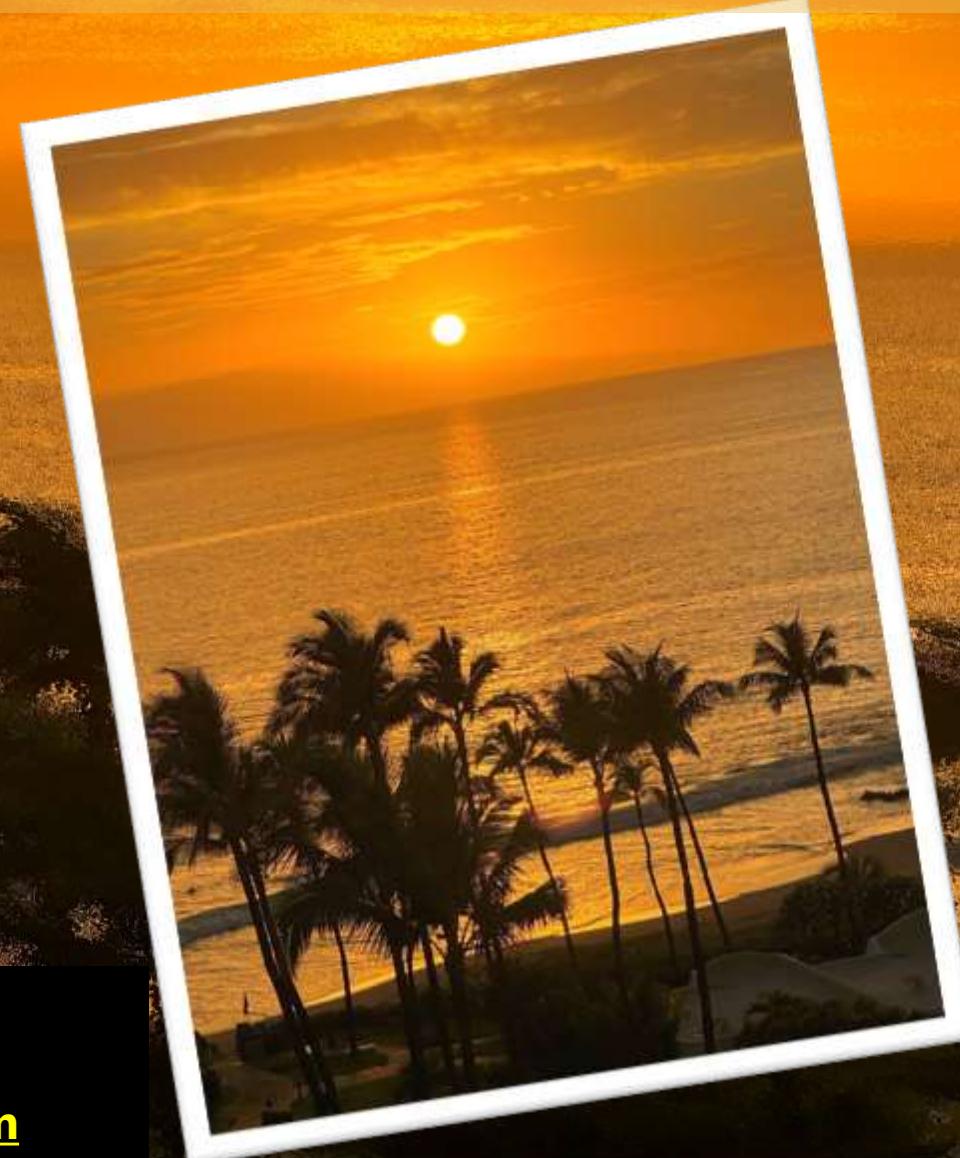




Monthly Tech Briefing

JUNE 2024



Abbas Kudrati
Chief Cybersecurity Advisor
Abbas.Kudrati@microsoft.com
[https://aka.ms/abbas \(new\)](https://aka.ms/abbas)

- Microsoft Build – May 2024
- Microsoft Ignite – November 2024
- 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

- Industry Blogs
- Industry Cloud Announcements
- Azure Updates
- Microsoft Research Blog
- Microsoft Quantum Computing



Product Lifecycles

- Products Reaching End of Support in 2024-2028
- Companies and Technologies Acquired Since 2018

Acquisitions and Announcements

10 AI terms everyone should know

By Susanna Ray

The term "AI" has been used in computer science since the 1950s, but most people outside the industry didn't start talking about it until the end of 2022. That's because recent advances in machine learning led to big breakthroughs that are beginning to have a profound impact on nearly every aspect of our lives. We're here to help break down some of the buzzwords so you can better understand AI terms and be part of the global conversation.

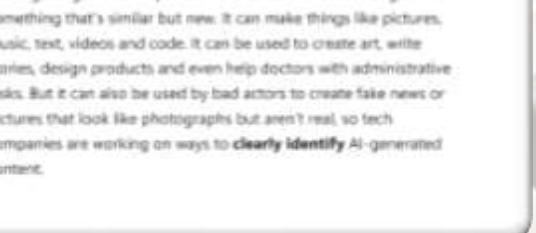
3. Large language models

Large language models, or LLMs, use machine learning techniques to help them process language so they can mimic the way humans communicate. They're based on neural networks, or NNs, which are computing systems inspired by the human brain — sort of like a bunch of nodes and connections that simulate neurons and synapses. They are trained on a massive amount of text to learn patterns and relationships in language that help them use human words. Their problem-solving capabilities can be used to translate languages, answer questions in the form of a chatbot, summarize text and even write stories, poems and computer code. They don't have thoughts or feelings, but sometimes they sound like they do, because they've learned patterns that help them respond the way a human might. They're often fine-tuned by developers using a process called reinforcement learning from human feedback (RLHF) to help them sound more conversational.



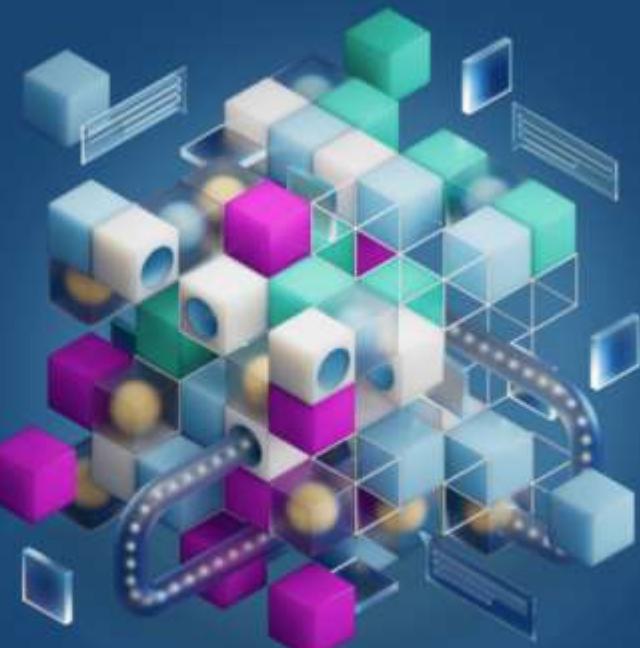
4. Generative AI

Generative AI leverages the power of large language models to make new things, not just regurgitate or provide information about existing things. It learns patterns and structures and then generates something that's similar but new. It can make things like pictures, music, text, videos and code. It can be used to create art, write stories, design products and even help doctors with administrative tasks. But it can also be used by bad actors to create fake news or pictures that look like photographs but aren't real, so tech companies are working on ways to **clearly identify** AI-generated content.



1. Artificial intelligence

Artificial Intelligence is basically a super-smart computer system that can imitate humans in some ways, like comprehending what people say, making decisions, translating between languages, analyzing if something is negative or positive, and even learning from experience. It's artificial in that its intellect was created by humans using technology. Sometimes people say AI systems have digital brains, but they're not physical machines or robots — they're programs that run on computers. They work by putting a vast collection of data through algorithms, which are sets of instructions, to create models that can automate tasks that typically require human intelligence and time. Sometimes people specifically engage with an AI system — like asking Bing Chat for help with something — but more often the AI is happening in the background all around us, suggesting words as we type, recommending songs in playlists and providing more relevant information based on our preferences.



2. Machine learning

If artificial intelligence is the goal, machine learning is how we get there. It's a field of computer science, under the umbrella of AI, where people teach a computer system how to do something by training it to identify patterns and make predictions based on them. Data is run through algorithms over and over, with different input and feedback each time to help the system learn and improve during the training process — like practicing piano scales 10 million times in order to sight-read music going forward. It's especially helpful with problems that would otherwise be difficult or impossible to solve using traditional programming techniques, such as recognizing images and translating languages. It takes a huge amount of data, and that's something we've only been able to harness in recent years as more information has been digitized and as computer hardware has become faster, smaller, more powerful and better able to process all that information. That's why large language models that use machine learning — such as Bing Chat and ChatGPT — have suddenly arrived on the scene.

5. Hallucinations

Generative AI systems can create stories, poems and songs, but sometimes we want results to be based in truth. Since these systems can't tell the difference between what's real and fake, they can give inaccurate responses that developers refer to as hallucinations or confabulations — much like if someone saw what looked like the outline of a face on the moon and began saying there was an actual man in the moon. Developers try to resolve these issues through "grounding," which is when they provide an AI system with additional information from a trusted source to improve accuracy about a specific topic. Sometimes a system's predictions are wrong, too, if a model doesn't have current information after it's trained.

10 (more) AI terms everyone should know

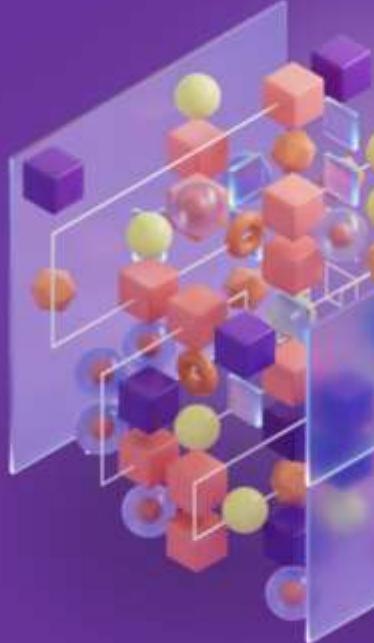
by Susanna Ray

SLM/small language model

Small language models, or SLMs, are pocket-sized versions of [large language models](#), or LLMs. They both use machine learning techniques to help them recognize patterns and relationships so they can produce realistic, natural language responses. But while LLMs are enormous and need a hefty dose of computational power and memory, SLMs [such as Phi-3](#) are trained on smaller, curated datasets and have fewer parameters, so are more compact and can even be used offline, without an internet connection. That makes them great for apps on devices like a laptop or phone, where you might want to ask basic questions about pet care but don't need to dive into the detailed, multi-step reasoning of how to train seeing-eye dogs.

Training/inference

To create and use an AI system, there are two steps: training and inference. Training is sort of like an AI system's education, when it is fed a dataset and learns to perform tasks or make predictions based on that data. For example, it might be given a list of prices for homes recently sold in a neighborhood, along with the number of bedrooms and bathrooms in each and a multitude of other variables. During training, the system adjusts its internal parameters, which are values that determine how much weight to give each of those factors in influencing pricing. Inference is when it uses those learned patterns and parameters to come up with a price prediction for a new home about to go on the market.



Retrieval Augmented Generation (RAG)

When developers give an AI system access to a grounding source to help it be more accurate and current, they use a method called Retrieval Augmented Generation, or RAG. The RAG pattern saves time and resources by adding extra knowledge without having to retrain the AI program. It's as if you're Sherlock Holmes and you've read every book in the library but haven't cracked the case yet, so you go up to the attic, unroll some ancient scrolls, and voilà — you find the missing piece of the puzzle. Similarly, if you've got a clothing company and want to create a chatbot that can answer questions specific to your merchandise, you can use the RAG pattern over your product catalog to help customers find the perfect green sweater from your store.

Transformer models and diffusion models

People have been teaching AI systems to understand and generate language for decades, but one of the breakthroughs that accelerated recent progress was the transformer model. Among generative AI models, transformers are the ones that understand context and nuance the best and fastest. They're eloquent storytellers, paying attention to patterns in data and weighing the importance of different inputs to help them quickly predict what comes next, which enables them to generate text. A transformer's claim to fame is that it's the T in ChatGPT — Generative Pre-trained Transformer. Diffusion models, generally used for image creation, add a twist by taking a more gradual and methodical journey, diffusing pixels from random positions until they're distributed in a way that forms a picture asked for in a prompt. Diffusion models keep making small changes until they create



How will AI shape your future?

In Seattle and online: May 21–23, 2024

Save the date

In Seattle and Online: May 21-23, 2024 PT

Learn from experts, get hands-on with AI, and make connections with peers, Microsoft engineers, and industry leaders. Mark your calendar.

[Register now](#)



Expand your knowledge with live keynotes

Microsoft Learn Cloud Skills Challenge

Earn a free certification exam by completing one of the unique collections on Microsoft Learn. The challenge is on until June 20, 2023, so be sure to register today!

[Start now >](#)

Dive deeper in breakout sessions

Microsoft Build



Work with experts to find solutions

Make connections and grow your future

MICROSOFT BUILD BOOK OF NEWS

May 21 - 23, 2024

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Visual Assets

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2. Copilot at Work

- 2.1. Microsoft 365 ▾
- 2.2. Power Platform ▾

3. Edge

- 3.1. Edge ▾

4. Microsoft 365

- 4.1. Modern Work ▾

5. Power Platform

- 5.1. Power Platform ▾

6. Windows

- 6.1. Windows ▾

Welcome to Microsoft Build, our annual flagship event for developers, and to this year's edition of the Book of News. Here, you'll discover about 60 announcements, ranging from the latest AI features for Windows to the expansion of Microsoft Copilot and its new capabilities alongside novel tools for developers and cost-efficient and user-friendly cloud solutions for innovation.

This year's Microsoft Build is underscored by the transformative impact of our AI technology on organizations leveraging it to boost efficiency, elevate customer experiences and achieve groundbreaking innovations. Our unwavering commitment is to bolster our customers, partners and developers by equipping them with the tools they need to flourish in these revolutionary AI times.



10th anniversary

UNIVERSE24

Global developer event

• San Francisco, CA

• October 29-30

• Live and virtual

[Get tickets](#) ↗

[Watch the trailer](#) ↗



Microsoft Ignite

November 18-22, 2024

Our biggest event of the year is getting even bigger. Join us in Chicago to expand your AI knowledge, create connections, and more—mark your calendar. Sign up to be notified when registration opens.

[Learn more >](#)

Save the date

In Chicago and online: November 18–22, 2024

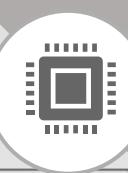
Our biggest event of the year is getting even bigger. Join us in Chicago to expand your AI knowledge, create connections, and more—mark your calendar.

[Join the email list](#)

Updates of Security and Compliance



Monitoring Global Threats: Microsoft :: Threat Intelligence Blog



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

Telecommunications



[Research](#) [Threat intelligence](#) [Microsoft Defender](#) [Social engineering / phishing](#) · May 15 · 10 min read

Threat actors misusing Quick Assist in social engineering attacks leading to ransomware >

Microsoft Threat Intelligence has observed Storm-1811 misusing the client management tool Quick Assist to target users in social engineering attacks that lead to malware like Qakbot followed by Black Basta ransomware deployment.

Microsoft Security Response Center

Worldwide

80,182,313 devices with encounters

Top threats:

- PUA:Win32/Softcnapp
- Trojan:Win32/Wacatac.B!ml
- HackTool:Win32/AutoKMS
- HackTool:Win32/AutoKMS!pz
- Trojan:Script/Wacatac.B!ml

[Research](#) [Threat intelligence](#) [Microsoft Defender for Endpoint](#) [Threat actors](#) · May 28 · 14 min read

Moonstone Sleet emerges as new North Korean threat actor with new bag of tricks >

Microsoft has identified a new North Korean threat actor, now tracked as Moonstone Sleet (formerly Storm-1789), that combines many tried-and-true techniques used by other North Korean threat actors, as well as unique attack methodologies to target companies for its financial and cyberespionage objectives.

[Research](#) [AI and machine learning](#) [Attacker techniques, tools, and infrastructure](#) · Jun 4 · 7 min read

AI jailbreaks: What they are and how they can be mitigated >

Microsoft security researchers, in partnership with other security experts, continue to proactively explore and discover new types of AI model and system vulnerabilities. In this post we are providing information about AI jailbreaks, a family of vulnerabilities that can occur when the defenses implemented to protect AI from producing harmful content fails.

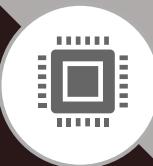
[Research](#) [Threat intelligence](#) [Microsoft Defender](#) [IoT / OT threats](#) · May 30 · 9 min read

Exposed and vulnerable: Recent attacks highlight critical need to protect internet-exposed OT devices >

Since late 2023, Microsoft has observed an increase in reports of attacks focusing on internet-exposed, poorly secured operational technology (OT) devices.

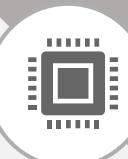
Tracked activity

- Nation-state actors
- Ransomware groups
- Cyber mercenaries
- or private sector offensive actors
- Storm-#### designations refer to emerging or developing clusters of threat activity.



Microsoft :: Threat Intelligence Blog





Security above all else—expanding Microsoft's Secure Future Initiative >

Microsoft is expanding the scope of the Secure Future Initiative to adapt to the evolving cyberthreat landscape. Read about the principles and pillars driving this initiative.

[Best practices](#) [Identity and access management](#) [Microsoft Entra](#) · Jun 4 · 7 min read

The four stages of creating a trust fabric with identity and network security >

The trust fabric journey has four stages of maturity for organizations working to evaluate, improve, and evolve their identity and network access security posture.

[Research](#) [AI and machine learning](#) · May 23 · 2 min read

Cyber Signals: Inside the growing risk of gift card fraud >

In the ever-evolving landscape of cyberthreats, staying ahead of malicious actors is a constant challenge. The latest edition of Cyber Signals dives deep into the world of Storm-0539, also known as Atlas Lion, shedding light on their sophisticated methods of gift and payment card theft.

[News](#) [AI and machine learning](#) [Microsoft Defender](#) · May 6 · 6 min read

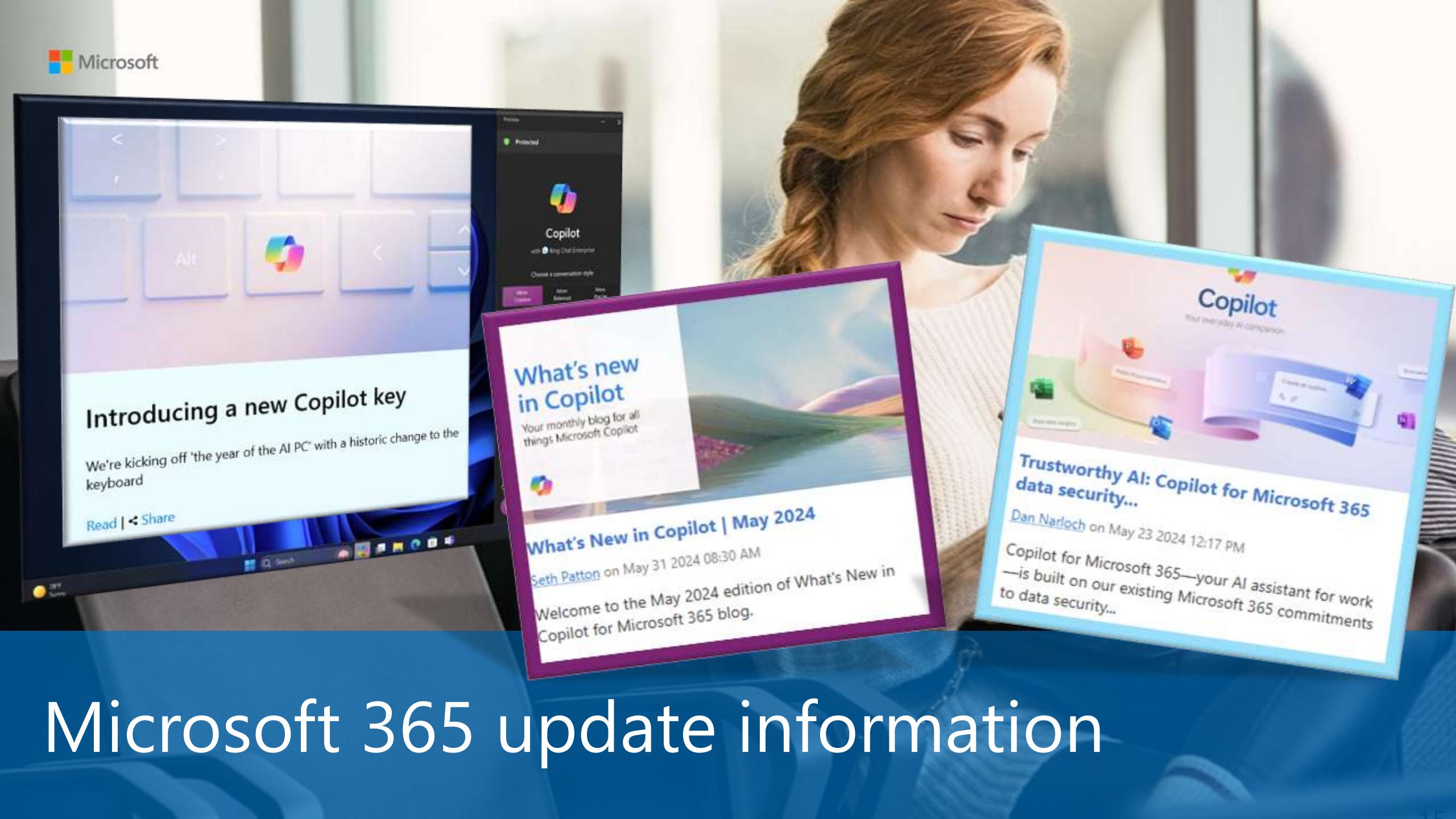
New capabilities to help you secure your AI transformation >

Today, we're thrilled to introduce new features for securing and governing in the age of AI. We are announcing new capabilities in Microsoft Defender and Microsoft Purview that will make it easier for teams to manage, protect, and govern AI applications at work.

[Best practices](#) [Cloud security](#) [Microsoft Defender](#) · May 29 · 7 min read

6 insights from Microsoft's 2024 state of multicloud risk report to evolve your security strategy >

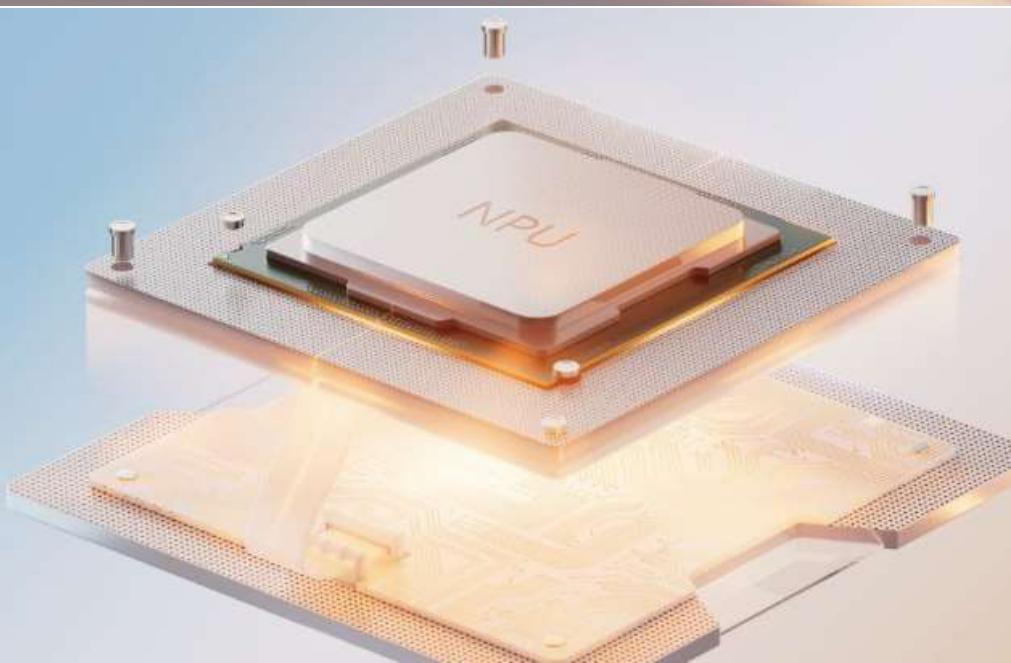
Discover the top multicloud security risks across DevOps, runtime environments, identity and access, and data in this new report from Microsoft.



Microsoft 365 update information

Introducing Copilot+ PCs

May 20, 2024 | Yusuf Mehdi - Executive Vice President, Consumer Chief Marketing Officer



Today, at a special event on our new Microsoft campus, we [introduced the world to a new category of Windows PCs designed for AI, Copilot+ PCs.](#)

Utilizing powerful new silicon with an NPU (neural processing unit) capable of an incredible 40+ TOPS (trillion operations per second), Copilot+ PCs provide organizations an exceptional AI endpoint for work, and a foundation for your chip-to-cloud solution stack. Copilot+ PCs unlock industry leading AI acceleration with up to 2x faster NPU performance than MacBook Air and MacBook Pro.^[1]

Copilot+ PCs are the fastest, most intelligent Windows PCs ever built. [With powerful new silicon capable of an incredible 40+ TOPS \(trillion operations per second\), all-day battery life and access to the most advanced AI models.](#)

Copilot+ PCs will enable you to do things you can't on any other PC. Easily find and remember what you have seen in your PC with Recall, generate and refine AI images in near real-time directly on the device using CoCreator, and bridge language barriers with Live Captions, translating audio from 40+ languages into English.



Microsoft Copilots empowering your business

Unlock Productivity across your organization

Persona	Copilot	Scenario	Availability	Blogs	Demo/Video
Knowledge Workers	Microsoft Copilot	I want to introduce my entire organization to generative AI without putting my company data at risk—allowing employees to get answers, summarize documents, or generate images and text in Windows, Edge, Bing, and the Copilot mobile app	Generally Available	LINK	LINK
	Copilot for Microsoft 365	I want to bring Copilot to my entire organization to use AI-powered chat with secure access to organizational graphs and access Copilot across all M365 apps.	Generally Available	LINK	LINK
	Copilot for Dynamics 365 Project Operations	I want to rapidly create new project plans for new engagements in minutes, instead of hours, simply by describing details of the project using natural language.	Generally Available	LINK	LINK
	Copilot for Dynamics 365 Finance	I want collections managers to have quick access to credit and payment history so they can prioritize and personalize customer communication, helping to increase successful collection rates and proactively keep customers in good standing.	Generally Available	LINK	LINK
	Copilot for Dynamics 365 Supply Chain	I want to efficiently handle changes to purchase orders at scale and assess the impact and risk to help optimize procurement decisions.	Public Preview	LINK	LINK
	Copilot in Microsoft Viva	I want to accelerate workforce insights and actionable OKR development, automate processes, and boost employee engagement with next-generation AI	Limited Preview		
Customer Service	Copilot in Dynamics 365 Business Central	I want to accelerate product launches by generating and publishing engaging product descriptions in my own voice with help from AI.	Generally Available	LINK	LINK
	Microsoft Copilot for Service	I want to modernize my contact center to enhance service experiences and boost agency productivity.	Generally Available	LINK	LINK
	Copilot in Dynamics 365 Customer Service	I want to level up my customer care by generating contextual responses to customer questions and quick access to case resolution expertise with AI assistance.	Generally Available	LINK	LINK
	Copilot in Dynamics 365 Field Service	I want to help frontline service workers spend less time on repetitive tasks and more time focused on customers by using AI to prepopulate data in work orders.	Generally Available	LINK; LINK	LINK; LINK
Sales	Copilot in Dynamics 365 Customer Insights	I want to use generative AI to generate insights about customers and curate highly personalized, targeted customer segments using natural language dialogue.	Generally Available	LINK	LINK; LINK
	Microsoft Copilot for Sales	I want to transform the way sellers work by automating and simplifying tasks, personalized customer interactions, and maintain selling focus.	Generally Available	LINK	LINK; Guided: LINK
	Copilot in Dynamics 365 Sales	I want to help sellers prioritize ROI-generating tasks by reducing mundane work with AI assistance for email replies, meeting prep, and information tracking.	Generally Available	LINK	
Data Professionals	Copilot in Microsoft Fabric	I want an AI assistant to help my data professionals analyze and visualize data using natural language.	Public Preview	LINK	LINK
	Copilot in Power BI	I want to use AI to illuminate hidden patterns, opportunities, and anomalies in my data.	Public Preview	LINK	LINK

Safeguard your business

Persona	Copilot	Scenario	Availability	Blogs	Demo/Video
Security Analysts	Microsoft Copilot for Security	I want a generative AI-powered security solution that helps increase the efficiency and capabilities of defenders to improve security outcomes at machine speed and scale.	Generally Available	LINK	LINK

Build and extend your AI capabilities

Persona	Copilot	Scenario	Availability	Blogs	Demo/Video
IT Professionals	Microsoft Copilot for Azure	I want to use generative AI to help users gain new insights into their workloads, unlock untapped Azure functionality, and orchestrate tasks across cloud & edge.	Public Preview	LINK	
	Copilot in Power Apps	I want to build enterprise-grade applications faster and more easily with generative AI.	Public Preview	LINK	LINK
	Copilot in Power Automate	I want to build, edit, and extend workflows using natural language and get help from AI powered chat.	Public Preview	LINK	LINK
	Copilot in Power Pages	I want to revolutionize my web development experience by leveraging AI to generate text, build detailed forms, and chatbots—all in a matter of minutes.	Private Preview	LINK	LINK
Developers	GitHub Copilot	I want to provide my developers contextualized assistance throughout the software development cycle in several languages.	Generally Available	LINK	LINK
	GitHub Copilot Enterprise	I want to enhance GitHub Copilot with a more personalized experience by bringing in chat and voice interfaces, pull request support, and the ability to get answers on documents.	General Available	LINK	LINK
	Microsoft Copilot Studio	I want to extend Copilot for Microsoft 365 with a plugin and/or create custom copilots and want to use a low-code tool.	Generally Available	LINK	LINK
	Teams Toolkit for Visual Studio Code	I want to extend Copilot for Microsoft 365 with a plugin or build my own copilot for Microsoft Teams using a pro-code tool.	Generally Available	LINK	LINK
	Build your own copilot with Azure AI Studio	I want to build, evaluate, and deploy my AI solutions securely and responsibly all within one space.	Public Preview	LINK	LINK

The Journey Continues



Dynamics 365



Sales



Service



Marketing



Customer Insights



Finance & Ops



Supply Chain



Power Platform



Power Apps



Power Automate



Process Mining



Power Virtual Agents



Power Pages



Power BI



Modern Work



Word



Outlook



Excel



PowerPoint



Teams



Business Chat



Fabric



Github



Designer



Viva Suite



Security



Bing and Edge



Windows



DAX



Agriculture and Sustainability



Learn / Industry Clouds / Microsoft Cloud for Sustainability /

Overview of Copilot in Microsoft Sustainability Manager

Article • 05/24/2024 • 2 contributors

In this article

Important considerations

Add Copilot to your environment

Responsible AI

Create calculation models with Copilot in Microsoft Sustainability Manager

Article • 05/16/2024 • 3 contributors

Feedback

In this article

Create calculation models with Copilot

See also

Sustainability News and announcements . 5 min read

AgPilot: Enhancing productivity and efficiency with AI for smarter farming

By [Pepijn Richter](#), General Manager, Microsoft Cloud for Retail and Agriculture solutions



By [Shefy Manayil Kareem](#), General Manager, Microsoft Cloud for Sustainability

Use natural language and generative AI to create calculation models, streamline data collection, and improve reporting

Microsoft Azure Data Manager for Agriculture

Bring together and transform data from across the farm

[Explore our solutions >](#)



Healthcare AI and Copilots

[AI + Machine Learning](#), [Announcements](#), [Azure AI](#), [Azure OpenAI Service](#), [Events](#), [Health Bot](#)

Azure AI Health Bot helps create copilot experiences with healthcare safeguards

By [Hadas Bitran](#), Partner General Manager, Health AI, Microsoft Health & Life Sciences

[AI Announcements](#) · 6 min read

Introducing healthcare data solutions in Microsoft Fabric: A game-changer for healthcare data analysis

By [Umesh Rustogi](#), General Manager, Microsoft Health and Life Sciences Data Platform

[Healthcare](#) [News and announcements](#) [Providers](#) · 6 min read

How next-generation AI and digital tools are transforming healthcare

By [Tom McGuinness](#), CVP Global Healthcare & Life Sciences

[Healthcare](#) [News and announcements](#) · 6 min read

Harness the power of data and AI in healthcare with new Microsoft solutions

By [David Ardman](#), Corporate Vice President, Health and Life Sciences Platform, Microsoft

Nuance and Microsoft Announce the First Fully AI-Automated Clinical Documentation Application for Healthcare



Groundbreaking Nuance DAX Express is the next milestone in an expanding portfolio of solutions combining OpenAI's GPT-4 with proven workflow-integrated technology to define the future of intelligence-infused healthcare experiences

AI Announcements



databricks

Microsoft

Jun 10 • 8 min read

Azure Databricks: Differentiated synergy ↗

Databricks, a pioneer of the Data Lakehouse and an integral component of their Data Intelligence Platform, is available as a fully managed first party...

Jun 4 • 10 min read

Unlock AI innovation with new joint capabilities from Microsoft and SAP ↗

Learn more about the transformative synergy of the Microsoft Cloud and RISE with SAP for business.

May 29 • 4 min read

IT trends show customers need computing power to take advantage of AI ↗

In a recent study, Microsoft surveyed over 2,000 IT professionals across ten countries on their tech readiness for and adoption of AI as well as their...

Jun 5 • 4 min read

Leverage AI to simplify CSRD reporting ↗

Microsoft Cloud for Sustainability data solutions in Microsoft Fabric (preview) can help organizations take sustainability data in any format,...

May 28 • 7 min read

Showcasing AI-powered business transformation in Japan ↗

Microsoft's expanded initiatives and partnerships in Japan are poised to enhance AI capabilities across various sectors.

May 30 • 5 min read

Migrate to innovate: How governments are modernizing in advance of AI ↗

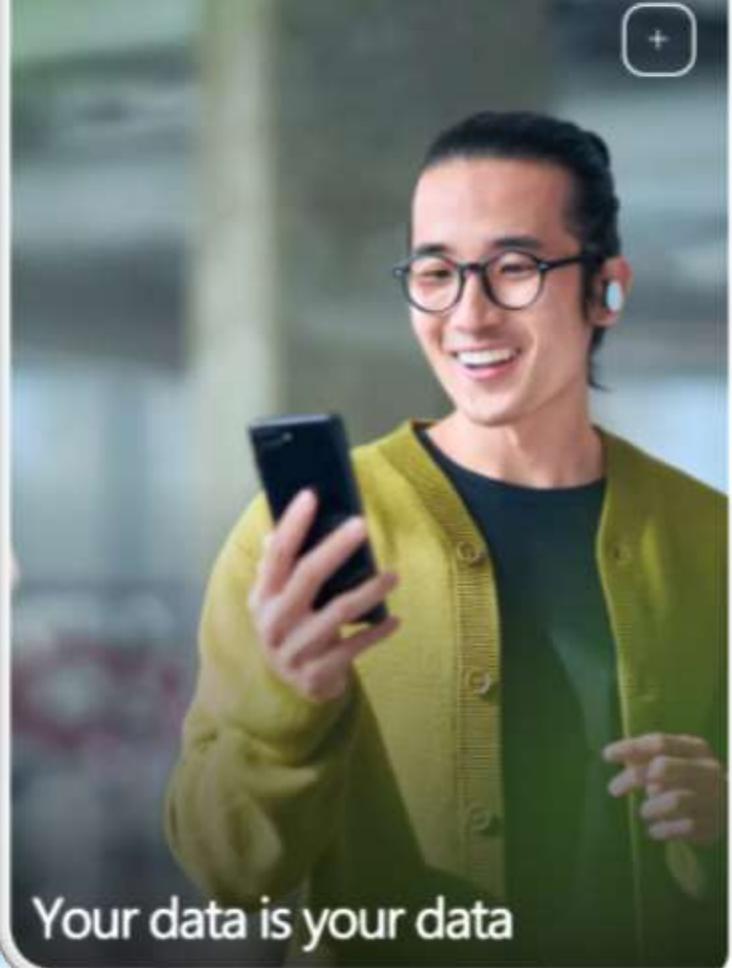
For government organizations, the advantages of cloud computing are compelling, and easier to realize than before. Governments that choose to...

Microsoft AI runs on Trust



Responsible AI

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



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.

Your data is protected at every step

What's New in Microsoft 365

M365 Blog and Microsoft-365 Product Blog :: Covering Office 365, Enterprise Mobility + Security and Windows

- ❖ [SAP Identity Management to Microsoft Entra ID Migration](#)
- ❖ [Microsoft 365 Data Residency Offerings updates](#)
- ❖ [New Sticky Notes experience for Windows](#)
- ❖ [Organizational Messages in M365 Admin Center :: Preview](#)
- ❖ [Windows IT Pro Blog](#)
- ❖ [Microsoft Entra \(Azure AD+\) Blog](#)
- ❖ [Microsoft OneDrive Blog](#)
- ❖ [Microsoft SharePoint Blog](#)
- ❖ [M365 Technical Documentation](#)

News Microsoft 365 Enterprise · May 13, 2024 · 6 min read

AI brings new life to flexible work with Microsoft Places >

Microsoft Places—available today in public preview—is an AI-powered app that coordinates when you’re planning to come in and where you’ll work, enables improved connections with coworkers, and optimizes the effectiveness and engagement of the workplace. Importantly, Places features are accessible across surfaces you regularly use for coordination and collaboration, like Outlook and Microsoft Teams, so flexible work coordination and connection can happen within your normal flow of work.

Windows news you can use: May 2024

Thomas Trombley on May 30 2024 10:00 AM

Catch up on the latest capabilities for Windows 11 management and security.

Tips and guides Microsoft 365 Small business · June 5, 2024 · 4 min read

Workers worldwide are embracing AI, especially in small and medium-size businesses >

Discover some key insights from the Work Trend Index report that can impact small and medium-sized business leaders, as well as the actions you can take to prepare your organization for AI and better leverage its benefits so you can maintain your competitive edge.



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

❖ Outlook: Support for Exchange On-Premises Servers	Rollout Start: July 2024
➢ Microsoft Teams: Control your mic state during meetings from Windows taskbar available in the new Teams on Windows	Rollout Start: June 2024
➢ Microsoft Teams: Draggable Presenter Toolbar while screensharing	Rollout Start: June 2024
➢ Microsoft Teams: Closed captioning support in Teams Walkie Talkie	Rollout Start: June 2024
➢ Microsoft Teams: Teams meeting recordings will be saved to meeting organizer's OneDrive for Business	Rollout Start: June 2024
➢ Microsoft Copilot (Microsoft 365): Use Draft with Copilot in Word based on text, list, or table selection	Rollout Start: June 2024
➢ Microsoft Teams: Easily manage Do Not Disturb presence status when screen sharing	Rollout Start: June 2024
➢ Microsoft Teams: Attach files from SharePoint Sites in the mobile app	Rollout Start: June 2024
➢ Microsoft Stream: Interactivity analytics	Rollout Start: June 2024
➢ Microsoft Teams: Shifts plugin for Copilot for Microsoft 365	Rollout Start: June 2024
➢ Outlook: Choose how many days of emails sync to your device for offline usage	Rollout Start: June 2024
➢ Microsoft Teams: Collaborative Notes in Channel Meetings	Rollout Start: June 2024
➢ Microsoft Purview compliance portal: Insider Risk Management - Adaptive Protection - Enhancements to insider risk level settings	Preview Available: May 2024 Rollout Start: June 2024
➢ Microsoft Teams: Intelligent Meeting Recap for transcript-only meetings (Premium)	Rollout Start: June 2024
➢ Microsoft Teams: Updated teams and channels onboarding flow	Rollout Start: June 2024
➢ Microsoft Teams: Optimize for Video setting for screensharing	Rollout Start: May 2024
➢ Microsoft Teams: Change background while recording on phone	Rollout Start: May 2024
➢ Microsoft Viva: Viva Connections now available on web	Rollout Start: May 2024
➢ Microsoft Teams: See multiple participants and shared content preview in improved presenter window when screen sharing	Rollout Start: May 2024
➢ Microsoft Teams: Apps now supported in group chats with external users	Rollout Start: May 2024



Microsoft Teams Blog:



What's New in Microsoft Teams | Microsoft Build 2024 Edition

What's New in Microsoft Teams | Microsoft Build 2024...

Pete Daderko on May 21 2024 08:30 AM

This special edition of "What's New in Microsoft Teams" highlights exciting features and improvements that we are announ...



New capabilities to help you manage Microsoft Teams...

Noga Ronen on May 14 2024 08:00 AM

Successfully navigating a fast-paced workplace requires teams to collaborate closely and share the same information. Cha...



Prompt Like a Pro: Effectively summarize your channel conversations with Microsoft Copilot in Teams

Prompt Like a Pro: Effectively summarize your channel...

Ivaladares on May 16 2024 08:00 AM

Keeping up with your information can be a challenge in today's fast-paced environment. Microsoft Teams channels help you...



Microsoft Teams for SMBs at M365 Community Conference

AbhijitKanade on Jun 04 2024 08:00 AM

It was wonderful to be a part of the M365 Community Conference that took place in Orlando, FL from Apr 30 to May 02, 202...



Intelligent shared space solutions with Microsoft Teams

KellyAJohnson on Jun 03 2024 08:00 AM

In today's diverse work environment, we understand that there is no one-size-fits-all solution when it comes to shared s...



Decorate your background – How generative AI backgrounds...

oscholz on May 07 2024 08:00 AM

Microsoft Teams has always been at the forefront of innovation, and the Decorate your background feature is no exception...



Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Microsoft Viva Connections



Microsoft Viva Engage



[Viva Amplify](#)



Microsoft Viva Insights



[Viva Pulse](#)



[Viva Glint](#)



Microsoft Viva Goals



Microsoft Viva Learning



Microsoft Viva Topics



Microsoft Viva Sales

Employee
Communication
& Communities

Organization's Social
Network

centralized communication
to the organization

Workplace Analytics
& Feedback

Short, more frequent surveys
from **smaller teams to their managers**

less frequent **Organization wide** surveys
for employee experience, onboarding, etc.

Goal Setting &
Management

Learning and
Knowledge Management

connecting employees to
knowledge and expertise

Customer &
Sales Insights

Copilot in Viva

Empower people to be smarter, more productive, more creative, and connected to the people and things around them.

[Copilot Deployment Kit in Viva Amplify now generally av...](#)

We are excited to announce the general availability of the Copilo...

[What's new in Viva Insights](#)

New features include updates to the Copilot dashboard, data egr...

[June 2024, Viva Glint release update](#)

Welcome to the Viva Glint newsletter. Our recurring communic...

[Think like a People Scientist: Designing a survey that...](#)

On May 28th, we held the fourth webinar in our "Think Like a Peop...

[The Link Between Viva Engage Usage and 21% Higher Employee...](#)

TenyShapiro on May 03 2024 08:00 AM

This blog post will delve into the significance of fostering employee engagement and how tools like Microsoft Viva Engag...

[Preparing your organization for AI: Insights from...](#)

Ayneeta_Solanki on May 22 2024 08:12 AM

On May 16, the Viva People Science team held the third webinar in its AI Empowerment series. During this webinar, I was ...

[Introducing spotlight settings in Viva Connections](#)

lesliethomas on May 29 2024 01:19 AM

We are excited to provide new configuration options for the Viva Connections spotlight section to ensure that the dashbo...

Microsoft Power Platform :: Power Platform Blog



May 21, 2024 · 6 min read

New ways of development with copilots and Microsoft Power Platform >

As technology advances more rapidly than ever, the combination of generative AI and low-code is fundamentally changing how developers build solutions. The shift from coding to developing with natural language promises to be as transformative as the impact of cloud platforms and open-source software.

[Design Studio](#) · May 31, 2024 · 1 min read

Build custom page layouts in Power Pages design studio >

Design and build custom page layouts in Power Pages design studio.

[Admin and Governance](#) · June 6, 2024 · 1 min read

Introducing the new environment and site level views for the Power Pages licensing dashboard (Preview) >

We are excited to announce that the licensing dashboard (preview) for Power Pages now includes environment and site level views! This enhancement allows administrators to gain detailed insights into capacity consumption at both the environment and site levels.

[Develop a tenant environment strategy to adopt Power Platform at scale](#)

 [Robert Standefer](#), Wednesday, June 5, 2024

Implementing a well-defined environment strategy is essential for harnessing the full capabilities of Microsoft Power Platform. Our latest white paper provides the guidance you need to learn how to best use the latest features of the platform to implement a strategy that can allow your adoption of Power Platform to reach enterprise scale. We are excited to see how this resource will support your journey towards digital transformation. Download the white paper today and take the first step towards optimizing your Power Platform environments.

[» Read more](#)

Jun 6 · 4 min read

Celebrating a year of innovation: Announcing the Microsoft Power Platform templates Cookbook Challenge >

In today's fast-paced digital landscape, enterprise organizations are grappling with an ever-expanding application backlog, with one billion new apps expected to be built by 2028. However, there are only four million developers in the United States.

May 21 · 8 min read

[Unlock new levels of productivity with Microsoft Dataverse and Microsoft Copilot Studio](#) >

Enhancing your AI business strategy with Microsoft Copilot Studio and Microsoft Dataverse enables organizations to simplify the complex data integration, third-party data extensibility, and security guardrails organizations must have in place to assist in the implementation and adoption of AI.



Visit our product blogs

[Power BI](#)

[Power Automate](#)

[Power Virtual Agents](#)

[Power Apps](#)

[Power Pages](#)

[Power Apps is making it easier for developers to build with Microsoft Copilot and each other](#)

 [Ryan Cunningham](#), VP, Power Apps, Tuesday, May 21, 2024

Power Apps is now used by more than 25 million users every month, with an increasing number of those apps delivered by dedicated teams of professionals. We're investing in the end-to-end experience of these developer teams, bringing together Copilot and human collaborators to be able to deliver impactful and scalable apps faster than ever.

[Copilot Studio](#) · May 31 · 4 min read

[Delivering Organizational Value with Microsoft Copilot Studio](#) >

There have been numerous updates announced at Microsoft Build 2024 showcasing the capabilities of Microsoft Copilot Studio as the single Conversational AI tool to create your own custom copilots or extending Microsoft Copilot experiences. Bill Gates had the vision to put a computer in every home almost 30 years ago and since then, technology has become ubiquitous

Power Platform and Dynamics

Roadmaps and Release plans:



IT Professionals

News and product updates

Dynamics 365 Field Service

• May 23 • 3 min read

Unlocking efficiency: Dynamics 365 Field Service integration for seamless operations >

We are thrilled to announce the general availability of the integration between Dynamics 365 Field Service and Dynamics 365 Finance as well as Supply Chain Management. This powerful integration ensures that the work of frontline workers, service managers, and dispatchers are seamlessly synced with the financial and supply chain heart of your business. Let's explore some of the details of this native integration.

IT Professionals

News and product updates

Dynamics 365 Sales

• May 23 • 2 min read

Leveraging Copilot in Dynamics 365 Sales to prepare for sales meeting >

In today's rapidly evolving sales environment, staying ahead of the curve is more crucial than ever.

Contact Center

Business Decision Makers • Jun 04 • 3 min read

Announcing Dynamics 365 Contact Center – a Copilot-first cloud contact center to transform service experiences >

Today we are thrilled to announce the latest milestone in our journey towards modernizing customer service: Microsoft Dynamics 365 Contact Center, a Copilot-first contact center solution that delivers generative AI to every customer engagement channel.

IT Professionals

News and product updates

Dynamics 365 Sales

• May 21 • 2 min read

Elevating email efficiency using Copilot in Dynamics 365 Sales and the rich text editor >

In today's digital-first environment, effective communication is crucial for maintaining strong business relationships and driving sales success.

Business Decision Makers

News and product updates

Dynamics 365 Business Central

• May 13 • 4 min read

Work smarter with Microsoft Copilot in Dynamics 365 Business Central >

In the quickly changing world of AI, Microsoft Dynamics 365 Business Central is leading the way with innovations that have equipped more than 30,000 small and medium-sized businesses to succeed. Powered by next-generation AI, Microsoft Copilot in Dynamics 365 Business Central introduces new ways to streamline workflows, boost productivity, and unlock creativity.

IT Professionals

News and product updates

Dynamics 365 Customer Service

• Jun 5 • 1 min read

Transition from unified routing diagnostics to Azure Application Insights >

As of May 9, 2024, we are phasing out unified routing diagnostics and integrating its capabilities into Azure Application Insights.



Send an email to responder when response submitted in Microsoft Forms

By Microsoft Power Automate Community



Request manager approval for a selected file

By Microsoft

Instant
213775



Save Office 365 email attachments to specified OneDrive for Business folder

By Microsoft Power Automate Community

Automated
245326

Developer and GitHub

GitHub Blog and Changelog



- Repository Updates June 12, 2024
- Generated SBOM files will now include a package URL when a manifest file includes a range
- GitHub Copilot Compliance: SOC 2, Type 1 Report and ISO/IEC 27001:2013 Certification Scope
- Dependabot now supports private Cargo registries
- New Enterprise accounts have metered billing for Git LFS
- Actions: Arm-based linux and windows runners :: Public Beta
- GitHub Copilot Enterprise – Copilot knows about repositories, releases, commits + more May 2024 updates
- Secret scanning validity checks now included in the alert timeline
- United States Sales Tax and Exemptions on your GitHub Account
- Secret scanning now automatically performs validity checks for closed alerts

Microsoft Developer Blogs:

- The .NET MAUI Extension for Visual Studio Code :: Generally Available
- Using Java with ACA dynamic sessions
- June patches for Azure DevOps Server
- Developing cloud-native apps with .NET Aspire and Visual Studio
- Building Generative AI apps with .NET 8
- Announcing the official OpenAI library for .NET
- Catch Up on Microsoft Build 2024: Essential Sessions for .NET Developers
- Bosch widely adopts Visual Studio 2022 after experiencing performance improvements for C++ Linux cross-compilation

How GitHub reduced testing time for iOS apps with new runner features

Learn how GitHub used macOS and Apple Silicon runners for GitHub Actions to build, test, and deploy our iOS app faster.

Stephen Glass & Eli Perkins June 3, 2024

How AI enhances static application security testing (SAST)

Here's how SAST tools combine generative AI with code scanning to help you deliver features faster and keep vulnerabilities out of code.

Nicole Choi May 9, 2024

Education

Top 12 Git commands every developer must know

The latest installment of GitHub for Beginners, where we cover the essential Git commands to get you Git-literate.

Kedasha Kerr June 18, 2024

Product

GitHub and JFrog partner to unify code and binaries for DevSecOps

This partnership between GitHub and JFrog enables developers to manage code and binaries more efficiently on two of the most widely used developer platforms in the world.

Thomas Dohmke & Shlomi Ben Haim
May 29, 2024

Product

Arm64 on GitHub Actions: Powering faster, more efficient build systems

Github Actions now offers Arm-hosted runners with images built by Arm for developers to begin building on the latest and most sustainable processors on the market.

Larissa Fortuna
June 3, 2024

Engineering

How we improved push processing on GitHub

Pushing code to GitHub is one of the most fundamental interactions that developers have with GitHub every day. Read how we have significantly improved the ability of our monolith to correctly and fully process pushes from our users.

Will Haltom
June 11, 2024

Introducing GitHub Copilot Extensions: Unlocking unlimited possibilities with our ecosystem of partners

The world of Copilot is getting bigger, improving the developer experience by keeping developers in the flow longer and allowing them to do more in natural language.

Mario Rodriguez May 21, 2024





Office Developer Blogs and Microsoft 365 Dev Center

Build engaging apps for Microsoft Teams meetings with new content sharing capabilities

June 11, 2024

Kanchan Kaur, Manpratap Suri, Vikramjit Singh Chug

We're excited to announce new features that will make it easy for you to enable delightful collaboration experiences for your Microsoft Teams app's users with minimal code.

Microsoft 365 Certification validates app compliance through annual pen testing

June 6, 2024

Krishna Mawani

Learn more about the Microsoft 365 Certification and how pen testing can help verify your app's underlying security.

Use Fluid DevTools to debug your web app

June 4, 2024

AV Alejandro Villarreal

A guide to using the Fluid DevTools browser extension to inspect and manipulate Fluid data structures and containers.

Build intelligent apps for Microsoft 365 with Teams Toolkit

June 3, 2024

Junjie Li

Explore how Teams Toolkit can help you build your own custom copilot.

Microsoft Loop transforms the way developer teams work

May 30, 2024

Ishita Mohindra, Vineet Punjabi, Swati Jain

Discover how Microsoft Loop provides a central and flexible place for your work to help you stay in sync and on track.

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

- Fluid Framework: Undo/redo and transactions in SharedTree
- Do more in Microsoft Mesh with data and AI
- Build 2024: What's new for Microsoft Graph
- What's new for Office Add-ins at Build 2024
- Enhancing Microsoft Teams to support developer productivity and collaboration
- New capabilities for Microsoft Graph APIs for Teams meetings with external attendees
- Device Permission Prompt API available for Office Add-ins on the web

Use Microsoft Graph to power your app with data and insights from Microsoft 365

Access rich, people-centric data in the Microsoft Cloud via a single endpoint with the Microsoft Graph REST API and SDKs.

[Learn more about the Microsoft Graph REST API >](#)

[Try the API with Graph Explorer >](#)



Build immersive experiences for the workplace with Microsoft Mesh

Mesh lets you create new customized, multi-user experiences to help virtual meetings and events feel more like face-to-face connections. Now, you can bring your 3D world-building skills to the global workforce, helping connect like never before.

[Learn more about Mesh >](#)

[Start your journey with Mesh >](#)



New trends with Microsoft Technology



Updates from Microsoft Industry Blogs

Financial services • Jun 10 •
6 min read

How financial services firms are strengthening cyber resilience in a new regulatory environment >

Helping financial services businesses become more secure in a world of escalating threats is an area of special focus for Microsoft Cloud for Financial Services. We're working closely with customers, governments, and stakeholders across the industry to strengthen cybersecurity technologies and practices to protect against future attacks.

Retail • May 23 • 6 min read

Accelerating business transformation with industry AI and copilots >

Microsoft and our partners are investing in industry-specific capabilities to help customers adopt revolutionary AI solutions faster like copilot templates to create AI assistants for high value scenarios and industry data solutions that provide a data and analytics foundation to ensure your data is AI ready.

Futureproof the mining industry with AI and digital innovation >

Digital transformation is essential for a resilient, durable, and sustainable mining sector. Geopolitical volatility and trade uncertainties are disrupting supply chains, while the industry grapples with the challenges of meeting the soaring demand for minerals essential for the energy transition.

Sustainability • May 30 •

4 min read

AgPilot: Enhancing productivity and efficiency with AI for smarter farming >

AgPilot, designed by Microsoft's partner Headstorm, leverages generative AI along with data from Microsoft Azure Data Manager for Agriculture and agricultural retailers to create actionable insights for agronomists in real time.

May 15 • 7 min read

Building AI solutions with partners: Empowering transformation with copilots >

Microsoft helps partners benefit from its unified data estate platform to create personalized, role-specific AI that can empower customers with meaningful and relevant experiences.

May 30, 2024 • 5 min read

Migrate to innovate: How governments are modernizing in advance of AI >

For government organization, the advantages of cloud computing are compelling, and easier to realize than before. Governments that choose to migrate to Azure are realizing important benefits in many areas of their greatest concerns.

Sustainability • May 29 •
7 min read

Optimize sustainability data management across your value chain >

In this blog, we show you how the ESG value chain solution in Microsoft Sustainability Manager enables you to gather data directly from your value chain partners, streamlining supplier engagement to gain a more comprehensive and accurate picture of those suppliers' environmental impacts that contribute to your own company's impacts.





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 >](#)

Renewable energy procurement training

Find out how to build a roadmap to support your shift to renewable energy.

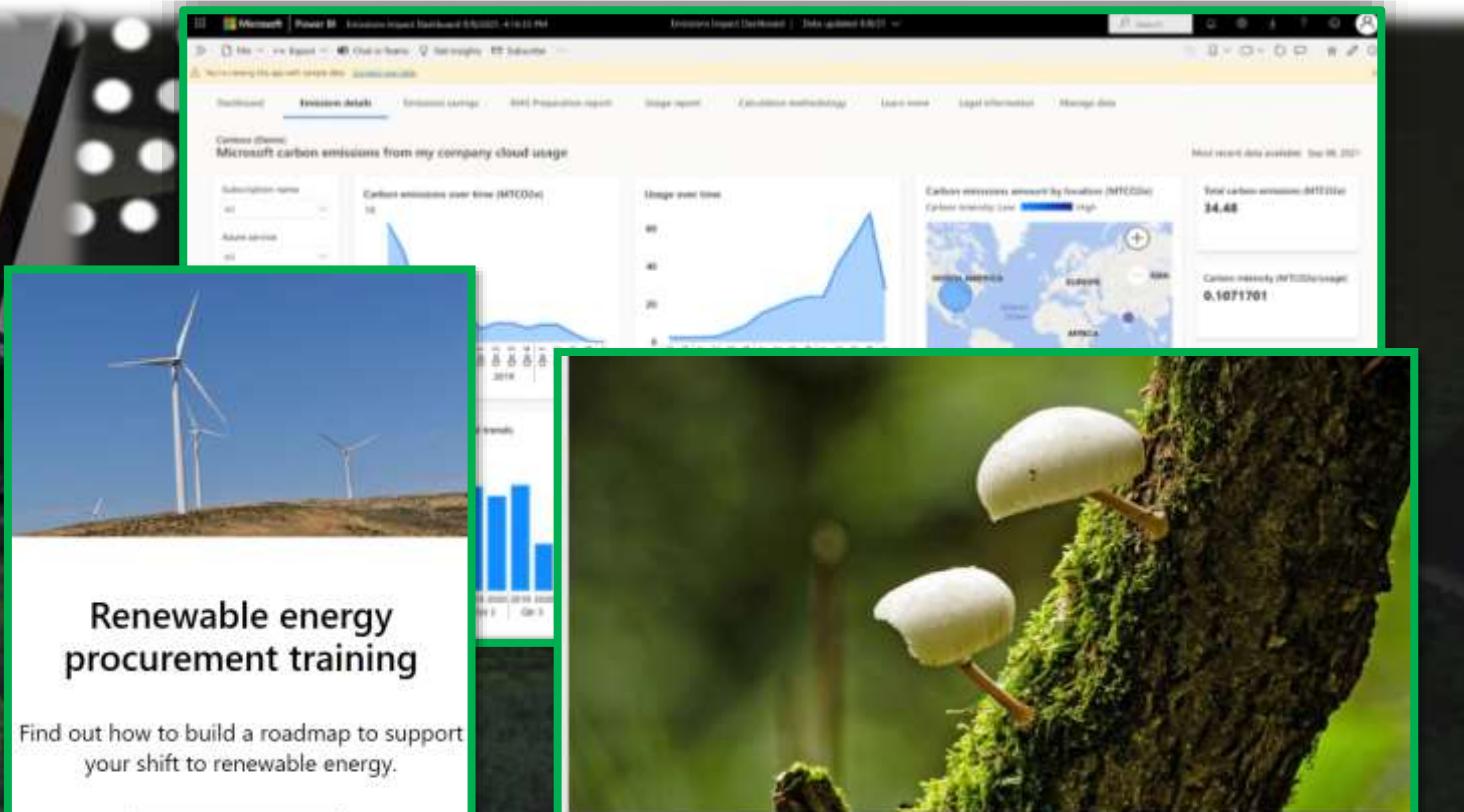
[Get started >](#)

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 >](#)



May 15, 2024 | Brad Smith – Vice Chair and President; Melanie Nakagawa – Chief Sustainability Officer

[Our 2024 Environmental Sustainability Report >](#)

How can we advance sustainability?

2024 Environmental Sustainability Report

Reporting on our 2023 fiscal year

2023 highlights

Carbon

Total renewable electricity use in FY23

23.6 million MWh

This would be enough to power Paris with renewable electricity for about two years.



- 19.8 gigawatts (GW) of renewable energy assets were contracted, including projects in 21 countries around the world.
- We contracted 5,015,019 metric tons of carbon removal in FY23, and continue to build a portfolio of projects, balanced across low, medium, and high durability solutions.

Water

Total contracted water replenishment since 2020

61.7 million m³

This is enough water to fill over 24,000 Olympic sized swimming pools.



- We met our water access target by providing more than 1.5 million people with access to clean water and sanitation solutions.
- Our new datacenters are designed and optimized to support AI workloads and will consume zero water for cooling.

Waste

Total amount of solid waste diverted from landfills and incinerators FY23

18,537 metric tons

This is equivalent to the weight of over 45 commercial passenger jets.



- 18,537 metric tons of solid waste were diverted from landfills and incinerators across our owned datacenters and campuses.
- Our reuse and recycle rates of servers and components across all cloud hardware reached 89.4% in FY23.
- We reduced single-use plastics in our Microsoft product packaging to 2.7% in FY23.

Ecosystems

Total amount of land protected in FY23

15,849 acres

This is equivalent to over 9,000 soccer pitches.



- 15,849 acres were designated as permanently protected. We exceeded our land protection target of 11,000 by more than 40%.
- Through the Microsoft Datacenter Community Environmental Sustainability program we are responding to local needs in the communities that host Microsoft datacenters and where our employees live and work.

How we work

Our sustainability journey starts with getting our own house in order. In 2020, we set bold targets to be a carbon-negative, water-positive, zero-waste company that protects ecosystems by 2030. We are committed to sharing our progress, challenges, and learnings through our annual Environmental Sustainability Report to help accelerate global progress toward net zero.

We recognize that our actions alone will not solve the climate crisis. As a global technology provider, we also believe we have a role to play in supporting the thousands of customers and partners who put their trust in Microsoft. We think about Microsoft's role in sustainability through three spheres of influence: Microsoft sustainability, customer sustainability, and global sustainability.



Microsoft sustainability: Taking care of our own environmental footprint

Our sustainability work starts with taking accountability for our operational footprint. This means taking accountability for our operational footprint across our campuses, datacenters, devices, software, and value chain. We look at our operations across the entire life cycle of assets and products, from design to building, usage, and end of life. We are committed to sharing our learnings, accelerating markets, scaling solutions across our value chain, and being transparent about our progress.



Customer sustainability: Delivering digital technology for net zero

Microsoft is committed to providing innovative digital technology to help build a more sustainable world. From managing environmental footprints with Microsoft Cloud for Sustainability to accelerating innovation for new climate technologies, we're working to empower our customers and partners across industries. We are advancing greener software and reducing carbon intensity to improve device sustainability, and helping organizations measure and manage the health of the planet's natural ecosystems with the Microsoft Planetary Computer.



Global sustainability: Enabling a more sustainable world

Microsoft's actions alone cannot solve the climate crisis. As a global technology leader, we are also committed to helping build the enabling societal conditions that will support a net zero economy. We're focused on accelerating the availability of new climate technologies, strengthening our climate policy agenda, helping to develop a more reliable and interoperable carbon accounting system, advocating for skilling programs to expand the green workforce, and working to help enable a just energy transition.

Azure



Azure Updates

Azure Blog

AI + Machine Learning • 11 min read

From code to production: New ways Azure helps you build transformational AI experiences >

Jessica Hawk

Corporate Vice President, Data, AI, and Digital Applications, Product Marketing



What was once a distant promise is now manifesting—and not only through the type of apps that are possible, but how you can build them. With Azure, we're meeting you where you are today—and paving the way to where you're going. So let's jump right into some of what you'll learn over the next few days. Welcome to Build 2024!

Announcing Advanced Container Networking Services for your Azure Kubernetes Service clusters >

By Deepak Bansal, Corporate Vice President and Technical Fellow, Microsoft Azure, and Chandan Aggarwal, Partner Group Engineering Manager, Microsoft Azure

Microsoft's Azure Container Networking team is excited to announce a new offering called Advanced Container Networking Services. It's a suite of services built on top of existing networking solutions for Azure Kubernetes Services (AKS) to address complex challenges around observability, security, and compliance.

AI + Machine Learning, Announcements, Azure AI Content Safety, Azure AI Studio, Azure OpenAI Service, Partners

Published May 13, 2024 • 2 min read

Introducing GPT-4o: OpenAI's new flagship multimodal model now in preview on Azure >

By Eric Boyd, Corporate Vice President, Azure AI Platform, Microsoft

Microsoft is thrilled to announce the launch of GPT-4o, OpenAI's new flagship model on Azure AI. This groundbreaking multimodal model integrates text, vision, and audio capabilities, setting a new standard for generative and conversational AI experiences.

Analytics, Announcements, Azure Kubernetes Service (AKS), Azure Monitor, Compute, Containers

Published June 5, 2024 • 4 min read

Announcing Advanced Container Networking Services for your Azure Kubernetes Service clusters >

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Updates & Announcements

- ❖ [support on Apple Silicon Macs :: Generally Available](#)
- ❖ [Unlock new potential for your SAP workloads on Azure with these learning paths](#)
- ❖ [Added support for Azure Monitor log search alert rules in Resource Health](#)
- ❖ [Audit logging in Azure API Management developer portal](#)
- ❖ [Analyze data using Log Analytics Simple mode](#)
- ❖ [Feature Update: Azure Action Groups](#)
- ❖ [Azure Load Balancer now supports Admin State :: Public Preview](#)
- ❖ [Azure NetApp Files support for Active Directory connection per NetApp account :: Public Preview](#)
- ❖ [Azure Virtual Network Manager's virtual network verifier :: Public Preview](#)
- ❖ [Azure NetApp Files backup :: Generally Available](#)
- ❖ [Azure Chaos Studio supports a new Pause Process fault for Windows virtual machines :: Generally Available](#)
- ❖ [Activity log alerts can now run in EU Data Boundary](#)
- ❖ [VM Hibernation for General Purpose VMs](#)
- ❖ [Azure API Center Extension for VS Code](#)
- ❖ [Monitor effectively using Azure Monitor for Azure Site Recovery](#)
- ❖ [Graph Semantics in Kusto :: Generally Available](#)
- ❖ [Azure portal now offers in context observability for AKS object overviews](#)
- ❖ [Azure Log Analytics enhances resilience with workspace replication across regions :: Public Preview](#)
- ❖ [Azure Firewall integration in Microsoft Copilot for Security :: Public Preview](#)

Azure Services Directory



Microsoft Genomics

Power Genome Sequencing and Research Insights

Microsoft Genomics

- ❖ Cloud implementation of [Burrows-Wheeler Aligner](#) (BWA) and the [Genome Analysis Toolkit](#) (GATK) for secondary analysis
- ❖ ISO-certified and covered by Microsoft under the [HIPAA BAA](#)
- ❖ Global coverage to meet your data sovereignty needs
- ❖ Only pay for what you use with no commitment
- ❖ [Easy-to-use API for integration with partner solutions](#)
- ❖ [Cromwell on Azure](#), users can accelerate their genomic research with the hyperscale compute capabilities of Azure
- ❖ Leverage [Genomics Notebooks in GitHub](#) for faster results



Azure Health Bot

A managed service purpose-built for development of virtual healthcare assistants

Health Bot

- ❖ Build AI-powered healthcare experiences at scale
- ❖ Empowers developers in healthcare organizations to build and deploy AI-powered, compliant, conversational healthcare experiences at scale.
- ❖ Create health bots using built-in medical knowledge bases, triage protocols and language models trained to understand clinical terminology
- ❖ Leverage privacy and security mechanisms to align with industry compliance requirements
- ❖ Authenticate and integrate with EMR data using FHIR data connections to personalize patient flows



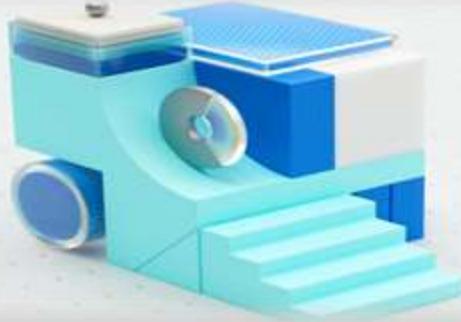
Azure Health Data Services

Unify and Manage Health Data and Protected Health Information (PHI)

Azure Health Data Services

- ❖ Purpose-built suite of technologies for protected health information (PHI) in the cloud
- ❖ Evolved Azure API for FHIR and offers additional technology and services.
- ❖ Quick deployment of managed, enterprise-grade [FHIR](#), [DICOM](#), and [MedTech services](#)
- ❖ Connectors to [Azure Synapse Analytics](#), [Azure Machine Learning](#), and [Power BI](#) to generate insights from real-world data
- ❖ Azure Health Data Services is [HITRUST CSF certified](#), store PHI in accordance with HIPAA and GDPR requirements and meet ONC and CMS mandates

Azure Services Directory



Azure Modeling and Simulation Workbench

Securely collaborate on research and engineering projects in an on-demand workspace

Azure Modeling and Simulation Workbench

- ❖ On-demand customizable research and engineering environment with automated resource provisioning and deprovisioning
- ❖ Secure, private workspace for disparate teams to co-design and share intellectual property (IP)
- ❖ Built-in data provenance, security, and governance features for end-to-end supply chain security
- ❖ [Get Started with Modeling and Simulation Workbench](#)
- ❖ Performant platform optimized for research and engineering workloads with the ability to scale out compute and storage

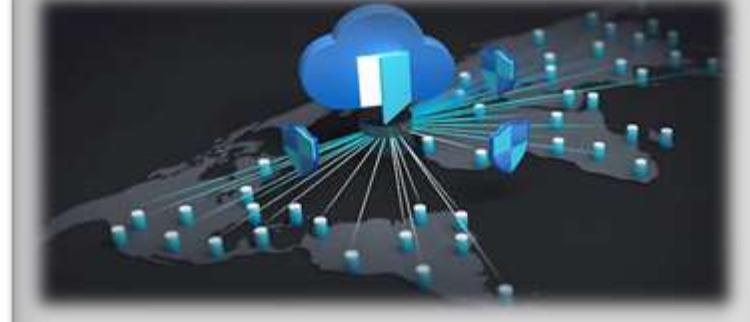


Azure Trusted Signing

Secure your applications with a fully managed end-to-end signing service for code, documents, applications, and more

Azure Trusted Signing

- ❖ Protect your applications with certificates that are fully managed through certificate authorities
- ❖ Start signing with minimal effort using a service that's managed as an Azure resource
- ❖ Flexible options and support for Public Trust, Private Trust, and Test Trust signing.
- ❖ Simplify certificate management with a fully managed service that protects and maintains Microsoft certificate authorities.
- ❖ Create seamless workflows and user experiences with familiar developer toolsets and broad file type support.
- ❖ Stay compliant and secure with both role-based access management in Azure and private keys secured with FIPS 140-2 Level 3 compliance.



Azure Programmable Connectivity :: Preview

Simplify network API management across multiple operator networks globally with a unified interface

Azure Programmable Connectivity

- ❖ Ensure code consistency and reliability, even as networks continue to evolve, without worrying about underlying network changes.
- ❖ Provide a unified standard interface across operator networks globally while abstracting the complexities of network APIs.
- ❖ SIM Swap : Check the last time that a SIM card was changed to prevent fraud.
- ❖ Number Verify : Seamlessly authenticate mobile devices to eliminate one-time password friction.
- ❖ Device Location : Verify geographic device location when GPS is not available.
- ❖ Quality on Demand : Guarantee reliable stable connection for critical applications when there is network congestion.

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

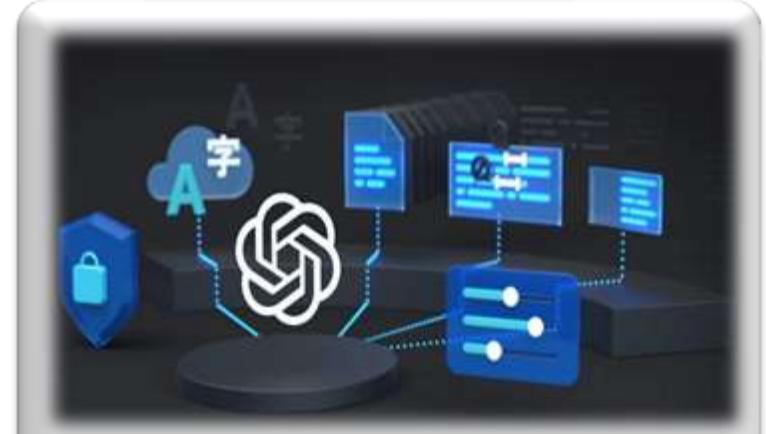


Azure Cognitive Services

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 AI Search

Deliver accurate, hyper-personalized responses in your Gen AI applications

Azure AI Search

- ❖ Leading information retrieval and search platform for RAG
- ❖ Reduce the complexity of data ingestion and search-index creation through integration with Azure storage solutions and simple RESTful APIs and SDKs.
- ❖ [Use advanced deep-learning models](#) from Microsoft Research and Bing to provide contextual and relevant results in your apps..
- ❖ [Knowledge Mining](#): Combine Azure AI Search with [Azure OpenAI Service](#) to apply the most advanced AI language models to your search solutions using your own data.
- ❖ Use state-of-the-art vector representations
- ❖ Store, index, and search vector embeddings for sentences, images, audio, graphs, and more
- ❖ Tailor the search experience to meet the unique requirements of your organization.



Microsoft Playwright Testing

Scalable end-to-end modern web app testing service

Microsoft Testing :: PreviewPlaywright

- ❖ Run Playwright tests with browser and OS combinations hosted in the cloud
- ❖ [Distribute tests across browsers with higher parallelization](#) in CI to run test suites faster.
- ❖ [Ensure apps work as expected for any user](#). Add OS-browser combinations in your test matrix without slowing execution.
- ❖ [Set up continuous end-to-end testing with GitHub Actions, Azure Pipelines, and other CI tools](#).
- ❖ [Learn more about using the Playwright Testing service](#) for your web application testing.
- ❖ [Scale your tests beyond the processing power](#) of your developer workstation, local infrastructure, or CI agent machines.
- ❖ Get support for the latest OSS framework features at scale



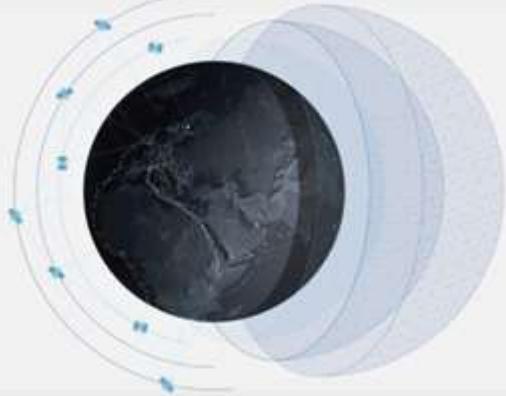
Azure Cost Management

Monitor, allocate, and optimize cloud costs with transparency, accuracy, and efficiency

Azure Cost Management

- ❖ Do more with less. Reduce costs and increase the efficiency of your cloud investments.
- ❖ [AI-powered functionality in Cost Management ::Preview](#)
- ❖ [Track usage, monitor expenses, isolate trends, and benefit](#) from forecasting
- ❖ [Implement governance policies](#) for effective cloud cost management and increase accountability with budgets and cost allocation.
- ❖ [Maximize the return on your cloud investment](#) by using continuous cost optimization and industry best practices.
- ❖ Learn how to use [Microsoft Cost Management APIs](#) to add cloud cost data to your applications
- ❖ [Optimize your costs from a consolidated set of resources](#) available to you in one place

Azure Services Directory

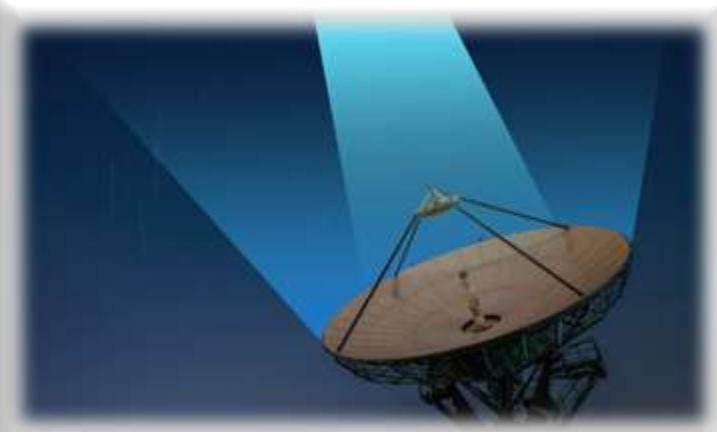


Azure Space

Combine the possibilities of space with the power of the cloud

Azure Space

- ❖ Offer end-to-end on-orbit edge processing solutions on Azure.
- ❖ Build and publish a real-time spacecraft simulation that interacts with on-orbit applications
- ❖ Downlink data without building or managing your own satellite ground station infrastructure
- ❖ Build cloud access points anywhere in the world by leveraging the power of 5G through satellite connectivity.
- ❖ Accelerate time to insight with Earth observation data using [Azure Synapse Analytics](#), [Azure AI](#), and real-time tasking
- ❖ [Reference architecture articulates](#) how to apply artificial intelligence over satellite imagery at scale
- ❖ Build streamlined data processing pipelines in the cloud to manage petabyte scale data with Azure data services.
- ❖ Reduce costs with free backhaul of space data to Azure from Earth observation ground stations.

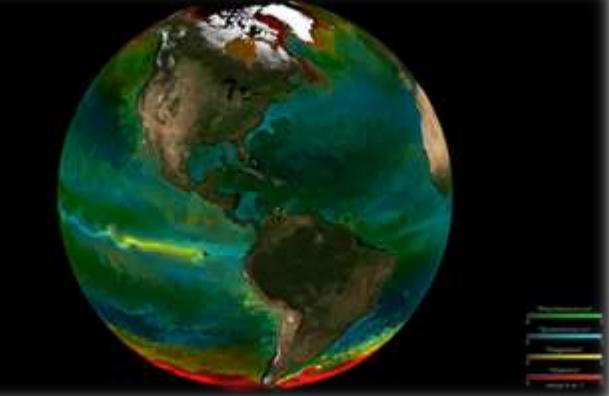


Azure Orbital Ground station

Rapidly ingest data from space into the cloud with a satellite ground station service.

Azure Orbital Ground station

- ❖ Select from a global network of Microsoft and partner [antennas](#), and scale as you grow your satellite fleet.
- ❖ Access an extensive ecosystem of cloud-based services, ground stations, and virtual modems through the Azure platform.
- ❖ Rely on resilient and security-enhanced ground stations for sending and receiving data from your satellite.
- ❖ Azure Orbital Ground Station collocates Microsoft ground stations in or near Azure datacenters.
- ❖ Azure Orbital Ground Station helps schedule contacts with Non-Geostationary Earth Orbit satellites (NGSO), which include Low Earth Orbit (LEO) and Medium Earth Orbit (MEO) satellites.
- ❖ Process your signal using integrated high-speed software modems or leverage partner offerings for signal, image processing, and calibration



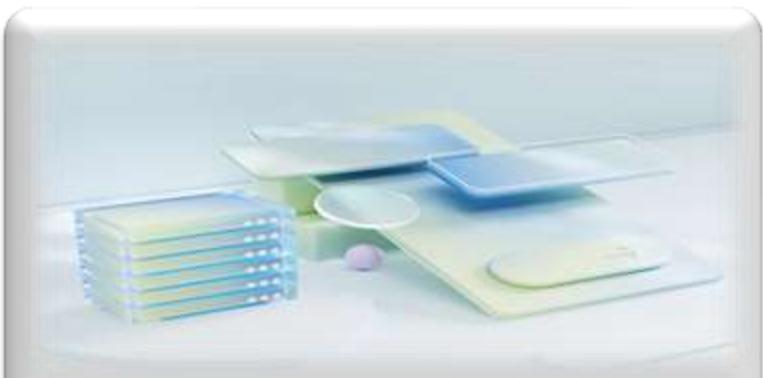
Microsoft Planetary Computer

A Planetary Computer for a Sustainable Future

Microsoft Planetary Computer

- ❖ [The Planetary Computer includes petabytes of environmental monitoring data, in consistent, analysis-ready formats, accessible through our APIs](#)
- ❖ Leverage the [Hub](#), a fully managed computing environment that allows scientists to process massive geospatial datasets.
- ❖ Planetary Computer data and APIs are publicly accessible
- ❖ Use the [request access form](#) to express your interest in becoming an early user.
- ❖ Microsoft's [AI for Earth program](#) also provides open source technical resources for conservation work
- ❖ Use tools for [accelerating biodiversity surveys with AI](#) and [AI-accelerated land cover analysis](#).

Azure Services Directory



Azure Managed Confidential Consortium Framework

Build Enterprise-grade, consortium-style stateful services and decentralized-trust applications with a common source of truth.

Azure Managed Confidential Consortium Framework

- ❖ Create enterprise operating models with transparent, programmable governance and hardware-backed integrity for logic and data.
- ❖ Ensure that transactions are confidential by default and logged with verifiable cryptographic proofs.
- ❖ Boost performance with database-like throughput, low latency, high availability, and disaster recovery.
- ❖ Governance, Built-in Verifiable History, Developer-Friendly Languages, Hardware-Based Security, and High-Availability and Resiliency

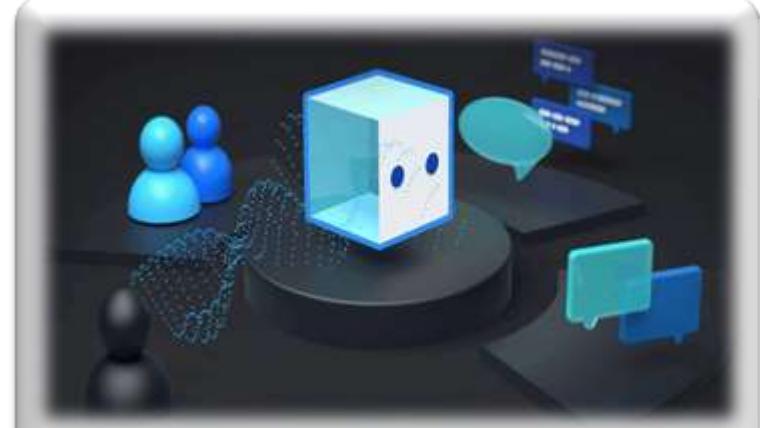


Azure Data Manager for Agriculture :: Preview

Create a more sustainable future by innovating with agriculture data

Azure Data Manager for Agriculture

- ❖ Accelerating innovation across the [agriculture value chain](#)
- ❖ Extends the Microsoft Intelligent Data Platform with industry-specific data connectors and capabilities to connect farm data from disparate sources.
- ❖ Provide predictive insights and promote sustainable farming practices with applications built on agronomic data.
- ❖ Optimize operations across the agri-food value chain
- ❖ Data connectors for imagery, equipment, weather, sensors, and more, with the ability to bring your own license.
- ❖ Harness abundant farm data to build solutions that increase productivity, reduce risk, and drive better decision making
- ❖ high-quality farm data and leverage a cloud foundation designed for security and compliance.



Azure AI Bot Service

Design and Build enterprise-grade AI Bots

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

Azure Services Directory

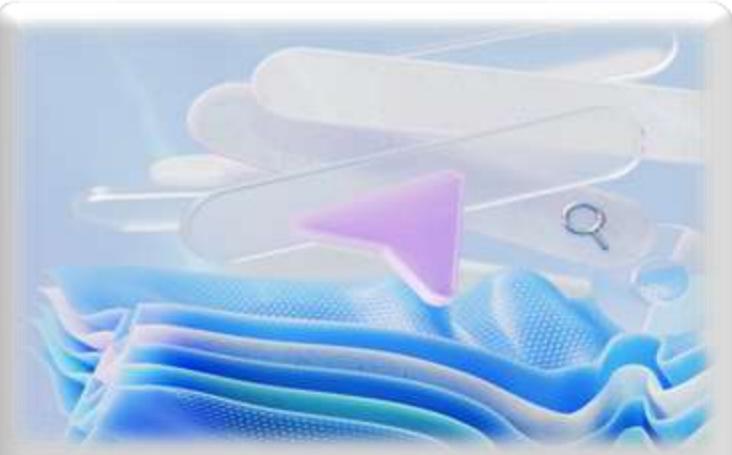


Azure AI Content Safety

Use AI to monitor text and image content for safety.

Azure AI Content Safety

- ❖ Monitor content with advanced AI-powered language and vision models
- ❖ [Detect offensive or inappropriate content in text and images](#) quickly and efficiently.
- ❖ [Multilingual capabilities in Azure AI Content Safety](#) enable content moderation in English, German, Spanish, French, Portuguese, Italian, and Chinese.
- ❖ [Establish responsible AI practices](#) by monitoring both user-and AI-generated content
- ❖ [Get Started with AI content Safety](#) :: Documentation and samples
- ❖ [Content Safety Studio not only contains out-of-the-box AI models but also includes Microsoft's built-in terms blocklists](#) to flag profanities and stay up to date with new trends.



Azure AI Studio

Simplify Generative AI application development

Azure AI Studio

- ❖ [Build your own Copilot](#)
- ❖ [Infuse your solution with AI capabilities](#) : Speech, Vision, Language
- ❖ Developers can ground models on their enterprise data and seamlessly integrate structured, unstructured, and real-time data using [Microsoft Fabric](#).
- ❖ [Built on Responsible AI](#): developers integrate responsible AI principles into the development process and evaluate AI applications for quality and safety.
- ❖ [New methods of creating AI solutions](#)
- ❖ [Built-in Retrieval augmented generation](#) and indexes capabilities
- ❖ [Azure AI Studio online training](#)



Azure AD is Microsoft Entra

Cloud identity, access, management, and security

Microsoft Entra

- ❖ [Security Copilot is coming to Microsoft Entra](#)
- ❖ [Application Integration](#) and [Single Sign-on \(SSO\)](#)
- ❖ Manage all your identities and access to all your applications in a central location, whether they're in the cloud or on-premises
- ❖ Protect access to resources and data using strong authentication and risk-based adaptive access policies
- ❖ [Microsoft Entra Permissions Management](#) has significant integrations that will give you insights on permission risks
- ❖ [Conditional Access Controls](#), Apply the right access controls to strengthen your organization's security.

Azure Services Directory



Cloud for Sovereignty

Unlocking Global Government Innovation

Cloud for Sovereignty: Preview

- ❖ [Sovereign control portfolio](#) including; Azure Confidential Compute, Azure Key Vault, and Data Sovereignty Policies
- ❖ [Sovereign guardrails and guidance](#) including; Infrastructure as code, Automated policy enforcement, and Workload templates
- ❖ [Compliance and Transparency](#): Meeting specific governance requirements, Enhanced Operational transparency, and Policy Portfolio for local and regulatory adherence
- ❖ [Public cloud capabilities with sovereign protection](#): Public cloud technology and flexibility, Trusted security, and Resiliency and Availability with low latency to the most extensive global footprint
- ❖ Improve resiliency, security, and scalability
- ❖ Achieve compliance to satisfy legal, security, and policy requirements with operational transparency

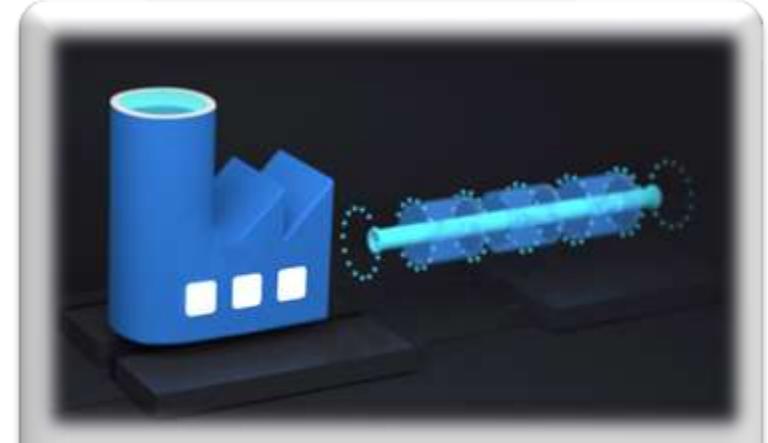


Azure AI Document Intelligence

Accelerate Information Extraction from documents

Azure AI Document Intelligence

- ❖ Applies advanced machine learning to extract text, key-value pairs, tables, and structures from documents automatically and accurately.
- ❖ Customize Results: Get output tailored to your layouts with automatic custom extraction and improve it with human feedback.
- ❖ Built-in Security: Rely on enterprise-grade security and privacy applied to both your data and any trained models.
- ❖ [Document Analysis](#): detects and extracts text and layout
- ❖ [Prebuilt, pretrained models](#)
- ❖ [Custom Form Service](#): train on your own data



Azure Data Factory

Simplify Hybrid Data Integration at Enterprise Scale

Azure Data Factory: Updates

- ❖ Fully managed, serverless data integration service
- ❖ [Accelerate data transformation with code-free data flows](#): data integration and transformation layer works across ETL
- ❖ [Rehost and extend SSIS in a few clicks](#): Azure Data Factory can help organizations looking to modernize SSIS.
- ❖ [Ingest all your data with built-in connectors](#): more than 90 built-in connectors from big data sources such as Amazon Redshift, Google BigQuery, and HDFS; enterprise data warehouses such as Oracle Exadata and Teradata; SaaS apps such as Salesforce, Marketo, and ServiceNow; and all Azure data services.
- ❖ [Orchestrate, monitor, and manage pipeline performance](#)
- ❖ [Leverage Azure Synapse Analytics](#) new capabilities

Azure Services Directory

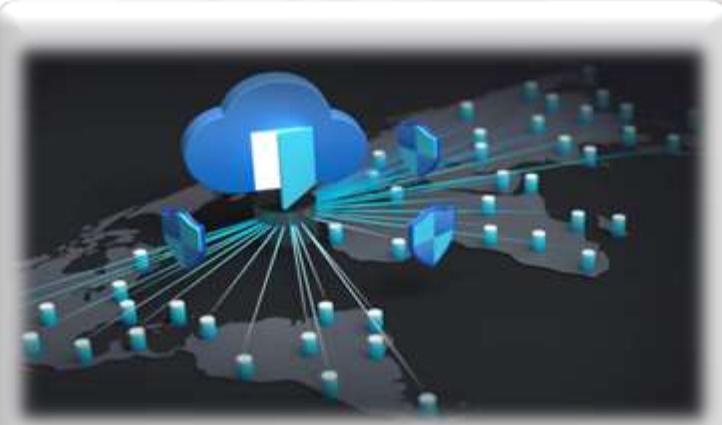


Microsoft Purview

Govern, protect, and manage your data estate

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](#)

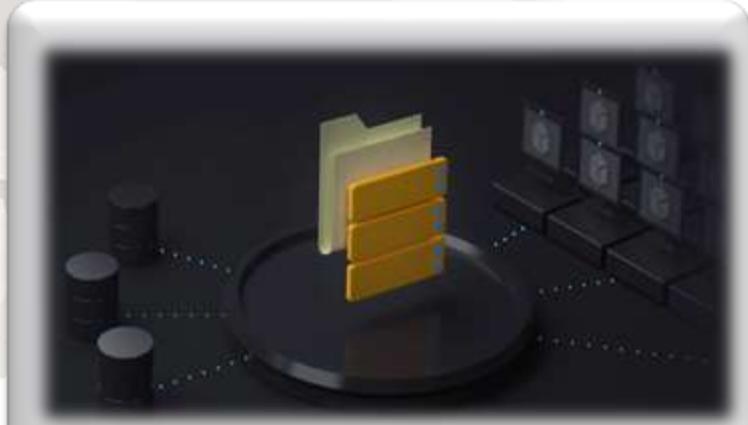


Microsoft Azure Attestation

Unified solution for remotely verifying the trustworthiness of a platform and integrity of the binaries running inside it

Azure Attestation

- ❖ Verify the identity and security posture of a platform before you interact with it
- ❖ Receive evidence from the platform and validate it with Security Standards
- ❖ Produce an attestation token for claims-based applications
- ❖ Supports Trusted Platform Modules (TPMs) and Trusted Execution Environments (TEEs) like Intel Software Guard Extensions (SGX) and Virtualization-based Security (VBS) enclaves
- ❖ Enforces customized Attestation Policies



Avere vFXT for Azure

Run High-Performance, File-based workloads in the cloud

Avere vFXT for Azure

- ❖ Process large datasets – terabytes to petabytes – quickly in Azure
- ❖ Automatically identify and cache active data for demanding workloads
- ❖ File-based applications access Azure through NFS, SMB or Azure Blob storage (REST)
- ❖ Supports Hybrid-Cloud and Cloud bursting architectures
- ❖ Used for visual effects rendering, life science, and HPC workloads

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](#)



Microsoft Fabric: Next Generation Analytics

Data Control end-to-end

Microsoft Fabric—an end-to-end analytics platform that brings together all the data and analytics tools that organizations need:

Data Factory (Data Integration)

Synapse Data Engineering

Synapse Data Warehouse

Synapse Data Science

Synapse Real-Time Analytics

Power BI (Business Intelligence)

Data Activator (*coming soon*)

The screenshot displays the Microsoft Fabric platform interface, which integrates multiple data and analytics tools. At the top, there's a banner with the text "DIFFERENTIATORS" and four key features: "Complete data platform", "Lake-centric and open", "Built for a data culture", and "Powered by AI". Below this, there are several sections: "Overview", "Single experience", "Governance and security", and "Unified capacity". The "Unified capacity" section includes a note about simplifying billing and reducing costs with a single pool of capacity and storage. To the right, a large dashboard shows "Premium Capacity Usage and Resource Utilization" with various charts and metrics. Below the main interface, there's a "Power BI Microsoft Purview hub" section with a circular chart showing data distribution across workspaces, notebooks, and datasets. To the right, there are eight cards representing different Microsoft services:

- Data engineering**: Design systems to help you organize and analyze large volumes of data. [Learn how](#)
- Data science**: Use AI tools to build end-to-end workflows, enrich data, and improve insights. [Learn how](#)
- Data warehouse**: Scale compute and storage independently with industry-leading SQL performance. [Learn how](#)
- Real-time analytics**: Explore and analyze large volumes of streaming data in real-time with high performance and low latency. [Learn more](#)
- Data monitoring and action**: Drive timely actions by creating automated monitoring systems to detect patterns and changes. [Learn more](#)
- Business intelligence**: Turn your data into visually immersive, interactive insights and embed them in Microsoft 365. [Learn more](#)

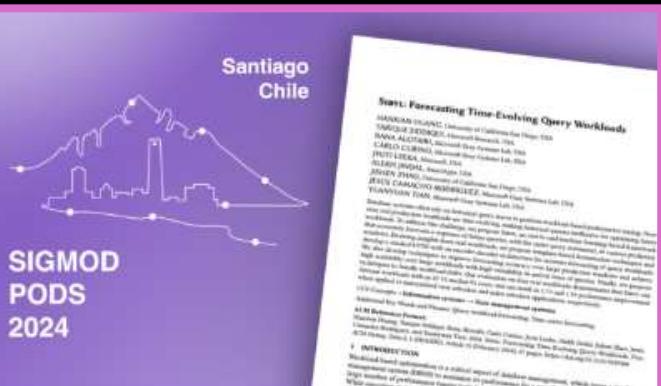
Microsoft Research Blog

Research Focus: Week of June 10, 2024

4

June 12, 2024

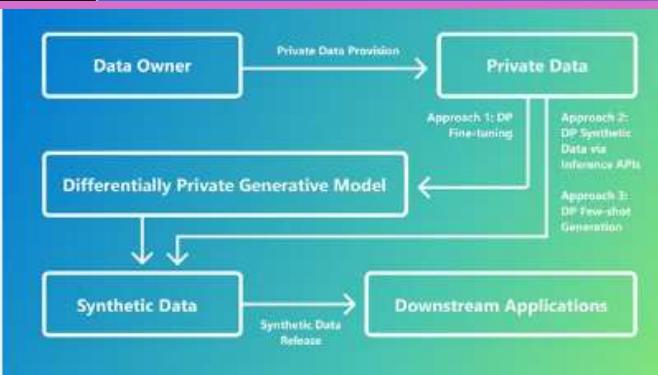
In this issue: RELEVANCE automatically evaluates creative LLM responses; Recyclable vitrimer-based printed circuit boards; Lean Attention: Hardware-aware scalable attention mechanism;...



SIBYL: A machine learning-based framework for forecasting dynamic workloads >

June 11, 2024

SIBYL is a machine learning model that makes highly accurate predictions of database queries, enabling tuning for more efficiency. Applying traditional database optimizations to these predicted queries helps maintain high performance as demands change.



The Crossroads of Innovation and Privacy: Private Synthetic Data for Generative AI >

May 29, 2024

Synthetic data could potentially help address some privacy concerns with AI model development and training, but it comes with limitations. Researchers at Microsoft are exploring techniques for producing more realistic data with strong privacy protections.



Introducing Aurora: The first large-scale foundation model of the atmosphere >

June 3, 2024

Aurora, a new AI foundation model from Microsoft Research, can transform our ability to predict and mitigate extreme weather events and the effects of climate change by enabling faster and more accurate weather forecasts than ever before.



[GigaPath: Whole-Slide Foundation Model
for Digital Pathology >](#)

May 22, 2024 | Hoifung Poon and Naoto Usuyama

Digital pathology helps decode tumor microenvironments for precision immunotherapy. In joint work with Providence and UW, we're sharing Prov-GigaPath, the first whole-slide pathology foundation model, for advancing clinical research.



RASCAL: Novel robotics for scalable and highly available automated storage and retrieval >

May 14, 2024

RASCAL is an untethered robot with a modular design, allowing it to move flexibly along and between evenly spaced storage shelves. Discover how it can address the availability and scalability challenges of existing automated storage and retrieval systems.

Microsoft Quantum Blog :: Innovation News



In collaboration with Microsoft, Photonic demonstrates quantum entanglement at telecom wavelengths >

May 30, 2024 • 4 min read

By Dennis Torn, General Manager of Azure Quantum

In November 2023, Microsoft and Photonic initiated their collaborative effort to advance quantum networking and computing. Today, Photonic announced the capability to successfully transfer quantum information between two physically separated qubits in a point-to-point connection using photons at telecom wavelengths. [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.

Prompting the Copilot

- In the code window, select Explain code to prompt the Copilot in Azure Quantum to generate an analysis of the code sample.

You can prompt the Copilot in Azure Quantum for almost anything quantum related, for example:

- "Explain the MResetZ operation"
- "Write Q# code that entangles two qubits"
- "Explain quantum interference"

Quantum coding
Learn quantum coding with help from Copilot in Azure Quantum. Write and run quantum code right from your browser, or ask Copilot for a sample then copy, run, and explore.

[Try now >](#)

Quantum Chemistry
Learn about quantum chemistry with Azure Quantum's 3D interactive viewer. Ask copilot to show you a molecule and orbital visualization, or select one of the prompts to get started.

[Try now >](#)

Quantum tutorials
Try the Azure Quantum "katas": free, self-paced quantum programming exercises that teach the elements of quantum computing and the Q# programming language.

[Try now >](#)

Quantum & crypto
Grow your understanding of the intersection of quantum computing and cryptography with the Azure Quantum Resource Estimator and Copilot in Azure Quantum.

[Try now >](#)

Showcase Blog



Microsoft Showcase Series

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.

May 30, 2024 | Justin Couture

[Empowering our employees with generative AI while keeping the company secure](#)

Copilot for Microsoft 365 Deployment and Adoption Guide Read our step-by-step guide on deploying Copilot for Microsoft 365 at your company. It's based on our experience deploying it here at Microsoft: Full version eBook version Version for executives eBook version for executives Generative AI (GenAI) is rapidly changing the way businesses operate, and everyone wants...

Jun 6, 2024 | Inside Track bot

[Creating a manageable Microsoft Azure subscription model](#)

Editor's note: This story was written by a bot powered by Microsoft Azure OpenAI. The bot interviews subject matter experts in Microsoft Digital to generate new stories quickly. We have humans in the loop to ensure the accuracy and completeness of our AI-powered stories. In the rapidly evolving world of cloud services, managing technical subscriptions...

[Deploying Copilot for Microsoft 365 in four chapters](#)

A how-to guide from our Microsoft Digital team the first IT organization to fully deploy our new AI productivity assistant What this guide contains Intra: Deploying Copilot for Microsoft 365 Chapter 1: Getting governance right Chapter 2: Implementation with intention Chapter 3: Driving adoption to capture value Chapter 4: Building a foundation for support Appendix...

May 22, 2024 | Lukas Velush

[Upgrading Microsoft's core Human Resources system with SAP SuccessFactors](#)

Microsoft's core Human Resources system was aging and needed to be replaced. Thanks to its limitations, when a company employee transferred to a new job in a different country or region, it could seem like they were starting over. "When employees moved country to country within the company, behind the scenes our HR operations teams...

Jun 5, 2024 | Lukas Velush

[Moving our network to the cloud with Microsoft Azure](#)

Our ongoing move to cloud networking here at Microsoft is at the core of our larger connectivity strategy. Very practically, this shift is playing a pivotal role in how we are and will continue to support our more than 221,000 employees across 180 countries and regions, many of whom are working remotely. Our need to...

May 23, 2024 | Lukas Velush

[Deploying Copilot for Microsoft 365 with the help of—you guessed it—Copilot](#)

Copilot for Microsoft 365 Deployment and Adoption Guide Read our step-by-step guide on deploying Copilot for Microsoft 365 at your company. It's based on our experience deploying it here at Microsoft: Full version eBook version Version for executives eBook version for executives Now that we've deployed Copilot for Microsoft 365 internally here at Microsoft, it's...

May 30, 2024 | Justin Couture

[Empowering our employees with generative AI while keeping the company secure](#)

Copilot for Microsoft 365 Deployment and Adoption Guide Read our step-by-step guide on deploying Copilot for Microsoft 365 at your company. It's based on our experience deploying it here at Microsoft: Full version eBook version Version for executives eBook version for executives Generative AI (GenAI) is rapidly changing the way businesses operate, and everyone wants...

Microsoft Events and Training: Updates



Microsoft Virtual Training Days

Gain new skills by attending a free technical skilling event with Microsoft.

[Register now >](#)

Browse all courses, 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.

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.

[All events](#) [Azure](#) [Microsoft 365](#) [Dynamics 365](#) [Power Platform](#) [Surface](#)

Power Platform

Microsoft Power Platform Virtual Training Day: Fundamentals

Explore the basics of building and managing innovative business solutions with Microsoft Power Platform.

Date & Time: Wed 26 Jun 2024, 12:00 PM - 03:45 PM
Timezone: EDT
Country: United States
Skill Level: Beginner

[Register >](#)

M365 Copilot Customer Readiness Workshop Training

08/05/2024 | 07:00 - 08:30 (CDT)

- Digital
- English (United Kingdom)
- Training

Dear Microsoft Partner, Are you ready to empower your customers with innovative solutions tailored to their business...
[Show more](#)

On the Brink: Microsoft Security Immersion Event

07/05/2024 | 12:00 - 16:00 (CDT)

Digital
English (United States)
Meetup

Your data is crucial to your organization's success and keeping that data secure is a top priority. Ensuring the protection of...
[Show more](#)

Azure

Microsoft Azure Virtual Training Day: Accelerate Development using Azure DevOps and GitHub

Discover real-world challenges and how to resolve them using Azure DevOps and GitHub – for both admins and end users.

Date & Time: Wed 26 Jun 2024, 12:00 PM - Thu 27 Jun 2024, 12:00 PM
Timezone: EDT
Country: Canada
Skill Level: Intermediate

[Register >](#)



New Training Initiative – Digital Skills for the Future

help professionals gain and demonstrate their skill

Build the skills you need for the digital economy

LinkedIn and Microsoft have teamed up to provide free courses to help you keep your skills relevant

LinkedIn Learning

Microsoft



Career Essentials in Generative AI

Learn the core concepts of Artificial Intelligence and generative AI functionality. This learning path will introduce currently available generative AI tools, explore their impacts, and discuss the importance of ethical considerations when using them.

Skills you'll learn:

- Develop an understanding of generative AI models
- Learn the ethical considerations of using generative AI
- Explore the impact of generative AI tools
- Basics of Microsoft 365 Copilot

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



Career Essentials in 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](#)



Career Essentials in Cybersecurity

Discover the foundational skills needed for a career in cybersecurity. Gain a solid understanding of commonly used cybersecurity terms. Explore the current threat landscape and learn the core concepts of cybersecurity.

Skills you'll learn:

- Fundamental cybersecurity concepts
- Fluency in cybersecurity terminology
- Navigating the cybersecurity threat landscape

[Earn your Career Essentials in Cybersecurity Professional Certificate](#)



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Harness the power of technology to foster sustainable change. This learning path will equip you with an understanding of sustainability concepts vital to businesses, ways sustainability can drive innovation, and tech solutions that can help companies meet strategic sustainability goals.

Skills you'll learn:

- Foundational sustainability concepts
- Opportunities for sustainable innovation
- Why sustainability is key to a cloud solution
- Sustainable solutions using Microsoft Cloud

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ESI Training Journey

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

Microsoft Azure Training Journey

This pathway provides a comprehensive guide to learning Microsoft Azure, covering various services and best practices.

<https://aka.ms/ESIAzureTrainingJourney>

Microsoft Security Operations Analyst

This pathway focuses on Microsoft Security Operations Analyst certification, covering topics like threat hunting, security operations, and Microsoft Defender.

Microsoft Security, Compliance, and Identity Training Journey

This pathway covers Microsoft Security, Compliance, and Identity training, including Microsoft Security Operations Analyst certification.

<https://aka.ms/ESISecurityTrainingJourney>

Azure AI Engineer Learning Pathway

This pathway guides you through becoming an Azure AI engineer, covering Cognitive Services, Machine Learning, and more.

Fabric Learning Companion

This pathway provides a comprehensive guide to Microsoft Fabric, covering data engineering, data lakes, and more.

Microsoft Learning and Training :: Learning Blog



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MODULE

Introduction to the Microsoft Azure Well-Architected Framework

⌚ 1 hr 4 min

Beginner • Solution Architect • Azure



MODULE

Build natural language solutions with Azure OpenAI Service

⌚ 57 min

Azure • AI Engineer • Intermediate



A large rounded rectangular card featuring a monitor icon with a lightning bolt and brain, a desk lamp, and a cloud in the background. The text "AI Engineer" is at the bottom left, and "Define and implement cutting-edge AI solutions." is at the bottom right.

A large rounded rectangular card featuring a smartphone icon with various app icons. The text "Security Operations Analyst" is at the top left, and "Protect your organization for security threats." is at the bottom right.

A large rounded rectangular card featuring a globe icon. The text "MODULE" is at the top left, followed by "Automate development tasks by using GitHub Actions". Below that is a timer icon "⌚ 49 min", the text "Beginner • DevOps Engineer • GitHub", and a "Save" button with a plus sign.

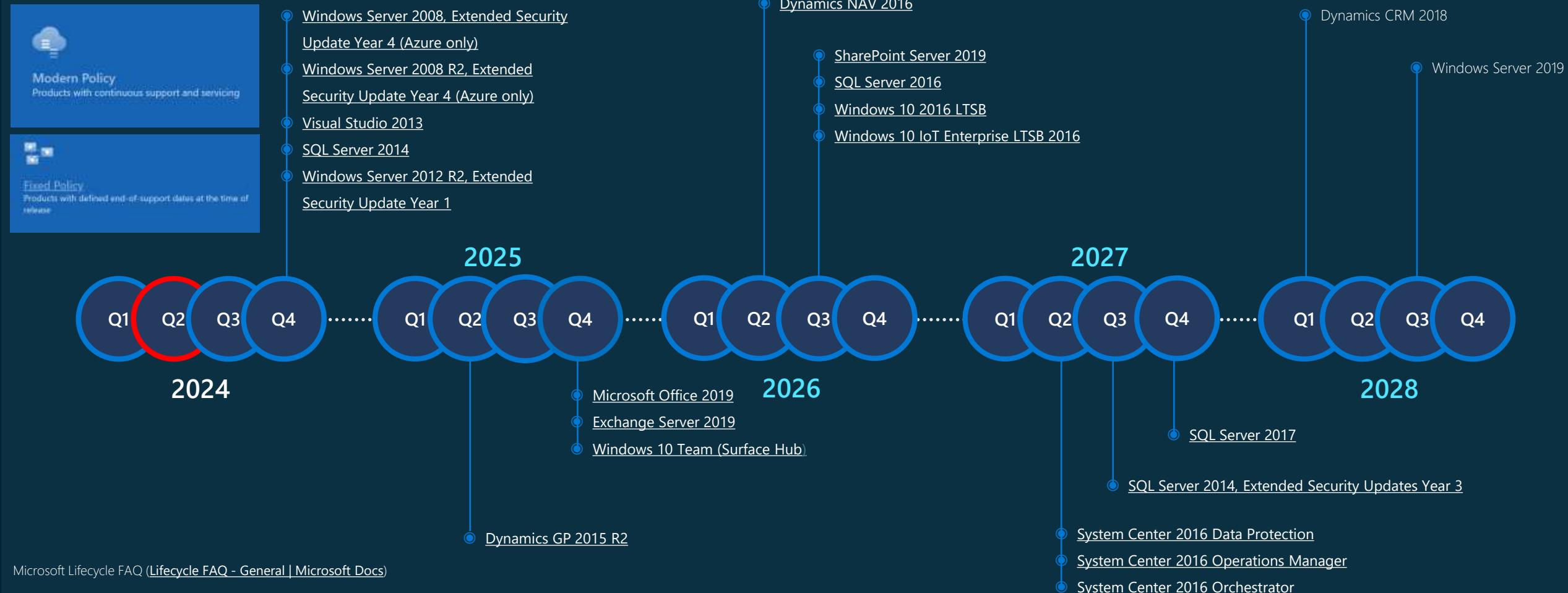
A large rounded rectangular card featuring a smartphone icon with a starburst effect. The text "LEARNING PATH" is at the top left, followed by "Develop Generative AI solutions with Azure OpenAI Service". Below that is a timer icon "⌚ 5 hr 34 min", the text "Azure • AI Engineer • Intermediate", and a "Save" button with a plus sign.

Product Lifecycles





End of Service Roadmap to 2028



Microsoft Lifecycle FAQ ([Lifecycle FAQ - General | Microsoft Docs](#))

Microsoft Lifecycle Policy Details (<https://support.microsoft.com/en-us/lifecycle>)

** IE11 support ends for connection to Microsoft 365 (<https://docs.microsoft.com/en-us/lifecycle/announcements/m365-ie11-microsoft-edge-legacy>)

^ Microsoft 365 Apps, Office 2016, Office 2019 supported as clients for Microsoft 365 (<https://docs.microsoft.com/en-us/deployoffice/endofsupport/office-365-services-connectivity>)

~ TLS 1.0/1.1 Deprecated (<https://docs.microsoft.com/en-us/microsoft-365/compliance/tls-1-0-and-1-1-deprecation-for-office-365?view=o365-worldwide>)

Microsoft Product Lifecycle: Modern Policy Products that will Retire



Products under Modern Policy that will Retire in 2024

Products Moving to End of Servicing (Modern Policy)	Retirement Date
Azure Data Lake Storage Gen1	February 29, 2024
Xamarin Community Toolkit Xamarin.Android Xamarin.Essentials Xamarin.Forms Xamarin.iOS Xamarin.Mac	May 1, 2024
Azure Cloud Services (classic) Machine Learning Studio (classic) Visual Studio for Mac	August 31, 2024
Azure Database for MySQL Single Server	September 16, 2024

Products under Modern Policy that will Retire in 2025

Products Moving to End of Servicing (Modern Policy)	Retirement Date
Azure Basic Load Balancer Azure Unmanaged Disks	September 30, 2025
Windows 10 Enterprise and Education Windows 10 Home and Pro Windows 10 IoT Enterprise	October 14, 2025

Announcements

- ✖ Windows 10, version 21H2 end of updates (Enterprise, Education)
- ✖ Teams Live Events retiring September 30, 2024
- ✖ Power BI Windows app to be retired December 31, 2023
- ✖ Visual Studio for Mac to be retired August 31, 2024
- ✖ Windows 11, version 21H2 end of servicing (Home & Pro)
- ✖ Power BI Windows app for Surface Hub reaching retirement

Lifecycle data export

Export all products

Export lifecycle data for all products by clicking below:

Export All Products

- ✖ 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
- ✖ Windows Server 2012 and 2012 R2 reaching end of support
- ✖ UPDATED: Support extended for Visio Services in SharePoint Online (aka Visio Web Access)

See more >

Microsoft Product Lifecycle: Modern Policy Reaching End of Servicing



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
.NET 7	May 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

Products Release End of Servicing for 2025

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Dynamics 365 Business Central on-premises (Modern Policy), 2023 release wave 2, version 23.x	April 2, 2025
Microsoft Configuration Manager, Version 2309	April 9, 2025
Dynamics 365 Business Central on-premises (Modern Policy), 2024 release wave 1, version 24.x	October 7, 2025
Windows 11 Enterprise and Education, Version 22H2 Windows 11 IoT Enterprise, Version 22H2	October 14, 2025
Microsoft Configuration Manager, Version 2403	October 22, 2025
Windows Server Annual Channel, Version 23H2	October 24, 2025
Windows 11 Home and Pro, Version 23H2	November 11, 2025

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2024



Products Reaching End of Support for 2024

Products Moving to End of Support (Fixed Policy)	End of Support 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,

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2025



Products Release End of Support for 2025

Products Moving to End of Support (Fixed Policy)	End of Servicing Date
Visual Studio 2022 , Version 17.6 (LTSC channel)	January 9, 2025
Dynamics C5 2015 Dynamics CRM 2015 Dynamics NAV 2015 Dynamics SL 2015	January 14, 2025
Dynamics GP 2015 Dynamics GP 2015 R2	April 8, 2025
Microsoft SQL Server 2012, Extended Security Update Year 3 SQL Server 2014, Extended Security Updates Year 1 Visual Studio 2022 , Version 17.8 (LTSC channel)	July 8, 2025

Products Moving to End of Support (Fixed Policy)	End of Servicing Date
Access 2016 Access 2019 Dynamics 365 Business Central on-premises (Fixed Policy) Excel 2016 Excel 2019 Exchange Server 2016 Exchange Server 2019 Microsoft Office 2016 Microsoft Office 2019 Microsoft Report Viewer 2015 Runtime OneNote 2016 Outlook 2016 Outlook 2019 PowerPoint 2016 PowerPoint 2019 Project 2016 Project 2019 Publisher 2016 Publisher 2019 Skype for Business 2016 Skype for Business 2019 Skype for Business Server 2015 Skype for Business Server 2019 Visio 2016 Visio 2019 Visual Studio 2015 Visual Studio Team Foundation Server 2015 Windows 10 2015 LTSB Windows 10 IoT Enterprise LTSB 2015 Windows 10 Team (Surface Hub) Windows Defender Exploit Guard Windows Defender for Windows 10 Windows Server 2012, Extended Security Update Year 2 Windows Server 2012 R2, Extended Security Update Year 2 Word 2016 Word 2019	October 14, 2025

Microsoft Product Lifecycle: Products moving to Extended Support



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

Products Moving to Extended Support for 2025

Products Moving to Extended Support (Fixed Policy)	End of Support Date
SQL Server 2019	February 28, 2025
Azure DevOps Server 2020 Microsoft Robotics	October 14, 2025

Microsoft Product Lifecycle: Azure Changes 2024



Azure Item	Retirement
Select Batch images	January 9, 2024
Azure Active Directory Connect version retirement (2021)	February 29, 2024
Azure Application Gateway analytics solution	
Azure Batch rendering VM images & licensing	
Azure Batch Transcription and Customization Rest API v2	
Azure Data Lake Analytics	
Azure Data Lake Storage Gen 1	
Azure Media Services v2 API	
Azure Network Watcher Connection Monitor (classic)	
Azure Stack Edge Pro FPGA	
AzureRM Powershell modules	
Classic alerts in Azure Monitor for Gov cloud	
Classic alerts in Azure Monitor for Mooncake	
Classic Application Insights	
Classic Azure Migrate	
Cognitive Services Text Analytics v2.x	
Jenkins plug-ins for Azure	
Legacy Azure Kubernetes Services AAD integration	
Standard version of Custom Voice	
Virtual Machines NC Series	
Virtual Machines NCv2 Series	
Virtual Machines ND Series	
Virtual Machines NVv1 Series	
Retirement of Azure Storage PHP SDK	March 17, 2024
Changes to My Groups admin controls	March 31, 2024
Select Batch Pool Autoscale Statistics	
.NET 7 on App Service	May 13, 2024
Azure Media Services	June 30, 2024
Azure Video Indexer adjustments due to Azure Media Services retirement	
Azure Synapse Runtime for Apache Spark 3.2	July 8, 2024
Azure HDInsight A Series	August 30, 2024

Azure Item	Retirement
ADF Data Flows Compute Optimized SKU	August 31, 2024
App Service Environment v1 and v2	
Azure Automation Agent-based user Hybrid Runbook Worker	
Azure Automation Update Management	
Azure Cache for Redis Cloud Services	
Azure Functions Azure Cosmos DB V3 Extension Retirement	
Azure Monitor Log Analytics Agent	
Azure Monitor Multi Step WebTest	
Azure Monitor Release Annotations using API keys	
Basic and Standard A-series VM families support	
Change Tracking with LA (Log Analytics) Agent	
Classic Resource Providers	
Classic Storage Account	
Classic Subscription administrator roles	
Cloud Services - Integration Service Environment (ISE)	
Cloud Services (RDCE)	
HPC Pack burst to Cloud services	
Machine Learning Studio (classic)	
RDCE networking resources (classic)	
Retirement of Azure Cosmos DB .NET SDK (Cosmos DB)	
Synapse Analytics Data Flows Compute Optimized SKU	
Text To Speech (Standard Voice)	
Virtual Machines Basic and Standard A-series AV1	
Virtual Machines HB Series	
Azure Storage for Go blob Track 1 SDK	September 13, 2024
Azure Storage for Go file Track 1 SDK	
Azure Storage for Go queue Track 1 SDK	
Microsoft Azure Storage Track 1 SDK for Java	
Retirement of Azure Storage Android Track 1 SDK	
Retirement of Azure Storage Ruby Track 1 SDK	
Azure database for MySQL Single Server	September 16, 2024
Azure Maps Data V1 & Data V2 API	

Azure Item	Retirement
.NET Standard user-defined functions	September 30, 2024
Automatic configuration of LVM for CycleCloud	
Volume mounts	
Azure Monitor Application Insights Python	
OpenCensus SDK	
Azure Sphere CLI V1	
Batch CLI extensions	
BeeGFS filesystem cluster type	
C# custom deserializer for Azure Stream Analytics	
Grafana 9 End of Support for Azure Grafana Services	
HTCondor scheduler cluster type	
MFA Server Retirement	
Pool list usage metrics API	
Task authentication token	
Python 3.8 on App Service	October 1, 2024
Azure Cache for Redis TLS 1.0/1.1	October 31, 2024
Azure-wide TLS 1.0/1.1 support announcement	
Flexible PG 11 retirement	November 9, 2024
Single Server PostgreSQL 11	
.NET 6 LTS on App Service	November 12, 2024
Azure Functions - .NET 6 community EOS	
Azure Spatial Anchors	November 20, 2024
PHP 8.1 on App Service	November 25, 2024

Microsoft Product Lifecycle: Azure Changes 2025



Azure Item	Retirement
HTTP Application Routing add-on for AKS	March 3, 2025
Azure pod identity v1 (public preview) Explainability and Fairness Dashboard	March 14, 2025
“Global ingestion endpoints” (resulting in Instrumentation Key deprecation) Every-write AOF on Redis Enterprise Git Repository - API Management 2	March 15, 2025
Azure Database for PostgreSQL - Single Server	March 28, 2025
Azure HDInsight 4.0 Azure HDInsight 5.0	March 30, 2025
Application Insights ‘instrumentation key’ based global ingestion Azure Functions Service Bus Extension v4 Azure Maps Creator Feature State APIs Azure Maps Native SDK Azure portal templates Azure Time Series Insights Chef Run_lists and Cookbooks in Azure CycleCloud Cluster-Init Projects Container Monitoring solution Cost Management - Connector for AWS Direct Management API Microsoft Azure Storage Track 1 SDK for C++ QnAMaker Service V1 Retirement of Platform Enabled DR for App Service Web Apps Standard_NC24rs_v3 VM size Visual Studio App Center	March 31, 2025
Ubuntu 20.04 LTS support	April 23, 2025
Node 18 LTS on App Service	April 30, 2025

Azure Item	Retirement
Cluster Configuration Flux v1	May 24, 2025
SAP HLI SKU Retirement	June 30, 2025
Azure Database for MariaDB	September 19, 2025
App Insights API Key Retirement Azure Database for MySQL v5.7 end of support Azure HPC Cache Azure vFXT Basic IP Basic Load Balancer Default Outbound Access Default outbound access for Simplified node communication pool without public IP addresses Legacy MFA and SSPR policies - authentication methods Microsoft Defender for Cloud - Microsoft Actions and Compliance Offerings components ServiceMap Standard_NC6s_v3, Standard_NC12s_v3, and Standard_NC24s_v3 VM sizes Unmanaged Disks VPN Gateway Standard and High-Performance SKUs	September 30, 2025
Language Understandings (Luis) v1 deprecation	October 1, 2025



Acquisitions and Announcements

Microsoft Acquisitions - 2024



Company	Date	Description
		No Acquisitions Yet for 2024

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).</p> <p>Fungible's technologies help enable high-performance, scalable, disaggregated, scaled-out datacenter infrastructure with reliability and security.</p> <p>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
<u>Lumenisity</u>	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 .
<u>Miburo</u>	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.
<u>Minit</u>	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 .
<u>Oribi</u>	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 .
<u>Activision Blizzard</u>	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."

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Pages MSFT_ESA Abbas_MSFT Link + Bookmarks

Bing

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- [Abbas Kudrati: books, biography, latest update](#)
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My Short Bio / Profile

List of cool collections of interesting portals and links

- [The History of Microsoft Azure](#)
- [Chief Information Security Officer \(CISO\) Workshop](#)
- [Mark Simos's List](#)
- [Microsoft 365 Licensing](#)
- [Collection of Microsoft Portals Link](#)
- [CISO MindMap 2023: What do InfoSec Professionals...](#)
- [CISO Bookmarks](#)
- [John Savill's Technical Training](#)
- [Microsoft Cybersecurity Reference Architecture](#)
- [Microsoft Service Trust Portal](#)
- [Microsoft Defender Mind Map](#)

Online meeting booking portal for Abbas Kudrati

Online meeting booking portal

Event speaker request form for Abbas Kudrati

Event speaker request form

Microsoft Threat Intel Collection

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- [Defender for Threat Intelligence](#)
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Microsoft Product Ninja Trainings

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Msrb-blog.microsoft.com/feed/report/list (Live feed)

Updating our Vulnerability Severity Classification for AI Systems 3 months ago – The Microsoft Security Response Center (MSRC) is always looking for ways to provide clarity and transparency around how we assess the impact of vulnerabilities...

Congratulations to the MSRC 2023 Most Valuable Security Researchers! 3 months ago – The Microsoft Researcher Recognition Program offers public thanks and recognition to security researchers who help protect our customers through discovering...

Www.microsoft.com/en-us/security/blog (Live feed)

AgentSmith HIDS – Host Based Intrusion Detection 3 months ago – AgentSmith HIDS is a powerful component of a Host-based Intrusion Detection system, it has anti-rootkit functionalities and is a very performant way to collect information about a host.

padre – Padding Oracle Attack Exploiter Tool 3 months ago – padre is an advanced exploiter and Padding Oracle attack tool that can be deployed against CBC mode encryption.

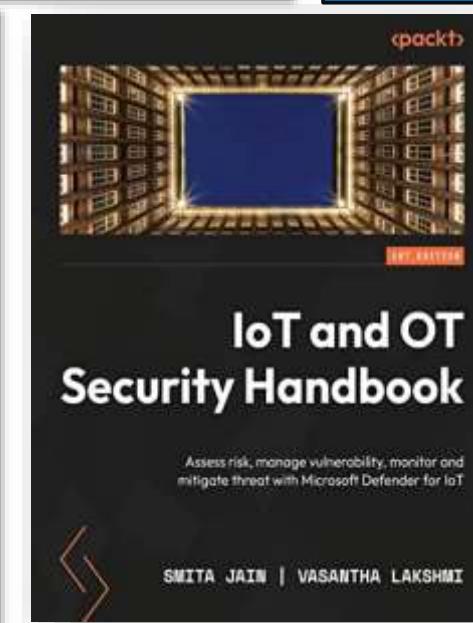
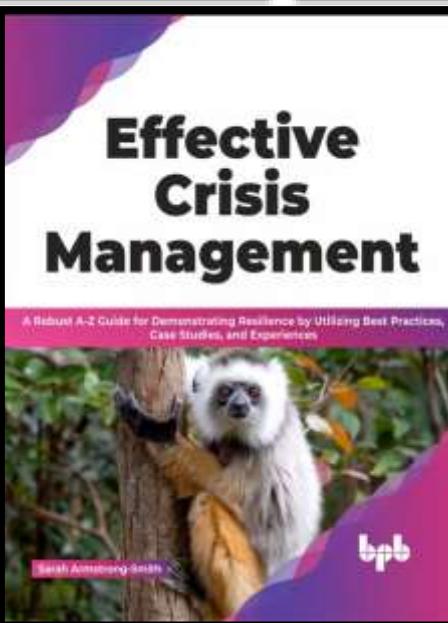
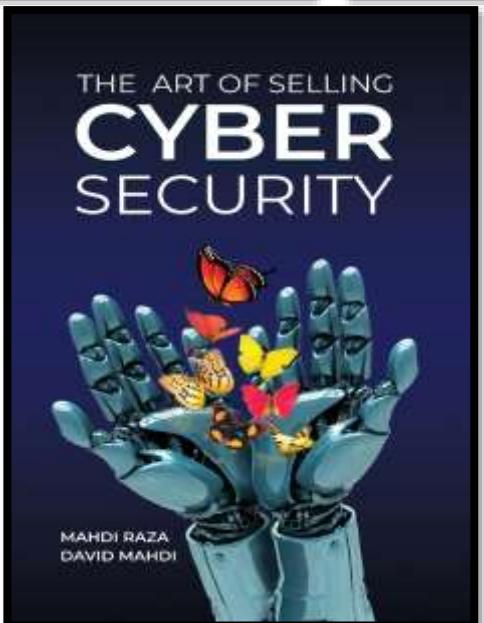
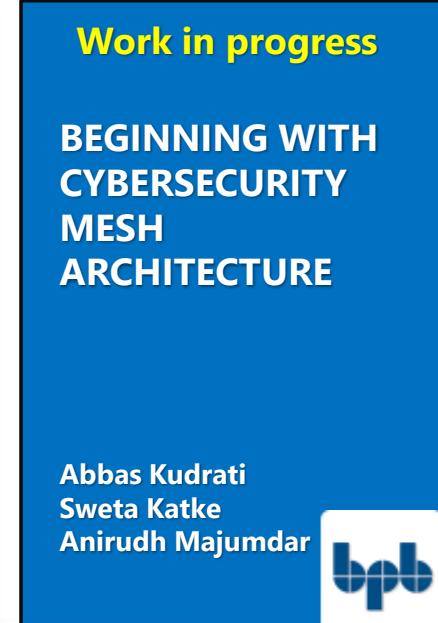
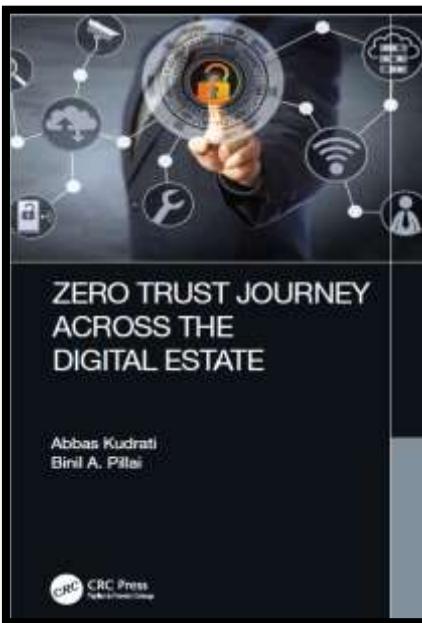
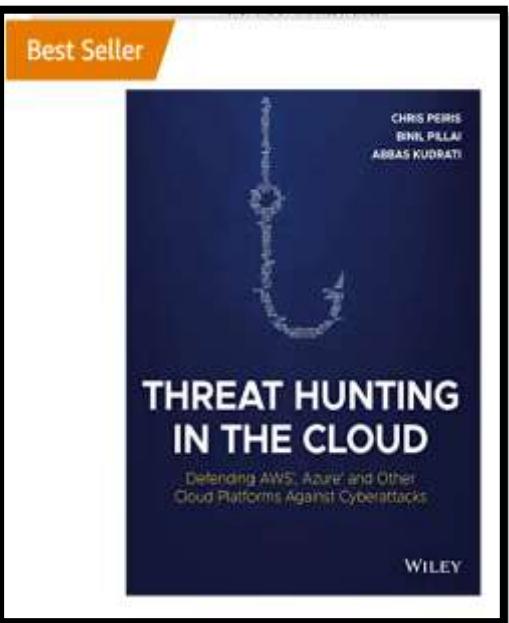
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- [Chromium: CVE-2023-6112 Use after free in Navigation](#)
- [Chromium: CVE-2023-5997 Use after free in Garbage ...](#)
- [CVE-2023-36008 Microsoft Edge \(Chromium-based\) ...](#)
- [CVE-2023-36026 Microsoft Edge \(Chromium-based\) ...](#)
- [CVE-2021-1730 Microsoft Exchange Server Spoofing ...](#)

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