



Microsoft

Monthly Technical Briefing

SEPTEMBER 2023



Abbas Kudrati

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Abbas.Kudrati@microsoft.com

<https://aka.ms/abbas> (new)

Microsoft

- [Microsoft Power Platform Conference 2023](#)
- [Microsoft Ignite 2023](#)
- [Microsoft and OpenAI Announcements](#)
- [Microsoft Tech Community Blog depot](#)
- [Microsoft Official Blog](#)
- [TechCommunity Events](#)
- [Microsoft Technical Documentation Hub](#)



Announcements and Tips

- [Microsoft Global Threat Monitor](#)
- [Microsoft Security Blog](#)
- [Microsoft Security Response Center](#)
- [Security, Compliance and Identity Blog](#)



Security and Compliance

- [Office Updates](#)
- [Teams Updates](#)
- [Viva Updates](#)
- [Power Platform and Dynamics](#)
- [Power Platform Templates](#)
- [GitHub Updates](#)
- [Developer Blogs and Showcase](#)
- [Office Developer Blog](#)



Microsoft 365 update information

- [Microsoft IT Showcase](#)
- [Technical Professional Training](#)
- [User Training and technology introductions](#)



Showcase of the month



New trends with Microsoft Technology

- [Azure Updates](#)
- [Industry Blogs](#)
- [Industry Cloud Announcements](#)
- [Microsoft Research Blog](#)
- [Microsoft Quantum Computing](#)



Product Lifecycles

Acquisitions and Announcements

- [Products Reaching End of Support in 2023 and 2024](#)
- [Companies and Technologies Acquired Since 2018](#)



Join us at Microsoft Inspire

Elevate your business by joining us for our largest partner event of the year July 18–19, 2023 PT.

[Register now](#)

Session catalog

Discover sessions

Browse our catalog, refine your results with filters, or use the search bar to find sessions specific to your interests. Shortly before the live event, sign in and plan your full schedule by adding impactful presentations and discussions that will help you grow your business.

Microsoft Inspire

July 18–19, 2023

NTT is Microsoft's Newest
Global Systems Integrator
Partner

Partner of the Year Awards

Celebrate with us as we honor our winning partners and highlight their achievements in delivering impactful solutions and services to customers around the globe.



Events ▾

Briefings ▾

Trainings

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black hat® USA 2023

REGISTER NOW**AUGUST 5-10, 2023****MANDALAY BAY / LAS VEGAS
+ VIRTUAL**

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TRAININGS ▾

BRIEFINGS ▾

ARSENAL ▾

FEATURES ▾

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All times are Pacific Time (GMT/UTC -7h)

WELCOME TO BLACK HAT USA 2023

Now in its 26th year, Black Hat USA returns to the Mandalay Bay Convention Center in Las Vegas with a 6-day program. The event will open with four days of specialized cybersecurity Trainings (August 5–10), with courses for all skill levels. The two-day main conference (August 9–10) will feature more than 100 selected Briefings, dozens of open-source tool demos in Arsenal, a robust Business Hall, networking and social events, and much more. This year Black Hat is launching '[Certified Pentester](#)' program – a full day practical exam, covering pentesting topics. See the Conference Highlights below for more details.



OCTOBER 3RD-5TH, 2023

Microsoft Power Platform Conference

Oct 3-5, 2023 in Las Vegas, Nevada at the MGM Grand Conference Center.

Register Today!



emPOWER everyone

October 3 - 5

Workshops 1, 2 and 6 **2023**

Las Vegas • Nevada • #MPPC23

Power BI

Power Apps

Power Automate

Power Virtual Agents

Power Pages



Microsoft Power Platform Conference

Produced by Power Platform Conf | Sponsored by Microsoft

We are excited to announce the second annual **Microsoft Power Platform Conference 2023**. This event is sponsored by Microsoft and will be held in-person on October 3-5 in Las Vegas, Nevada.

Come and get inspired by Microsoft's senior thought leaders, software engineers, and community experts who are focused on uniting humanity and technology. You'll also have the chance to hear from users that solve real business problems daily. Our fantastic speakers are ready to share their insights on how to accelerate and transform your business with Power Platform.

This one-of-a-kind event is **dedicated** to Microsoft Power Platform products including Power Apps, Power Automate, Power BI, Power Pages, and Power Virtual Agents.

You'll have insider access to all the information, opportunities, and connections you need to further your Power Platform journey.

- **Understand how your peers** are using the Power Platform and putting them to work.
- **Get new ideas** on how you can utilize the tools in more useful ways.
- **Meet new #PowerAddicts** just like you!
- **Learn about** all the tools in the platform
- **Give your organization the edge it needs** to provide a more productive and exciting work environment.
- **Ask product experts** your questions during the live Q&A



Experience AI transformation in action at Microsoft Ignite

In Seattle: November 14–17, 2023 PT | Online dates: November 15–16, 2023 PT

Discover the best of what's next in technology, problem-solve with experts, and make global connections to empower yourself to lead your organization.

[Register now](#)

Come to Seattle—you won't want to miss this
November 14–17, 2023 PT

Join us for live, in-person keynotes, participate in interactive labs and demos, learn directly from Microsoft engineers and partners, and catch up with peers while making new connections. \$1,525 early-bird pricing is still available. Get the full experience with opt-in pre-day labs.

[Join us in Seattle >](#)

Join online from anywhere
November 15–16, 2023 PT

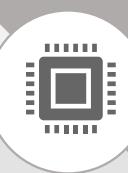
Connect with the global community online from wherever you are while learning from keynotes, breakout sessions, and taking part in live discussions at no cost.

[Join us online >](#)

Updates of Security and Compliance



Monitoring Global Threats: Microsoft :: Threat Intelligence Blog



Microsoft Security Response Center

Select a region ▾

Global threat activity

Countries or regions with the most malware encounters in the last 30 days

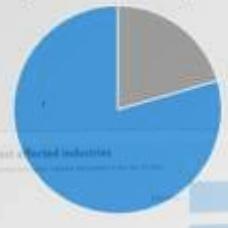
Most affected industries

Reported enterprise malware encounters in the last 30 days

Education

Show all industries >

Devices with encounters:
6,802,438 (79.48%)



Research Threat intelligence Microsoft 365 Defender Threat actors · Aug 24 · 13 min read

Flax Typhoon using legitimate software to quietly access Taiwanese organizations >

China-based actor Flax Typhoon is exploiting known vulnerabilities for public-facing servers, legitimate VPN software, and open-source malware to gain access to Taiwanese organizations, but not taking further action....



Top threats:

Adware:Win32/DealPly!MSR
Backdoor:MSIL/AsyncRAT.K!MTB

[Research](#) [Endpoint security](#) [Microsoft 365 Defender](#) [Threat actors](#) · Sep 12 · 7 min read
Malware distributor Storm-0324 facilitates ransomware access >

The threat actor that Microsoft tracks as Storm-0324 is a financially motivated group known to gain initial access using email-based initial infection vectors and then hand off access to compromised networks to other threat actors. These handoffs frequently lead to ransomware deployment. Beginning in July 2023, Storm-0324 was observed distributing payloads using an open-source tool [...]

Worldwide

74,762,589 devices with encounters

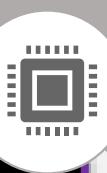
Top threats:

HackTool:Win32/AutoKMS
Trojan:Win32/Wacatac.H!ml
HackTool:Win64/AutoKMS
Trojan:Win32/Wacatac.B!ml
HackTool:Win32/Keygen

Research Threat intelligence Microsoft Defender for IoT Vulnerabilities and exploits · Aug 10 · 10 min read

Multiple high severity vulnerabilities in CODESYS V3 SDK could lead to RCE or DoS >

Microsoft researchers identified multiple high-severity vulnerabilities in the CODESYS V3 SDK that could put operational technology (OT) infrastructure at risk of attacks, such as remote code execution (RCE) and denial of service (DoS)....



Microsoft compliance offerings

Learn how Microsoft products and services help your organization meet regulatory compliance standards.

Azure, Dynamics 365, and Microsoft 365 compliance offerings

Information for Azure, Dynamics 365, Microsoft 365, and Power Platform, and other services to help with national, regional, and industry-specific regulations for data collection and

Global

- ISO 27017
- CSA-STAR attestation
- CSA-STAR certification
- CSA-STAR self-assessment
- CyberGRX
- ISO 20000-1:2011
- ISO 22301
- ISO 27001

Global

- ISO 27017
- ISO 27018
- ISO 27701
- ISO 9001
- SOC 1
- SOC 2
- SOC 3
- WGAG

US Government

- CIS
- CNSS 1253
- DFARS

[Best practices](#) [Incident response](#) [Microsoft Incident Response](#) · Aug 15 · 8 min read

How the Microsoft Incident Response team helps customers remediate threats >

Microsoft Incident Response is a global team comprised of cybersecurity experts with deep, highly specialized knowledge in breach detection, response, and recovery.

Industry

- GDPR
- APRA + DNB (Netherlands)
- APRA (Australia)
- AMF and ACPR (France)
- CDSA

Industry

- FERPA
- FRIC (US)
- FINMA (Switzerland)
- FINRA-AS11 (US)
- FISC (Japan)

MAPA

[News](#) [Privacy](#) [Microsoft Priva](#) · Aug 31 · 5 min read

Navigating privacy in a data-driven world with Microsoft Priva >

As the world becomes more data-driven and the privacy landscape continues to evolve, the need to take a proactive privacy approach increases. Here's how Microsoft Priva can help.

[Canadian Privacy Laws](#)

- CCPA (US-California)
- Cyber Essentials Plus (UK)
- IRAP (Australia)

[EU/US \(Spain\)](#)

- EU Model Clauses
- GB 18030 (China)
- GDPR (EU)
- G-Cloud (UK)

[EU-Grandchildren Workbooks \(Germany\)](#)

- GDPR (Spain)
- Merry (India)
- MTCS (Singapore)
- My Number (Japan)

- SOC
- TISAX
- TruSight

[Research](#) [Threat intelligence](#) [Microsoft Defender for Cloud](#) [Cloud threats](#) · Sep 7 · 7 min read

Cloud storage security: What's new in the threat matrix >

We're announcing the release of a second version of our threat matrix for storage services, a structured tool that assists in identifying and analyzing potential security threats on data stored in cloud storage services....

May 23, 2023

Bringing the power of AI to Windows 11 – unlocking a new era of productivity for customers and developers with Windows Copilot and Dev Home

By Panos Panay, Chief Product Officer, Windows and Devices

Microsoft 365 update information



Microsoft Copilots

Bing



Edge



Word



Outlook



M365 Copilot

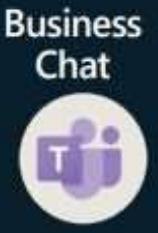
Excel



PowerPoint



Teams



Windows Copilot



Better interaction with OS, apps, and files

Copilot for Everyday

Better Q&A and task completion

Better interaction with web content

Copilots for Web

Better reading and writing assistance

Better e-mail management

Better data analysis

Better presentations

Better Meetings

Better knowledge management

Copilots for Productivity

Dynamics Copilot



Better sales and customer support

Fabric Copilot



Better data analytics and business intelligence

Security Copilot



Better threat detection, identification, and mitigation

GitHub Copilot



Better code development

Power Platform Copilot



Better creation of apps, workflows, and agents

Copilots for Business

Copilots for Analytics

Copilot for Security

Copilot for Development

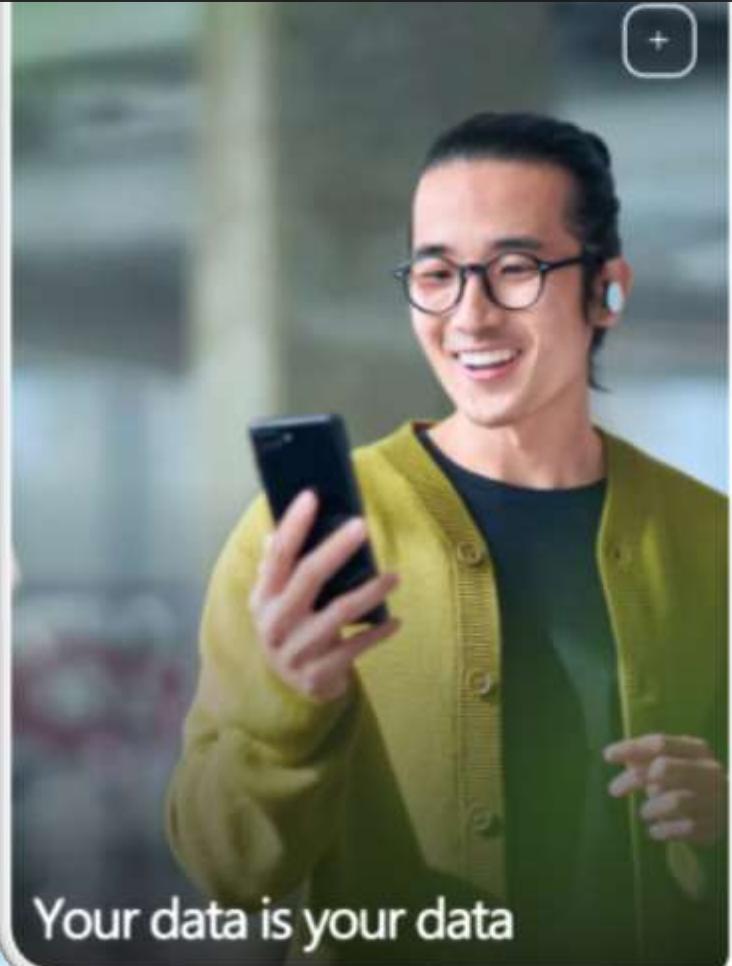
Copilot for Low/No Code Development

Microsoft AI runs on Trust

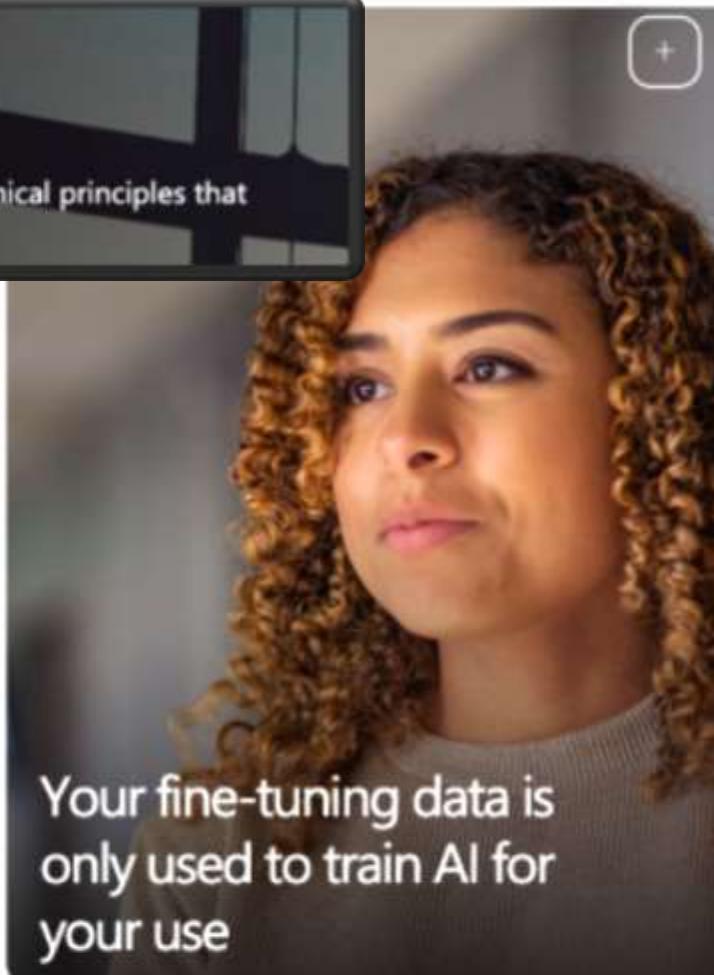


Responsible AI

We are committed to the advancement of AI driven by ethical principles that put people first.



Your data is your data

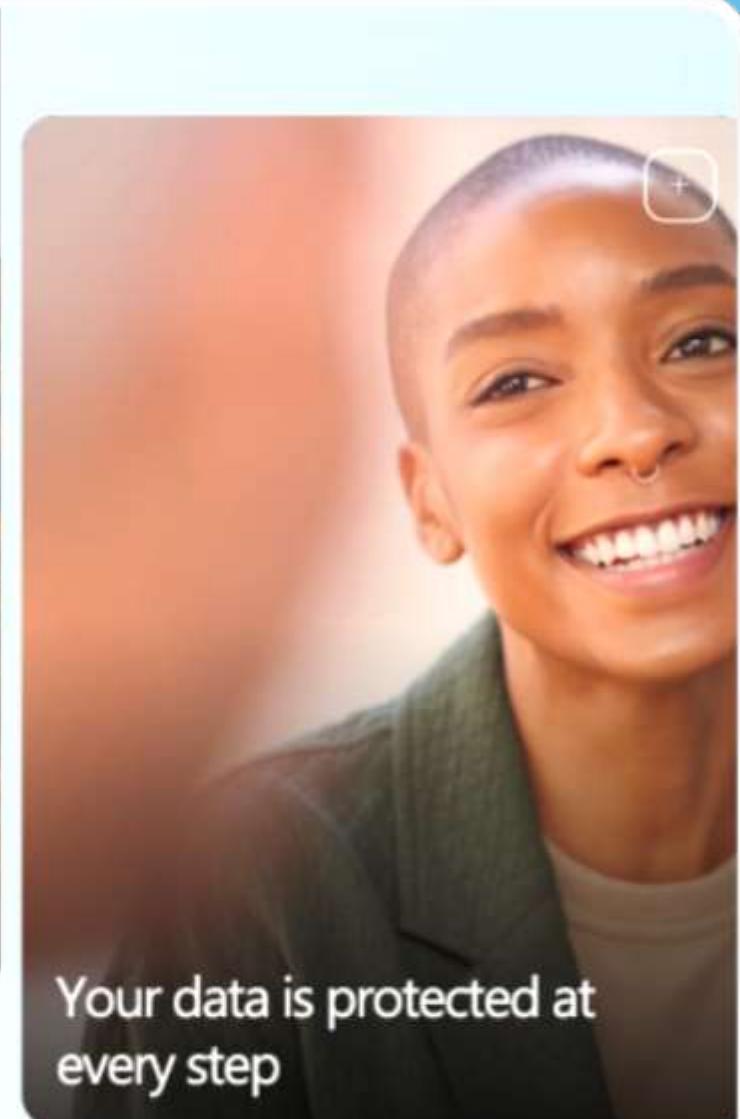


A close-up portrait of a woman with voluminous, curly, reddish-brown hair. She is looking slightly to her left with a neutral expression. The background is blurred.

Your fine-tuning data is only used to train AI for your use

Putting principles into practice at Microsoft

We are committed to making sure AI systems are developed responsibly and in ways that warrant people's trust.



A close-up portrait of a person with short, dark hair, smiling broadly. The background is a warm, orange-toned gradient.

Your data is protected at every step



Copilots and Roadmap: as of 31-Aug-2023

Copilot	Release Status	Preview Program (no SLAs, no Data Residency guarantee, other limitations)	Requirements	List Price	
Bing Chat Enterprise	Preview		Standalone offering	5 USD per user, per month	
		automatic enablement; Op-out available (MC665935)	M365E3 or M365E5 or Business Premium, and Business Standard	included at no additional cost	
M365	Paid Preview, Preview Licenses valid for 12 month	Early Access Program, NTT Ltd participating	M365E3 or M365E5 or Business Premium, and Business Standard	30 USD per user, per month	
Windows Copilot	Preview	Paused for Europe	(includes Bing Chat Enterprise)	Not announced, yet	
Dynamics 365 Copilot	Preview			Not announced, yet	
Fabric Copilot	Announced			Not announced, yet	
Security Copilot	Preview			Not announced, yet	
GitHub Copilot	Released			10 USD per user per month	
Power Platform Copilot	Preview			Not announced, yet	



I asked Copilot to ...

create a table, with the following columns:

Column 1 = number

Column 2 = Microsoft Copilot

Column 3 = release status

Column 4 = price

Column 5 = link to website

Copilot Replied ...



Here is a table that I created with the columns you requested:

I hope this table is helpful for you. 😊

:<https://copilot.github.com/pricing> :<https://www.microsoft.com/en-us/microsoft-365/business/microsoft-365-business-premium> :<https://dynamics.microsoft.com/en-us/copilot/> :<https://dynamics.microsoft.com/en-us/copilot/> :<https://www.microsoft.com/en-us/microsoft-365/blog/2023/05/09/introducing-the-microsoft-365-copilot-early-access-program-and-new-capabilities-in-copilot/> :<https://www.microsoft.com/en-us/security/business/copilot> :<https://powerbi.microsoft.com/en-us/copilot/> :<https://powerbi.microsoft.com/en-us/copilot/> :<https://powerapps.microsoft.com/en-us/power-pages/> :<https://powerapps.microsoft.com/en-us/power-pages/>

Number	Microsoft Copilot	Release Status	Price	Link to Website
1	GitHub Copilot	Generally available	Free for public repositories, \$29/month for private repositories	[GitHub Copilot]
2	Microsoft 365 Copilot	Generally available	Included in Microsoft 365 Business Premium and Enterprise plans	[Microsoft 365 Copilot]
3	Dynamics 365 Copilot	In preview	To be announced	[Dynamics 365 Copilot]
4	Copilot in Microsoft Viva	In preview	To be announced	[Copilot in Microsoft Viva]
5	Microsoft Security Copilot	In preview	To be announced	[Microsoft Security Copilot]
6	Copilot in Power BI	In preview	To be announced	[Copilot in Power BI]
7	Copilot in Power Pages	In preview	To be announced	[Copilot in Power Pages]
8	Copilot in Microsoft Fabric	Coming soon in preview	To be announced	Copilot in Microsoft Fabric (no direct link available) ^{[14] [15] [16] [17] [18] [19] [20]}
9	Windows Copilot	Coming soon in preview ^{[15] [16] [17] [18] [19] [20]}	To be announced ^{[15] [16] [17] [18] [19] [20]}	Windows Copilot (no direct link available) ^{[14] [15] [16] [17] [18] [19] [20]}



Then, asked Copilot to make it into a PPT format ...

Microsoft Copilot Roadmap

Number	Microsoft Copilot	Release Status	Price	Link to Website
1	GitHub Copilot	Generally available	Free for public repositories, \$29/month for private repositories	[GitHub Copilot]
2	Microsoft 365 Copilot	Generally available	Included in Microsoft 365 Business Premium and Enterprise plans	[Microsoft 365 Copilot]
3	Dynamics 365 Copilot	In preview	To be announced	[Dynamics 365 Copilot]
4	Copilot in Microsoft Viva	In preview	To be announced	[Copilot in Microsoft Viva]
5	Microsoft Security Copilot	In preview	To be announced	[Microsoft Security Copilot]
6	Copilot in Power BI	In preview	To be announced	[Copilot in Power BI]
7	Copilot in Power Pages	In preview	To be announced	[Copilot in Power Pages]
8	Copilot in Microsoft Fabric	Coming soon in preview	To be announced	Copilot in Microsoft Fabric (no direct link available) ^{[14] [15] [16] [17] [18] [19] [20]}
9	Windows Copilot	Coming soon in preview ^{^ [15] [16] [17] [18] [19] [20]}	To be announced ^{^ [15] [16] [17] [18] [19] [20]}	Windows Copilot (no direct link available) ^{[14] [15] [16] [17] [18] [19] [20]}

Bing Chat:



Understanding the AI Options

	ChatGPT	Bing Chat	Bing Chat Enterprise	Microsoft 365 Copilot
Personal	Personal	Personal	Work	Work
GPT Large Language Model	✓	✓	✓	✓
AI-Powered Web Search, Answers & Content Generation		✓	✓	✓
Commercial Data Protection			✓	✓
Microsoft 365 Enterprise Security, Compliance & Privacy				✓
Microsoft 365 Graph (content & context)			✓*	✓
Business Chat				✓
Microsoft 365 Apps				✓

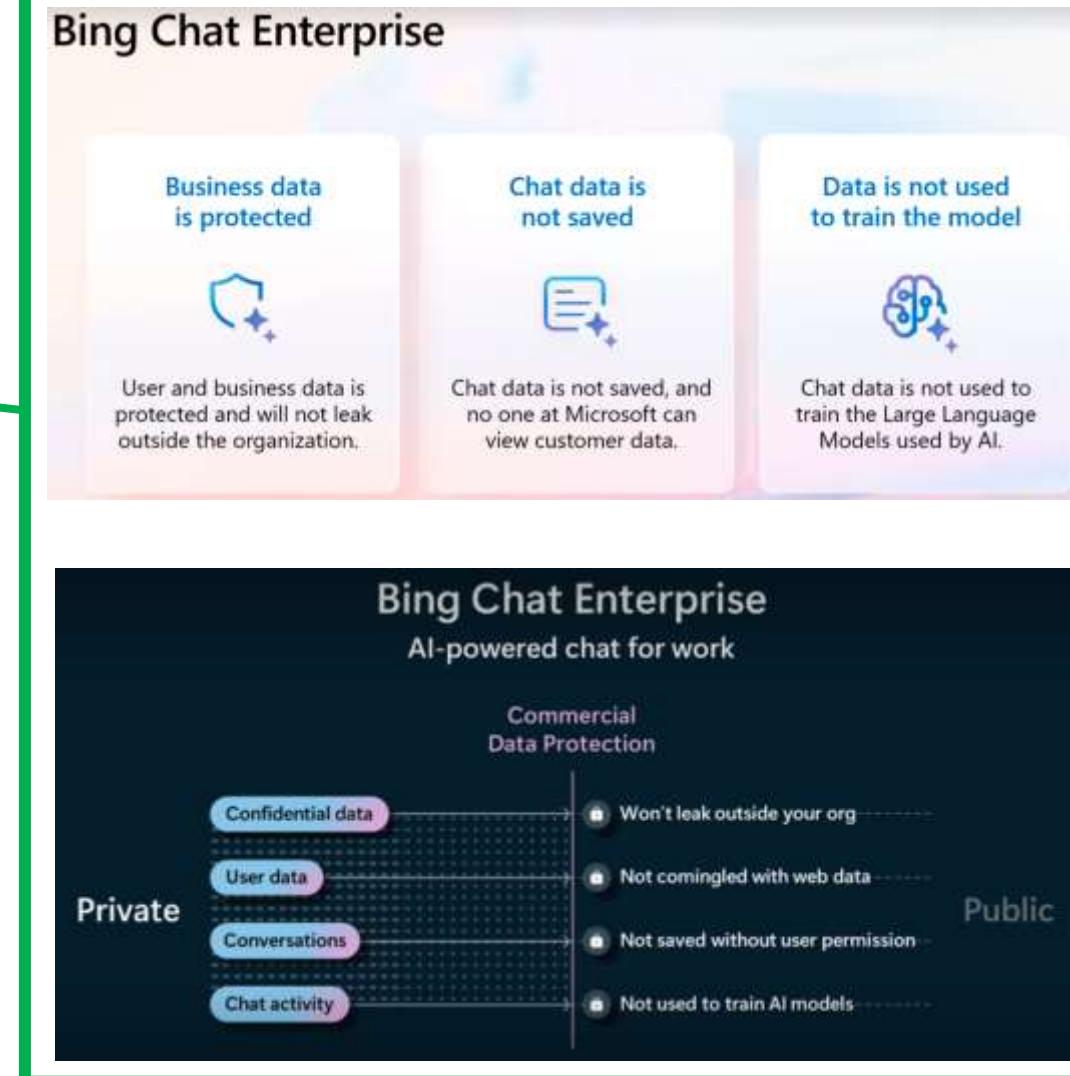
*Subject to be changed - work in progress and only offered to M365 Copilot GPT customers to be

Not an official Microsoft slide.

Privacy and protections

Access to Organizational Data

- Bing Chat Enterprise, by default, has no access to your organizational data
- There are 3 exceptions
 - 1.If you're using M365 copilot, then Bing Chat Enterprise is included and can access data that copilot has access to
 - 2.or if you provide organizational data in your prompt
 - 3.or if you check the box "Allow access to any webpage or PDF" + have a tab open with organizational data in your browser



Microsoft Fasttrack M365 Copilot Workshop



Roles assisting the M365 Copilot experience



Utilize your assistance

Copilot CSA

- Deliver M365 Copilot workshop and secure business intent
- Build customer trust in M365 Copilot and AI value addressing data & security concerns
- Help customers setup center of excellence
- Start: Automatically **after** Copilot contract is signed

FastTrack

- Guide deployment of most of the prerequisites
- Assist deployment of highly recommended services and features
- Main contact: FastTrack Architect
- Start: Assistance possible **before** Copilot contract is signed, usually engaged already

Support

- Support tickets and technical issues for M365 Copilot, various technical workshops
- Main contact: CSAM
- Start: Via Unified, preparations in progress

What's New in Microsoft 365

[M365 Blog and Microsoft-365 Product Blog :: Covering Office 365, Enterprise Mobility + Security and Windows ::](#)

- ❖ [What's new in your favorite Microsoft 365 app](#)
- ❖ [Data validation dropdown list autocomplete](#)
- ❖ [Paste values directly into your workbook using a keyboard shortcut](#)
- ❖ [Updated encryption for Microsoft Purview Information Protection](#)

Important Microsoft 365 licensing changes in Europe

[JillArmour in Partner news Aug 31 2023 03:00 AM](#)

Microsoft
MICROSOFT ONE DRIVE
The Future of File Management is Here
October 3rd, 1pm ET | Teams Live Event

Join us on Oct 3 for an Exclusive OneDrive Event

[PaulDiamond in Microsoft.OneDrive.Blog Sep 05 2023 10:00 AM](#)

Discover what's new and what's coming in OneDrive! Join us on October 3 for the online eve...

Roadmap Pitstop August 2023

SharePoint Roadmap Pitstop: August 2023

[Mark Kashman in Microsoft.SharePoint.Blog Sep 05 2023 07:30 AM](#)

August 2023 brought some great new offerings: SharePoint news to email inbox; Two new Shar...



Microsoft 365 roadmap

Get the latest updates on our best-in-class productivity apps and intelligent cloud services. Rethink productivity, streamline business processes, and protect your business with Microsoft 365.

[Using this roadmap](#)

[Roadmap improvements](#)

Microsoft Defender for Office 365: Security Threat Submission API	Preview Available: June 2023 Rollout Start: October 2023
Microsoft Purview compliance portal: Data Loss Prevention – apply protection at the time of egress on endpoints	Preview Available: July 2023 Rollout Start: September 2023
Microsoft Viva: Verified Topic badges	Preview Available: August 2023 Rollout Start: September 2023
Microsoft Teams: The new Microsoft Teams app	Rollout Start: September 2023
Microsoft Teams: Live Translated Transcript (Premium)	Rollout Start: September 2023
> OneNote: Stream (on SharePoint) is now supported in OneNote	Rollout Start: September 2023
> Microsoft Stream: Audio tracks and descriptions for Stream on SharePoint	Rollout Start: September 2023
> Microsoft Stream: Stream on SharePoint is now supported in OneNote	Preview Available: July 2023 Rollout Start: September 2023
> Microsoft Stream: Audio tracks and descriptions for Stream on SharePoint	Preview Available: July 2023 Rollout Start: September 2023
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Microsoft Stream: Audio tracks and descriptions for Stream on SharePoint	Preview Available: July 2023 Rollout Start: September 2023
Microsoft Stream: Stream on SharePoint is now supported in OneNote	Preview Available: July 2023 Rollout Start: September 2023
Microsoft Stream: Audio tracks and descriptions for Stream on SharePoint	Preview Available: July 2023 Rollout Start: September 2023
Microsoft 365: The new look of Excel, PowerPoint, and Word Web	Preview Available: November 2022 Rollout Start: August 2023
Bing Chat Enterprise now has user-level admin controls plus ...	Preview Available: June 2023 Rollout Start: August 2023
Aleena Ansari in Microsoft 365 Blog on 09-11-2023 10:40 AM	Rollout Start: August 2023
Learn more about Bing Chat Enterprise's new administrative controls and how data is...	Protection
Read more >	Rollout Start: August 2023
Microsoft Teams: Live Translated Captions in Meetings on Android and iOS	Preview Available: March 2023 Rollout Start: August 2023
	Rollout Start: August 2023

Microsoft Teams Blog:

How Microsoft Teams apps can help improve wellbeing at work

[evanw](#) on Sep 06 2023 08:00 AM

In recent years, there has been a rapid increase in digital solutions for health and wellness, and more organizations ar...

New for This Month:

- [Animated Backgrounds](#)
- [Join public webinars from 3 concurrent devices](#)
- [Simplified call delegation UI and feature enhancements](#)
- [Hotline phones](#)
- [Teams Phone devices UI updates](#)
- [Teams Shared Device license on Teams mobile app for Android](#)
- [Protected voicemail notifications in Teams](#)
- [Dynamic emergency calling available in Teams on web](#)

Chat and Collaboration:

- Updates to the chat message hover menu
- [Compact chat enhancements](#)
- Task lists sync in Microsoft Loop

Admin and Security:

- Proactive monitoring of meeting quality using Real-time telemetry (Premium)

Mobile

- New Teams and Channels layout in Teams on Android
- Choose spoken language and translated captions for Microsoft Teams on Android



What's New in Microsoft Teams | August 2023

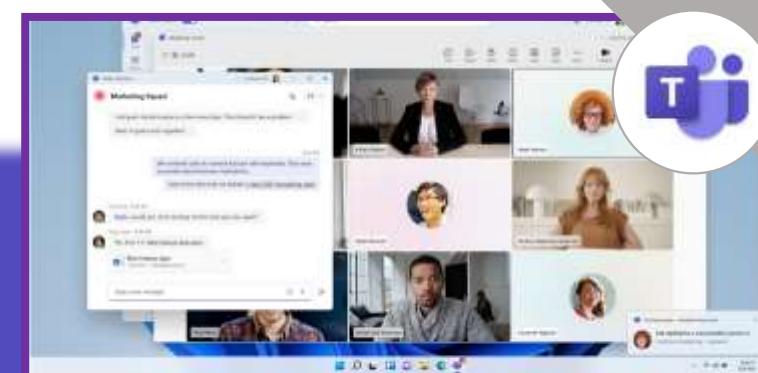
What's New in Microsoft Teams | August 2023

[Steve Stein](#) on Aug 31 2023 08:00 AM

Welcome to the August 2023 edition of What's New in Teams! Following a month of great announcements from Microsoft Inspi...

Rooms and Devices:

- [Video gallery segmentation with unified backgrounds for Teams Rooms on Windows](#)
- [Spatial audio in Teams Rooms on Windows speakers](#)
- [Multi-stream IntelliFrame Intelligent Camera experiences in Teams Rooms and the new devices that enable them](#)
- [Face enrollment on Teams Desktop to support recognition in Teams Rooms](#)
- [AudioCodes' phones certified for Government Community Cloud \(GCC/GCCH\)](#)
- [AudioCodes C435HD](#)
- [AudioCodes C455HD-DBW](#)
- [Yealink BH71 Workstation & Headset certified for Microsoft Teams](#)
- [EPOS IMPACT 1060T headset certified for Microsoft Teams](#)
- [B&O Beocom EX Earbuds Certified for Microsoft Teams](#)
- [Algo IP devices for overhead paging, alerts and door entries are now compatible with Teams SIP Gateway](#)



Announcing more seamless collaboration in Microsoft Teams...

[fmorgan](#) on Aug 28 2023 11:59 AM

Today, we've started rolling out new features tailored to multi-tenant organizations in the new Microsoft Teams desktop ...

Platform

- [Pre-pin meeting apps via Admin Policy in Teams Admin Center](#)
- [Graph API for Teams Meetings Transcripts](#)

Collaborative Apps

- [ServiceNow Virtual Agent](#)
- [MiClient](#)
- [Typeface](#)
- [Amex GBT](#)
- [HubSpot](#)
- [Sage People](#)

Teams Premium

- [Intelligent Meeting Recap :: Generally Available](#)
- [Show only custom backgrounds](#)

Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Viva Connections

Employee Communications & Communities



Viva Insights

Workplace Analytics & Employee Feedback



Viva Goals

Goals and OKR (Objectives and Key Results) Management



Viva Learning

Learning and Knowledge



Viva Topics

Viva Sales

Role-based Experiences and engagement



Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Microsoft Viva Connections

Microsoft Viva Engage

Microsoft Viva Insights

Microsoft Viva Pulse (Public Preview)

[Viva Glint](#)

Microsoft Viva Goals

Microsoft Viva Learning

Microsoft Viva Topics

Microsoft Viva Sales



[See how Sage uses Viva Glint and Viva Insights to impro...](#)

In today's fast-paced business world, embracing technology and pr...



[New R and Python open-source libraries empower...](#)

The repository of functions helps analysts improve the speed, sca...



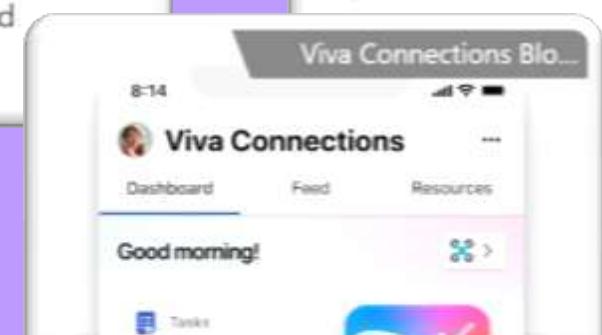
[Culture Transformation Tips, Tricks, and Learnings from...](#)

Learn about tips and tricks for cultural transformation and chang...



[New experiences for video and images in Viva Engage](#)

We're introducing powerful new experiences for video and images



[Take your intranet everywhere with these new updates fo...](#)

Announcing new features that allow you to better showcase your br...

Microsoft Power Platform :: Power Platform Blog



Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.



Power BI
Business analytics



Power Apps
App development



Power Automate
Process automation



Power Virtual Agents
Intelligent virtual agents

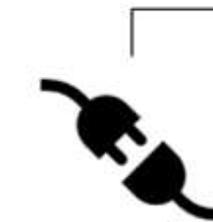


Power Pages
External-facing websites

July 18, 2023 · 4 min read

Microsoft launches Power Automate Process Mining and next-generation AI >

At Microsoft Inspire 2023 we're happy to announce that Power Automate Process Mining will become generally available on August 1, 2023. Process and task mining is changing the way businesses optimize their processes, save costs, and discover opportunities to run more efficient business operations.



Data connectors



AI Builder



Dataverse

Visit our product blogs

Power BI
Power Automate

Power Virtual Agents
Power Apps

Power Pages

Power Platform and Dynamics



[Business Decision Makers](#)

[Customer stories](#)

[Dynamics 365 Supply Chain Management](#)

• Sep 6 • 6 min read

4 benefits of modern warehouse management solutions >

As we gear up for the holiday season, businesses that are agile and responsive will be poised to capture market demand and deliver an exceptional end-to-end customer experience. Adopting modern technology solutions can introduce agility to key processes overnight, and leaders should look across their supply chain functions to identify levers for maximum impact.



[Business Decision Makers](#)

[Analyst reports](#)

[Dynamics 365 Sales](#)

• Sep 5 • 5 min read

IDC shares how generative AI transforms business processes within marketing, sales, and service >

This post is authored by Gerry Murray, Marketing and Sales Technology Research Director, IDC; and coauthored by Carlena Neely, Product Marketing Manager, Business Applications, Microsoft. Delving into the realm of customer-centric strategies, IDC analyst Gerry Murray casts a visionary light on the transformative influence of generative AI (Gen AI) on sales and service. Murray's perspective



[Business Decision Makers](#)

[News and product updates](#)

[Dynamics 365 Customer Insights](#)

• Sep 1 • 4 min read

Now generally available: The new Microsoft Dynamics 365 Customer Insights >

At Microsoft Inspire 2023, we announced that we are bringing together Microsoft Dynamics 365 Marketing and Microsoft Dynamics 365 Customer Insights into one offer, enabling organizations to unify and enrich their customer data to deliver personalized, connected, end-to-end customer journeys across sales, marketing, and service. Today, we're excited to share that the new Dynamics 365 Customer Insights is now generally available for purchase.



[Business Decision Makers](#)

[Thought leadership](#)

[Dynamics 365 Guides](#)

• Aug 17 • 4 min read

3 ways mixed reality empowers frontline workers >

By integrating the physical and digital worlds, mixed reality brings a modern approach to role-based training, support and service, as well as knowledge transfer. Microsoft Dynamics 365 Guides cultivates collaborative environments where people put knowledge into action.



[Business Decision Makers](#)

[Customer stories](#)

[Dynamics 365 Field Service](#)

• Aug 17 • 4 min read

AI at your service with Copilot in Microsoft Dynamics 365 Field Service >

The era of AI is here, and it's transforming how companies service customers in the field.

Roadmaps and Release plans:



Developer and GitHub

GitHub Blog and Changelog

- Dependency review support for dependency submission results
- (Private Beta) Sign up for full access to the GHEC Enterprise Managed Users SCIM API
- Updated IP ranges for GitHub Enterprise Importer
- New 2FA account recovery options via password reset flow
- GitHub Copilot – September 7th Update
- Organization Archiving general availability
- Wikis are now available for Enterprise Managed User namespace repositories
- Code scanning with CodeQL improves support for Java codebases that use Project Lombok



Microsoft Developer Blogs:

- September patches for Azure DevOps Server and Team Foundation Server
- Announcing .NET 8 RC1
- .NET September 2023 Updates – .NET 7.0.11, .NET 6.0.22
- Integrating C++ header units into Office using MSVC (2/n)
- Understanding the Azure Core library for .NET
- Python in Visual Studio Code - September 2023 Release
- De-duplicating context in the chat sliding window
- Introducing MSAL.Browser v3: What developers need to know

A faster way to manage version updates with Dependabot

Now, you can group multiple version updates in a single pull request.

Eric Tooley August 24, 2023

How to build an enterprise LLM application: Lessons from GitHub Copilot

The team behind GitHub Copilot shares its lessons for building an LLM app that delivers value to both individuals and enterprise users at scale.



Shuyin Zhao September 6, 2023

Optimize your GitHub Codespaces costs with upgraded virtual machines

See how much more you can get out of GitHub Codespaces by taking advantage of the improved processing power and increased headroom in the next generation of virtual machines.

Craig Peters August 31, 2023

Game Bytes • August 2023

Game Bytes is our monthly series taking a peek at the world of gamedev on GitHub—featuring game engine updates, game jam details, open source games, mods, maps, and more. Game on!



Lee Reilly August 25, 2023

Why Rust is the most admired language among developers

Rust continues to top the charts as the most admired and desired language by developers, and in this post, we dive a little deeper into how (and why) Rust is stealing the hearts of developers around the world.

Sara Verdi August 30, 2023

Unleashing GitHub Codespaces templates to ignite your development

Learn how to leverage templating features in GitHub Codespaces to streamline your project setup, improve consistency, and simplify collaboration within your development team.

Sneha Natekar August 24, 2023

A guide to designing and shipping AI developer tools

GitHub's design experts share 10 tips and lessons for designing magical user experiences for AI applications and AI coding tools.

Nicole Chol August 8, 2023



Office Developer Blogs and Microsoft 365 Dev Center



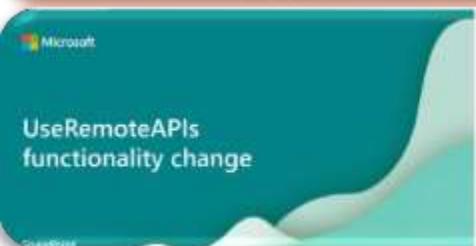
Microsoft Teams Recording and Transcript APIs billing in public preview

September 11, 2023



Ayan Chakraborty

On October 3, 2023, we are starting billing in public preview for the Microsoft Teams Recording and Transcript APIs.



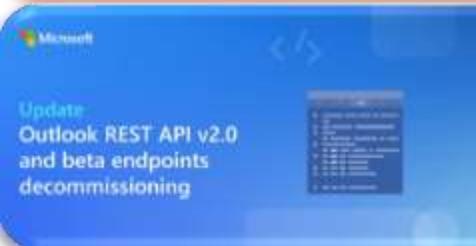
UseRemoteAPIs functionality change in Microsoft SharePoint

September 11, 2023



Patrick Rodgers

We are announcing the removal of consideration for the UseRemoteAPIs permission within SharePoint Online.



Outlook REST API v2.0 and beta endpoints decommissioning update

September 6, 2023



Luberth Morera

Today, we are announcing that we will fully deprecate Outlook REST v2.0 and beta endpoints on March 31, 2024.



Microsoft 365 Developer Proxy v0.11 with improved \$select guidance

August 30, 2023



Waldek Mastykarz, Sébastien Levert

Microsoft 365 Developer Proxy v0.11 introduces improved \$select guidance to help you build more performant applications and other adjustments that improve the user experience.



New Office Add-ins entry point available online

August 24, 2023



Skylar Pan

Use the new add-ins entry point to manage all your Office Add-ins and find the right add-in in the AppSource and Office marketplace.

Global Developer Updates and Bootcamps :: M365 Developer Blog :: Office Developer :: DevBlog

- [Teams Conversation Bot](#)
- [Messaging Extension SSO Config Bot](#)
- [Staggered permission sample](#)
- [Teams File Upload Bot](#)
- [Deploying the Microsoft Teams UI templates sample app](#)
- [New Office Add-ins entry point available online](#)
- [Tab people picker C#](#)
- [Teams Personal Tab SSO Authentication Sample Node.js](#)
- [Interact with Calendar, Mail, Profile, geolocation from Personal Tabs App](#)
- [Teams Azure Open AI Embeddings And Redis Search On Uploaded File Using Bot](#)



Develop apps with Microsoft Graph Toolkit

[Learn more >](#)

Microsoft Graph PowerShell v1 to v2 migration toolkit

Create a spreadsheet from your web page, populate it with data, and embed you...

[View code sample >](#)

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



[Telecommunications](#) • Aug 22 •
5 min read

Microsoft at TM Forum DTW23 Ignite: Transform from telco to techco leveraging AI >

Microsoft empowers telecommunications organizations to achieve more through a trusted and secure platform supported by a comprehensive partner ecosystem. At this event we will look to demonstrate how Microsoft is the partner to help telco's leverage the power of AI and untap business-to-business (B2B) opportunities.



[Manufacturing and mobility](#) •
Aug 28 • 5 min read

Enabling innovation: Microsoft at Automotive News World Congress 2023 >

Microsoft and the mobility team are proud sponsors of the Automotive News World Congress 2023 event taking place in Detroit, Michigan on September 12, 2023. Microsoft will provide thought leadership around our role in supporting transformation in the automotive industry.

September 05, 2023 • 5 min read

Microsoft at Sibos 2023: Showcasing Microsoft Cloud for Financial Services >

For financial services professionals attending the Sibos 2023 conference from September 18 to 21, 2023, in Toronto, Microsoft is delighted to showcase innovation in AI, share our insights and learning, and highlight the progress of our partners and customers.



[Media and entertainment](#) • Aug 24
• 5 min read

IBC2023: How the Microsoft Cloud is accelerating AI transformation in media >

Microsoft and our partners will showcase the power of AI at IBC2023: The World's Leading Content & Technology event in Amsterdam from September 15 to 18, 2023.



Sep 7 • 7 min read

Microsoft Defense and Intelligence: Unleashing the potential of the industrial metaverse >

Microsoft aims to demystify the metaverse and share how the industrial metaverse embodies the confluence of many technologies—particularly to defense and intelligence organizations.



Microsoft Cloud for Sustainability

Record, report, and reduce your organization's environmental impact.

Emissions Impact Dashboard

Estimate your carbon emissions related to using Microsoft cloud services—including Azure and Microsoft 365—and make more data-driven decisions about cloud usage.

Emissions Impact Dashboard

Understand and help reduce your organization's environmental impact with the Emissions Impact Dashboard.

[Explore the dashboard >](#)

GHG emissions reporting training

Explore learning modules to measure and report greenhouse gas (GHG) emissions.

[Get started >](#)

Energy efficiency training

Learn how increasing efficiencies and using less energy can help reduce your carbon emissions.

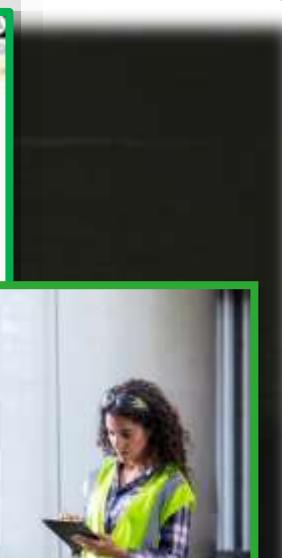
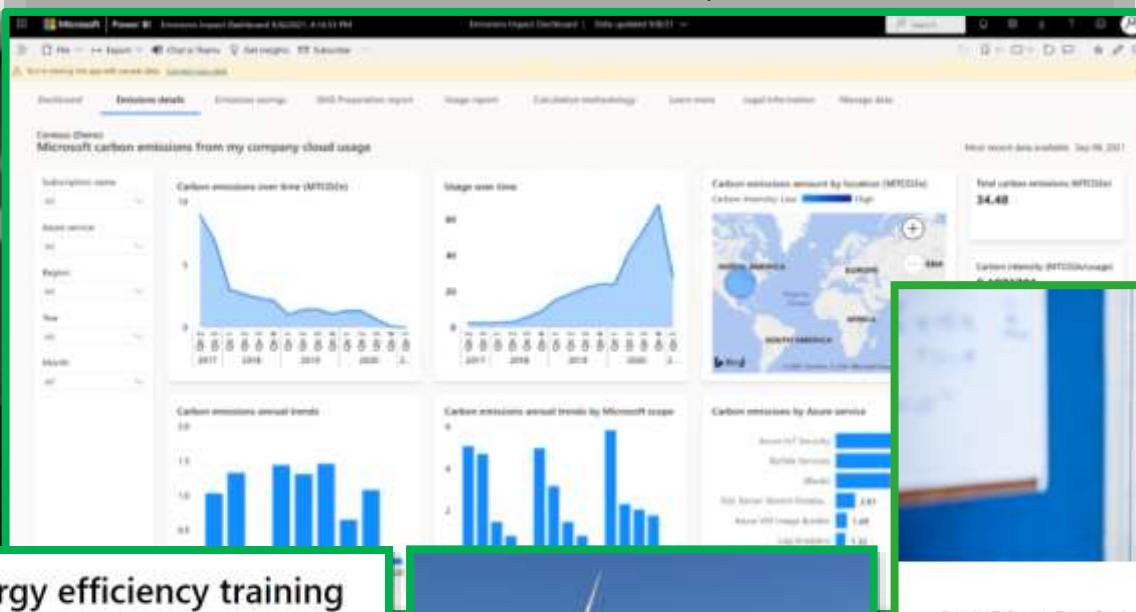
[Get started >](#)

Cloud carbon tracking for your path to net zero

Using Power BI template apps and consistent, third party-validated carbon accounting, the Emissions Impact Dashboard for Azure and the Emissions Impact Dashboard for Microsoft 365 (now in preview) help you measure your Microsoft Cloud-based emissions and carbon savings potential.

[App for Azure >](#)

[App for Microsoft 365 >](#)



Aug 21 • 3 min read

Streamline supplier engagement with the new ESG value chain solution >

The ESG value chain solution, a feature in Microsoft Sustainability Manager, will enable organizations to collect and report more detailed data about sustainability activities from their value chain partners. With this capability, you can create surveys and other customized workflows designed to collect emissions and ESG data needed for reporting and science-based target setting and reductions.

Microsoft Sustainability Report for 2022



2022 progress

Microsoft Cloud for Sustainability

The Microsoft Cloud for Sustainability data model centralizes emissions data from disparate sources in a shared data language—streamlining data ingestion, integration, and calculations and enabling more accurate and reliable reporting. The Microsoft Cloud for Sustainability data model initially focused on carbon and was expanded in 2022 to include water data.

Advanced policy

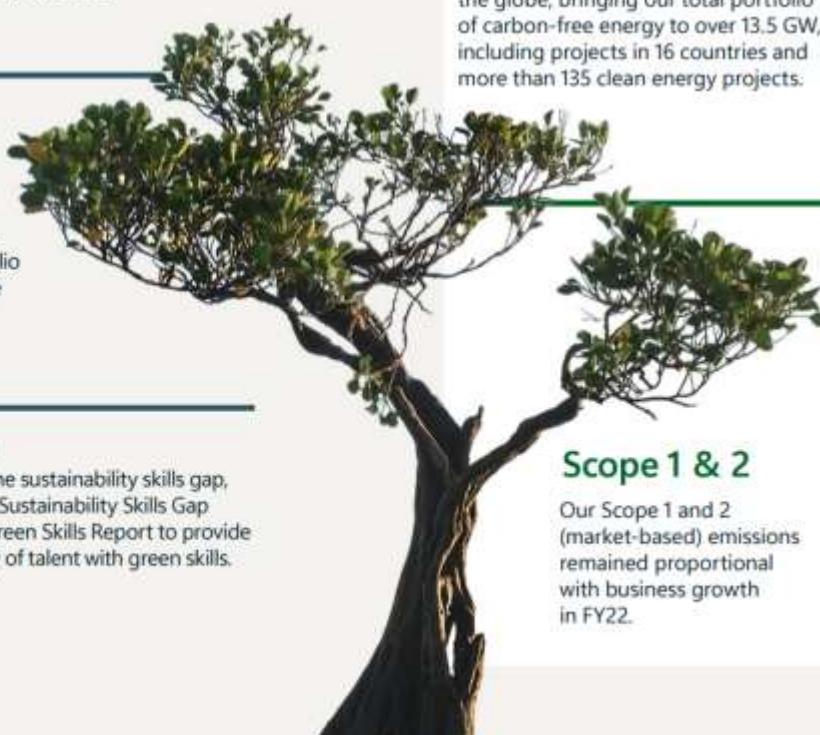
To support our policy work, we published several briefs on carbon and electricity policy to share the priorities and principles that guide Microsoft's policy advocacy work around the world.

>\$600M in climate innovation

Since its inception, Microsoft has allocated over \$600 million impact investment capital from our Climate Innovation Fund into a global portfolio of investments, featuring sustainable solutions in energy, industrial, and natural systems.

Sustainability skills gap

To better understand how to close the sustainability skills gap, Microsoft published the Closing the Sustainability Skills Gap report and LinkedIn published the Green Skills Report to provide insights into the demand and supply of talent with green skills.



Carbon

1.4M metric tons

We contracted 1,443,981 metric tons of carbon removal in FY22. We also made first-of-a-kind multi-year forward offtake commitments to carbon removal, which we view as the model for scaling this industry.

13.5 GW

In FY22, we signed new PPAs around the globe, bringing our total portfolio of carbon-free energy to over 13.5 GW, including projects in 16 countries and more than 135 clean energy projects.

Scope 1 & 2

Our Scope 1 and 2 (market-based) emissions remained proportional with business growth in FY22.

Water

15.6M m³

In FY22, we contracted for replenishment projects that are estimated to provide more than 15.6 million m³ in volumetric water benefit over the lifetime of these projects.

1M

By the end of FY22, we provided more than 550,000 people with access to clean water and sanitation solutions in Brazil, India, Indonesia, and Mexico and reached just under one million people by the end of the calendar year 2022.

Environmental justice

Environmental justice is embedded in our water access target, and we are looking for ways to be more intentional about integrating environmental justice into our replenishment investments.

Scopes explained

Scope 1
Direct emissions created by a company's activities



Scope 2
Indirect emissions from a company's activities



Scope 3
Indirect emissions from all other activities up and down the value chain



Waste

12,159 metric tons

In FY22, we diverted 12,159 metric tons of solid waste from landfills and incinerators across our direct operational footprint.

82%

Our reuse and recycle rates of servers and components across all cloud hardware reached 82 percent in FY22.

29%

We reduced single-use plastics in our Microsoft product packaging by more than 29 percent, a decrease from 4.7 percent to 3.3 percent by weight (on average) of plastic per package in FY22.

Ecosystems

12,270 acres

In FY22, we protected 12,270 acres of land in Belize. We now protect more than the 11,206 acres of land that we use.

Big game migration program

Through the NFWF Western Big Game Migration Program, we invested in projects in the American West that are vital for preserving the migration corridors of endangered and at-risk species, including mountain lions and grizzly bears.



Protecting biodiversity

Last year, we contributed to the TNC Belize Maya Forest Project (BMF) to protect an additional 236,000 acres in a global biodiversity hotspot.

Microsoft Research Blog



Model Representation
↓
Tile-based IR
↓
Hardware Abstraction



Building a “heavy metal quartet” of AI compilers >

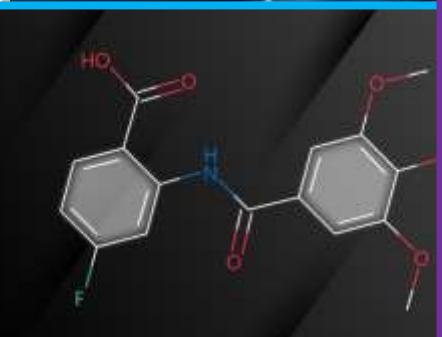
August 30, 2023

A new quartet of AI compilers: Rammer, Roller, Welder, and Grinder, tackle a range of compiler optimization challenges based on the same tile abstraction, providing a comprehensive solution to connect AI models with hardware accelerators

Incorporating chemists' insight with AI models for single-step retrosynthesis prediction >

September 7, 2023

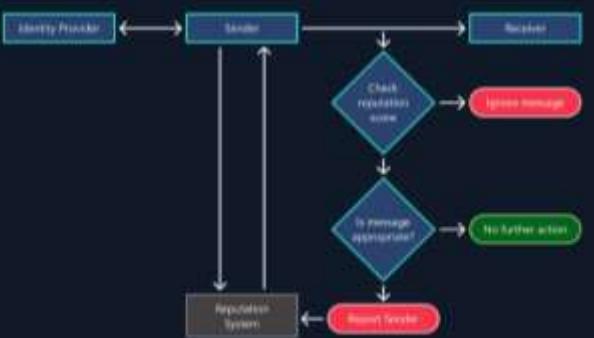
Retrosynthesis analysis is a critical task in organic chemistry and central to many important industries. It primarily involves decomposing a target molecule into commercially available molecules step by step. Since synthesis strategies can be quite diverse and strategic, retrosynthesis planning with expert knowledge has long...



Rethinking trust in direct messages in the AI era >

September 5, 2023

Microsoft researchers are proposing a new way to ensure greater trust and accountability in email, texts, direct messages on social platforms, even phone calls, to help mitigate sophisticated threats from AI-related scams and fraud.



Using AI for tiered cloud platform operation >

August 29, 2023 | [Rodrigo Fonseca](#), [Pedro Las-Casas](#), [Alok Kumbhare](#), and [Ricardo Bianchini](#)

Cloud Intelligence/AIOps research from Microsoft could help organizations autonomously manage the entire cloud platform. Find out how.

Frontiers of multimodal learning: A responsible AI approach >

September 6, 2023

New evaluation methods and a commitment to continual improvement are musts if we're to build multimodal AI systems that advance human goals. Learn about cutting-edge research into the responsible development and use of multimodal AI at Microsoft.

Tier 3: Experts solve complex scenarios

Labels and other metadata to improve automated system and help no-experts

Tier 2: Generalist operators assist with unexpected events

Labels and other metadata to improve automated system

Tier 1: Fully autonomous platform operations

Microsoft Quantum Blog :: Innovation News



The path to quantum at scale Microsoft Quantum Innovator Series

Announcing season 2 of the Microsoft Quantum Innovator Series >

August 23, 2023 • 6 min read

By [Microsoft Azure Quantum Team](#)

In this series, you will hear directly from the Microsoft Azure Quantum scientists and leaders about the path to quantum at scale and how you can get involved today. [Read more](#)

+ Technical docs

Explore the Azure Quantum technical documentation including quick starts, tutorials, and API references.

+ Quantum katas

Learn quantum computing and Q# programming with self-paced tutorials and exercises on GitHub.

[Try Copilot in Azure Quantum](#)

Accelerating materials discovery with AI and Azure Quantum Elements >

August 9, 2023 • 6 min read

By [Dr. Chi Chen](#), Senior Quantum Architect

[Dr. Nathan Baker](#), Senior Director, Partnerships for Chemistry and Materials

At Microsoft, we see great potential to accelerate chemistry and materials advances by integrating Azure's scaled HPC solutions with AI models tuned for scientific research. [Read more](#)

Azure



Azure Updates

Azure Blog



[Azure Operator Nexus](#), [Hybrid + Multicloud](#), [Thought leadership](#) Published September 7, 2023 • 6 min read

Unlocking the potential of in-network computing for telecommunication workloads

By [Victor Bahl](#) Technical Fellow and Chief Technology Officer, Azure for Operators

As we continue to explore the frontiers of in-network computing, we see a future rife with possibilities, exciting research directions, and new deployments in production environments. Our present efforts with TEA and ExoPlane have shown us what's possible with on-rack resource augmentation and elastic in-network computing.

[AI + Machine Learning](#), [Azure OpenAI Service](#), [Industry trends](#), [Thought leadership](#) Published August 28, 2023 • 4 min read

Welcoming the generative AI era with Microsoft Azure

By [Ben Ufuk Tezcan](#) Principal Program Manager, AI Platform

The advent of AI technologies like natural language processing and computer vision is far from just another business tool; it's a game-changer that's continuously expanding our horizons.

Updates & Announcements

- [Azure Load Testing now supports uploading large files as ZIP](#)
- [Azure Modeling and Simulation Workbench](#):: Public Preview
- [Azure Firewall Single-Click Upgrade and Downgrade](#) :: Generally Available
- [Azure Firewall: Auto-Learn SNAT routes feature](#) :: Public Preview
- [Azure Container Apps supports environment level mTLS encryption](#) :: Public Preview
- [Azure Front Door Standard and Premium support bring your own certificated based domain validation](#)
- [Export Cost Management data to secure storage accounts with firewall](#) :: Preview
- [Cross Subscription Restore for Azure Virtual Machines](#) :: Generally Available
- [Auto-upgrade scheduled maintenance for AKS](#) :: Generally Available

[Announcements](#), [Azure Compute](#), [Azure Orbital Ground Station](#), [Compute Networking](#), [Storage](#), [Thought leadership](#) Published September 11, 2023 • 6 min read

Accelerating the pace of innovation with Azure Space and our partners

By [Zach Kramer](#) Vice President Engineering, Azure

Together with our partners, we are rapidly innovating to provide every space operator with the solutions to solve persistent challenges in new ways and capture new opportunities in the rapidly expanding space sector.

[Azure AI](#), [Azure Machine Learning](#), [Hybrid + Multicloud](#), [Thought leadership](#) Published September 5, 2023 • 4 min read

Driving performance and enhancing services across Three UK's 5G network

By [Jason Hogg](#) GM, Azure for Operators

Azure Operator Insights enables carriers like Three UK to collect, organize, and process large datasets, providing valuable business insights and improving customer experiences, in part by optimizing the efficiency of time-to-insight. What would have previously taken weeks or months to assess, will now be possible to perform in minutes with AI.

[AI + Machine Learning](#), [Announcements](#), [Azure AI](#), [Azure OpenAI Service](#), [Customer stories](#) Published August 7, 2023 • 5 min read

Scale generative AI with new Azure AI infrastructure advancements and availability

By [Nidhi Chappell](#) General Manager, Azure AI Infrastructure, and [Eric Boyd](#) Corporate Vice President, AI Platform

We are excited to share a series of announcements that highlight Microsoft Azure's commitment to driving innovation and empowering businesses with cutting-edge AI solutions.

Azure Services Directory



Azure AI

Drive business results and improve customer experiences with AI solutions

Azure AI

- ❖ [Azure Applied AI Services](#) – Modernize business, Accelerate development, and run responsibly
- ❖ [Azure Cognitive Services](#) – New sophisticated AI models, Deploy anywhere – Cloud to Edge and all in between
- ❖ [Azure Machine Learning](#) – Develop in your choice of tools, Create and deploy models at scale, Innovate responsibly, and build with your frameworks and languages
- ❖ [Azure AI Infrastructure](#) – Purpose-built AI Supercomputing infrastructure for accelerating your innovation running [AI at scale](#).
- ❖ [AI models for Financial Services, Manufacturing, Retail, and Healthcare](#).
- ❖ [AI Business Solutions](#) – Knowledge Mining, Conversational AI, Document Process Automation, Machine Translation and Speech Transcript



Azure Cognitive Services

Add cognitive capabilities to apps with APIs and AI services

Azure Cognitive Services

- ❖ [Speech, Language, Vision, Decision, and Azure OpenAI Services](#) are all part of OpenAI and Cognitive Services
- ❖ [AI and Cognitive Services resources for developers](#)
- ❖ [Azure OpenAI and Azure Cognitive Search can be combined](#) to power application experiences like ChatGPT on enterprise data.
- ❖ Customizable, pretrained models built on responsible AI and security
- ❖ [Deploy Cognitive Services anywhere from cloud to edge with containers](#)
- ❖ [Microsoft's Florence foundation model](#) is a renaissance in computer vision AI



Azure OpenAI Service

Apply large language models and generative AI to a variety of use cases:

Azure OpenAI Service : Updates

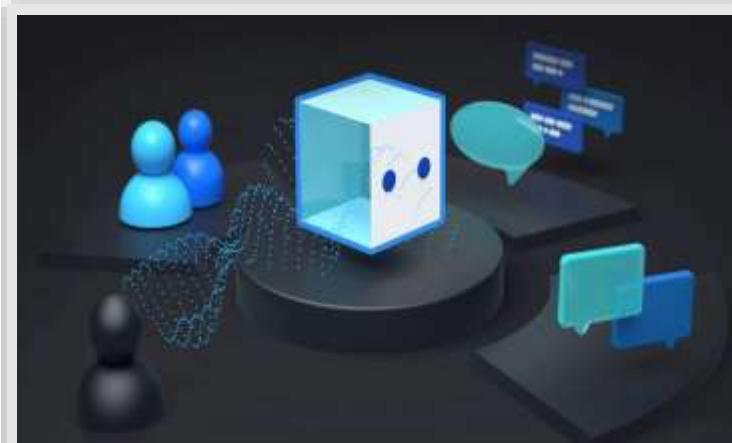
- ❖ [Power Apps with large-scale AI Models](#)
- ❖ [Apply pre-trained generative models to new scenarios](#) for language, code, reasoning, inferencing, and comprehension
- ❖ [GPT-4 now in Azure OpenAI Services](#)
- ❖ [New Service Models](#) grouped by family and capacity
- ❖ [Responsible AI – Data, Privacy, and Security](#) for Azure OpenAI Service
- ❖ [Azure Reliability tools and training](#) designed for operating Azure OpenAI and mission-critical systems
- ❖ [Safety built directly into Azure GPT-4 model](#)
- ❖ [GPT-4 and ChatGPT models on Azure](#)
- ❖ [Speech, Language, Vision, Decision, and Azure OpenAI Services](#) are all part of OpenAI and Cognitive Services

Azure Services Directory



Azure Operator Nexus

Build mission-critical mobile networks with carrier-grade, hybrid cloud platform



Azure AI Bot Service

Design and Build enterprise-grade AI Bots



Microsoft Purview

Govern, protect, and manage your data estate

Azure Operator Nexus

- ❖ purpose-built for operators' network-intensive workloads and mission-critical applications
- ❖ Operators can unify data governance and enforce security and compliance policies by [Azure Role based Access Control](#) and [Azure Policy](#).
- ❖ Optimize and scale next-generation 5G networks
- ❖ Enhance operations with AI-based analytics
- ❖ Create new revenue with the Azure ecosystem
- ❖ [AT&T runs its 5G Near Edge network functions on Azure Operator Nexus](#)

Azure AI Bot Service

- ❖ Build conversational experiences with [Power Virtual Agents](#) and [Azure AI Bot Service](#)
- ❖ [Collaboratively build bots with fusion teams](#)
- ❖ Fusion teams can easily extend bots for complex scenarios with [Bot Framework Composer](#).
- ❖ [Extend your reach with multiple channels and languages](#)
- ❖ Create multimodal and multichannel experiences
- ❖ Scale safely with centralized management
- ❖ Leverage [Bot Framework SDK](#) to build, test, deploy, and manage chatbots
- ❖ Use [Azure AI Services](#), [Azure AI Language](#), [Azure AI Vision](#), and [Azure AI Speech](#) for enhanced bots

Microsoft Purview

- ❖ [Create a unified map of data](#) across your entire data estate
- ❖ [Make data easily discoverable](#)
- ❖ [Discover, classify, and protect sensitive information wherever it lives or travels](#)
- ❖ [Get a bird's-eye view of sensitive data](#) with Data Estate Insights
- ❖ [Share data without having to make duplications](#)
- ❖ [Enable access to the right data for the right users](#)
- ❖ [Import and archive non-Microsoft data](#) and apply Microsoft 365 protections and governance
- ❖ [Purview Privileged Access Management](#)

Azure Services Directory



Azure Confidential Computing

Tamperproof, unstructured data store hosted in Trusted Execution Environments (TEE) and backed by cryptographically verifiable evidence

Azure Confidential Compute

- ❖ [Solutions to enable the isolation your sensitive data](#)
- ❖ [Confidential VMs with Application Enclaves](#) + [Confidential VMs](#) + [Confidential Containers](#)
- ❖ [Azure Confidential Ledger](#) : Tamper-proof register for storing sensitive data for record keeping and auditing or for data transparency in multi-party scenarios. It offers Write-Once-Read-Many guarantees, which make data non-erasable and non-modifiable. The service is built on Microsoft Research's [Confidential Consortium Framework](#).
- ❖ [Microsoft Azure Attestation](#) : a remote attestation service for validating the trustworthiness of multiple Trusted Execution Environments (TEEs) and verifying integrity of the binaries running inside the TEEs.



Azure Arc

Secure, develop, and operate infrastructure, apps, and Azure services anywhere

Azure Arc

- ❖ [View and run across datacenters, at the edge, and in multi-cloud environments](#)
- ❖ [Get up and running immediately with your existing tools](#) and practices including GitHub, Terraform, and Visual Studio.
- ❖ [Leverage Reference Architectures to cross environments, datacenters, and clouds](#)
- ❖ [Use Linux and Windows virtual machines \(VMs\), bare-metal servers, and other clouds with the same server management experience across environments.](#)
- ❖ [Meet governance and compliance standards for apps, infrastructure, and data with Azure Policy.](#)



Azure Sphere

Create, Connect, and maintain secured intelligent IoT devices from the edge to the cloud

Azure Sphere

- ❖ [Secured IoT platform for building solutions](#) : From Silicon, through the OS, and the Cloud
- ❖ [Develop, Connect, Manage and Protect intelligent devices](#)
- ❖ [Deploy updates, real-time security patches, OS Updates Over-the-Air \(OTA\)](#)
- ❖ [Solve industry-specific Chip-to-Cloud solutions](#) with advanced device security
- ❖ [Develop real-time capable apps](#)
- ❖ [Use Azure IoT and Azure Sphere for factory-floor operations](#)

Showcase of the Month



Microsoft Showcase Series



Sep 11, 2023 | Alex Fleck

[Enabling advanced HR analytics and AI with Microsoft Azure Data Lake](#)

We're on a mission to transform our human resources systems here at Microsoft. To make it happen, we're upgrading the way we use analytics and AI. Our digital transformation has been a twofold journey. First, we upgraded our core processes, providing efficient and effective self-service portals for our employees and powerful tools for our HR...



Sep 8, 2023 | Colin Mitchell

[Move to Microsoft Azure boosts Microsoft's inventory management system](#)

Turn on a device within Microsoft and there's a good chance that it's listed in OneAsset, Microsoft's inventory management system. Microsoft recently moved OneAsset to the cloud—a move that has dramatically improved system performance and sets the stage for future development. OneAsset is what you might call a very mission-critical app. "OneAsset is essentially the...

Sep 6, 2023 | Inside Track staff

[Improving security by protecting elevated-privilege accounts at Microsoft](#)

[Editor's note: This content was written to highlight a particular event or moment in time. Although that moment has passed, we're republishing it here so you can see what our thinking and experience was like at the time.] An ever-evolving digital landscape is forcing organizations to adapt and expand to stay ahead of innovative and...

Inside Track

Discover the inside story of how Microsoft Digital is powering, protecting and transforming Microsoft, helping you learn from our experiences and accelerate your own transformation.



Sep 5, 2023 | Josh Krenz

[Building an anti-ransomware program at Microsoft focused on an Optimal Ransomware Resiliency State](#)

Microsoft strives to deliver the productivity tools and services the world depends on. With this comes the responsibility of ensuring protection, continuity, and resilience from cyberattacks of all sorts—including emerging threats. Highlighted in the third edition of the Microsoft Digital Defense Report, ransomware and extortion are considered nation-level threats due to the sophistication and boldness...





ESI Training Journey

PDF documents outlining the right journey to your training needs: <https://aka.ms/pathways>

Microsoft Azure Training Journey

<https://aka.ms/ESIAzureTrainingJourney>

Microsoft Security, Compliance, and Identity Training Journey

<https://aka.ms/ESISecurityTrainingJourney>

Azure AI Engineer Learning Pathway
www.aka.ms/pathways

Getting started

Zero to hero in 4 weeks with Azure AI

What is Computer Vision?

Optical Character Recognition (OCR)

What is the Ink Recognizer API?

What is Form Recognizer?

Cognitive Service Containers

Process and classify images with the Azure Cognitive Vision Services

Quickstart: Build a classifier with the Custom Vision website

Quickstart: Build an object detector with the Custom Vision website

Deploy a model to Azure Container Instances

Additional Study

Computer Services

What are Azure Cognitive Services?

Quickstart: Create a Cognitive Services resource using the Azure portal

Provision and manage Azure Cognitive Services

Azure Cognitive Services - Privacy Policy

Manage Cognitive Services keys

Authenticate requests to Azure Cognitive Service

Computer Vision

What is Computer Vision?

Optical Character Recognition (OCR)

What is the Ink Recognizer API?

What is Form Recognizer?

Cognitive Service Containers

Process and classify images with the Azure Cognitive Vision Services

Quickstart: Build a classifier with the Custom Vision website

Quickstart: Build an object detector with the Custom Vision website

Deploy a model to Azure Container Instances

Natural Language

Batch testing with a set of example utterances

Publish your active, trained app to a staging or production endpoint

Deploy and run container on Azure Container Instance

Knowledge Mining

Introduction to Azure Cognitive Search

Implement knowledge mining with Azure Cognitive Search

Creating search indexes in Azure Cognitive Search

Create Indexer (Azure Cognitive Search REST API)

Autocomplete and Suggestions

Synonyms in Azure Cognitive Search

Search overview for Azure Cognitive Search

Scale for performance on Azure Cognitive Search

Data import overview - Azure Cognitive Search

Microsoft Learn

Prepare for AI engineering

Process and manage Azure Cognitive Services

Process and translate text with Azure Cognitive Services

Process and Translate Speech with Azure Cognitive Speech Services

Create a Language Understanding solution

Build a question answering solution

Build custom text analytics solutions

Create conversational AI solutions

Create computer vision solutions with Azure Cognitive Services

Extract text from images and documents

Implement knowledge mining with Azure Cognitive Search

Role Based Certification
Azure AI Engineer

AI-102: Designing and Implementing a Microsoft Azure AI Solution

Skills Measured (AI-102)

- Plan and manage an Azure AI solution (25–30%)
- Implement image and video processing solutions (15–20%)
- Implement natural language processing solutions (25–30%)
- Implement knowledge mining solutions (5–10%)
- Implement conversational AI solutions (15–20%)

Microsoft Learn

Click Here

Azure Connected Learning Experience

Microsoft Azure Connected Learning Experience (CLX) is an experiential training program that sets a trajectory for aspiring learners and working professionals to be Azure experts. The CLX program offers a personalized journey that aims to optimize learning experience while maximizing return on time invested.

Click Here

Microsoft Virtual Training Days

Build the technical skills you need with free Virtual Training Days.

Click Here

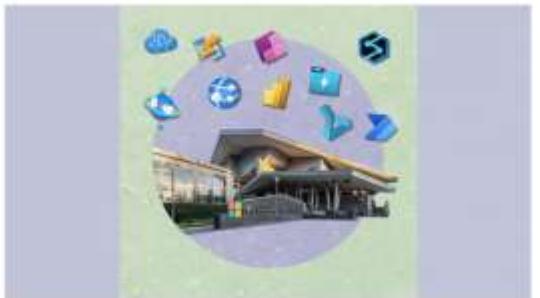
Microsoft AI Skills Initiative : Empower workers around the world



New skills for a new way of working

AI offers tremendous potential to empower workers around the world—but only if everyone, everywhere has the skills to use it.

[Introducing our AI Skills Initiative >](#)



Microsoft's approach to AI

You might not realize it, but you probably use artificial intelligence (AI) every day. AI is everywhere, and it's constantly changing how we work and play. Explore how AI is helping people create, solve complex problems, and benefit their communities.

[Watch the video](#)



Generative AI

Generative AI is simplifying our everyday. Learn how it works, what it can do, and how you can use it to unleash your creativity, unlock more productivity, and uplevel your skills.

[See it in action](#)



Generative AI

Discover the skills needed to apply generative AI in your career. Learn the core concepts of Artificial Intelligence and generative AI functionality.

- Develop an understanding of generative AI models.
- Learn the ethical considerations of using generative AI.
- Explore the impact of generative AI tools.

[Earn a Career Essentials in Generative AI Professional Certificate](#)



AI skills to help you achieve more

The new Skills for Jobs learning pathway offers free introductory generative AI content and coursework and allows learners to earn a Career Essentials Certificate that demonstrates their commitment to skill-building.

[Skills for Jobs learning pathways >](#)

Responsible AI

Microsoft is committed to a practice of responsible AI by design, guided by a core set of principles: fairness, reliability and safety, privacy and security, inclusiveness, transparency, and accountability.

[Learn more about responsible AI](#)



Harnessing the power of AI

As part of our Skills for Jobs program, Microsoft is focused on helping people around the world stay ahead of emerging skills gaps and succeed in an ever-changing digital economy.

[Learn more about Skills for Jobs >](#)

Microsoft Learning and Training:



Browse all learning paths and modules

Learn new skills and discover the power of Microsoft products with step-by-step guidance. Start your journey today by exploring our learning paths and modules.

A collage of learning module cards and a central callout for Microsoft Virtual Training Days.

LEARNING PATH
Microsoft Security, Compliance, and Identity Fundamentals: Describe the concepts of security, compliance, and identity management in Microsoft products. (43 min, Azure, Business User, Beginner)

MODULE
Explore Microsoft Teams (49 min, Microsoft 365, Administrator, Intermediate)

LEARNING PATH
PL-900: Microsoft Power Platform Fundamentals (7 hr 5 min, Dynamics 365, Business User, Beginner)

MODULE
Get started with AI on Azure (34 min, Azure, AI Engineer, Beginner)

MODULE
Introduction to Power BI (46 min, Microsoft Power Platform, Business Analyst, Beginner)

MODULE
Write your first C# code (17 min, .NET, Developer, Beginner)

Microsoft Virtual Training Days

Microsoft Events and Training: Updates



Microsoft Virtual Training Days

Events Catalog

Microsoft Ignite

The live show has ended, but preparations for the next Microsoft Ignite event have just begun. Mark your calendars for November 15–16, 2023, and sign up for registration notifications so you can secure your spot early.

[Get notified >](#)

TRAINING

Discover your path

Whether you're just starting or an experienced professional, our hands-on approach helps you arrive at your goals faster, with more confidence and at your own pace.

[Browse the full catalog](#)

[Customize my path](#)

Further your goals with Microsoft events

Whether you're a developer, IT professional, partner, educator, or business professional, we have plenty of Microsoft events specifically created with your growth in mind. Explore special events and learning opportunities created to help you expand your expertise, learn new skills, and build community.

Microsoft Azure Virtual Training Day: Linux OSS Database Migration

10/04/2023 | 16:00 (JST) -
10/05/2023 | 18:00 (JST)

Digital
Training

[Registration and details](#)

Microsoft Azure Virtual Training Day: AI Fundamentals

10/06/2023 | 17:00 - 20:30 (JST)

Digital
Training

[Registration and details](#)

Microsoft Security Virtual Training Day: Defend Against Threats and Secure Cloud Environments

10/09/2023 | 17:00 (JST) -
10/10/2023 | 18:55 (JST)

Digital
Training

[Registration and details](#)



New Training Initiative – Digital Skills for the Future

help professionals gain and demonstrate their skill

Build the skills you need to transition into a new tech job

LinkedIn and Microsoft have teamed up to provide free courses to help you find an in-demand tech role.

LinkedIn Learning

 Microsoft

Software Developer

Understand the core concepts and structure of programming languages and learn how they're applied.

Skills you'll learn:

- Programming core concepts
- Working with collections
- Using external code
- Finding and fixing bugs

[Earn a Career Essentials in Software Development Professional Certificate](#)



Data analyst

Explore foundational concepts used in data analysis and practice using software tools for data analytics and data visualization.

Skills you'll learn:

- Data gathering and cleaning
- SQL queries
- Quality data sets and visualizations
- Data analysis software tools

[Earn a Career Essentials in Data Analysis Professional Certificate](#)



Business analyst

Explore foundational business analysis concepts and understand key processes. Practice using software tools for common business analysis tasks.

Skills you'll learn:

- Agile principles
- Requirements for gathering and analysis
- Data science basics

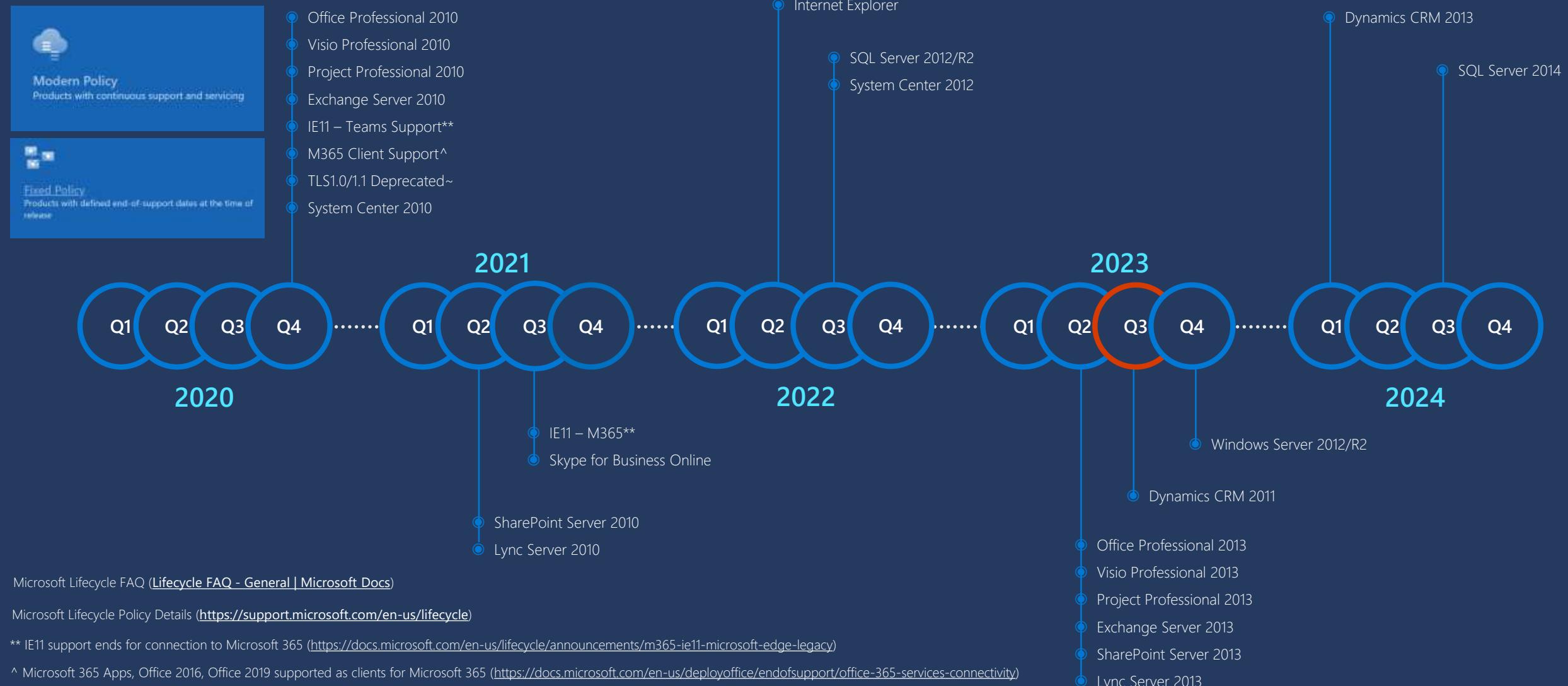
[Earn a Career Essentials in Business Analysis Professional Certificate](#)

Product Lifecycles





End of Service Roadmap to 2024



Microsoft Product Lifecycle: Modern Policy Products that will Retire



Products under Modern Policy that will Retire in 2023

Products that will Retire in 2023 (Modern Policy)	End of Support Date
Visio Services in SharePoint (in Microsoft 365)	February 10, 2023
Microsoft Store for Business and Education	March 31, 2023
Kaizala	August 31, 2023
Microsoft Azure Virtual Machine (classic) Scheduler for Microsoft 365	September 1, 2023

Products under Modern Policy that will Retire in 2024

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Azure Data Lake Storage Gen1	February 29, 2024
Azure Cloud Services (classic) Machine Learning Studio (classic)	August 31, 2024
Azure Database for MySQL Single Server	September 16, 2024
Azure Data Lake Storage Gen1	February 29, 2024

Announcements

- ⌚ Windows 11, version 21H2 end of servicing (Home & Pro)
- ⌚ Power BI Windows app for Surface Hub reaching retirement
- ⌚ Windows 10, version 22H2 end of support date updated
- ⌚ Windows 10, version 21H2 end of servicing (Home & Pro)
- ⌚ Windows 10, version 20H2 end of servicing (Enterprise, Education)
- ⌚ Microsoft Store for Business and Education retiring March 31, 2023

Lifecycle data export

Export all products

Export lifecycle data for all products by clicking below:

Export All Products

- ⌚ Windows Server 2012 and 2012 R2 reaching end of support
- ⌚ UPDATED: Support extended for Visio Services in SharePoint Online (aka Visio Web Access)
- ⌚ Windows 10, version 21H1 end of servicing
- ⌚ Deprecation of Basic Authentication (Basic Auth) in Exchange Online
- ⌚ Kaizala to be retired August 31, 2023
- ⌚ UPDATED: Windows Analytics retirement on January 31, 2020

[See more >](#)

Microsoft Product Lifecycle: Modern Policy Reaching End of Servicing



Products Release End of Servicing for 2023

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Microsoft Configuration Manager, Version 2107	February 2, 2023
FSLogix, Version 2210	March 3, 2023
Dynamics 365 Business Central on-premises (Modern Policy), 2021 release wave 2, version 19.x	April 12, 2023
Windows 10 Enterprise and Education, Version 20H2 Windows 10 IoT Enterprise, Version 20H2	May 9, 2023
Microsoft Configuration Manager, Version 2111	June 1, 2023
Windows 10 Home and Pro, Version 21H2	June 13, 2023
Microsoft Configuration Manager, Version 2203	October 6, 2023
Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 1, version 20.x Windows 11 Home and Pro, Version 21H2	October 10, 2023

Products Release End of Servicing for 2024

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Microsoft Configuration Manager, Version 2207	February 12, 2024
Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 2, version 21.x	April 14, 2024
Windows 10 Enterprise and Education, Version 21H2 Windows 10 IoT Enterprise, Version 21H2	June 11, 2024
Microsoft Configuration Manager, Version 2211	July 19, 2024
Dynamics 365 Business Central on-premises (Modern Policy), 2023 release wave 1, version 22.x Windows 11 Enterprise and Education, Version 21H2 Windows 11 Home and Pro, Version 22H2 Windows 11 IoT Enterprise, Version 21H2	October 8, 2024
Microsoft Configuration Manager, Version 2303	October 24, 2024
PowerShell, PowerShell 7.2 (LTS-current)	November 8, 2024
Azure IoT Edge, Version 1.4 (LTS) .NET 6.0 (LTS)	November 12, 2024
Microsoft Configuration Manager, Version 2207	February 12, 2024

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2023



Products Reaching End of Support for 2023

Products Moving to End of Support (Modern Policy)	End of Servicing Date	Products Moving to End of Support (Modern Policy)	End of Servicing Date
Dynamics AX 2012 R3 Dynamics NAV 2013 Dynamics NAV 2013 R2 Internet Information Services (IIS), IIS 8.5 on Windows 8.1 Microsoft Diagnostics and Recovery Toolset 8.0 Microsoft Report Viewer 2012 Runtime Microsoft Report Viewer Redistributable 2012 Microsoft Workflow Manager 1.0 Service Bus for Windows Server User Experience Virtualization (UE-V) 1.0 Visual Studio 2012 Visual Studio Team Foundation Server 2012 Windows 7, Extended Security Update Year 3* Windows 8.1 Windows Defender For Windows 8 and 8.1 Windows Embedded 8.1 Pro Windows RT Windows Server 2008, Extended Security Update Year 3 Windows Server 2008 R2, Extended Security Update Year 3	January 10, 2023	BizTalk Server 2013 BizTalk Server 2013 R2 Dynamics 365 for Customer Engagement Apps, version 9 (on-premises update), Original Release (ver 9.0) Microsoft BitLocker Administration and Monitoring 2.0 Microsoft SQL Server 2008, Extended Security Update Year 4 (Azure only) Microsoft SQL Server 2008 R2, Extended Security Update Year 4 (Azure only) Microsoft SQL Server 2012, Extended Security Update Year 1 Visual Studio 2022 , Version 17.0 (LTSC channel) Windows Embedded 8 Standard Windows Embedded 8.1 Industry	July 11, 2023
Access 2013 Dynamics GP 2013 Dynamics GP 2013 R2 Excel 2013 Exchange Server 2013 HPC Pack 2012 HPC Pack 2012 R2 Lync 2013 Microsoft Lync Phone Edition Microsoft Lync Server 2013 Microsoft Office 2013 Microsoft OneNote 2013 Outlook 2013 PowerPoint 2013 Project 2013 Project Server 2013 Publisher 2013 SharePoint Foundation 2013 SharePoint Server 2013 Skype for Business 2015 Visio 2013 Word 2013	April 11, 2023	Excel 2019 for Mac Hyper-V Server 2012 Hyper-V Server 2012 R2 Internet Explorer 7 Internet Information Services (IIS), IIS 8 on Windows Server 2012 Internet Information Services (IIS), IIS 8.5 on Windows Server 2012 R2 Microsoft Office 2019 for Mac Microsoft Office Audit and Control Management Server 2013 Outlook 2019 for Mac PowerPoint 2019 for Mac Windows Embedded Compact 2013 Windows Embedded POSReady 7, Extended Security Update Year 2* Windows Embedded Standard 7, Extended Security Update Year 3* Windows MultiPoint Server 2012 Windows Server 2012 Windows Server 2012 R2 Windows Server Update Services for Windows Server 2012 Windows Server Update Services for Windows Server 2012 R2 Windows Storage Server 2012 Windows Storage Server 2012 R2 Word 2019 for Mac	October 10, 2023

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2024



Products Reaching End of Support for 2024

Products Moving to End of Support (Modern Policy)	End of Servicing Date
Dynamics CRM 2013 Microsoft Host Integration Server 2013 Visual Studio 2022 , Version 17.2 (LTSC channel) Windows Server 2008, Extended Security Update Year 4 (Azure only) Windows Server 2008 R2, Extended Security Update Year 4 (Azure only)	January 9, 2024
Microsoft Deployment Agent 2013 Microsoft Diagnostics and Recovery Toolset 8.1 Test Agent, Controller User Experience Virtualization (UE-V) 2.0 Visual Studio 2013 Visual Studio Team Foundation Server 2013	April 9, 2024
Microsoft SQL Server 2012, Extended Security Update Year 2 SQL Server 2014	July 9, 2024
Visual Studio 2022 , Version 17.4 (LTSC channel)	July 11, 2024
Microsoft SQL Server 2012 Parallel Data Warehouse (Analytics Platform System) Windows Embedded POSReady 7, Extended Security Update Year 3* Windows Server 2012, Extended Security Update Year 1 Windows Server 2012 R2, Extended Security Update Year 1	October 8, 2024

Microsoft Product Lifecycle: Products moving to Extended Support



Products Moving to Extended Support for 2023

Products Moving to Extended Support (Fixed Policy)	End of Support Date
Dynamics GP 2018 Dynamics GP 2018 R2 Dynamics NAV 2018 Visual Studio Team Foundation Server 2018	January 10, 2023
Access 2019 Dynamics 365 Business Central on-premises (Fixed Policy) Excel 2019 Microsoft Office 2019 OneNote 2016 Outlook 2019 PowerPoint 2019 Project 2019 Publisher 2019 Visio 2019 Word 2019	October 10, 2023

Products Moving to Extended Support for 2024

Products Moving to Extended Support (Fixed Policy)	End of Support Date
Dynamics SL 2018 Exchange Server 2019 Hyper-V Server 2019 Project Server 2019 SharePoint Server 2019 Skype for Business 2019 Skype for Business Server 2019 Windows 10 Enterprise LTSC 2019 Windows 10 IoT Core LTSC Windows 10 IoT Enterprise LTSC 2019 Windows 10 IoT LTSC 2019 Core Windows Server 2019 Windows Server IoT 2019 Windows Server IoT 2019 for Storage	January 9, 2024
Azure DevOps Server 2019 System Center 2019 Data Protection Manager System Center 2019 Operations Manager System Center 2019 Orchestrator System Center 2019 Service Manager System Center 2019 Virtual Machine Manager Visual Studio 2019	April 9, 2024



Acquisitions and Announcements

Microsoft Acquisitions - 2023



Company	Date	Description
Fungible	01-09-2023	<p>Fungible Inc., a provider of composable infrastructure aimed at accelerating networking and storage performance in datacenters with high-efficiency, low-power data processing units (DPUs). Fungible's technologies help enable high-performance, scalable, disaggregated, scaled-out datacenter infrastructure with reliability and security. The Fungible team will join Microsoft's datacenter infrastructure engineering teams and will focus on delivering multiple DPU solutions, network innovation and hardware systems advancements.</p>

Microsoft Acquisitions - 2022



Company	Date	Description
Lumenisity	12-09-2022	Lumenisity® Limited , a leader in next-generation hollow core fiber (HCF) solutions. Lumenisity's innovative and industry-leading HCF product can enable fast, reliable and secure networking for global, enterprise and large-scale organizations. The acquisition will expand Microsoft's ability to further optimize its global cloud infrastructure and serve Microsoft's Cloud Platform and Services customers with strict latency and security requirements .
Miburo	06-14-2022	Miburo will enhance Microsoft's Cybersecurity and Threat Analysis capabilities. The addition of Miburo will enable Microsoft to expand its threat detection and analysis capabilities to address new cyber-attacks and shed light on the ways in which foreign actors use information operations in conjunction with other cyber-attacks to achieve their objectives. Miburo is a leading expert in the identification of foreign information operations . Miburo's research teams detect and attribute malign and extremist influence campaigns across 16 languages . The combination of Microsoft and Miburo will help to stop foreign adversaries from threatening public and private sector customers and, in fact, the very foundations of our democracy.
Minit	03-31-2022	Minit currently enables businesses to transform the way they analyze, monitor and optimize their processes . Minit's solutions have helped businesses gain deep insights into how processes run , uncover root causes of operational challenges and help mitigate undesired process outcomes. This acquisition will further empower Microsoft to help our customers digitally transform and drive operational excellence by creating a complete picture of their business processes, enabling every process to be easily and automatically analyzed and improved. Customers will be able to better understand their process data, uncover what operations look like in reality and drive process standardization and improvement across the entire organization to ensure compliance at every step .
Oribi	02-28-2022	Microsoft's LinkedIn will acquire Oribi , an Israel based marketing analytics company , to further help customers, from marketers to recruiters, gain actionable insights, make smarter decisions and drive business results . The integration of LinkedIn and Oribi will accelerate Microsoft's marketing attribution and codeless analytics capabilities .
Activision Blizzard	01-18-2022	Microsoft announced plans to acquire Activision Blizzard Inc. (Nasdaq: ATVI), a leader in game development and interactive entertainment content publisher. This acquisition will accelerate the growth in Microsoft's gaming business across mobile, PC, console and cloud and will provide building blocks for the metaverse . "The combination of Activision Blizzard's world-class talent and extraordinary franchises with Microsoft's technology, distribution, access to talent, ambitious vision and shared commitment to gaming and inclusion will help ensure our continued success in an increasingly competitive industry."

Microsoft Acquisitions - 2021



Company	Date	Description
Xandr	12-21-2021	Microsoft will acquire Xandr from AT&T . Xandr provides a data-enabled technology platform with tools that help power a diverse ecosystem connecting marketers and media owners through first-party, data-led advertising solutions across its network. With Xandr, Microsoft can accelerate the delivery of digital advertising solutions for the open web by combining Microsoft's audience understanding, technology and global advertising customer base with Xandr's large-scale, data-driven platforms for advertising.
Two Hat	10-29-2021	Two Hat , a leading content moderation solution provider offering protection measures for online communities. Two Hat's technology has helped to make global communities in Xbox, Minecraft and MSN safer for users.
Clear Software	10-22-2021	Clear Software provides iPaaS and business process solutions with strong connectivity into SAP and Oracle . Clear Software's API access and system knowledge will strengthen Microsoft Power Platform's integration with outside systems and accelerate how customers leverage data and processes that reside beyond Microsoft first-party services.
Ally.IO	10-07-2021	Ally.io , a leading OKR (objectives and key results) company, will join the Microsoft Viva family as part of our employee experience platform (EXP) designed to help companies embrace the new digital work life. Ally.io will power a new Microsoft Viva module . Viva is an employee experience platform that brings together communications, knowledge, learning, resources and insights – from anywhere you work. Powered by Microsoft 365 and Microsoft Teams , Viva helps organizations foster a culture of human connection, growth, well-being and success.
TakeLessons	09-08-2021	We're so excited to announce that TakeLessons has been acquired by Microsoft . We believe this will further support TakeLessons' mission: to empower people to learn, connect, grow, and live more meaningful lives through education .
Clipchamp	09-07-2021	Clipchamp is a natural fit to extend the cloud-powered productivity experiences in Microsoft 365 for individuals, families, schools, and businesses. It's also a great fit for Microsoft Windows, which is a platform for boundless creativity. Clipchamp's template-driven, task-focused user experience gives everyone the confidence that they can create. Its rich library of filters, styles, transitions, and stock media combined with the power of a multi-track audio and video compositing editor gives everyone the fine control they need, and artistic help if they need it, to create exactly what they want, quickly and with confidence .
Peer5	08-10-2021	Peer5 expands Microsoft's ability for delivering secure, high-quality, large-scale live video streaming with optimized network performance in Teams . Peer5 offers a WebRTC-based eCDN solution that runs in-browser to optimize bandwidth usage helping mitigate impacts to network and line of business (LOB) applications. Its mesh networks are self-balancing and automatically scale as the number of viewers increase.

Microsoft Acquisitions - 2021



Company	Date	Description
Suplari	07-28-2021	Suplari , a leading provider of supplier spend insights . Suplari enables companies to proactively manage supplier spend by transforming data from multiple sources , such as contracts, purchase orders, invoices, expenses, and supplier risk, into valuable insight. By bringing Suplari's spend intelligence insights together with the existing Microsoft Dynamics 365 capabilities, Microsoft is further helping organizations become insight-driven and enabling business leaders to take strategic action.
CloudKnox	07-21-2021	Enhanced Zero-Trust controls. The acquisition of CloudKnox further enables Microsoft Azure Active Directory customers with granular visibility, continuous monitoring and automated remediation for hybrid and multi-cloud permissions . Microsoft is committed to providing our customers with unified privileged access management, identity governance and entitlement management. With this Cloudknox, Microsoft is uniquely positioned to empower and defend the future of hybrid work and multi-cloud environments, providing essential visibility, control and monitoring Zero Trust demands .
RiskIQ	07-12-2021	A leader in global threat intelligence and attack surface management , to help our shared customers build a more comprehensive view of the global threats to their businesses, better understand vulnerable internet-facing assets, and build world-class threat intelligence. RiskIQ offers global threat intelligence collected from across the internet, crowd-sourced through its PassiveTotal community of security researchers and analyzed using machine learning . The combination of RiskIQ's attack surface management and threat intelligence empowers security teams to assemble, graph, and identify connections between their digital attack surface and attacker infrastructure and activities, to help provide increased protection and faster response .
ReFirm Labs	06-02-2021	ReFirm Labs is joining Microsoft to enrich our firmware analysis and security capabilities across devices that form the intelligent edge, from servers to IoT . This acquisition marks the next step in our journey and ability to help secure customers from the chip to the cloud , backed by more than 3,500 defenders at Microsoft and the >8 trillion security signals we process every day. ReFirm are the authors of the well-respected Binwalk open-source software , which has been used to analyze thousands of device types for firmware security issues , uncovering unpatched common vulnerabilities and exposures (CVEs), insecure secrets, and a multitude of other security problems in plugin IoT devices and embedded firmware. Microsoft acquires ReFirm Labs to enhance IoT security - Microsoft Security
Kinvolk	04-29-2021	Kinvolk has a rich, innovative history in open source cloud-native distributed computing, including Kubernetes, eBPF, community building, and container-optimized Linux . Kinvolk will be key contributors to the engineering development of Azure Kubernetes Service (AKS) , Azure Arc , and future projects that will expand Azure's hybrid container platform capabilities and increase Microsoft's upstream open source contributions in the Kubernetes and container space.
Nuance	04-12-2021	Nuance is a cloud software pioneer and a leading provider of conversational AI and ambient clinical intelligence. Nuance provides AI expertise and intelligent customer engagement across Interactive Voice Response (IVR), virtual assistants, and digital and biometric solutions to some of the largest organizations in the world. Nuance's global customer and partner base spans nearly every industry, and together we are well-positioned to advance our AI capabilities with high-value solutions and a platform to support our customers' and partners' future innovation .
The Marsden Group	03-16-2021	The Marsden Group is a leader in industrial technology innovation and rapid prototyping. The Marsden Group has earned a unique reputation as a powerful and trusted partner among industry leaders who seek to quickly identify business needs, ideate technology solutions and build high-quality prototypes tailored to individual customer needs . The Marsden Group has helped its enterprise customers rapidly envision, prototype and implement solutions that drive meaningful value to their businesses, employees and customers .



Microsoft Acquisitions - 2020

Company	Date	Description
<u>ZeniMax Media</u>	09-21-2020	ZeniMax Media, the parent company of Bethesda Softworks , one of the largest privately held game developers and publishers in the world . Creators of critically acclaimed and best-selling gaming franchises including The Elder Scrolls, Fallout and many others , Bethesda brings an impressive portfolio of games, technology and talent — as well as a track record of blockbuster commercial success — to Xbox.
<u>Orions Systems</u>	07-07-2020	Orions Systems, a pioneer in the development of large-scale, hybrid, smart vision systems focused on “human-in-the-loop” machine teaching combined with services that can adapt to running on a single device or scale to address large scale edge-to-cloud network topologies . The Power Platform and Orions Systems is enabling intelligent retail spaces by leveraging observational data to unlock the full potential of customers, employees, and assets.
<u>CyberX</u>	06-22-2020	CyberX will complement the existing <u>Azure IoT security</u> capabilities and extends to existing devices including those used in industrial IoT, Operational Technology and infrastructure scenarios . With CyberX, customers can discover their existing IoT assets, and both manage and improve the security posture of those devices . CyberX, customers can see a digital map of thousands of devices across a factory floor or within a building and gather information about their asset profile and vulnerabilities,
<u>ADRM Software</u>	06-18-2020	ADRM Software is a leading provider of large-scale industry data models , which are used by large companies worldwide as information blueprints. ADRM's robust industry data models have been built and refined over decades for business-critical analytics. Together with Microsoft Azure, these capabilities will be delivered at scale , enabling our customers to accelerate digital progress, and reduce risk in a variety of major initiatives.
<u>Softomotive</u>	05-19-2020	<u>Softomotive</u> currently helps more than 9,000 global customers seamlessly automate business processes across legacy and modern desktop applications . Together with Power Automate, WinAutomation will provide customers additional options for RPA desktop authoring so anyone can build a bot and automate Windows-based tasks.
<u>Metaswitch Networks</u>	05-14-2020	<u>Metaswitch Networks</u> , a leading provider of virtualized network software and voice, data and communications solutions for 5G operators .
<u>Corp.Com</u>	04-07-2020	"To help in keeping systems protected we encourage customers to practice safe security habits when planning for internal domain and network names. We released a security advisory in June of 2009 and a security update that helps keep customers safe. In our ongoing commitment to customer security, we also acquired the Corp.com domain."
<u>Affirmed Networks</u>	03-26-2020	Affirmed Networks with its leadership in virtualized 5G mobile networks . Affirmed Networks and Microsoft will play an important role in helping advance 5G and deliver new network solutions that offer step-change advancements in speed, cost and security. This combination of technology leaders will enable a host of new opportunities for businesses and society, including autonomous vehicles, smart cities, virtual reality and a range of other smart industry use cases and services .

Microsoft Acquisitions - 2019



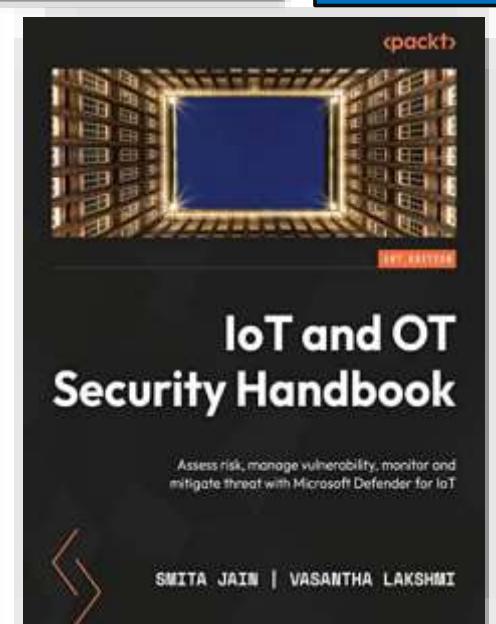
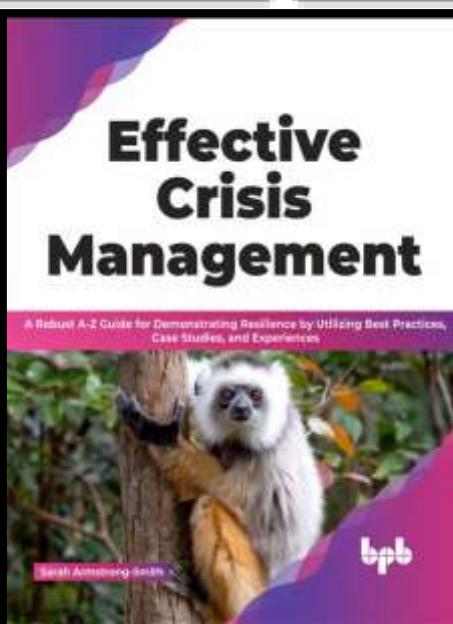
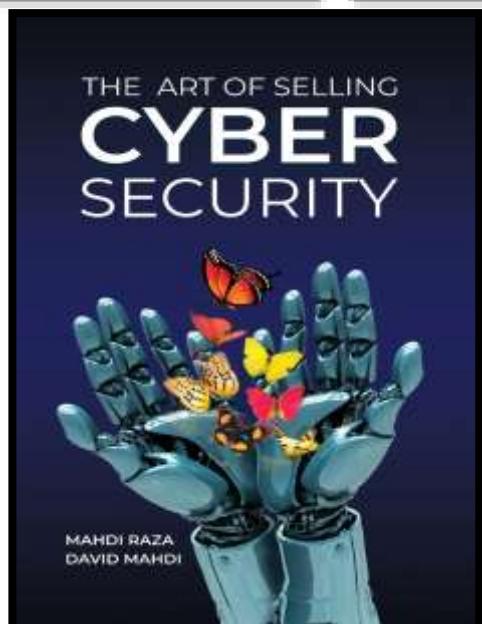
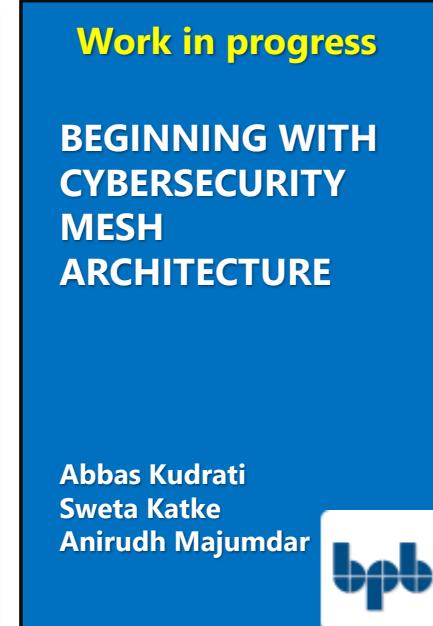
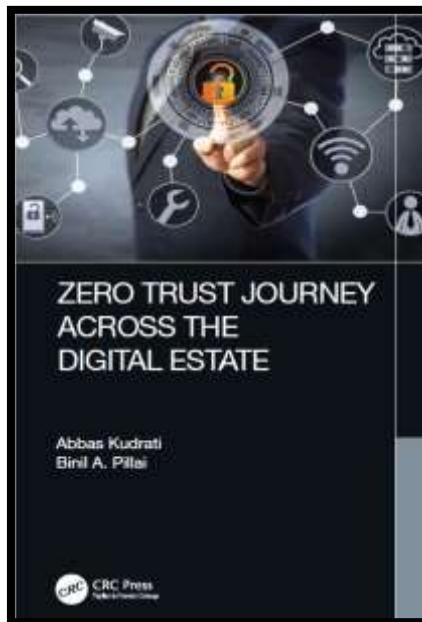
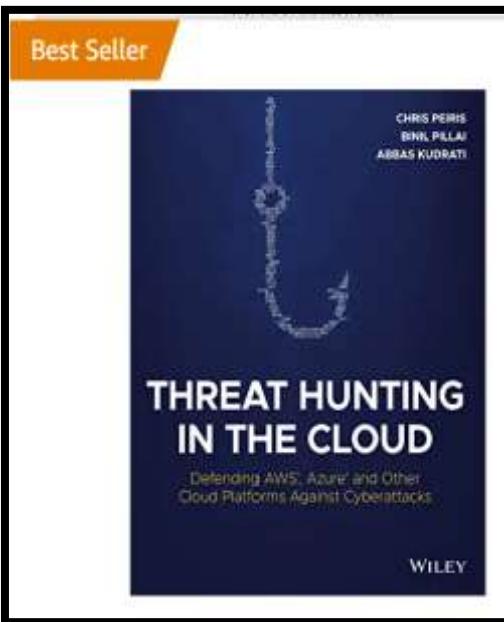
Company	Date	Description
Movere	10-21-2019	Movere accelerates cloud migrations. It increases business intelligence by accurately presenting entire IT environments within a single day , providing enterprises with the confidence they need to have visibility and control of their environments regardless of platform, application or geography as organizations grow, change and digitally optimize .
Semmle	09-18-2019	Semmle's revolutionary semantic code analysis engine allows developers to write queries that identify code patterns in large codebases and search for vulnerabilities and their variants . Semmle is trusted by security teams at Uber, NASA, Microsoft, Google , and has helped find thousands of vulnerabilities in some of the largest codebases in the world , as well as over 100 CVEs in open source projects to date.
JClarity	08-19-2019	The leading contributor to the AdoptOpenJDK project , to support their continued contributions to open source while driving increased performance for Java workloads on Azure . The team, formed by Java champions and data scientists with proven expertise in data driven Java Virtual Machine (JVM) optimizations , will help teams at Microsoft to leverage advancements in the Java platform.
PromotelQ	08-05-2019	The leading provider of vendor marketing technology to online retailers and brands . PromotelQ has pioneered the private marketplace approach to digital vendor marketing. PromotelQ's technology strategically complements Microsoft's current retail advertising offerings, and can enable retailers with a portfolio of technology solutions to modernize their e-commerce platforms and maximize their monetization opportunity. Retailers such as Kroger, Kohl's and Overstock.com — will continue to benefit from the PromotelQ platform and team.
BlueTalon	07-29-2019	A leading provider of Unified Data Access Control solutions for modern data platforms . BlueTalon works with leading Fortune 100 companies to eliminate data security blind spots and gain visibility and control of data. BlueTalon provides a customer-proven, data-centric solution for data access management and auditing across the diverse systems resident in modern data estates.
PullPanda^	06-17-2019	PullPanda^ helps teams create more efficient and effective code review workflows on GitHub . Better code reviews mean better code for software teams of all sizes, whether you work in open source or on a Fortune 500 team. PullPanda^ gives teams a better way to manage reviews, reduce turnaround times, and ship code faster .
Double Fine Productions	06-09-2019	Double Fine is a beacon of creativity and spirit in game development for almost 20 years with classic games like Psychonauts, Brütal Legend and Broken Age . At the root of every game is an emphasis on creating crazy worlds with originality, story and fun. That commitment to creating a unique, player-centric experience is what drew us to the studio, and I'm looking forward to seeing what we create together.
Drawbridge Solutions	05-28-2019	LinkedIn will integrate Drawbridge's technology into our marketing solutions portfolio to help our customers better reach and understand their professional audiences and measure the ROI of their campaigns.
Dependabot	05-23-2019	Dependabot is integrated directly into GitHub and will monitor your dependencies for known security vulnerabilities and automatically open pull requests to update them to the minimum required version. We are rolling out automated pull requests to all accounts with security alerts enabled along with other enhancements in the coming months.



Microsoft Acquisitions – 2019 & late 2018

Company	Date	Description
Express Logic	04-18-2019	a leader in real time operating systems (RTOS) for IoT and edge devices powered by microcontroller units (MCUs) . Express Logic's ThreadX RTOS has over 6.2 billion deployments, making it one of the most deployed RTOS in the world per VDC Research . This widespread popularity is driven by demand for technology to support resource constrained environments, especially those that require safety and security.
DataSense	02-04-2019	The integration of DataSense into Microsoft's suite of products, we will help educational institutions – and school and district IT leaders in particular – better collect, manage and explicitly control access to their data within Azure to help drive the best possible learning outcomes for their students. Read more at https://educationblog.microsoft.com/en-us/2019/02/introducing-datasense-to-microsoft-educations-family-of-products/#E6CKQEBUjS35TOH4.99
Citus Data	01-24-2019	a leader in the PostgreSQL community. Citus is an innovative open source extension to PostgreSQL that transforms PostgreSQL into a distributed database, dramatically increasing performance and scale for application developers . Because Citus is an extension to open source PostgreSQL, it gives enterprises the performance advantages of a horizontally scalable database while staying current with all the latest innovations in PostgreSQL . Citus is available as a fully-managed database as a service, as enterprise software, and as a free open source download.
FSLogix	11-19-2018	FSLogix is a next-generation app-provisioning platform that reduces the resources, time and labor required to support virtualization . From small businesses to very large global enterprises across numerous industries, FSLogix solutions enhance customer experience and productivity, while reducing support requirements for IT departments.
XOXCO	11-14-2018	A software product design and development studio known for its conversational AI and bot development capabilities . The company has been paving the way in conversational AI since 2013 and was responsible for the creation of Howdy , the first commercially available bot for Slack that helps schedule meetings, and Botkit, which provides the development tools used by hundreds of thousands of developers on GitHub . Over the years, we have partnered with XOXCO and have been inspired by this work.
Obsidian	11-10-2018	The studio quickly made a name for itself with the Xbox exclusive Star Wars: Knights of the Old Republic II: The Sith Lords . Over the last fifteen years, they have delivered genre-defining RPGs to players on both console and PC through titles including <i>Fallout: New Vegas</i> , <i>South Park: The Stick of Truth</i> , and <i>Pillars of Eternity</i> . Read more at https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99
InXile	11-10-2018	Like Obsidian, InXile excels at creating vast worlds for players to explore with titles such as Wasteland 2, Torment: Tides of Numenera, Bard's Tale IV and the upcoming Wasteland 3 . Read more at https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99
Lobe	09-13-2018	Lobe makes deep learning simple, understandable and accessible to everyone. Lobe's simple visual interface empowers anyone to develop and apply deep learning and AI models quickly, without writing code .

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