

Sun City Computer Club

Windows SIG

June 11, 2024

**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?
- SIG leader – Apple SIG
- Topic Suggestions – plea(se)
- Your suggestions future presentations
- In person meetings carbon footprint Inclusion
- Computer Club Vimeo Account
- CA Vimeo Account

Windows Update



Updates available

Last checked: Today, 12:26 PM

Windows Malicious Software Removal Tool x64 - v5.125 (KB890830)

Status: Downloading - 0%

2024-06 Cumulative Update for Windows 10 Version 22H2 for x64-based Systems (KB5039211)

Status: Downloading - 0%

[View optional updates](#)

Windows 10 Patch Tuesday

- Versions 20H2, 21H2, 22H2

Windows 10

Windows Update



Updates available

Last checked: Today, 12:19 PM

Install all

Windows Malicious Software Removal Tool x64 - v5.125 (KB890830)

Installing - 0%

2024-06 Cumulative Update for Windows 11 Version 23H2 for x64-based Systems (KB5039212)

Downloading - 0%

Windows 11 Patch Tuesday

- 21H2, 22H2, 23H2
- Not 24H2

Windows 11 Versions

• Windows 10 vs Windows 11

Windows 11 vs. Windows 10 Windows 11 Home vs. Pro

Windows 11

Windows 10

**+* denotes a feature is enhanced in Windows 11*

New UI

Windows 11 is easier on the eyes and easier to use. We took the best elements of Windows 10 and refined them to create a soothing place to work and play.

Not available on Windows 10

Touchscreen +

While Windows 10 worked well with touch inputs¹, Windows 11 was designed with them in mind for a true mouse-less or keyboard-less experience.

Touchscreen

Windows 10 includes touch inputs¹ for a mouse-less or keyboard-less experience.

Search +

The Search bar in Windows 11 is in a new, easy-to-find location. Located in the Start Menu, it can find what you can't, including files, apps, or anything you want online.²

Search

Search on Windows 10 can find whatever you can't, including files, apps, or anything you want online.²

Widgets

Widgets are new for Windows 11. They'll help you stay up to date with all the things you need to keep tabs on, like schedules, weather, stocks, sports—even celebrity gossip.

Widgets

Although Widgets aren't available on Windows 10, you can reference News & Interests, which connects to the Microsoft newsfeed. It does not have additional app or widget integrations.

Windows 11 vs Windows 10

- Microsoft Copilot Plus PC
Recall
Local tool
search and retrieve content you've interacted with
Opt-in required NPU

Current Issues

- 58 Vulnerabilities
- 1 Critical
- 48 Important

Microsoft Patch Tuesday June

- Microsoft Windows 11 Copilot+ laptop PCs
- Content you have viewed on your device
- Language aware searches 160 languages
- Text-to-Text
- Linux command history Windows 10 Timeline 2021
- AI + Machine Learning

=====

Copilot+ with advanced processing capabilities

Active images of screen every few seconds

Encrypted and saved to hard drive 50GB available

Scroll through snapshots -> Select -> Interact

Helpful <-> Harmful

Recall Settings Control

Edge InPrivate sessions DRM protections

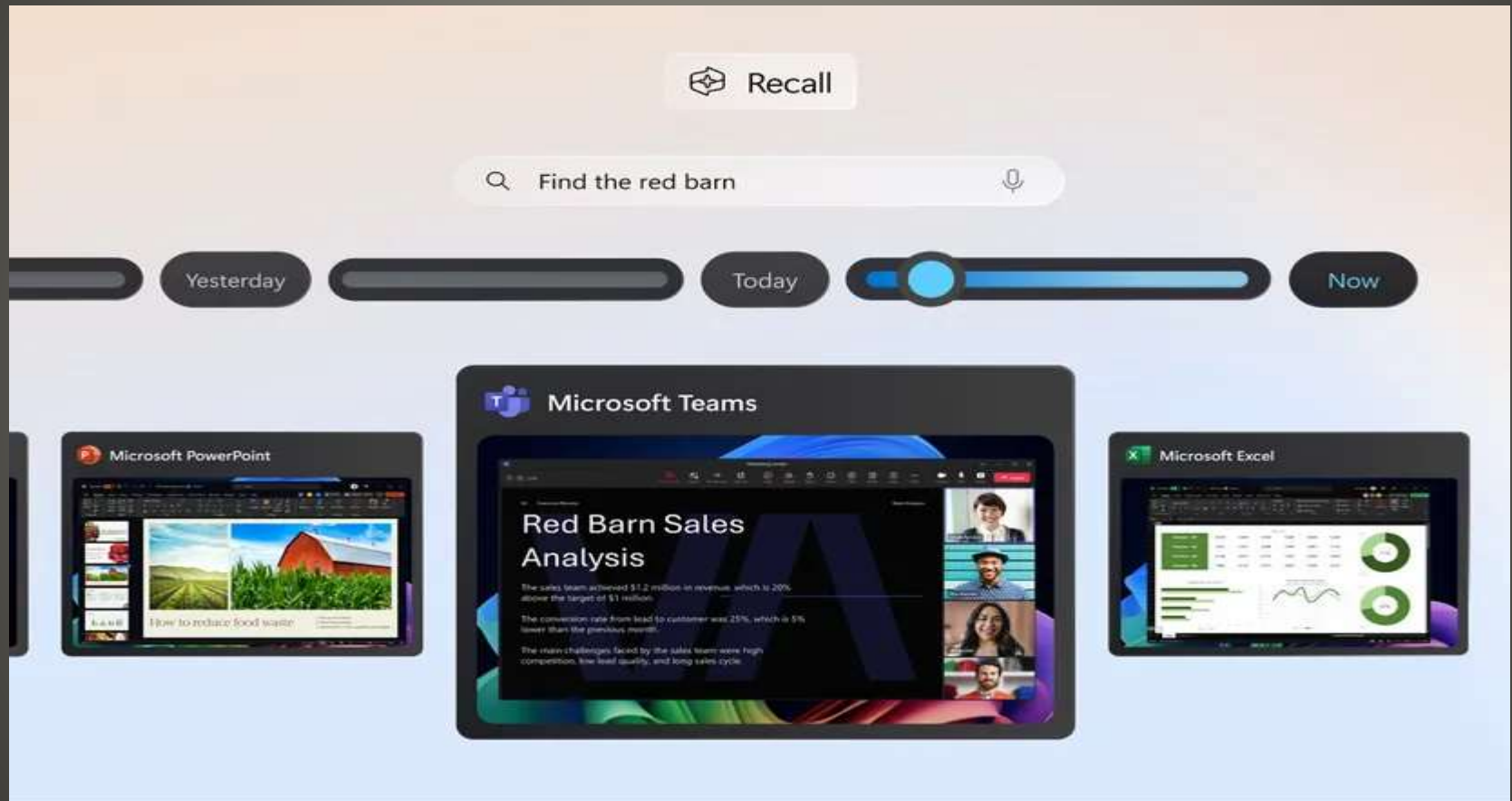
BUT no content moderation "Show Password" Account Numbers

Microsoft Recall

- 16GB RAM
- 40+ TOPS NPU
- Qualcomm Snapdragon X Plus
- Qualcomm Snapdragon X Elite
- ARM
- Recall
- Cocreator Start in Paint + AI
- Cocreator existing photo / image change style
- Studio Effects app
- Live captions 40 languages
- Gaming with Automatic Super Resolution
- Copilot runtime
- Semantic Index
- Adobe Photoshop, Lightroom, Express

Copilot+ PCs

- Encrypted – Associated profile - local hard disk
- Videos -> transcribed & translated speech



Microsoft Recall

- End-to-End encrypted messages GOT IT
- Disappearing messages GOT It
- Grandma got run over by a reindeer GOT IT

- If Recall can search
- TotalRecall

- Off by default?

- Windows Hello
- Just-in-time decryption

Microsoft Recall

Name	Type	Schema
Tables (20)		
App	CREATE TABLE	"App" ("Id" INTEGER PRIMARY KEY, "WindowsAppId" TEXT UNIQUE NOT NULL COLLATE NOCASE, "Name" TEXT NOT NULL COLLATE NOCASE, "Path" TEXT NOT NULL COLLATE NOCASE)
AppDwellTime	CREATE TABLE	"AppDwellTime" ("Id" INTEGER PRIMARY KEY, "WindowsAppId" TEXT NOT NULL COLLATE NOCASE, "HourOfDay" INTEGER NOT NULL)
File	CREATE TABLE	"File" ("Id" INTEGER PRIMARY KEY, "Path" TEXT UNIQUE NOT NULL COLLATE NOCASE, "Extension" TEXT NOT NULL COLLATE NOCASE, "Kind" TEXT NOT NULL COLLATE NOCASE)
IdTable	CREATE TABLE	"IdTable" ("NextId" INTEGER NOT NULL)
ScreenRegion	CREATE TABLE	"ScreenRegion" ("Id" INTEGER PRIMARY KEY, "WindowCaptureId" INTEGER NOT NULL, "RegionKind" TEXT NOT NULL COLLATE NOCASE, "X" INTEGER NOT NULL, "Y" INTEGER NOT NULL, "Width" INTEGER NOT NULL, "Height" INTEGER NOT NULL)
Topic	CREATE TABLE	"Topic" ("Id" INTEGER PRIMARY KEY, "Title" TEXT UNIQUE NOT NULL COLLATE NOCASE, "Content" TEXT NOT NULL COLLATE NOCASE)
Web	CREATE TABLE	"Web" ("Id" INTEGER PRIMARY KEY, "Domain" TEXT NOT NULL COLLATE NOCASE, "Uri" TEXT NOT NULL COLLATE NOCASE, "IsProcessed" INTEGER NOT NULL)
WebDomainDwellTime	CREATE TABLE	"WebDomainDwellTime" ("Id" INTEGER PRIMARY KEY, "Domain" TEXT, "HourOfDay" INTEGER NOT NULL)
WindowCapture	CREATE TABLE	"WindowCapture" ("Id" INTEGER PRIMARY KEY, "Name" TEXT NOT NULL, "ImageToken" TEXT NOT NULL COLLATE NOCASE, "IsProcessed" INTEGER NOT NULL)
WindowCaptureAppRelation	CREATE TABLE	"WindowCaptureAppRelation" ("WindowCaptureId" INTEGER NOT NULL, "AppId" INTEGER NOT NULL)
WindowCaptureFileRelation	CREATE TABLE	"WindowCaptureFileRelation" ("WindowCaptureId" INTEGER NOT NULL, "FileId" INTEGER NOT NULL)
WindowCaptureTextIndex		
WindowCaptureTextIndex_config	CREATE TABLE	"WindowCaptureTextIndex_config"(k PRIMARY KEY, v) WITHOUT ROWID
WindowCaptureTextIndex_content	CREATE TABLE	"WindowCaptureTextIndex_content"(id INTEGER PRIMARY KEY, c0, c1, c2)
WindowCaptureTextIndex_data	CREATE TABLE	"WindowCaptureTextIndex_data"(id INTEGER PRIMARY KEY, block BLOB)
WindowCaptureTextIndex_docsize	CREATE TABLE	"WindowCaptureTextIndex_docsize"(id INTEGER PRIMARY KEY, sz BLOB)
WindowCaptureTextIndex_idx	CREATE TABLE	"WindowCaptureTextIndex_idx"(segid, term, pgno, PRIMARY KEY(segid, term)) WITHOUT ROWID
WindowCaptureTopicRelation	CREATE TABLE	"WindowCaptureTopicRelation" ("WindowCaptureId" INTEGER NOT NULL, "TopicId" INTEGER NOT NULL)
WindowCaptureWebRelation	CREATE TABLE	"WindowCaptureWebRelation" ("WindowCaptureId" INTEGER NOT NULL, "WebId" INTEGER NOT NULL)
_MigrationMetadata	CREATE TABLE	"_MigrationMetadata" ("Id" INTEGER NOT NULL UNIQUE, "Version" INTEGER NOT NULL, "Timestamp" INTEGER NOT NULL)
Indices (22)		
idx_app_name	CREATE INDEX	idx_app_name ON App(name)
idx_app_path	CREATE INDEX	idx_app_path ON App(Path)
idx_app_windowsappid	CREATE INDEX	idx_app_windowsappid ON App(WindowsAppId)
idx_appdwelltime_windowsappid_hour...	CREATE INDEX	idx_appdwelltime_windowsappid_hourstarttimestamp ON AppDwellTime(WindowsAppId, HourOfDay)
idx_file_extension	CREATE INDEX	idx_file_extension ON File(Extension)
idx_file_kind	CREATE INDEX	idx_file_kind ON File(Kind)
idx_file_name	CREATE INDEX	idx_file_name ON File(Name)
idx_file_path	CREATE INDEX	idx_file_path ON File(Path)
idx_file_type	CREATE INDEX	idx_file_type ON File(Type)
idx_screenregion_kind	CREATE INDEX	idx_screenregion_kind ON ScreenRegion(RegionKind)
idx_screenregion_windowcaptureid	CREATE INDEX	idx_screenregion_windowcaptureid ON ScreenRegion(WindowCaptureId)
idx_topic_title	CREATE INDEX	idx_topic_title ON Topic(Title)
idx_web_domain	CREATE INDEX	idx_web_domain ON Web(Domain)
idx_web_uri	CREATE INDEX	idx_web_uri ON Web(Uri)
idx_webdomaindwelltime_domain_ho...	CREATE INDEX	idx_webdomaindwelltime_domain_hourstarttimestamp ON WebDomainDwellTime(Domain, HourOfDay)
idx_windowcapture_isprocessed	CREATE INDEX	idx_windowcapture_isprocessed ON WindowCapture(IsProcessed)
idx_windowcapture_name_timestamp	CREATE INDEX	idx_windowcapture_name_timestamp ON WindowCapture(Name, TimeStamp)
idx_windowcapture_timestamp	CREATE INDEX	idx_windowcapture_timestamp ON WindowCapture(TimeStamp)
idx_windowcaptureapprelation_rel	CREATE INDEX	idx_windowcaptureapprelation_rel ON WindowCaptureAppRelation(AppId, WindowCaptureId)
idx_windowcapturefilerelation_rel	CREATE INDEX	idx_windowcapturefilerelation_rel ON WindowCaptureFileRelation(FileId, WindowCaptureId)
idx_windowcapturetopicrelation_rel	CREATE INDEX	idx_windowcapturetopicrelation_rel ON WindowCaptureTopicRelation(TopicId, WindowCaptureId)
idx_windowcapturewebrelation_rel	CREATE INDEX	idx_windowcapturewebrelation_rel ON WindowCaptureWebRelation(WebId, WindowCaptureId)
Views (0)		
Triggers (1)		
trigger_windowcapture_before_delete	CREATE TRIGGER	trigger_windowcapture_before_delete BEFORE DELETE ON "WindowCapture" BEGIN

Mode: Text

1

Type of data currently in cell
 Size of data currently in table

Identity: Select an identity to connect

DBHub.io Local Current Database

Name	Last

	id	c0	c1	c2
	Filter	Filter	Filter	Filter
1	1	2	Run	NOX2
2	2	15	Program Manager	NOX2
3	3	22	Notepad	NOX2
4	4	26	*Untitled - Notepad	NOX2
5	5	29	Task Manager	NOX2
6	6	35	Quick Settings	NOX2
7	7	39	Quick settings	NOX2
8	8	46	Settings	NOX2
9	9	69	Quick settings	NOX2
10	10	76	Recall (preview)	NOX2
11	11	300	Search	NOX2
12	12	307	Start	NOX2
13	13	325	Untitled - Notepad	NOX2
14	14	326	*Microsoft.ECApp_10.0.26100.1_neutra - Notepad	NOX2
15	15	400	*Microsoft.ECApp_10.0.26100.1_neutra - Notepad	NOX2
16	16	400	NOX2	- x + File Edit View Microsoft, ...
17	17	417	*Untitled - Notepad	NOX2
18	18	418	*setupact - Notepad	NOX2
19	19	424	Task Manager	NOX2
20	20	424	NOX2	X Q Type a name, publisher, or PID ... End task, ...

Privacy & security > Recall & snapshots

Snapshots

Find a setting

System

Bluetooth & devices

Network & internet

Personalization

Apps

Accounts

Time & language

Gaming

Accessibility

Privacy & security

Windows Update

Save snapshots

Let Windows take snapshots of your screen and save them on your PC. [Learn more](#)

On



Storage

Snapshots are stored on your PC to help keep them secure

3.71 MB ^

Maximum storage for snapshots

When you reach this limit, your oldest snapshots will be deleted to make room for new ones

50 GB v

View system storage

See how snapshot storage compares to other data categories



Delete snapshots

You can delete snapshots within a time range or delete all snapshots



Delete snapshots from a specific timeframe

Past hour

Delete snapshots

Past 24 hours

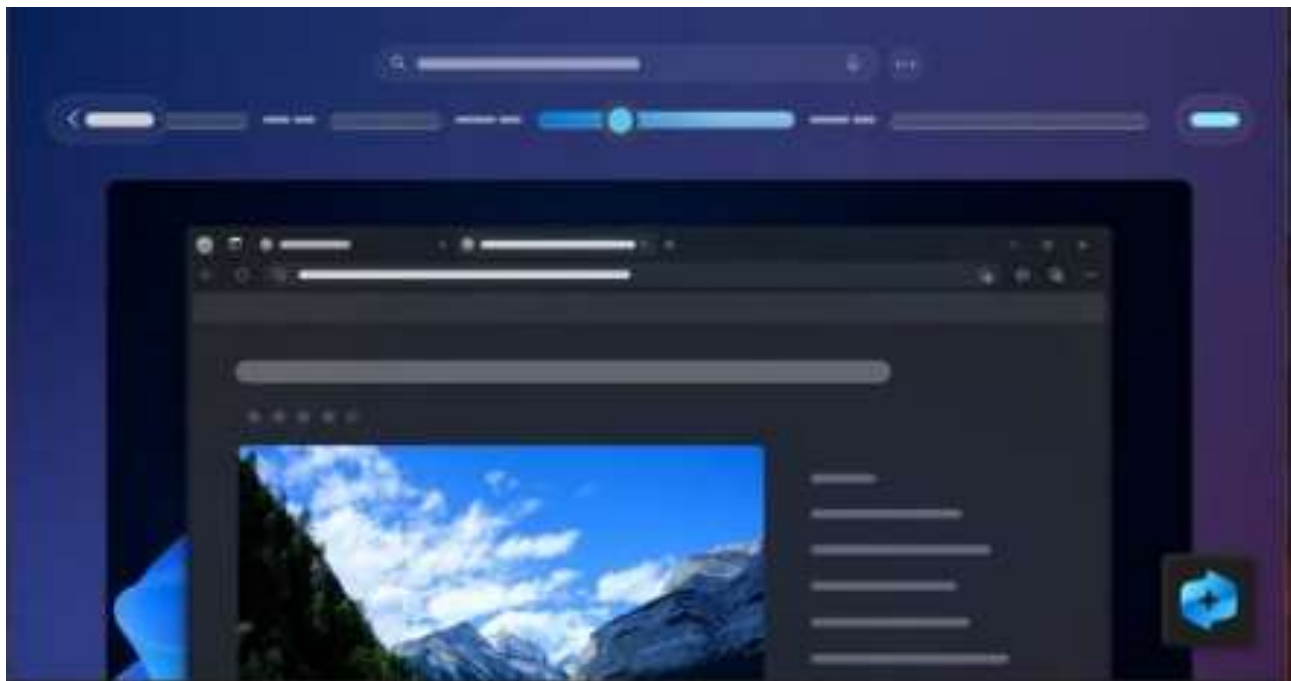
Past 7 days

Past 30 days

Delete all snapshots

Delete all

Filter lists



Find things you've seen with Recall (preview)

Scroll through your timeline, or select the search box and describe something you're looking for—including documents, images, websites, and more.

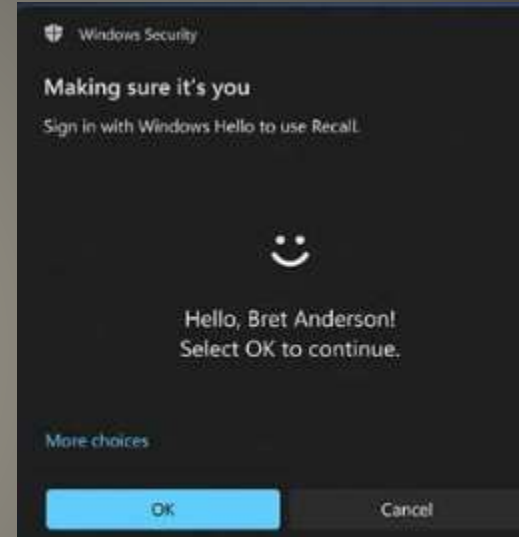
Remember, mistakes are possible with AI, so check results and send us feedback.

Not now

...

Next

- Opt-out -> Opt-In
- Proof of Presence to view timeline & Search in Recall
- Windows Hello to enable
- Just-in-Time decryption
- 18-June-2024



Microsoft Recall

Quickly find things you've seen with Recall

Recall (preview) helps you find things you've seen on your PC when you allow Windows to save snapshots of your screen every few seconds.



Find documents, images, websites, and more

Just describe what you're looking for using everyday words or scroll through the timeline to see your snapshots.



Snapshots stay on your PC with built-in security

You get powerful AI right on your encrypted Copilot+ PC with Recall. Microsoft does not have access to your snapshots.



You're always in control

In Settings, you can choose which apps and websites to filter out of your snapshots. You can also delete snapshots or change your preferences anytime.

Allow Windows to save snapshots of your screen?

[Learn more](#)

No, don't save

Yes, save

Recall

Windows 11 Recall

10:13 PM

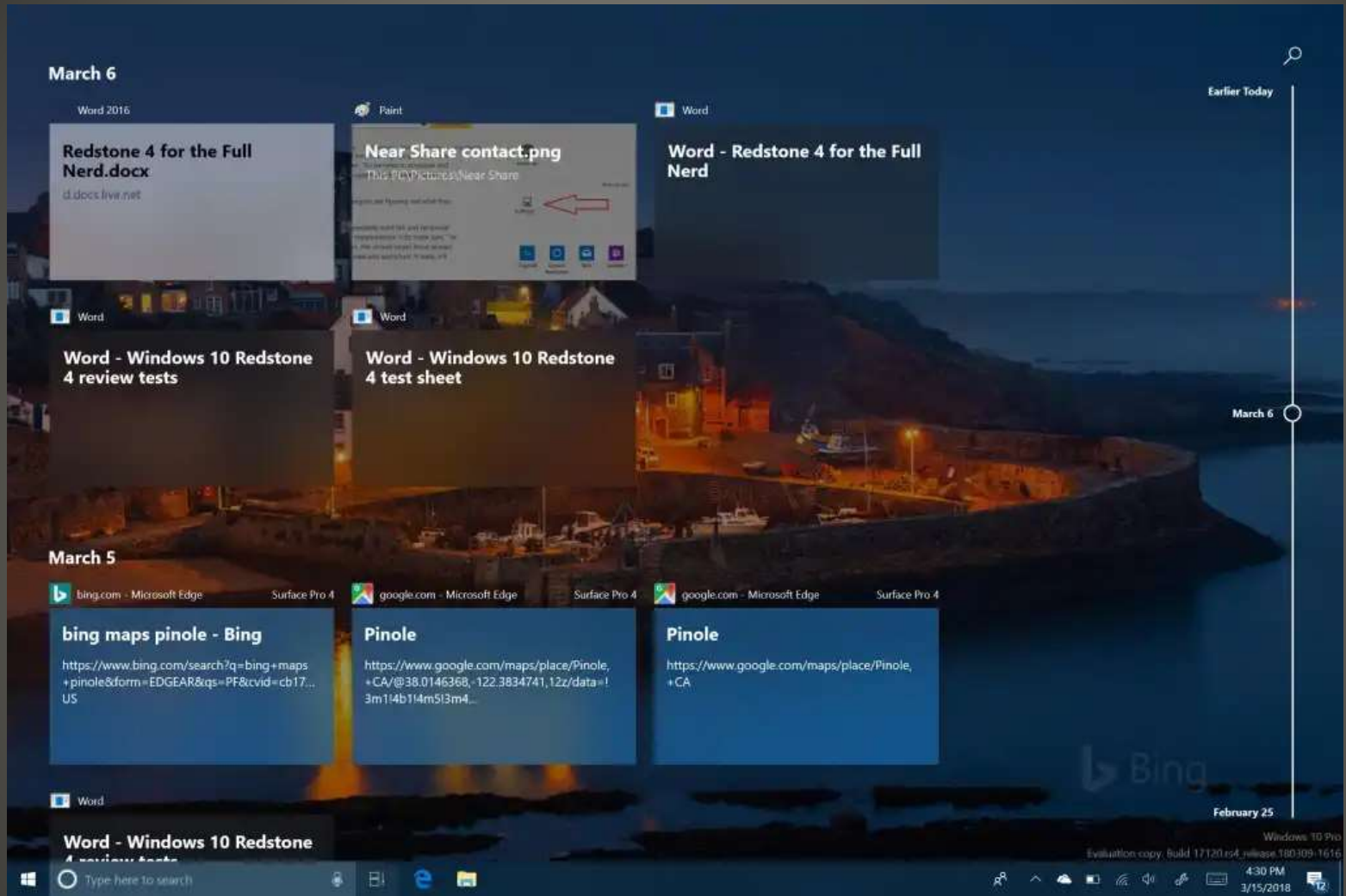
Yesterday

Today



- Open-Source Recall equivalent
- Cross Platform Windows, Linux, macOS
- OpenRecall captures your digital history through regularly taken snapshots, which are essentially screenshots. The text and images within these screenshots are analyzed and made searchable, allowing you to quickly find specific information by typing relevant keywords into OpenRecall. You can also manually scroll back through your history to revisit past activities.
- If Microsoft recall gives you pause ...
- A third party

OpenRecall



Windows 10 Timeline

- Copilot Plus PCs
Most powerful PCs in the world
- Recall local tool
Keeps tabs on everything you do for search & recall
Helpful <-> Harmful
- Copilot settings suggestions, edit files, write responses
- CPT-40
- Snapdragon X Elite and Plus chips
- OLED display option
- Haptic touchpad

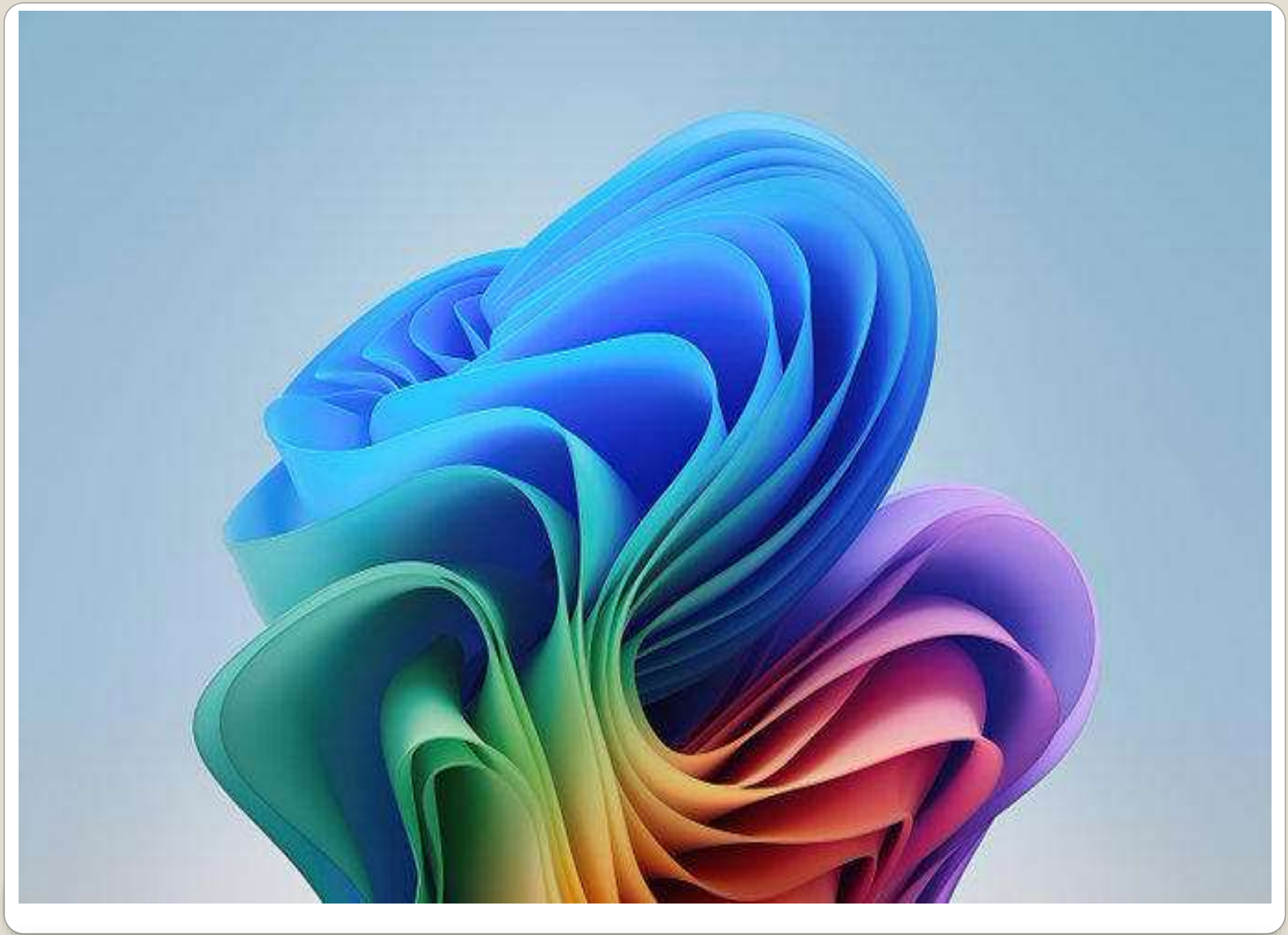
Microsoft Surface Event

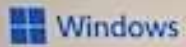
- Why not both? Fit for Purpose
- Expiry and password-protected links
Password available to Microsoft
- Personal Vault
- Better PDF editor
- Biometric support on Android
- Photo editing tools
- AI arms race

OneDrive vs Google Drive

- October 2025
- End of un-paid support
- Cost of paid support?
- AI features

Windows 10





A new journey with Windows

We want to thank you for your loyalty as a Windows 10 customer. As end of support for Windows 10 approaches, we're here to support you on your PC journey.

Your PC is not eligible to upgrade to Windows 11, but it will continue to receive Windows 10 fixes and security updates until support ends on October 14, 2025.

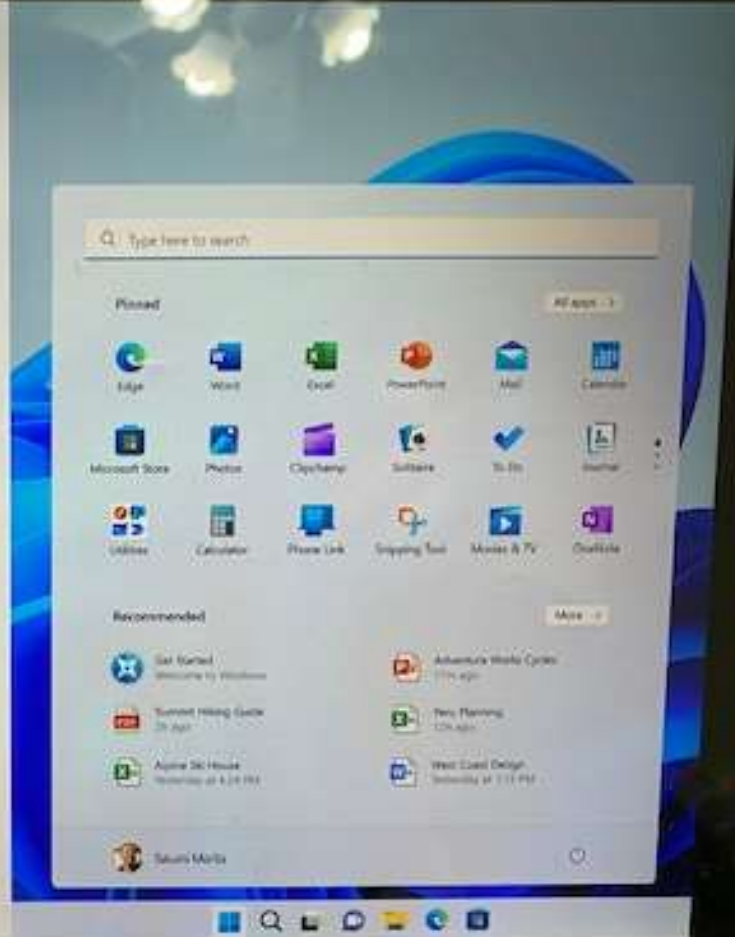
Learn more about how you can prepare for the transition to Windows 11.

Learn about end of support

Why Windows 11?

Personal use only

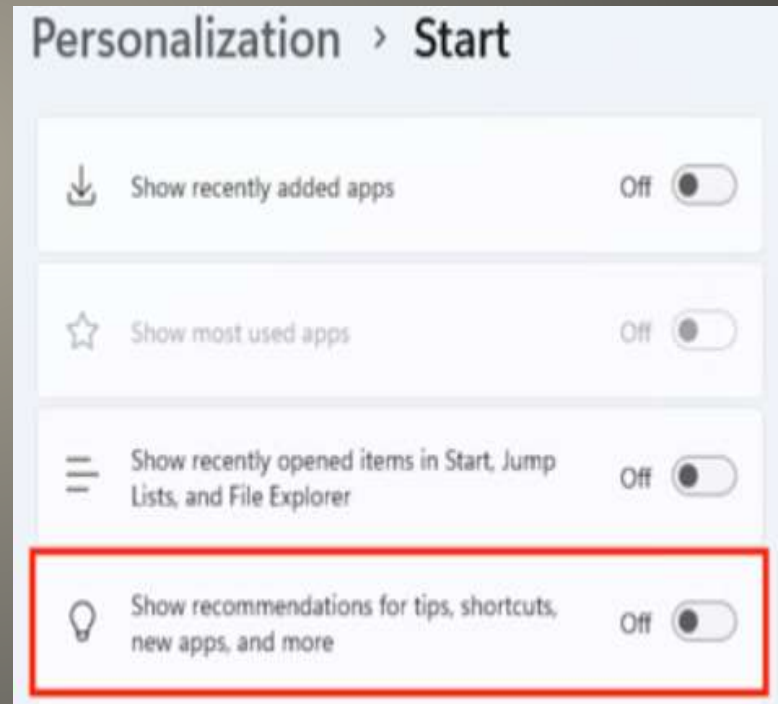
Learn more



Windows End of Support

- [End of Support for Windows 10, Windows 8.1, and Windows 7](#)
- Frequently Asked Questions
- Learn About Windows 11
- Compare Windows 10 & 11
- Transfer data to your New Windows 11 PC
- Shop for your new Windows 11 PC
- Your Windows 10 PC

- Microsoft pause Windows 11 24H2 Release Preview channel
UPDATE 6/7: We are temporarily pausing the rollout of Windows 11, version 24H2 to the Release Preview Channel. We will resume the rollout in the coming weeks.
- Windows 10 U-turn? Windows 10 Beta channel
Maximize value of Windows 10 “revisit” decision beyond 22H2
October 18, 2022
Revenue stream?
- Windows 11 Start Menu Ads



- CPU & TPM
- Force Windows 11
- Linux
- ChromeOS Flex
- Extended Support payment
- Alternative security patching
- Run to fail

Windows 10 PCs

- Microsoft Universal Windows Platform
Windows App SDK (Software Development Kit)
Better imaging
AI boosts

Microsoft App Store Updates

Windows 11 Photos App

- Home
- Apps
- Gaming
- Arcade
- Entertainment
- AI Hub
- What's New
- Library

Home

Save big on games and entertainment

Deals Unlocked. Ends 6/17.



[See details](#)


Included with Game Pass


Pre-Order \$69.99

Call of Duty®: Black Ops 6

[See details](#)

Top free apps >

 **WhatsApp**
4.2 ★ Free

 **Windows Scan**
3.4 ★ Free

Available with Game Pass





Home



Apps



Gaming



Arcade



Entertainment



AI Hub



What's New





















Library

Updates & downloads (6)

Download and install app updates by clicking "Get updates"

Update all

Get updates

	Windows App Microsoft Corporation	10.22 MB of 10.22 MB downloaded		
	Xbox Identity Provider Microsoft Corporation	Installing		
	Windows Camera Microsoft Corporation	216.9 KB of 3.75 MB downloaded		
	Windows Calculator Microsoft Corporation	Pending		
	Microsoft Photos Microsoft Corporation	Pending		
	Microsoft News Microsoft Corporation	Update available		

- Six Strix Point Ryzen AI 300 chips
- No new drivers
- Zen 5 processors continued support
- 4 Ryzen 9000-series also Windows 10 support
- Windows 10 67% Windows 11 28.3% Windows 7 0.43%

AMD drops Windows 10 support

- Command Prompt
- Terminal/Console
- conhost
- Tabs
- Profiles putty
- Visuals
- Emojis
- <https://www.youtube.com/watch?v=8gw0rXPMMPE>

Windows 11 New Terminal

Your Experiences/Tips/Input?

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

