...

Account

User Information



John Jenkinson

[Sign out](#)

[Switch account](#)

Account Privacy

Manage Settings

Office Background:

Circles and Stripes

Office Theme:

Use system setting

Connected Services:

OneDrive - Personal

Add a service

Product Information



Subscription Product for jenkinsonjp@...o.com
Microsoft 365

This product contains



Manage Account



Office Updates

Updates are automatically downloaded and installed.



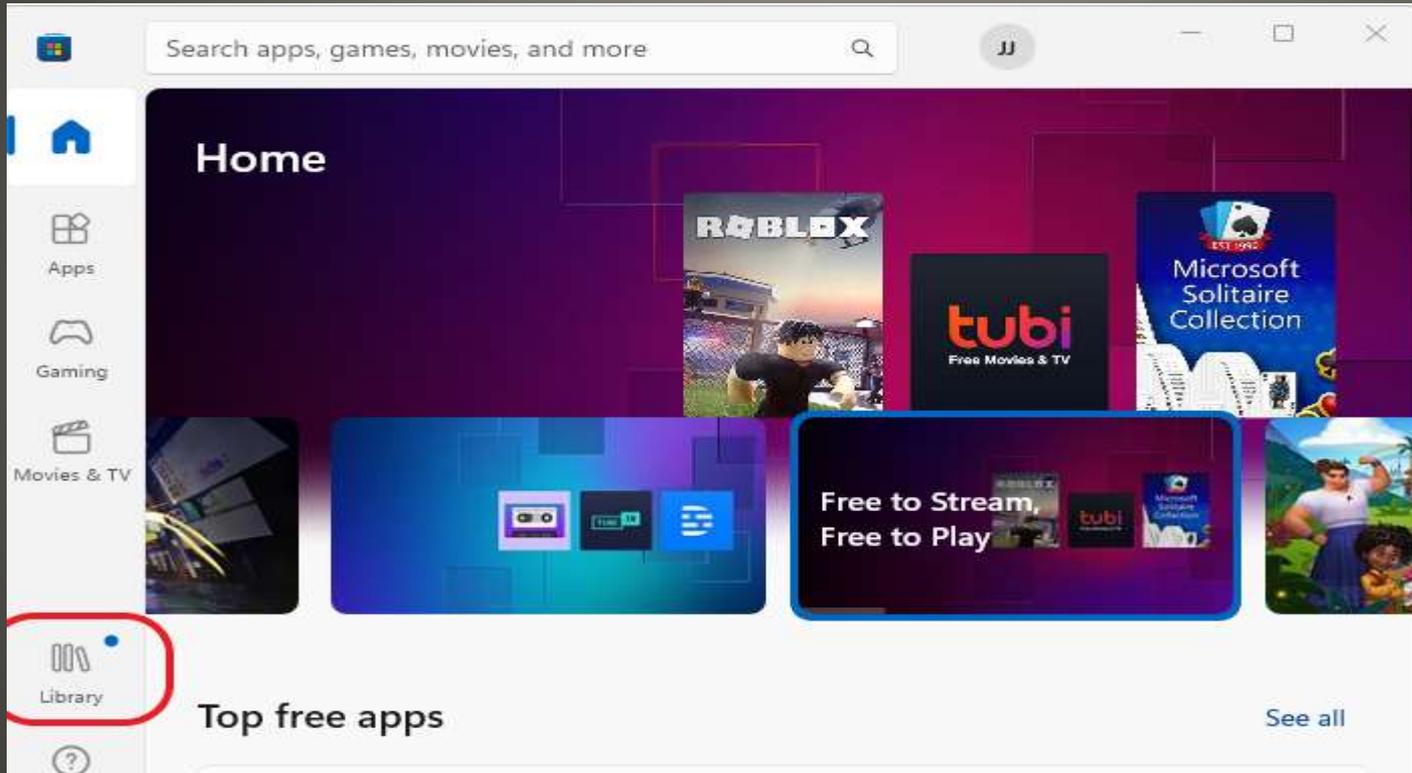
Office Insider

Join the Office Insider program and get early access to new releases of Office.

Questions from Last Time

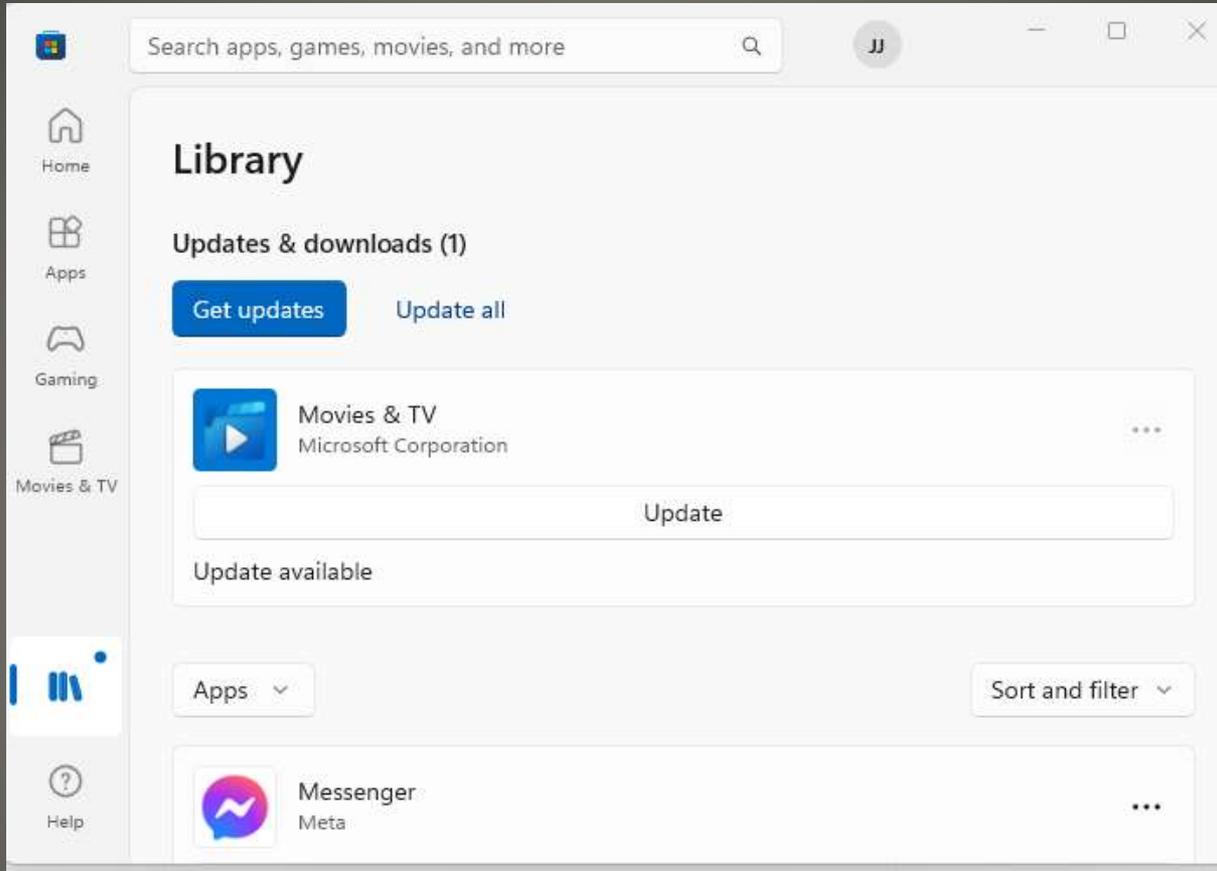


- Microsoft Store



Questions from Last Time





Microsoft Store



- Depends

Browsers, non-Microsoft Apps 

- Full Disk encryption
- Protects against disk separate from PC
- Decryption keys stored on PC in Windows

Bitlocker



- Windows 10 21H2 June 13, 2023

Windows 10 End-of-Service 

- Consider SSD replace
- Consider C drive repartition
- Copy License sticker/entitlement
- Old PC?
- Transfer files via OneDrive
- <https://www.microsoft.com/en-us/windows/transfer-your-data?r=1>
- Normal (time & date, TZ, etc.)
- STOP - take Media Creation Tool backup
- Windows Update(s)
- Media Creation Tool backup #2
- Task Manager Startup Tab Disable
- Restart

New or Replacement Windows



- Keep “old” disk as external *just-in-case*



The screenshot shows the Microsoft Edge browser interface. The address bar displays 'edge://wallet/crypto/overview'. The page is titled 'Crypto wallet' and includes a navigation menu with 'Overview', 'Assets', 'Transactions', 'Connections', and 'Explore'. The main content area shows 'Your cryptocurrency' with a balance of '\$0.00' and a change of '+\$0.00 (+0.00%)'. Below this is a line graph and the text 'No tokens yet'. A 'Transact' button is visible. The bottom section includes 'Connected dApps' with a 'Go and explore' link and a 'Watchlist' table.

Asset	Balance	Change
Ethereum (ETH)	\$1,713.23	+2.98%
Dai Stablecoin	\$1.00	

Crypto wallet in Edge?

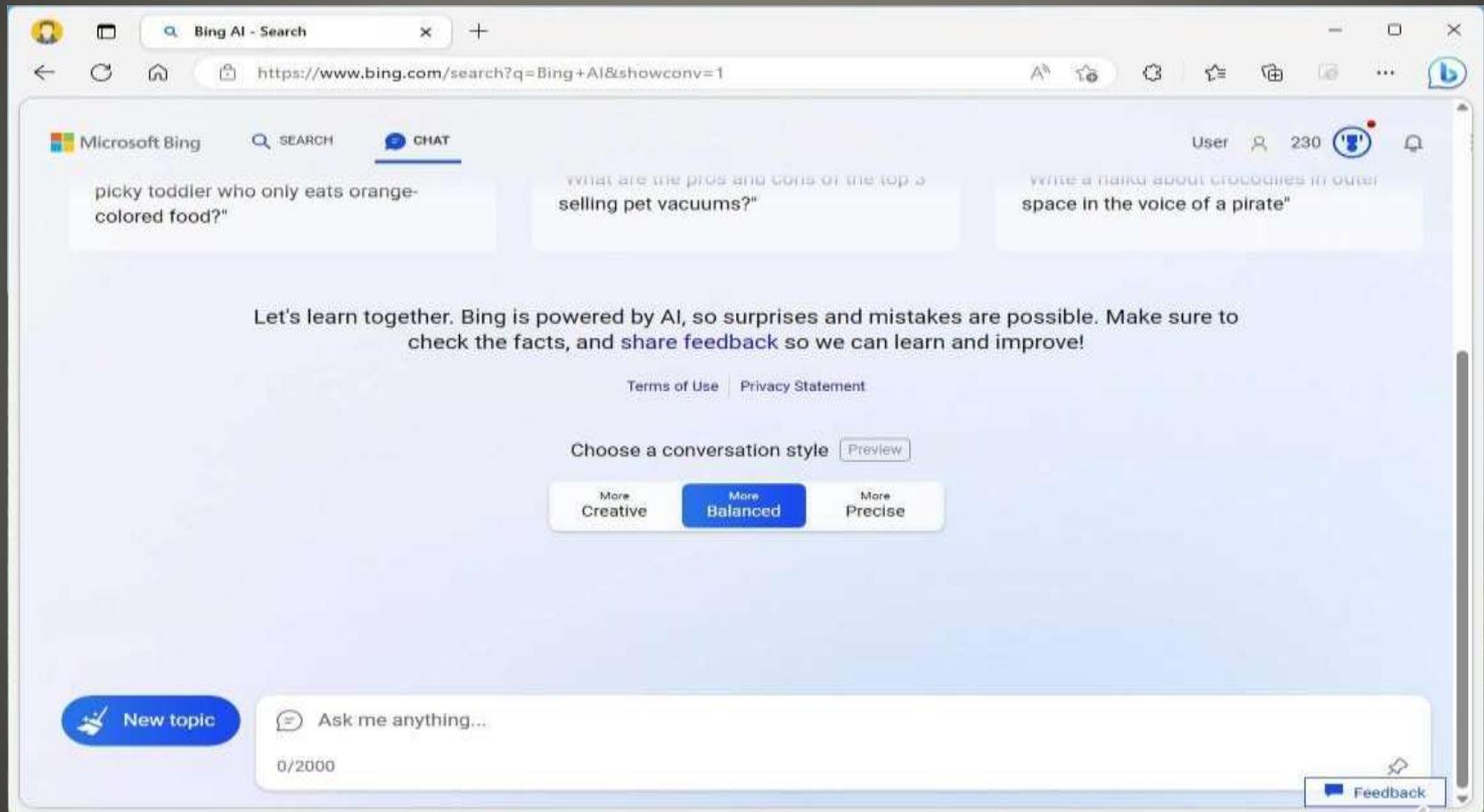


- Future?
- Feature?
- Hardware wallet please
- Non-custodial
- “loss of funds will not be reimbursed”
- Password & trusted recovery method

Crypto Wallet in Edge?



- Edge Bing.com/chat

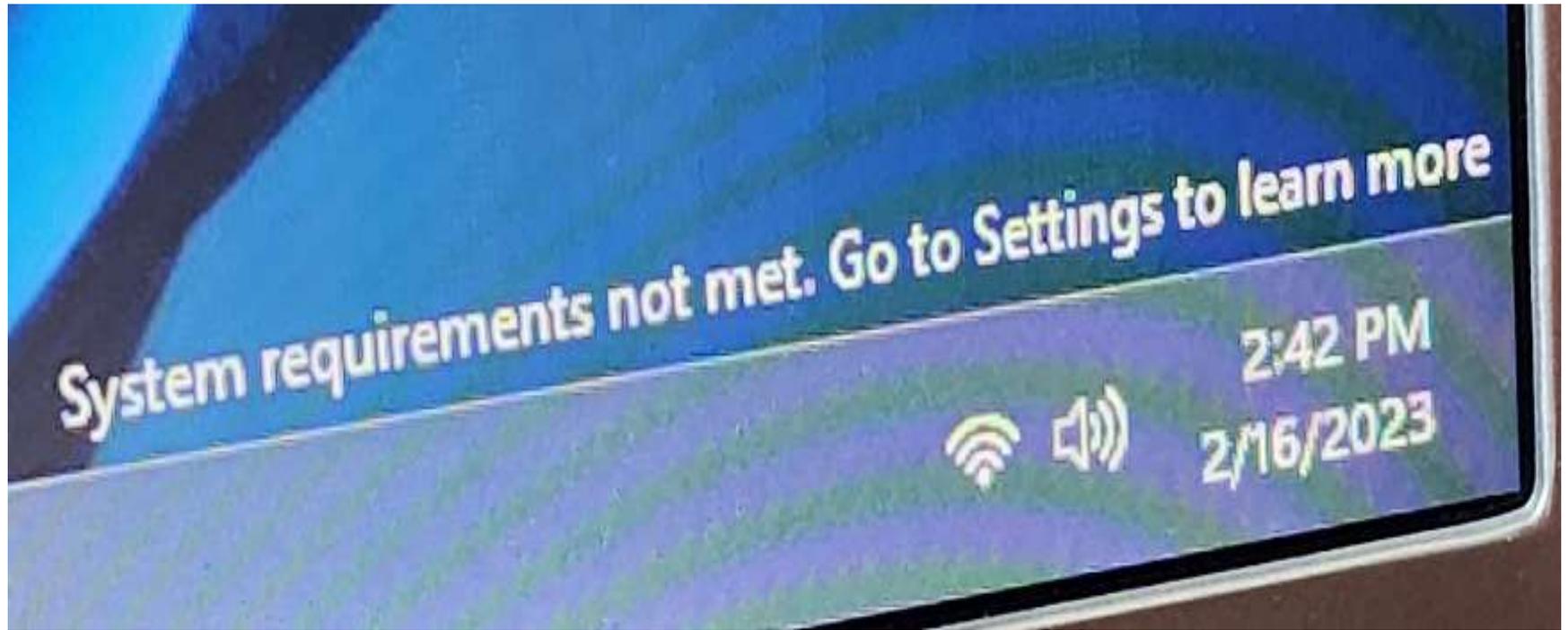


Bing Chat

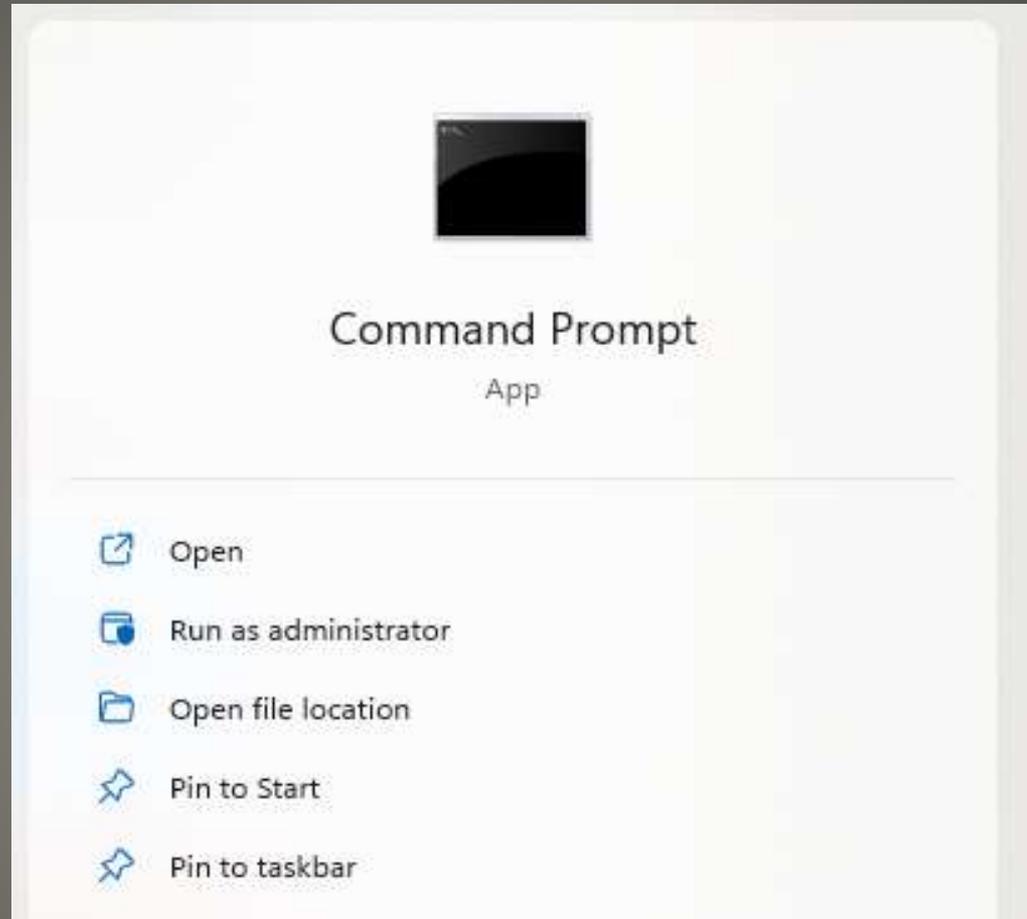


- Chat Style
 - Creative – more freedom
 - Balanced – more neutral
 - Precise – more accurately
- 2000-character input
- Stop Responding
- Follow-up
- Hover over content to reveal source
- Provide feedback – thumb up/down
- New Topic





- CMD



Windows Error Code DeCode



Administrator: Command Prompt

```
C:\>net helpmsg 120
```

```
This function is not supported on this system.
```

```
C:\>net helpmsg 1117
```

```
The request could not be performed because of an I/O device error.
```

```
C:\>net helpmsg 1116
```

```
Unable to abort the system shut-down because no shut-down was in progress.
```

```
C:\>
```

net helpmsg



```
Command Prompt
Microsoft Windows [Version 10.0.19043.2364]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Mahesh>CertUtil /error 0x80070490
```



certutil



The screenshot shows the Windows Event Viewer application. The left-hand pane displays a tree view of event sources, including Custom Views, Administrative Events, Windows Logs (Application, Security, Setup, System), Forwarded Events, Applications and Services Logs, Hardware Events, Internet Explorer, Key Management Service, Microsoft, Windows PowerShell, and Subscriptions.

The main pane is titled "Event Viewer (Local)" and shows the "Overview and Summary" section. It includes an "Overview" section with a tip, a "Summary of Administrative Events" table, a "Recently Viewed Nodes" table, and a "Log Summary" table.

Summary of Administrative Events

Event Type	Event ID	Source	Log	Last hour	24 hours	7 days
Critical	-	-	-	2	2	2
Error	-	-	-	49	66	66
Warning	-	-	-	8	51	51
Information	-	-	-	717	1,790	1,790

Recently Viewed Nodes

Name	Description	Modified	Created
Windows Logs/Application	N/A	4/26/2018 4:18:05 PM	4/27/2018 5:33:34 AM
Windows Logs/System	N/A	4/26/2018 4:18:02 PM	4/27/2018 5:33:34 AM

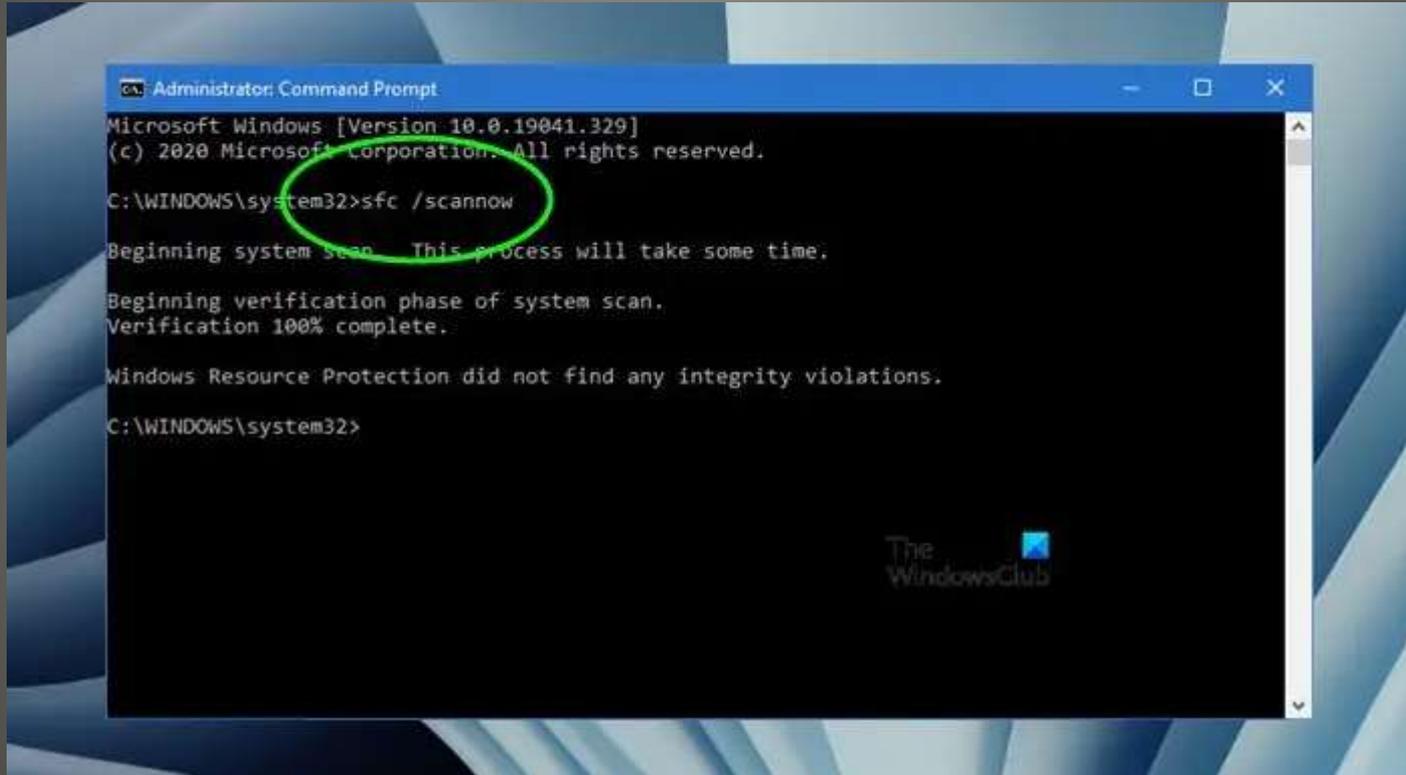
Log Summary

Log Name	Size (Current)	Modified	Enabled	Retention Policy
Application	1.07 MB/2...	4/26/2018 4:18:05 PM	Enabled	Overwrite events as nec...
Hardware Events	68 KB/20 ...	4/27/2018 5:34:50 AM	Enabled	Overwrite events as nec...
Internet Explorer	68 KB/1.0...	4/27/2018 5:34:50 AM	Enabled	Overwrite events as nec...
Key Management Service	68 KB/20 ...	4/27/2018 5:34:50 AM	Enabled	Overwrite events as nec...

Event Viewer



- System File Checker SFC
Check integrity of protected system files



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19041.329]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>sfc /scannow

Beginning system scan. This process will take some time.

Beginning verification phase of system scan.
Verification 100% complete.

Windows Resource Protection did not find any integrity violations.

C:\WINDOWS\system32>
```

Then What?



- Deployment Image Servicing and Management
DISM

```
GA Select Administrator: Command Prompt
Microsoft Windows [Version 10.0.22621.1413]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>dism

Deployment Image Servicing and Management tool
Version: 10.0.22621.1

DISM.exe [dism_options] {Imaging_command} [<Imaging_arguments>]
DISM.exe {/Image:<path_to_offline_image> | /Online} [dism_options]
        {servicing_command} [<servicing_arguments>]

DESCRIPTION:

DISM enumerates, installs, uninstalls, configures, and updates features
and packages in Windows images. The commands that are available depend
on the image being serviced and whether the image is offline or running.

FFU COMMANDS:

/Capture-Ffu           - Captures a physical disk image into a new FFU file.
/Apply-Ffu             - Applies an .ffu image.
/Split-Ffu             - Splits an existing .ffu file into multiple read-only
                        split FFU files.
/Optimize-Ffu         - Optimizes a FFU file so that it can be applied to storage
                        of a different size.
```

Then What?



Administrator: Command Prompt

Microsoft Windows [Version 10.0.25136.1000]
(c) Microsoft Corporation. All rights reserved.

```
C:\Windows\System32>DISM /Online /Cleanup-Image /ScanHealth
```

Deployment Image Servicing and Management tool
Version: 10.0.25136.1000

Image Version: 10.0.25136.1000

[=====100.0%=====] No component store corruption detected.
The operation completed successfully.

```
C:\Windows\System32>
```

DISM



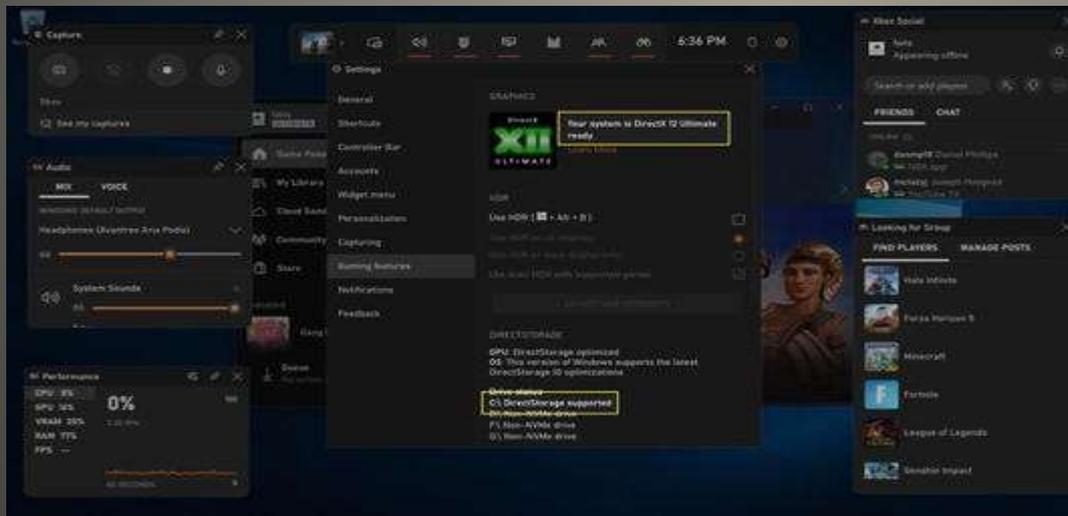
- @mentions
Create, assign, track tasks
- Add hyperlinks into comments
- Insert images into cells

Excel



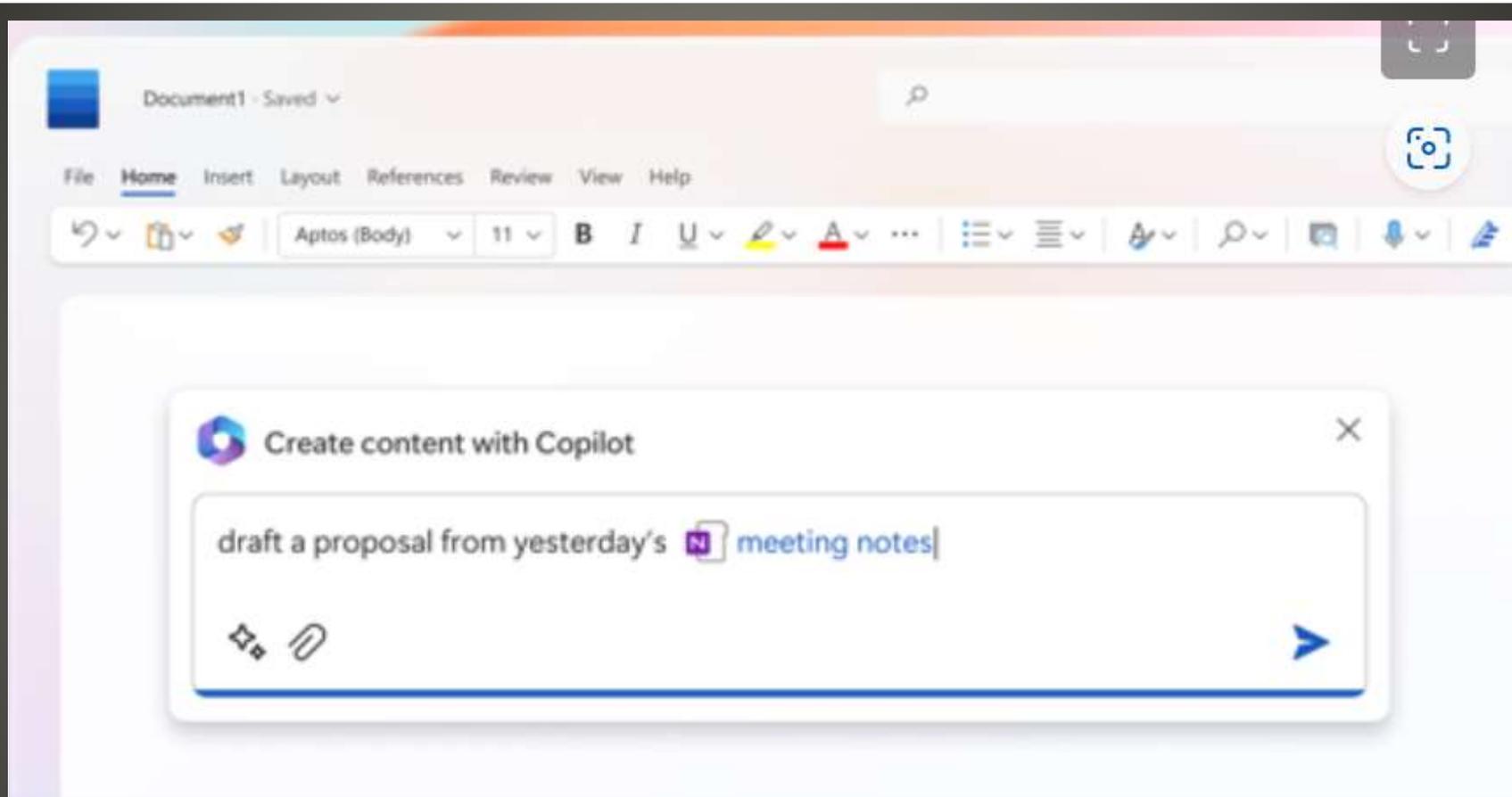
- Improved load times & game performance
- NVMe SSD and DirectX 12 graphics card
- Enabled by default

Windows + G => Xbox Game Bar
Gear icon > Gaming features



Direct Storage





Office with copilot



- Edge browser
- Almost any OS
- Apple Linux ChromeOS Android
- Updated a lot
- Pushy A LOT

Edge



- Image Creator
- Drop
- Edit Image
- Efficiency Mode

Edge recent features



word online - Search | Word | Microsoft 365 | Document 16.docx - Microsoft V | +

https://onedrive.live.com/edit.aspx?action=editnew&resid=8E6A3A868A9...

Word Document 16 - Saved to OneDrive

File Home Insert Layout Share

B I U ...



Image Creator



Bing Image Creator Share

AI revolution
Created with AI

Powered by DALL-E

Page 1 of 1 English (U.S.) Page View Web View 100%

Image Creator





Frequently asked *questions*

- 01 / What is Image Creator? 
- 02 / How do I use Image Creator? 
- 03 / Is there a waiting list to use Image Creator? 
- 04 / What languages are supported? 
- 05 / How do I create better prompts? 
- 06 / How do Microsoft Rewards work with Image Creator? 
- 07 / What if I have other questions about Image Creator? 

Image Creator examples



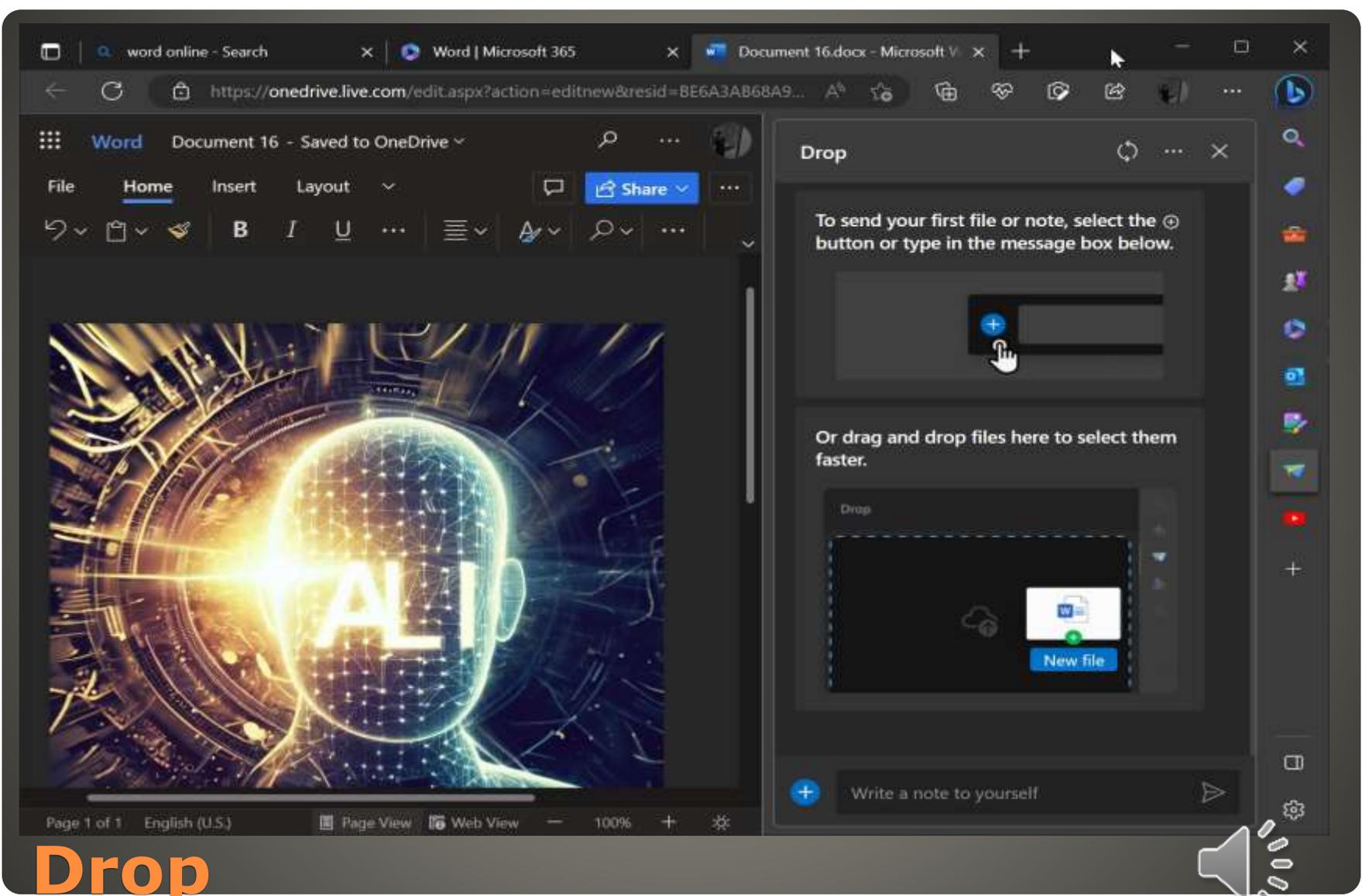
a photo of a sleeping lion in a room with blue flower wallpaper and gold curtains

22

Explore ideas

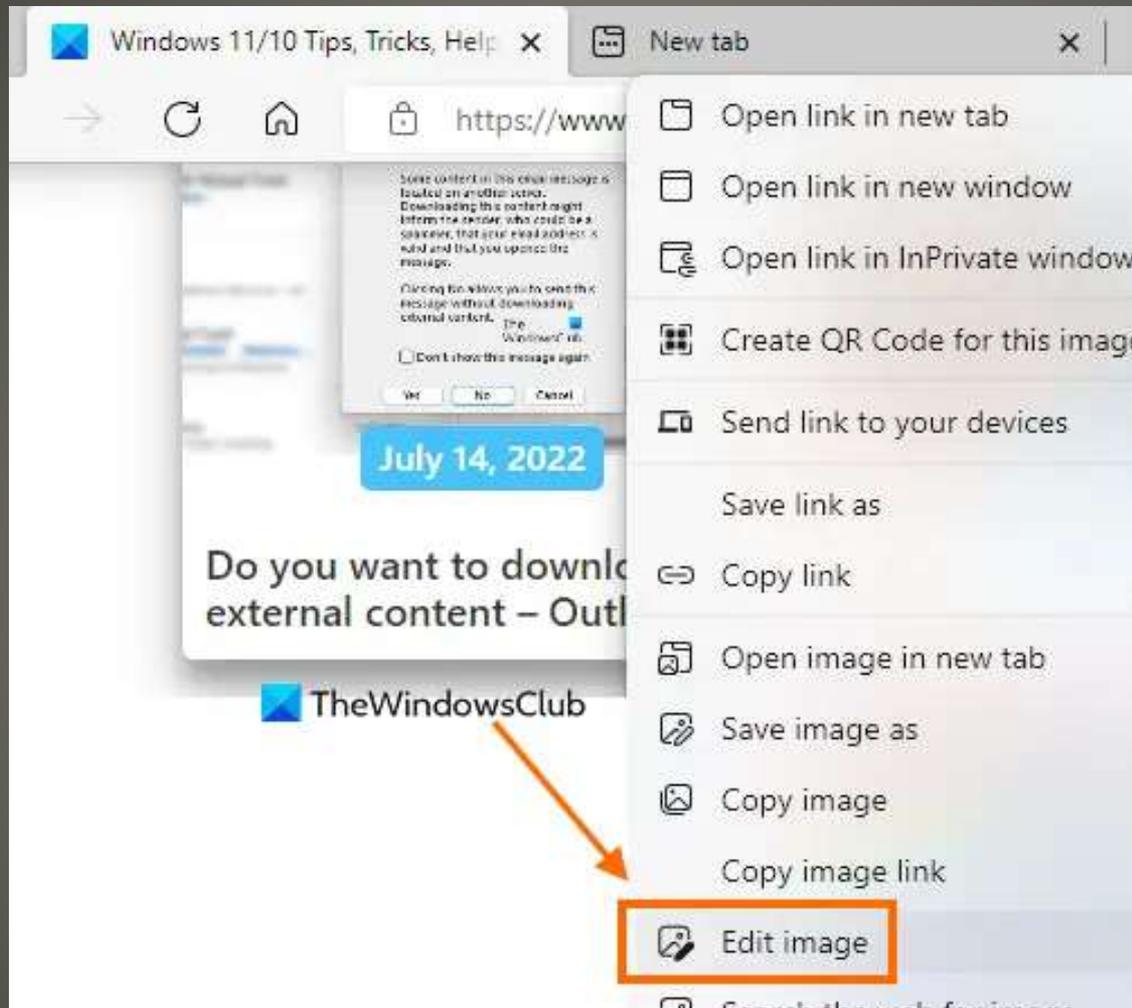
Creations





Drop

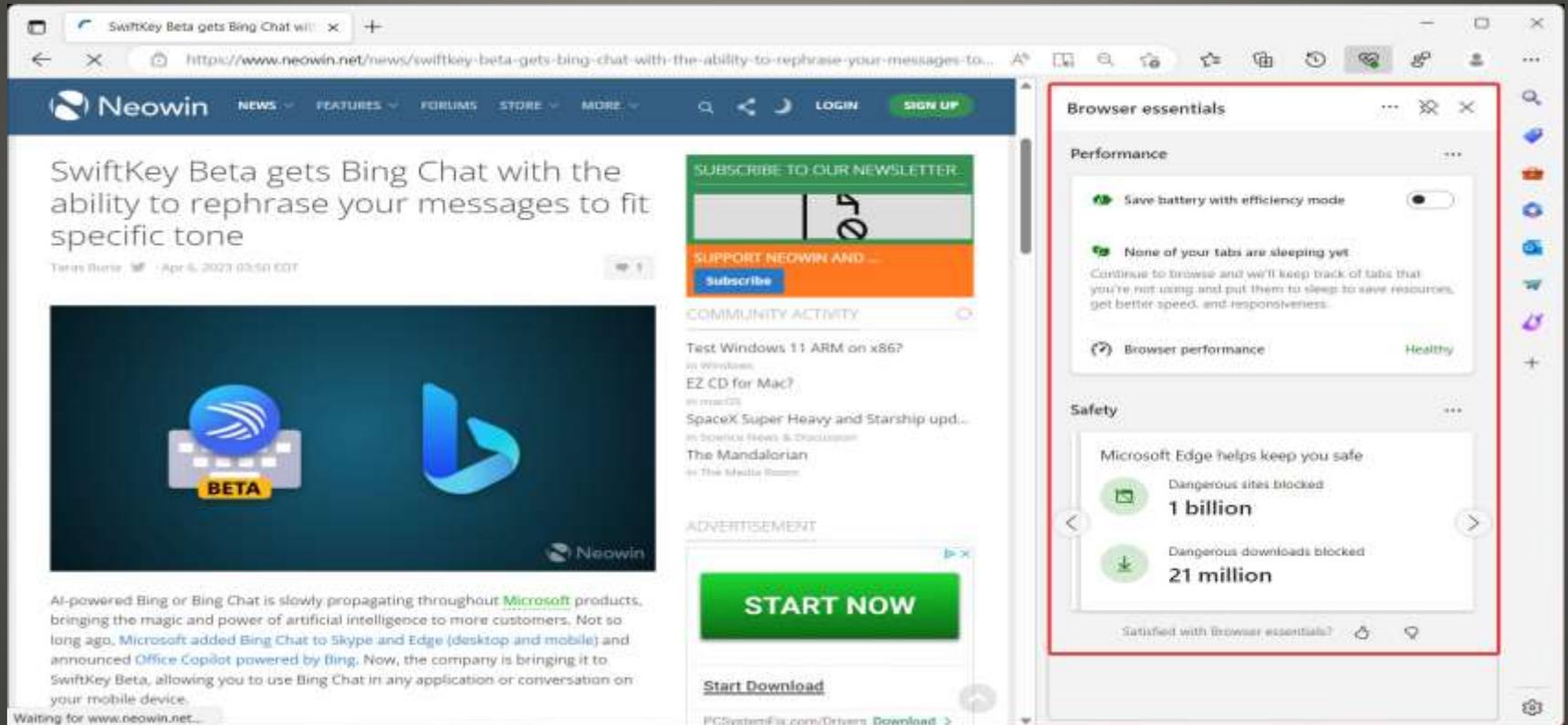




Edit Image



- Browser Essentials
Monitor performance and security



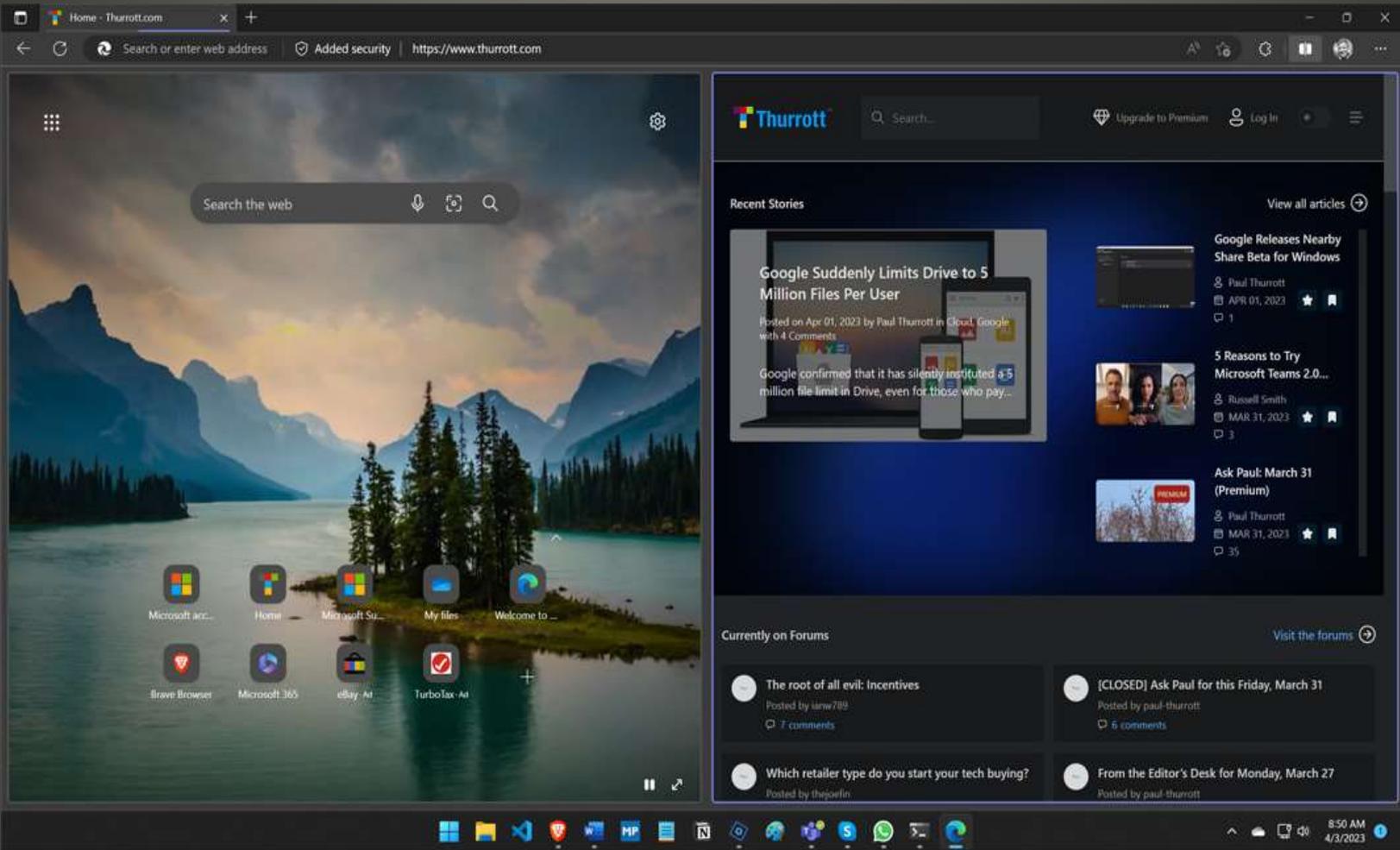
But wait, there is more ...



- Block autoplay videos
- `edge://settings/content/mediaAutoplay`

Edge

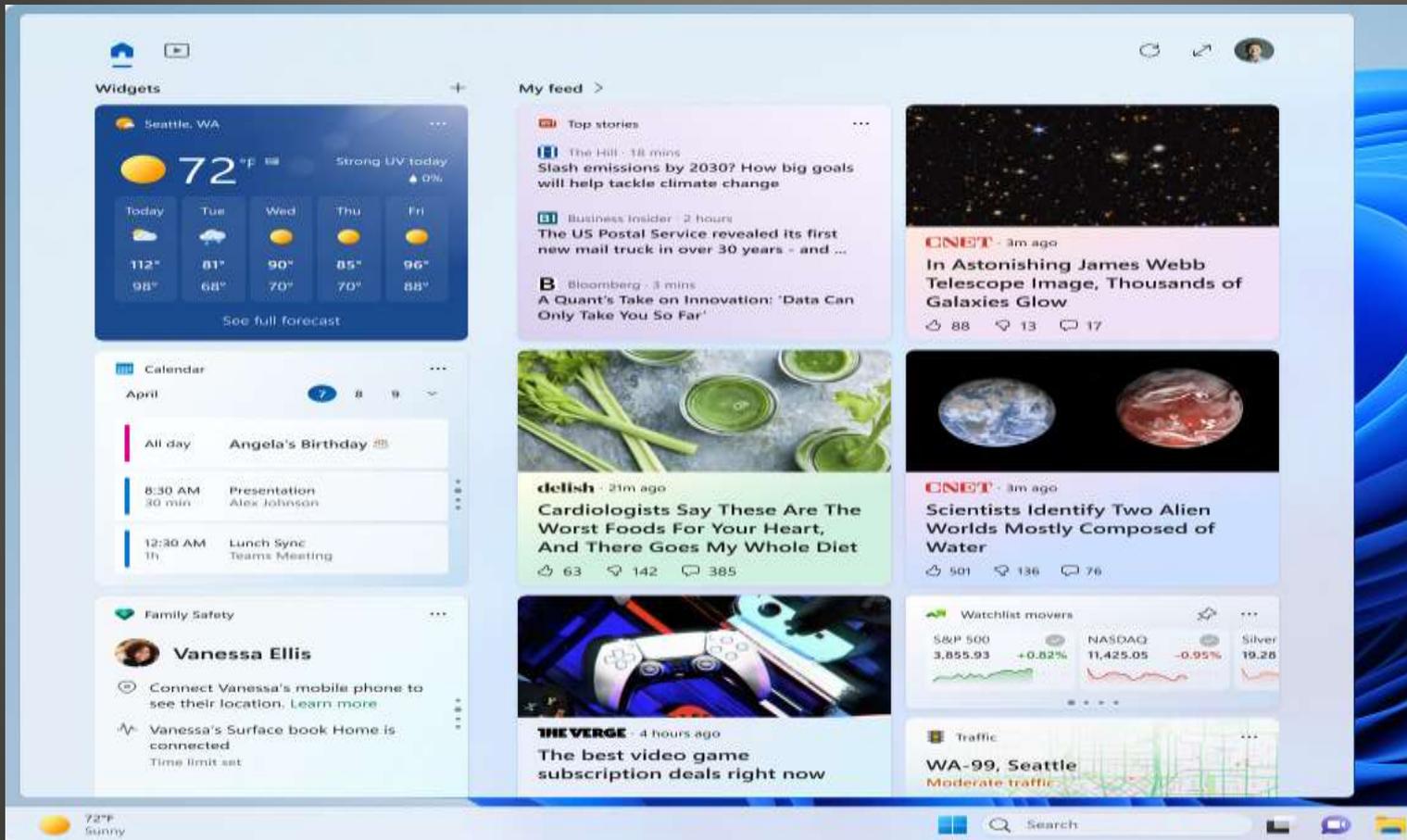




Edge Split Window



- Evolved Widgets Board



Windows future features



Settings

Cherie Yang
Cherie_Yang@outlook.com

Windows Update

You're up to date
Last checked: Today, 6:45 PM

Check for updates

Find a setting

- System
- Bluetooth & devices
- Network & internet
- Personalization
- Apps
- Accounts
- Time & language
- Gaming
- Accessibility
- Privacy & security
- Windows Update

More options

- Get the latest updates as soon as they're available
Be among the first to get the latest non-security updates, fixes, and improvements as they roll out. [Learn more](#) On
- Pause updates Pause for 1 week
- Update history >
- Advanced options
Delivery optimization, optional updates, active hours, other update settings >
- Windows Insider Program
Get preview builds of Windows to share feedback on new features and updates >

Windows Update is committed to helping reduce carbon emissions. [Learn more](#)

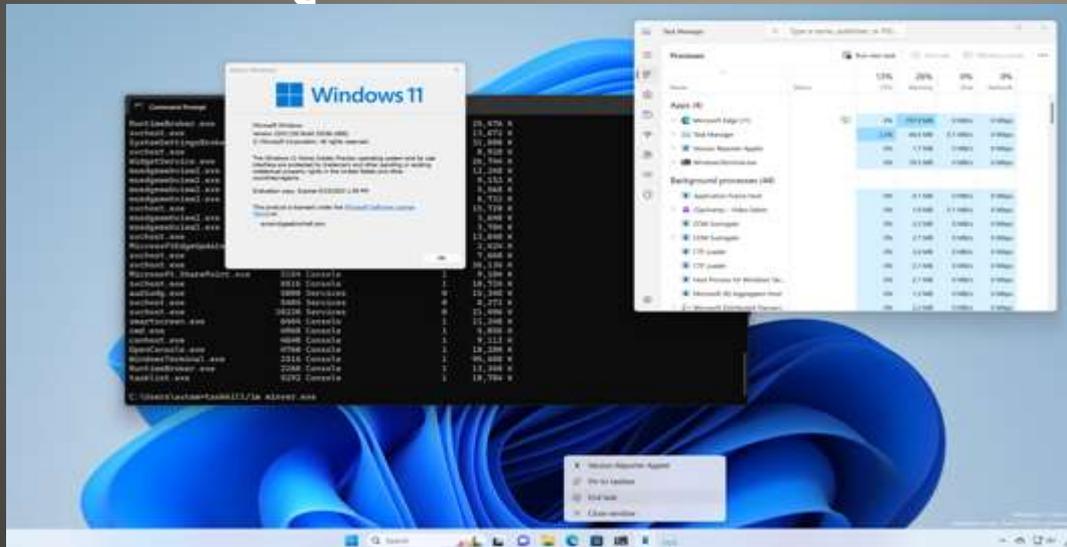
[Get help](#)

[Give feedback](#)

Windows Future Features



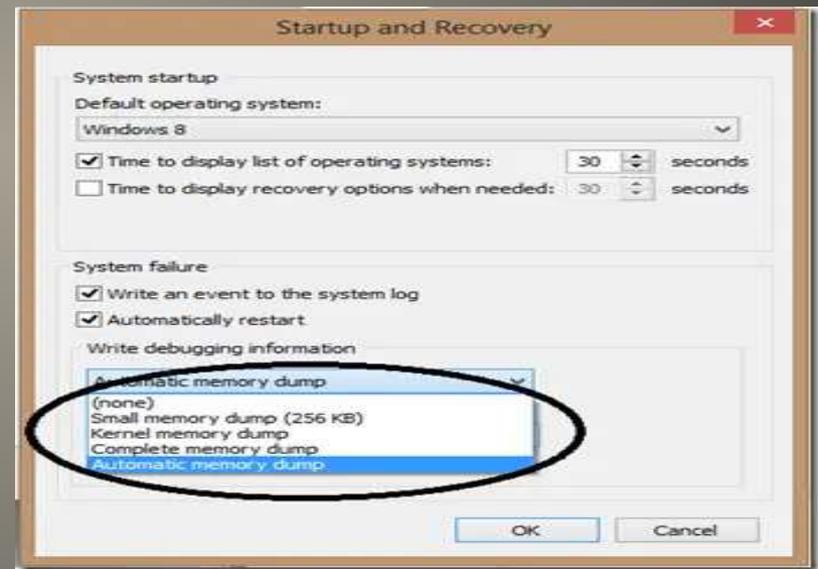
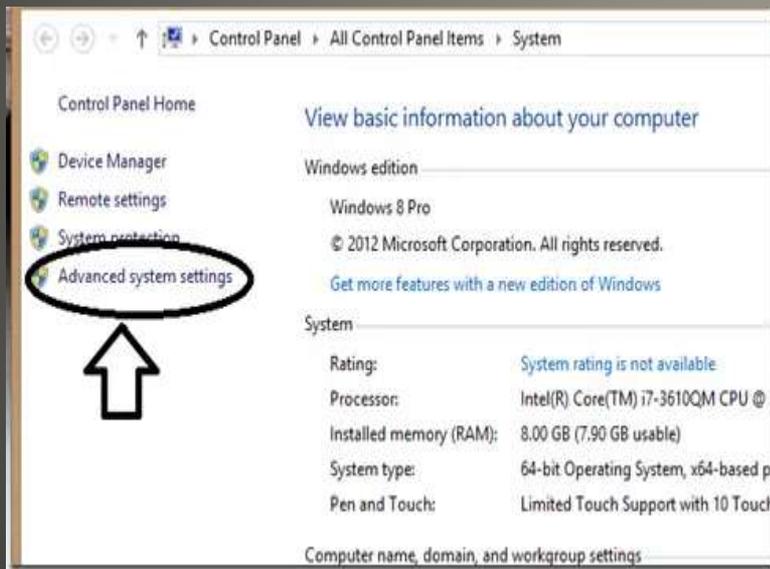
- Enhanced Phishing Protection
- Microsoft Defender SmartScreen
- Print Screen key PrtSc - Snipping Tool
- Google Nearby Share Windows PC Beta
- Force Quit from Taskbar



Windows Future Features



- Microsoft Store Install
- System Properties > Advanced > Startup and Recovery > Write debugging information > Complete memory dump



WinDBG



- WinDBG > Open Dump File
Analyze Call Stack
Identify crash cause

<https://www.msn.com/en-us/news/technology/how-to-troubleshoot-common-windows-10-issues-with-windbg>

WinDBG



- Avoid VM or Dual boot
- WSL 2
 - Access Linux Tools and utilities
 - Better performance – dedicated Linux kernel
 - Simple Setup
 - Integration with Windows
 - Enhanced Docker integration
 - Visual Studio Code

<https://www.msn.com/en-us/news/technology/how-to-set-up-vs-code-with-wsl-2-on-windows-10-and-11>

Windows Subsystem for Linux 

- Include cell video in email
OneDrive

Outlook features & futures



• Registry Preview

temp.reg - Registry Preview

Open file... Save file Save file as... Edit file... Reload from file Write to Registry...

Windows Registry Editor Version 5.00
; Turns off caps lock
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Cont
"Scancode Map"=hex:00,00,00,00,00,00,00,00,02,00,

;DOSKEY
[HKEY_CURRENT_USER\Software\Microsoft\Command Pro
"AutoRun"="%SystemDrive%\Utils\autorun.cmd"

; Hide icons 0 means show everything; 1 means aut
[HKEY_CURRENT_USER\Software\Microsoft\Windows\Cur
"EnableAutoTray"=dword:00000001

; Explorer, LaunchTo 1 is This PC, 2 is Home
[HKEY_CURRENT_USER\Software\Microsoft\Windows\Cur
"Hidden"=dword:00000001
"HideFileExt"=dword:00000000
"LaunchTo"=dword:00000002
"AutoCheckSelect"=dword:00000000
"NavPaneExpandToCurrentFolder"=dword:00000001
"DontUsePowerShellOnWinX"=dword:00000001
"ShowCortanaButton"=dword:00000000

HKEY_LOCAL_MACHINE
SYSTEM
CurrentControlSet
Control
Keyboard Layout
HKEY_CURRENT_USER

Name	Type	Value
Hidden	REG_DWORD	00000001
HideFileExt	REG_DWORD	00000000
LaunchTo	REG_DWORD	00000002
AutoCheckSelect	REG_DWORD	00000000
NavPaneExpandToCurrent	REG_DWORD	00000001

PowerToys



- ACCOUNT(S)
Local Account
Microsoft Account
ADMINISTRATOR

<https://sccocyber.blogspot.com/2017/01/administrator.html>

<https://sccocyber.blogspot.com/2020/02/windows-10-local-account-administrator.html>

Some Suggestions New PC



- BACKUP Media Creation Tool
- De-Bloat Manual Add or remove programs
Reset



Some Suggestions New PC



- Update Windows Apps .NET
Update
Update
- Setup Recovery
- Backup
- Transfer files
- Transfer Apps
- Multiple Browsers
- Backup old PC Remove Old Disk(s)

Some Suggestions New PC

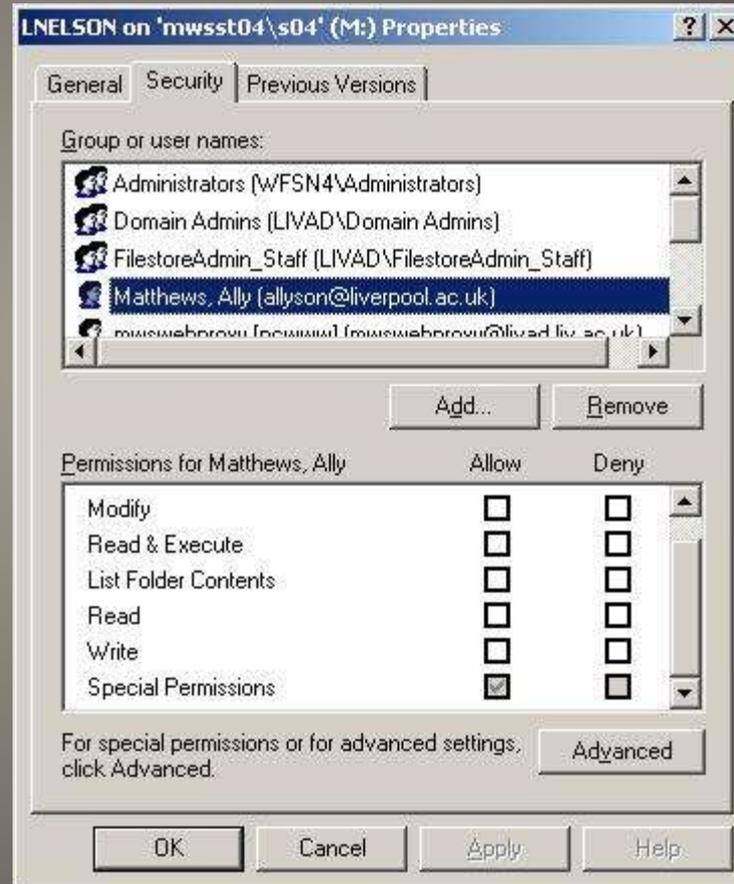


- BitLocker
- Other options

Disk Encryption



- OneDrive or Cloud storage
- File & Folder permissions
- ACLs & SID



Your Data



- File Transfer Utility
- External Drive
- Restoring backup from old PC
- Application specific files

Non-Cloud options



- 365 Copilot
- Microsoft Office

Microsoft 365



Task Manager

File Options View

Processes Performance App history Startup Users Details Services

Name	Status	6% CPU	68% Memory	17% Disk	0% Network	Power usage
> Slack (6)		0.1%	182.2 MB	0.1 MB/s	0 Mbps	Very low
> Kotatogram Desktop		0%	31.2 MB	0 MB/s	0 Mbps	Very low
> Phone Link (2)		0.3%	100.3 MB	0 MB/s	0 Mbps	Very low
> EpicGamesLauncher (7)		0.2%	483.1 MB	0.1 MB/s	0 Mbps	Very low
> EA (4)		0.1%	54.1 MB	0 MB/s	0 Mbps	Very low
> Adobe Content Synchronizer (32 bit)		0%	12.2 MB	0 MB/s	0 Mbps	Very low
> Service Host: DNS Client		0%	3.7 MB	0 MB/s	0 Mbps	Very low
> Service Host: Windows Push Notifications System Service		0%	2.2 MB	0 MB/s	0 Mbps	Very low
▼ Microsoft Word (3)		0%	134.8 MB	0 MB/s	0 Mbps	Very low
Document1 - Word		0%	80.3 MB	0 MB/s	0 Mbps	Very low
Artificial Intelligence (AI) Host for the Microsoft® Windows® Operat...		0%	9.6 MB	0 MB/s	0 Mbps	Very low
Artificial Intelligence (AI) Host for the Microsoft® Windows® Operat...		0%	44.9 MB	0 MB/s	0 Mbps	Very low
> Gaming Services (2)		0%	7.5 MB	0 MB/s	0 Mbps	Very low
Signal		0%	48.2 MB	0 MB/s	0 Mbps	Very low
Microsoft Windows Search Protocol Host		0%	1.3 MB	0 MB/s	0 Mbps	Very low
> Search		0%	0 MB	0 MB/s	0 Mbps	Very low
NVIDIA Share		0%	7.2 MB	0 MB/s	0 Mbps	Very low

⏪ Fewer details

End task

Processes

 Run new task

 End task

 Efficiency mode



Name	Status	CPU	Memory	Disk	Ne
Apps (2)					
Microsoft Word (10)		1.2%	207.6 MB	0 MB/s	
Artificial Intelligence (AI) ...		0%	48.7 MB	0 MB/s	
Artificial Intelligence (AI) ...		0%	8.3 MB	0 MB/s	
Crashpad		0%	0.9 MB	0 MB/s	
Microsoft Word		1.2%	94.8 MB	0 MB/s	
WebView2 GPU Process		0%	8.1 MB	0 MB/s	
WebView2 Manager		0%	21.1 MB	0 MB/s	
WebView2 Utility: Networ...		0%	4.0 MB	0 MB/s	
WebView2 Utility: Storage...		0%	2.7 MB	0 MB/s	
WebView2 Spare Renderer	Efficiency... 	0%	6.7 MB	0 MB/s	
WebView2: https://uci.ed...	Efficiency... 	0%	12.3 MB	0 MB/s	
Task Manager		13.4%	47.0 MB	0.1 MB/s	

- Microsoft® Word for Microsoft 365 MSO (Version 2302 Build 16.0.16130.20332) 64-bit
- Microsoft® Word for Microsoft 365 MSO (Version 2305 Build 16.0.16403.20000) 64-bit
- Today
- Microsoft® Word for Microsoft 365 MSO (Version 2305 Build 16.0.16407.20000) 64-bit

Microsoft Word



OFFICE16

New | Cut | Copy | Paste | Delete | Sort | View | ...

← → ▾ ↑ Microsoft Office > root > vfs > ProgramFilesCommonX64 > Microsoft Shared > OFFICE16 > Search OFFICE16

> John - Personal

Name	Date modified	Type	Size
ADALPREVIOUS.DLL	4/18/2021 11:06 PM	Application extension	1,817 KB
ai.dll	2/14/2023 1:24 PM	Application extension	14,007 KB
ai	2/14/2023 1:24 PM	Application	714 KB
aimgr	2/14/2023 1:24 PM	Application	162 KB
AirSpace.Etw.man	5/3/2021 4:56 PM	MAN File	422 KB
AIRWER.DLL	1/12/2023 3:37 PM	Application extension	83 KB

109 items



- Word

Formatting, rewriting, improvement suggestions

- Excel

Complex data

Office 365 Copilot





Document1 · Saved ▾



File **Home** Insert Layout References Review View Help



Aptos (Body) ▾

11 ▾

B

I

U ▾



Create content with Copilot



draft a proposal from yesterday's  meeting notes|



Clipboard Paste Font Paragraph Styles Editing Copilot Dictate Transcribe Read Aloud Editor

Calibri (Body) 11 B I U X₂ X₁ A_o A⁺ A⁻



What do you want to do (B...)

Welcome to Copilot

A new way to work smarter and faster. This private preview is for select Microsoft 365 enterprise customers.

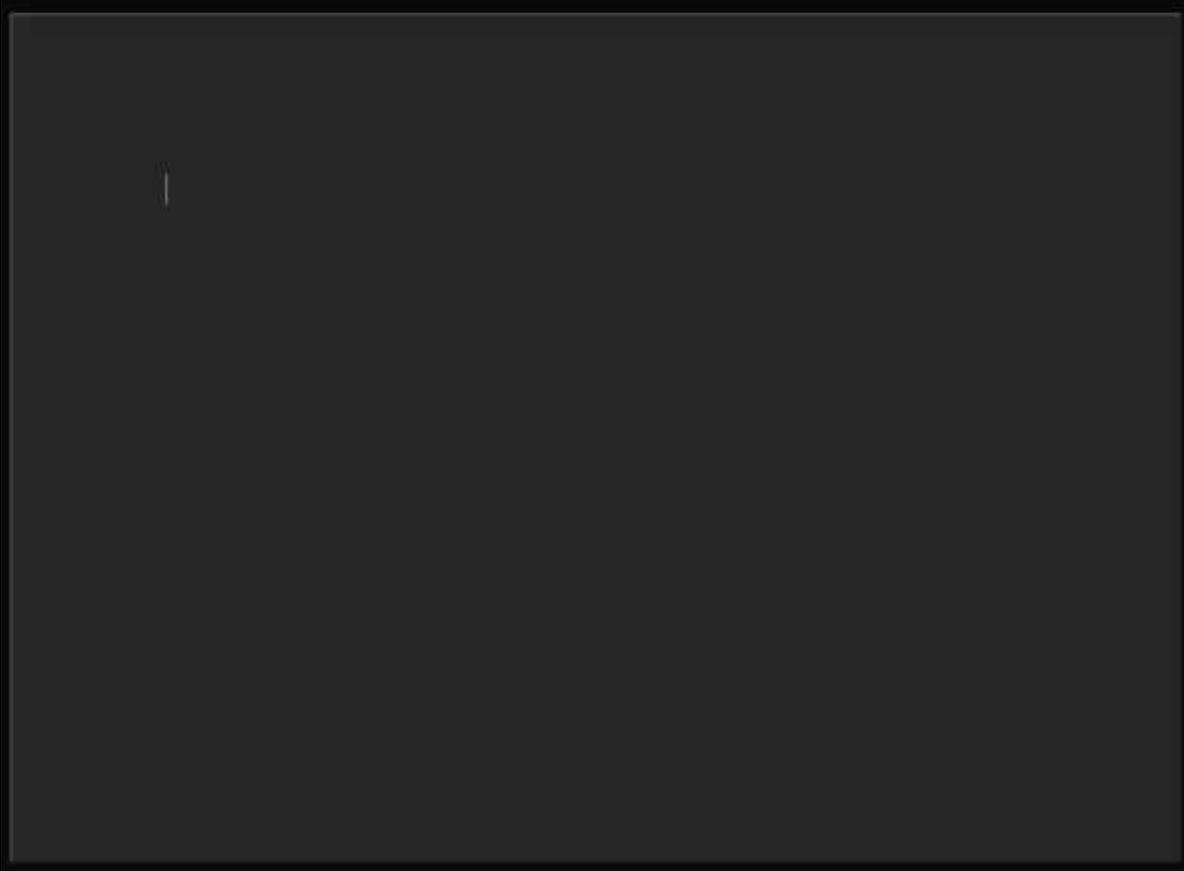
[Learn More](#) [Dismiss](#) < 1 of 3 >

Type what you want to do

Content is generated by AI and might contain inaccuracies or sensitive material. Be sure to verify information.

[Help](#)

Clipboard Paste Calibri (Body) 11 Font Paragraph Styles Editing Copilot Dictate Transcribe Read Aloud Editor



What do you want to do (B...

Things I can help with:

- Suggesting or rewriting content for your word
- Finding the right image
- Taking care of formatting details

[Learn More](#) [Dismiss](#) < 2 of 3 >

Type what you want to do

Content is generated by AI and might contain inaccuracies or sensitive material. Be sure to verify information.

[Help](#)

Clipboard Paste Calibri (Body) 11 Font Paragraph Styles Editing Copilot Dictate Transcribe Read Aloud Editor



What do you want to do (B... ✕

Example to try:

- Generate Summary From Document
- Open Writers UnBlock Dialog
- Show Editor PaneAI Feedback Skittle Launch

[Learn More](#) [Dismiss](#) < 3 of 3 >

Type what you want to do



Content is generated by AI and might contain inaccuracies or sensitive material. Be sure to verify information.

[Help](#)

- None of us are as experienced as all of us
- Awareness, Preparedness, Understanding
- Participate
- Topic Suggestions
- Questions: scccwindows@gmail.com

