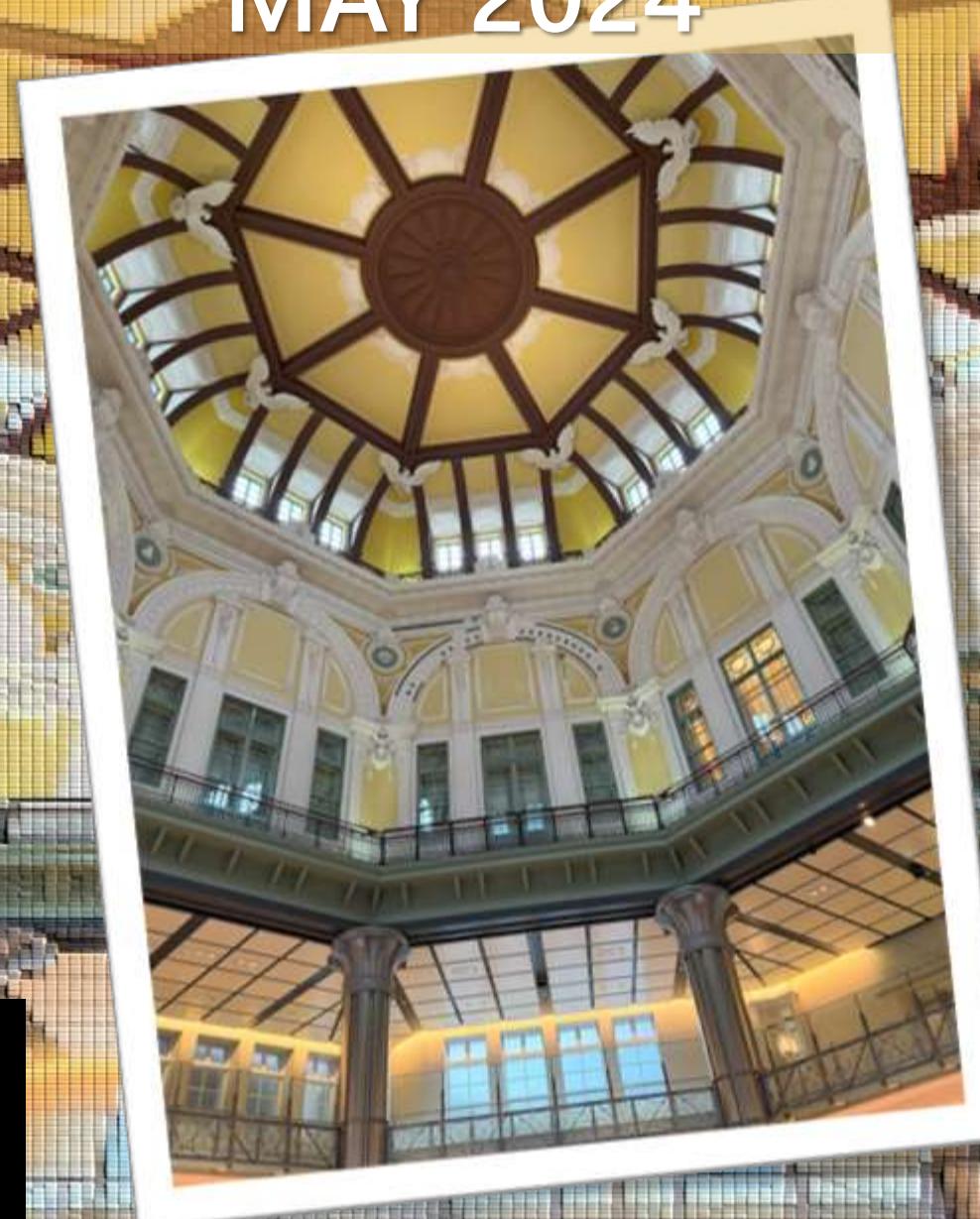




Microsoft

Monthly Tech Briefing

MAY 2024



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

Microsoft

- 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

Acquisitions and Announcements

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

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.

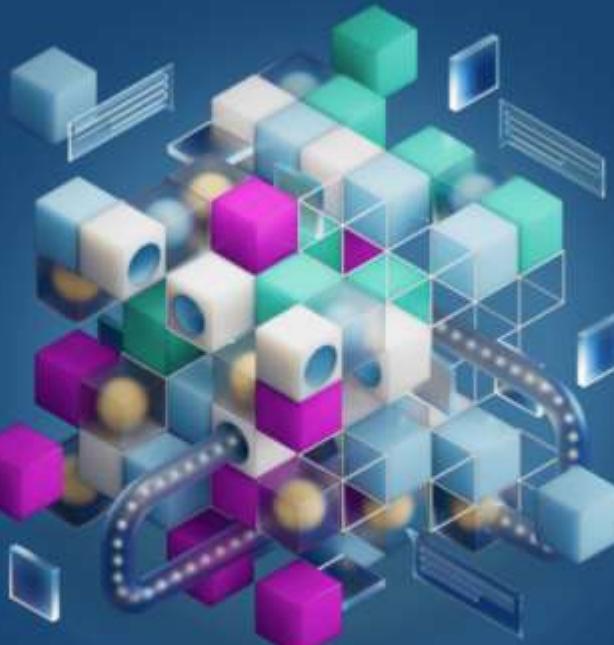
3. Large language models

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

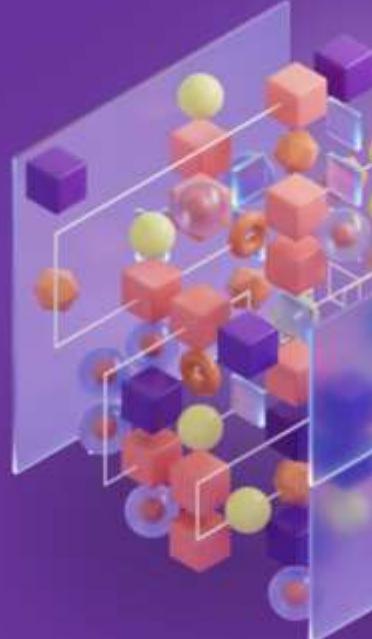
by Susanna Ray

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.

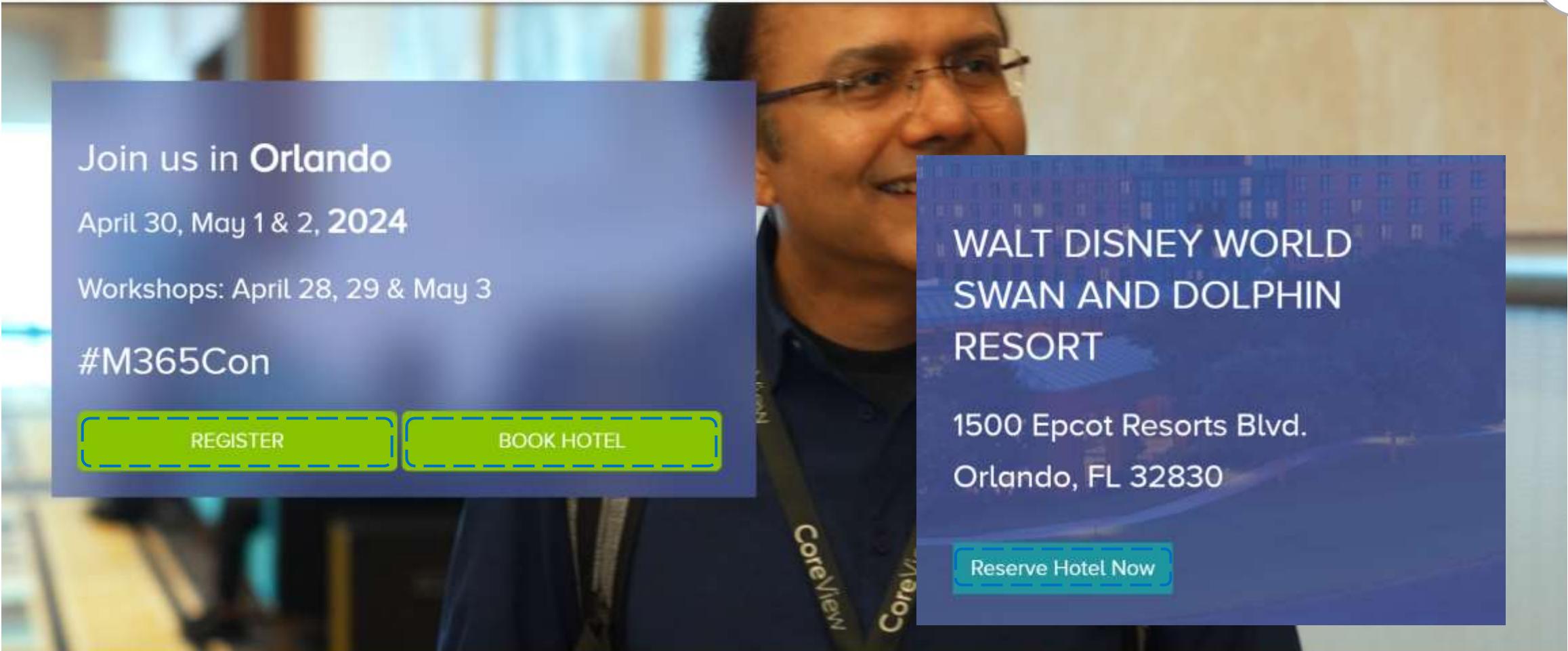


Retrieval Augmented Generation (RAG)

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



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In Seattle and online: May 21–23, 2024

Save the date

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

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This year's themes



AI

A new frontier in developer creativity.



Security

Proactive security, powered by AI.



DevEx

Welcome to your flow state.

Watch on demand

UNI

2024 Ticket Presale

Universe 2024,
coming right up.

October 29-30, 2024 - Fort Mason, San Francisco

Registration opens soon! Be the first to know by signing up for our email list.

23





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

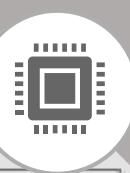
Our biggest event of the year is getting even bigger. Join us in Chicago to expand your AI knowledge, create connections, and more—mark your calendar.

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Updates of Security and Compliance



Monitoring Global Threats: Microsoft :: Threat Intelligence Blog



Microsoft Security Response Center

Select a region ▾

Global threat activity

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

Most affected industries

Reported enterprise malware encounters in the last 30 days

Telecommunications

Show affiliations >

Devices with encounters:

180,901 (2.26%)

telecommunications

Worldwide

80,182,313 devices with encounters

Top threats:

PUA:Win32/Softcnapp

Trojan:Win32/Wacatac.B!ml

Research Cloud security Microsoft Defender for Cloud Cloud threats

Apr 17 · 4 min read

Attackers exploiting new critical OpenMetadata vulnerabilities on Kubernetes clusters >

Microsoft recently uncovered an attack that exploits new critical vulnerabilities in OpenMetadata to gain access to Kubernetes workloads and leverage them for cryptomining activity.

Research Threat intelligence Microsoft Defender Vulnerabilities and exploits · May 1 · 15 min read

"Dirty stream" attack: Discovering and mitigating a common vulnerability pattern in Android apps >

Microsoft discovered a vulnerability pattern in multiple popular Android applications that could enable a malicious application to overwrite files in the vulnerable application's internal data storage directory, which could lead to arbitrary code execution and token theft, among other impacts.

Research Cloud security Microsoft Defender for Cloud Cloud threats Apr 17 · 4 min read

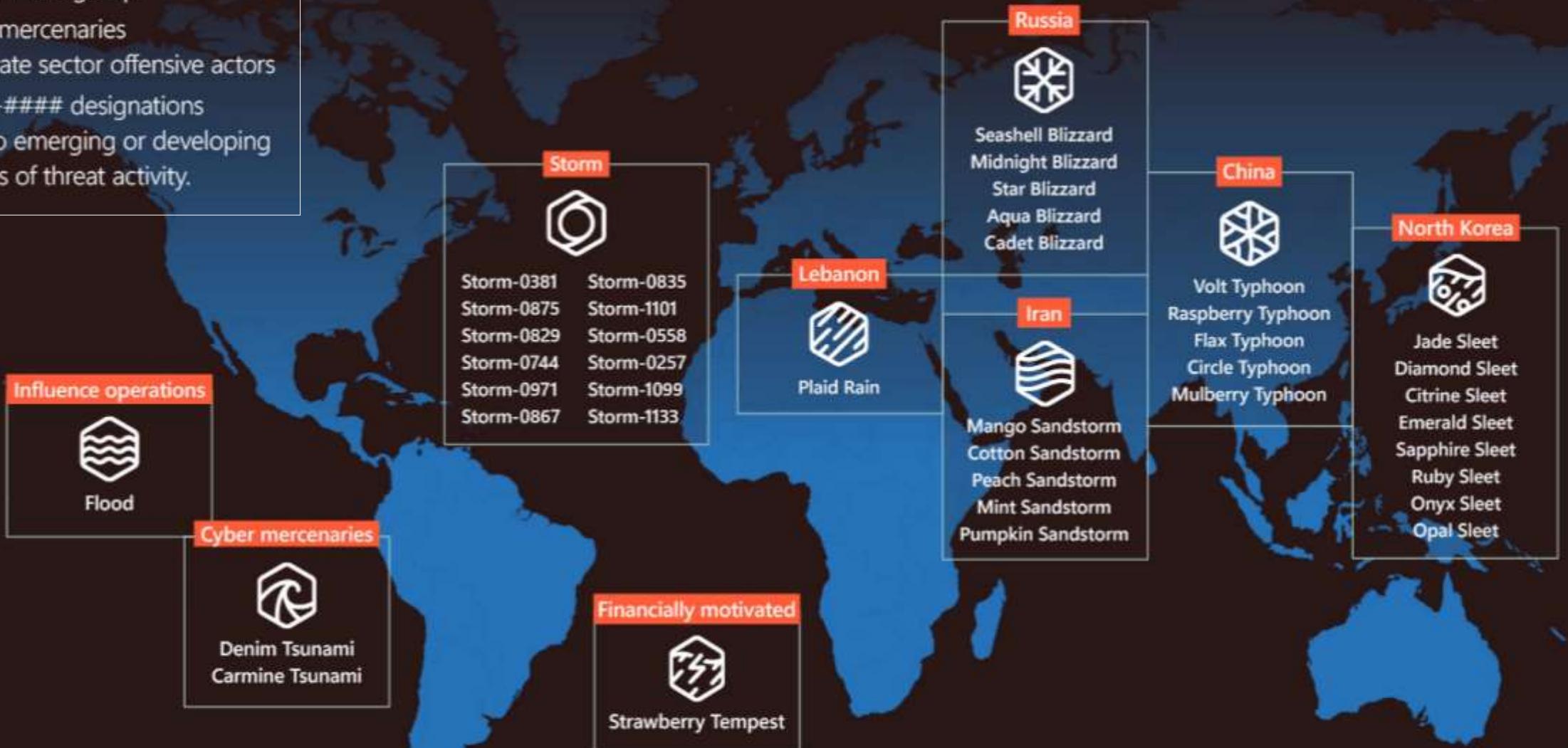
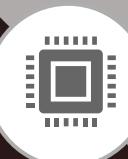
Attackers exploiting new critical OpenMetadata vulnerabilities on Kubernetes clusters >

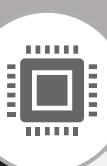
Microsoft recently uncovered an attack that exploits new critical vulnerabilities in OpenMetadata to gain access to Kubernetes workloads and leverage them for cryptomining activity.

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





News · May 3 · 7 min read

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.

News Zero Trust Microsoft Entra · Apr 16 · 7 min read

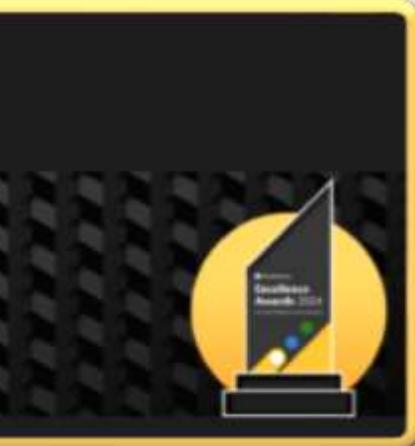
New Microsoft guidance for the DoD Zero Trust Strategy >

We are excited to announce new Zero Trust activity-level guidance for implementing the Department of Defense Zero Trust Strategy with Microsoft cloud services.

Events MISA Microsoft Entra · May 7 · 5 min read

Microsoft announces the 2024 Microsoft Security Excellence Awards winners >

At this year's Microsoft Security Excellence Awards, we took a journey through the evolution of cybersecurity from the 1950s to today. While this event theme celebrated the significant technological advancements that have shaped each decade, the main focus was on the Microsoft Intelligent Security Association (MISA) member finalists and winners whose innovations in cybersecurity have earned them well-deserved recognition.



News Identity and access management Microsoft Entra · May 2 · 6 min read

Microsoft introduces passkeys for consumer accounts >

The best part about passkeys is that you'll never need to worry about creating, forgetting, or resetting passwords ever again. Read about Microsoft's new passkey support for consumer accounts.

Best practices Incident response Microsoft Incident Response ·

Apr 23 · 4 min read

New Microsoft Incident Response guide helps simplify cyberthreat investigations >

Discover how to fortify your organization's cybersecurity defense with this practical guide on digital forensics from Microsoft's Incident Response team.

News IoT security Microsoft Defender for IoT · Apr 25 · <1 minute read

Investigating industrial control systems using Microsoft's ICSpector open-source framework >

Microsoft released ICSpector as an open-source framework to help organizations secure their industrial control systems. Read our blog post for details on how it works and why this solution is so critical given modern cybersecurity threats.

Introducing a new Copilot key

We're kicking off 'the year of the AI PC' with a historic change to the keyboard

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What's new in Copilot

Your monthly blog for all things Copilot for Microsoft 365



What's New in Copilot | April 2024

TJ Devine on Apr 30 2024 08:30 AM

Welcome to the April 2024 edition of What's New in Copilot for Microsoft 365!

Microsoft Copilot Dashboard now generally available

Microsoft Copilot Dashboard is now generally available to help you track adoption and impact measurement of Copilot within your organization.

Microsoft 365 update information

AI Announcements



AI + Machine Learning, Announcements, Azure AI, Azure AI Studio

Introducing Phi-3: Redefining what's possible with SLMs

By Misha Bilenko, Corporate Vice President, Microsoft GenAI

We are excited to introduce Phi-3, a family of open AI models developed by Microsoft. Phi-3 models are the **most capable and cost-effective small language models (SLMs)** available, outperforming models of the same size and next size up across a variety of language, reasoning, coding, and math benchmarks. This release expands the selection of high-quality models for customers, offering more practical choices as they compose and build generative AI applications.

Starting today, Phi-3-mini, a 3.8B language model is available on [Microsoft Azure AI Studio](#), [Hugging Face](#), and [Ollama](#).

News Microsoft 365 Enterprise - Published May 8, 2024 · 5 min read

Microsoft and LinkedIn release the 2024 Work Trend Index on the state of AI at work >

For our fourth annual Work Trend Index, out today, we partnered with LinkedIn for the first time on a joint report so we could provide a comprehensive view of how AI is not only reshaping work, but the labor market more broadly.

AI

May 6, 2024

7 takeaways from a year of building generative AI responsibly and at scale

By Sally Boulaye

- #1: Make responsible AI a foundation, not an afterthought
- #2: Be ready to evolve and move quickly
- #3: Centralize to get to scale faster
- #4: Tell people where things come from
- #5: Put RAI tools in the hands of customers
- #6: Expect people to break things
- #7: Help inform users about the limits of AI



News Microsoft 365 Enterprise - Published May 8, 2024 · 5 min read

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Apr 24, 2024 | [Judson Althoff - Executive Vice President and Chief Commercial Officer](#)

Leading in the era of AI: How Microsoft's platform differentiation and Copilot empowerment are driving AI Transformation >





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



Microsoft Copilot Studio

Customize Microsoft Copilot for Microsoft 365 or build your own copilot experiences.



Customize Copilot for Microsoft 365

Enable greater control and efficiency by authoring responses to predictable scenarios within Copilot for Microsoft 365.



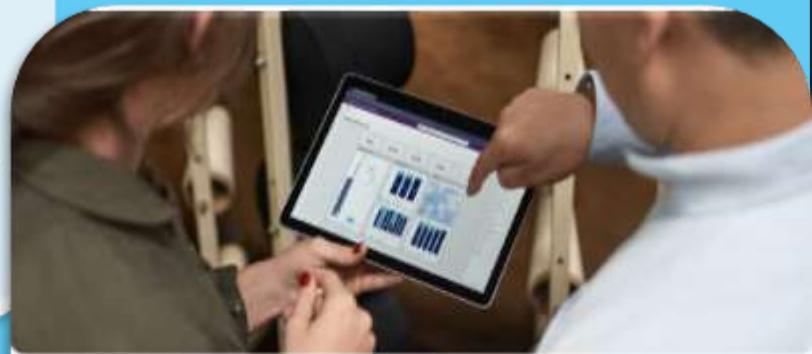
Create custom copilots

Incorporate your data and plugins for engaging interactions in the places that matter the most.



Use one connected platform

Copilot Studio is built on the foundations of leading conversational AI technologies including Power Virtual Agents, and is interoperable with Azure AI Studio and more.



Documentation

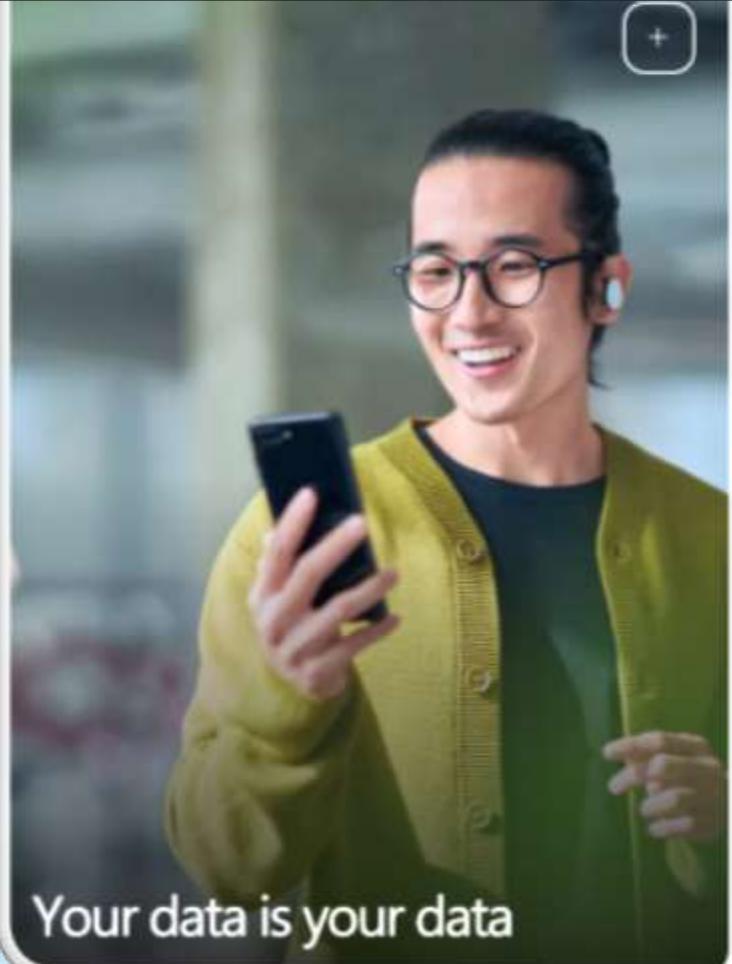
See how to get started using Microsoft Copilot Studio in your organization.

Microsoft AI runs on Trust

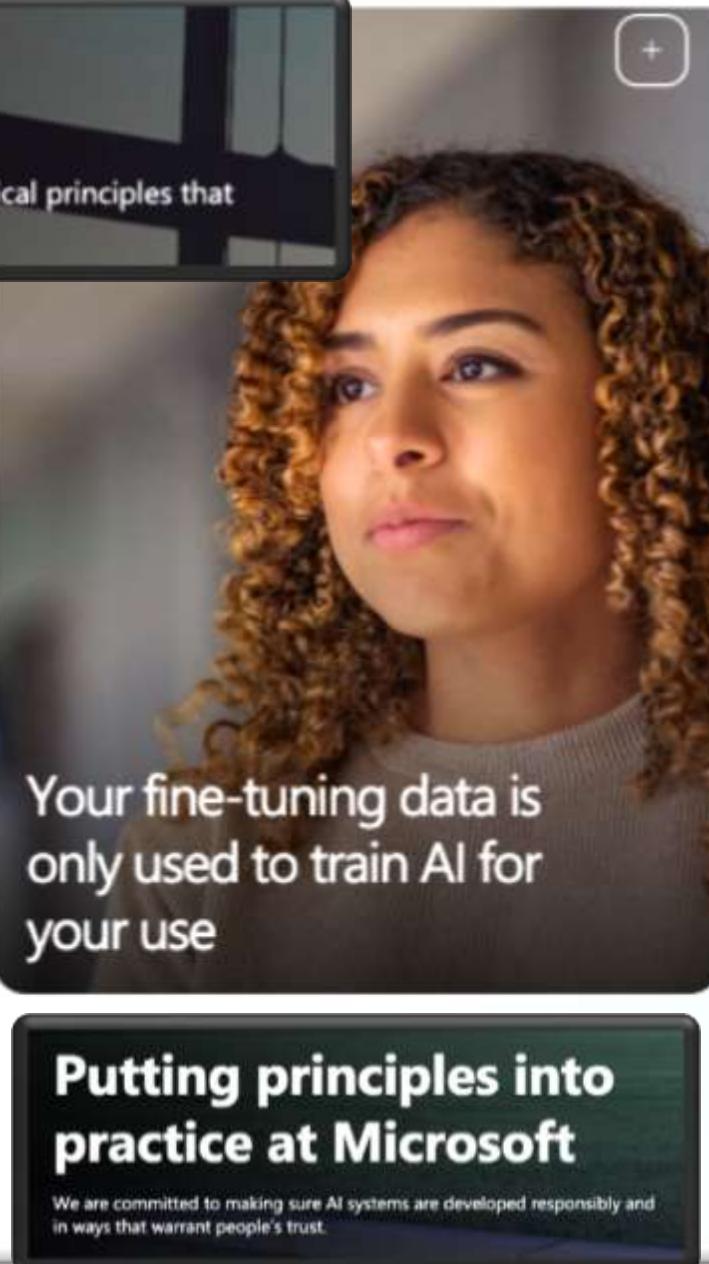


Responsible AI

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



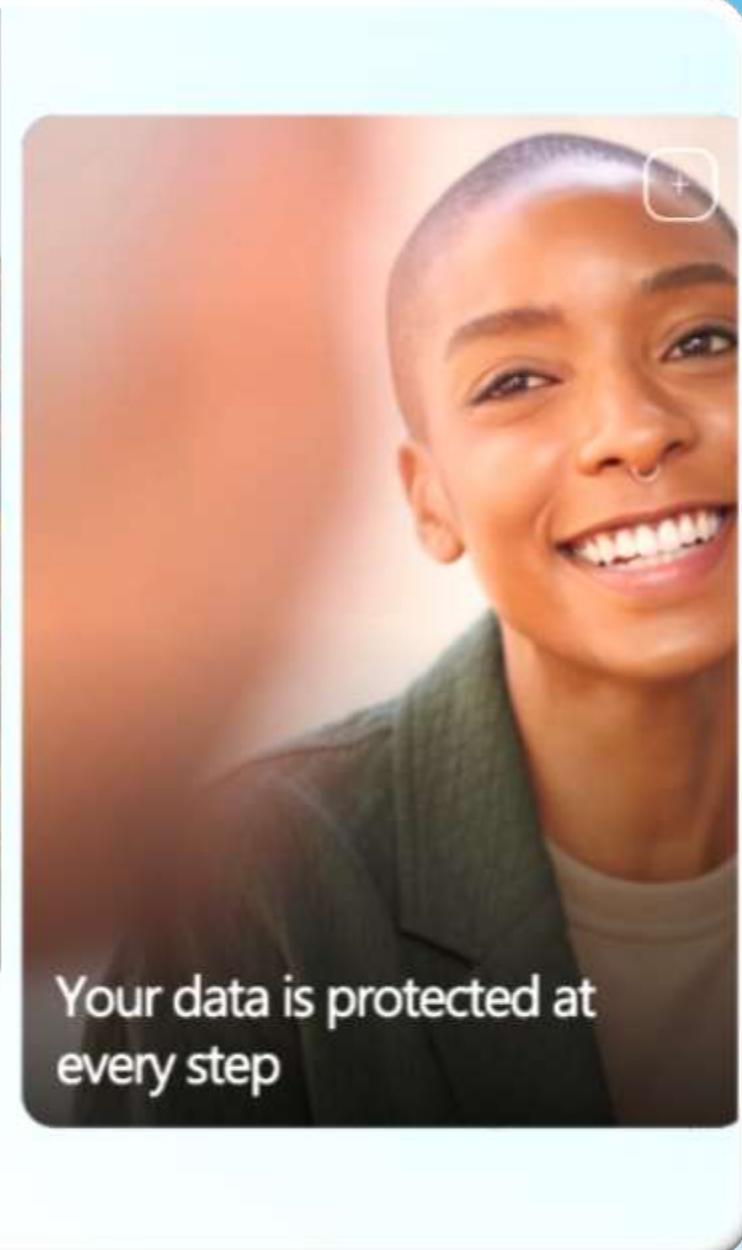
Your data is your data



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

- ❖ [Microsoft Office LTSC 2024](#) :: Preview
- ❖ [Platform SSO for MacOS](#) :: Public Preview
- ❖ [Tenant Health Transparency and Observability](#) :: Public Preview
- ❖ [Entra External ID and External Authentication](#)
- ❖ [Windows IT Pro Blog](#)
- ❖ [Microsoft Entra \(Azure AD+\)](#) Blog
- ❖ [Microsoft OneDrive](#) Blog
- ❖ [Microsoft SharePoint](#) Blog
- ❖ [M365 Technical Documentation](#)



Multi-tenant organization capabilities now available in...

[James_Bell](#) on Apr 25 2024 09:00 AM

Learn about multi-tenant capabilities for Microsoft 365 that enhance collaboration, communication, and administration.

Microsoft at the European Collaboration Summit (ECS) 2024...

[Mark_Kashman](#) on Apr 17 2024 08:44 AM

Join Microsoft and community experts in-person, in one place. The European Collab Summit and European Cloud Summit are c...

Microsoft OneNote now available on Apple Vision Pro

[GregMacEachern](#) on Apr 16 2024 02:30 PM

Announcing the availability of Microsoft OneNote on the Apple Vision Pro.

New developments in Microsoft Entra ID Protection

[Alex_Weinert](#) on May 09 2024 09:00 AM

Learn more about managed policies, new detections, and more!

New languages supported in Copilot for Microsoft 365

[TJ_Devine](#) on Apr 29 2024 09:00 AM

Today we are rolling out support for Copilot for Microsoft 365 in an additional 16 languages

Collaborate across M365 tenants with Entra ID multi-tenant...

[Joseph_Dadzie](#) on Apr 25 2024 09:00 AM

Boost your M365 multi-tenant productivity in Microsoft Teams and Viva Engage, while staying secure and compliant.

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: Track usage of your frontline teams and apps in the Teams Admin Center	Rollout Start: May 2024
➤ Microsoft Teams: Optimize for Video setting for screensharing	Rollout Start: May 2024
➤ Microsoft Teams: Save meeting content with collaborative annotations as a Whiteboard	Rollout Start: May 2024
➤ Microsoft Teams: Click Through Collaborative Annotations Layer	Rollout Start: May 2024
➤ Microsoft Teams: Change background while recording on phone	Rollout Start: May 2024
➤ Microsoft Teams: Copilot in Teams meetings now available on mobile after the meeting	Rollout Start: May 2024
➤ Microsoft Viva: Manage spotlight settings in Viva Connections	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: Prevent user from sharing content in externally hosted meetings (Premium)	Rollout Start: May 2024
Outlook: New "Categorized email" and "Mail from specific people" search folders will be supported in the new Outlook for Windows and web	Rollout Start: May 2024
Microsoft Teams: Redirect incoming call directly to voicemail from incoming call notification	Rollout Start: May 2024
Microsoft Teams: Walkie Talkie – Integrating Apple's Push to Talk framework on iOS	Rollout Start: May 2024
Microsoft Teams: Enabling call forwarding directly from phone device home screen through Teams admin center	Rollout Start: May 2024
Microsoft Viva: Files Card on Viva Connections	Rollout Start: May 2024
Microsoft Purview compliance portal: eDiscovery Premium-Enhancements to eDiscovery experience for Microsoft Forms content	Preview Available: December 2023 Rollout Start: May 2024
Planner: Increased number of tasks per premium plan in Microsoft Planner	Rollout Start: May 2024
Microsoft Purview compliance portal: Communication Compliance-Ability to create custom tags in Communication Compliance policies	Rollout Start: April 2024



Microsoft Teams Blog:

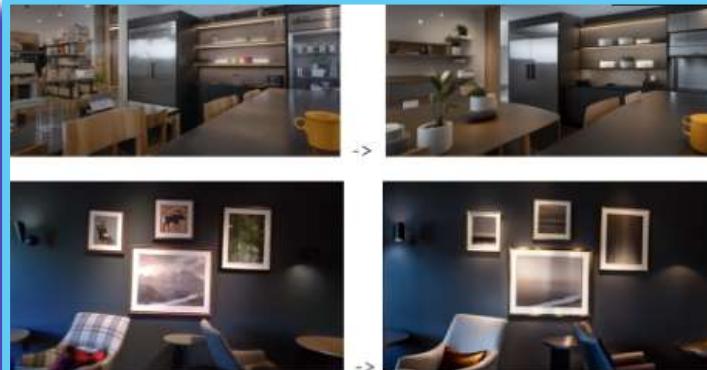


What's New in Microsoft Teams | April 2024

What's New in Microsoft Teams | April 2024

Pete_Daderko on Apr 30 2024 08:00 AM

If you're looking for ways to boost your productivity with Microsoft Teams, you're in the right place. In this blog post...



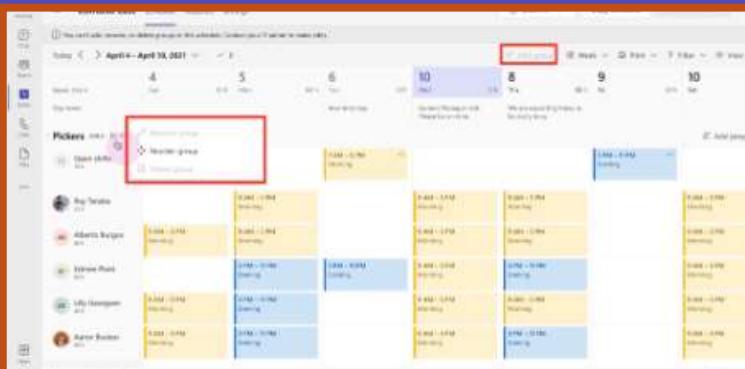
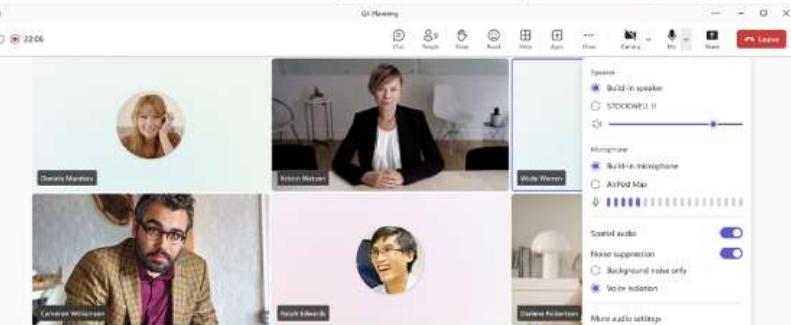
Decorate your background – How generative AI backgrounds...

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...

Voice isolation

Voice isolation enables clear and seamless calls or meetings, wherever users are. This feature uses AI to eliminate all background noise, including other people's voices. By using a voice profile, this advanced noise reduction capability makes sure only the user's voice is heard. Whether you are in a busy office, a noisy cafe, or a crowded airport, you can communicate with confidence and clarity. Learn more about [voice isolation](#).



Deploy and manage Shifts to your Frontline teams in Teams...

Ines_Gil on May 09 2024 08:00 AM

Schedule and shift management are a foundational driver of productivity for frontline workforces. Shifts app offers a si...



Teams Phone now connects
over 20 million PSTN users

Discover why over 20 million PSTN users trust
Microsoft...

DanielaChocron on Apr 29 2024 08:00 AM

Good things happen when you integrate smart, reliable calling into
the flow of work. The flexible and intelligent capabi...



Prompt Like a Pro: Get to decisions faster in Teams meetings with Microsoft Copilot

Prompt Like a Pro: Get to decisions faster in Teams...

Ivaladares on Apr 25 2024 08:00 AM

In this new normal of more flexible work, decision-making can be a
much more complex and time-consuming process. With Mi...



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

[What's New from Viva People Science: Beyond Engagement -...](#)

craigramsay on Apr 30 2024 09:00 AM

Engaged employees are also productive, right? Viva People Scientist, Craig Ramsay, explains the team's latest research o...

[Think like a People Scientist: Influencing action without...](#)

Avneeta Solanki on Apr 26 2024 12:56 PM

On April 23rd, the Viva People Science team hosted the third webinar in the 'Think like a People Scientist' series. The

[The Viva Guide to the Microsoft 365 Community Conference](#)

Michael Holste on Apr 23 2024 11:29 AM

Join Microsoft and community experts in-person, in one place, at the Microsoft 365 Community Conference in Orlando, FL, ...

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

This blog post will delve into the significance of fostering empl...

[AI: A game-changer for the employee experience](#)

Avneeta Solanki on Apr 22 2024 10:29 AM

Watch the recording of the AI empowerment: The game-changer for the employee experience event led by Alexia Cambon (Seni...

[What's new in Viva Insights - April 2024](#)

New features include a way to "delegate" insights, an updated ana...

[Copilot in Viva Engage is now generally available](#)

kristikelly in [Viva Engage Blog](#) Apr 29 2024 09:00 AM

Copilot in Viva Engage is activating worldwide for Viva Engage users who have a premium li...

[May 4, 2024 Viva Glint release update](#)

JudyWeiner1 in [Viva Glint Blog](#) Apr 30 2024 07:27 AM

Welcome to the Viva Glint newsletter. Our recurring communications help you get the most o...

Microsoft Power Platform :: Power Platform Blog



Apr 18 • 5 min read

How Microsoft Power Platform is driving real-world impact—March customer success stories >

From groundbreaking applications to significant outcomes, our customer stories vividly illustrate the tangible impact of our technology. We're thrilled to showcase some of these inspiring stories that demonstrate our products' effectiveness and hope to inspire you to create your next transformative solution.

Announcing General Availability of Customer Managed Keys for new environments in Power Automate

Sachin Mathur, Tuesday, April 30, 2024

Following the successful launch of the Public Preview of Customer Managed encryption keys for Power Automate, we are excited to announce general availability for this capability. With this capability, customers can bring their own encryption keys to secure their Power Automate data at rest.

Announcing live connect for Power BI report integration with OneDrive and SharePoint (Preview)

Power BI

May 7, 2024 by Anita Ambalavanan

Last May, we announced the integration between Power BI and OneDrive and SharePoint (ODSP) that allows you to view Power BI reports directly in a OneDrive or SharePoint document library. Previously, this capability was limited only to reports with data in import mode. We're excited to announce that you can now view Power BI reports in ODSP with data live connected to a semantic model in the service!

Transforming digital processes with AI: A Power Automate Process Mining Case Study at Microsoft Customer and Partner Solutions (MCAPS)

Anil Chaudhry, Principal Group Product Manager, Process Insights, Thursday, April 18, 2024

How can businesses streamline their processes and optimize their performance with process mining? Microsoft Customer and Partner Solutions organization has been using Power Automate Process Mining with Copilot to analyze, improve, and monitor their sales processes. The results have been impressive for their marketing demand generation process. Read on to learn how they did it, and how you can benefit from Power Automate Process Mining too.

Introducing Power Pages Site Copilot integration with Omnichannel for Dynamics 365 Customer Service

Nagesh Bhat, Senior Program Manager, Friday, April 26, 2024

We are excited to announce Power Pages site copilot with Dynamics 365 Omni-channel, that enables seamless escalation to live agent.

Power Pages Maker Copilot is now generally available

Meera Mahabala, Thursday, May 2, 2024

Power Pages Maker Copilot is now generally available. Power Pages Maker Copilot enables you to design and build a complete site composed of sitemap, home page, pages, sections, forms, images and text with natural language instructions. The Maker Copilot is also available in all geos except Canada.

Announcing General Availability of Power Apps maker welcome content

Hazim SharafelDin, Wednesday, May 8, 2024

We are pleased to announce the General Availability of the Power Apps maker welcome content feature, which allows Power Platform admins to customize the welcome message that makers see when they sign in to the maker portal. The feature can be used to provide makers with important information, resources, and updates on Power Platform.

Visit our product blogs

Power BI

Power Automate

Power Virtual Agents

Power Apps

Power Pages

Introducing Power Pages Site Copilot integration with Omnichannel for Dynamics 365 Customer Service

Nagesh Bhat, Senior Program Manager, Friday, April 26, 2024

We are excited to announce Power Pages site copilot with Dynamics 365 Omni-channel, that enables seamless escalation to live agent.

Apr 10 • 5 min read

2024 release wave 1 kicks off with hundreds of AI-powered capabilities for Microsoft Dynamics 365 and Microsoft Power Platform >

We launched the 2024 release wave 1 for Microsoft Dynamics 365 and Microsoft Power Platform, a rollout of new features and enhanced capabilities slated for release between April and September 2024.

Power Platform and Dynamics

Roadmaps and Release plans:



IT Professionals News and product updates

Dynamics 365 Supply Chain Management

• Apr 30 • 4 min read

Introducing Tracked components for Dynamics 365 Supply Chain Management >

We're thrilled to unveil the public preview of our latest feature, Tracked Components, as part of our manufacturing capabilities in Dynamics 365 Supply Chain Management. This feature, released in version 10.0.40 on April 26 2024, streamlines the process of registering batch and serial numbers for components used in manufacturing processes, seamlessly matching them to the batch and serial numbers for the finished products being produced. Enhanced track and trace capabilities in manufacturing offer a compelling value proposition. They provide real-time visibility into the supply chain, ensuring quality control, regulatory compliance, risk mitigation, enhanced productivity, and improved customer satisfaction. These systems empower manufacturers to optimize operations, reduce errors, and base decisions on data, ultimately leading to increased efficiency and superior products.



Start approval when a new item is added

By Microsoft Power Automate Community

Automated
Q 515566

IT Professionals · Apr 10 · 2 min read

Monitor Copilot responses in Dynamics 365 Customer Service >

You can use the underlying agent experience data that powers the Copilot dashboard to get interaction data such as transcripts, agent actions, and agent feedback about Copilot responses.

Business Decision Makers

News and product updates

Dynamics 365 Customer Insights

• Apr 18 • 7 min read

2024 release wave 1: Transforming experiences with Microsoft Copilot and Dynamics 365 >

In this extraordinary age of AI, we find ourselves on the brink of a profound revolution. Companies are looking for generative AI to solve longstanding problems around customer connection, loyalty, and seller productivity.

Business Decision Makers

News and product updates

Dynamics 365 Field Service

• May 2 • 5 min read

Enabling fast, flexible, cost-effective service with Microsoft Copilot in Dynamics 365 Field Service >

Fast, efficient service. it's what everybody wants. And today's field service organizations are answering the call by adopting next-generation AI technologies that can help them be more flexible and responsive to customers while also driving revenue, reducing overtime, and ensuring more predictable arrival and completion times.

Business Decision Makers Events

Dynamics 365 Field Service

• Apr 17 • 3 min read

Microsoft unveils AI features for manufacturers at Hannover Messe 2024 >

At Hannover Messe, the world's leading industrial trade fair, organizations across engineering, digital technologies, energy, and more will gather to demonstrate solutions for high-performance, sustainable industries. Microsoft is honored to attend this year's event to showcase how Microsoft Dynamics 365 helps manufacturers.



Send an email to responder when response submitted in Microsoft Forms

By Microsoft Power Automate Community

Automated
408171



Save Office 365 email attachments to specified OneDrive for Business folder

By Microsoft Power Automate Community

Automated
245326



Request manager approval for a selected file

By Microsoft

Instant

Q 213775

Developer and GitHub

GitHub Blog and Changelog

- Introducing Enhanced Code Review on GitHub Mobile
- dependabot-core is now open source with an MIT license
- Security alerts tool trends on the security overview dashboard
- Secret scanning push protection for file uploads
- Code Scanning will stop combining runs from a single upload
- Guest Collaborators for enterprise managed users :: Generally Available
- Artifact Attestations :: Public Beta
- New and updated audit log events for secret scanning non-provider patterns
- GitHub Apps can now use the client ID to fetch installation tokens
- Audit Log Streaming Health Check :: Generally Available



Microsoft Developer Blogs:

- Customer Case Study: Cognizant & Microsoft Collaborate to Power Healthcare with Generative AI
- New capabilities for Microsoft Graph APIs for Teams meetings with external attendees
- Announcing NuGet Commands in C# Dev Kit
- Copy-on-Write performance and debugging
- Curating a collection of free Microsoft Copilot prompts
- How to Get Started using Semantic Kernel .NET
- Join the .NET Team at Microsoft Build 2024!
- Building your C++ Code with CMake in VS Code

5 tips to supercharge your developer career in 2024

From mastering prompt engineering to leveraging AI for code security, here's how you can excel in today's competitive job market.

Jemy Ruiz May 1, 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

GitHub Copilot Chat in GitHub Mobile is now generally available

With GitHub Copilot Chat in GitHub Mobile, developers can collaborate, ask coding questions, and gain insights into both public and private repositories anywhere, anytime—all in natural language for users on all GitHub Copilot plans.

Mario Rodriguez May 7, 2024

GitHub Copilot Workspace: Welcome to the Copilot-native developer environment

We're redefining the developer environment with GitHub Copilot Workspace – where any developer can go from idea, to code, to software all in natural language.

Thomas Dohmke April 29, 2024

Securing millions of developers through 2FA

We've dramatically increased 2FA adoption on GitHub as part of our responsibility to make the software ecosystem more secure. Read on to learn how we secured millions of developers and why we're urging more organizations to join us in these efforts.

Mike Hanley April 24, 2024

Research: Quantifying GitHub Copilot's impact in the enterprise with Accenture

We conducted research with developers at Accenture to understand GitHub Copilot's real-world impact in enterprise organizations.

Ya Gao & GitHub Customer Research May 13, 2024

GitHub Actions, Arm64, and the future of automotive software development

Learn how GitHub's Enterprise Cloud, GitHub Actions, and Arm's latest Automotive Enhanced processors, work together to usher in a new era of efficient, scalable, and flexible automotive software creation.

Clay Nelson April 26, 2024

CodeQL zero to hero part 3: Security research with CodeQL

Learn how to use CodeQL for security research and improve your security research workflow.

Sylwia Budzynska April 29, 2024



Office Developer Blogs and Microsoft 365 Dev Center



Microsoft

New capabilities for Microsoft Graph APIs for Teams meetings with external attendees

Microsoft Graph

New capabilities for Microsoft Graph APIs for Teams meetings with external attendees

May 17, 2024

BO Benjamin Olson

Learn more about Microsoft Graph SMS notification and reminder APIs, now generally available.

Microsoft

Now available Device Permission Prompt API for Office Add-ins on the web

Microsoft

Device Permission Prompt API available for Office Add-ins on the web

May 16, 2024

Ester Bergen

Microsoft now requires Office Add-in developers to prompt users for permission to access their device capabilities. To do this, you can now implement the Device Permission API.

Microsoft

Announcing backward compatibility with Microsoft Graph PowerShell v2.19

Microsoft

Announcing backward compatibility with Microsoft Graph PowerShell v2.19

May 15, 2024

Carol Mbasinge Kigoonya

This release introduces backward compatibility support to address the issues some of our users encountered with versions 2.17 and 2.18.

Microsoft

New Curating a collection of free Microsoft Copilot prompts

Microsoft

Curating a collection of free Microsoft Copilot prompts

May 14, 2024

Rabia Williams

Announcing a new community-led repository: a collection of prompts to help you harness the power of Microsoft Copilot across Microsoft 365.

Microsoft

Now available Direct streaming of SharePoint Driveitem content in Microsoft Graph

Microsoft

Direct streaming of SharePoint Driveitem content in Microsoft Graph now available

May 10, 2024

SS Sanjukta Sen

You can now directly download content of a file (of a Driveitem) in a SharePoint Online site through a single call.

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

- Fluid Framework: Undo/redo and transactions in SharedTree
- Roadmap to empowering your workforce with AI: How Moody's copilot ignited AI innovation
- Announcing Fluid Framework 2.0 Preview
- Microsoft Graph API for SharePoint Pages is now generally available
- Expand your app's capabilities and reach on Microsoft Teams using API-based message extensions
- Building custom copilots in Microsoft Teams with Teams App Test Tool and Dev Proxy

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 >](#)



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 APIs and SDKs.

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

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



New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



[Healthcare](#) • Apr 25 • <1 min read

Generative AI and the path to personalized medicine with Microsoft Azure >

In the rapidly evolving landscape of healthcare, the integration of artificial intelligence (AI) isn't a futuristic vision: It's a present reality. Azure OpenAI Service is transforming the way care is delivered and experienced by patients and providers alike. As healthcare providers and tech companies collaborate to harness the power of generative AI, they pave the way for more efficient, accessible, and personalized healthcare solutions that promise to redefine patient care for the better.



[Energy and resources](#) • Apr 30 •

6 min read

From pledge to action: Enabling the multidimensional energy transition with data and AI >

At Microsoft, our mission to empower every individual and organization on the planet is complemented by our sustainability commitments, aiming for carbon-free energy by 2030 and neutralizing all historical emissions produced since our company's inception in 1975.

May 13, 2024 • 5 min read

Microsoft experience at Hannover Messe 2024: Accelerating industrial transformation with AI >

With nearly 130,000 global business and government leaders in attendance, Hannover Messe is the event to showcase innovation in the manufacturing industry. This year, together with our partners and customers, Microsoft showcased how our technology is enabling manufacturers to "Accelerate Industrial Transformation with AI."

Apr 24 • 5 min read

Streamline controls with Microsoft Cloud for Sovereignty >

In today's complex global environment, public sector organizations are seeking to modernize their operations by tapping into the power of the hyperscale public cloud and cutting-edge technologies.

May 1 • 5 min read

How Microsoft Copilot for Microsoft 365 is redefining insurance, one role at a time >

On the one hand, insurers operate in a world of exacting processes, strict compliance, and regulatory considerations. On the other hand, competitiveness demands greater efficiencies, faster speed to market, and improved customer service. Copilot for Microsoft 365 addresses both dimensions.





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.

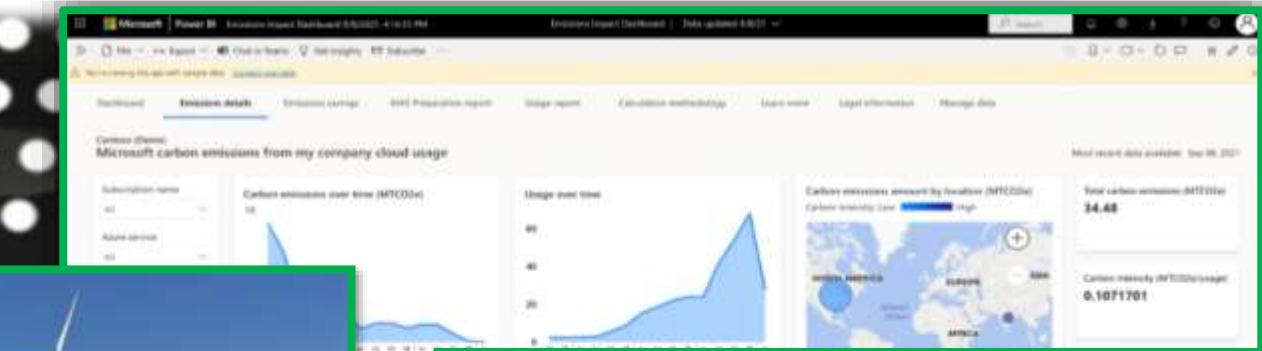
[Get started >](#)

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 • 2 min read

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

[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.



What's new in Azure Data, AI, and Digital Applications: Harness the power of intelligent apps >

By [Jessica Hawk](#), Corporate Vice President, Data, AI, and Digital Applications, Product Marketing

Sharing insights on technology transformation along with important updates and resources about the data, AI, and digital application solutions that make Microsoft Azure the platform for the era of AI.

AI + Machine Learning, Announcements, Azure Firewall, Events, Microsoft Azure portal, Web Application Firewall

Published May 7, 2024 • 5 min read

Bringing generative AI to Azure network security with new Microsoft Copilot integrations >

By [Narayan Annamalai](#), Partner Program Manager

We are excited to announce the Azure Web Application Firewall and Azure Firewall integrations in Microsoft Copilot for Security. This is the first step we are taking toward bringing interactive, generative AI-powered capabilities to Azure network security.

AI + Machine Learning, Announcements, Azure AI, Azure AI Studio Published April 23, 2024

Introducing Phi-3: Redefining what's possible with SLMs >

By [Misha Bilenko](#), Corporate Vice President, Microsoft GenAI

We are excited to introduce Phi-3, a family of small open models with the capability of 10 times larger models, developed by Microsoft and optimized for Azure AI.

Machine Learning, Azure Operator Nexus, Industry trends, Microsoft Azure portal, Networking

Published May 1, 2024 • 6 min read

Microsoft RAN slicing solutions: Discover AI-assisted application service assurance capabilities >

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

RAN slicing is one of the important new features of 5G networks and Microsoft has researched and produced results, making it easier for operators to use in Azure.

AI + Machine Learning, Events, Partners

Published May 14, 2024 • 4 min read

Accelerate AI innovation with the Microsoft commercial marketplace >

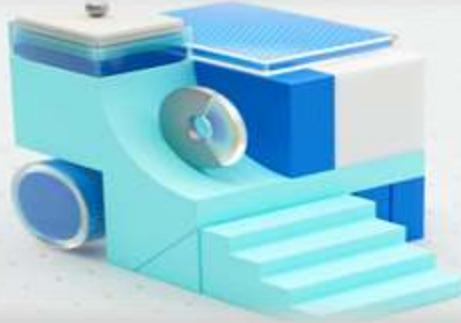
By [Anthony Joseph](#), Vice President, Microsoft Commercial Marketplace and ISV Journey

With Microsoft Build 2024 right around the corner, I am excited to share how the Microsoft commercial marketplace is extending innovation. As we enter the era of AI, I'm seeing developers utilize the marketplace to use cutting-edge AI tools that accelerate adoption of next-gen solutions for their organizations.

Updates & Announcements

- ❖ support on Apple Silicon Macs :: Generally Available
- ❖ [Introducing the VMware Rapid Migration Plan](#)
- ❖ [AI-powered dialogues: Global telecommunications with Azure OpenAI Service](#)
- ❖ [Generative AI and the path to personalized medicine with Microsoft Azure](#)
- ❖ [Microsoft Entra resilience update: Workload identity authentication](#)
- ❖ [AI study guide: The no-cost tools from Microsoft to jump start your generative AI journey](#)
- ❖ [App Service Environment version 1 and version 2 will be retired on 31 August 2024](#)
- ❖ [Data API builder :: Generally Available](#)
- ❖ [Sensitive data protection for Azure Front Door Web Application Firewall :: Public Preview](#)
- ❖ [Ubuntu 24.04 LTS for Azure Virtual Machines :: Generally Available](#)
- ❖ [GPT-4 Turbo with Vision on Azure OpenAI Service :: Generally Available](#)
- ❖ [Support for disabling Windows outboundNAT in AKS](#)
- ❖ [Standby pools for Virtual Machine Scale Sets with flexible orchestration :: Public Preview](#)
- ❖ [Azure Storage Actions is now available in 14 more regions](#)
- ❖ [Azure API Center :: Generally Available](#)
- ❖ [Azure Virtual Network Manager user-defined route \(UDR\) management :: Public Preview](#)
- ❖ [Azure Chaos Studio supports Resource tags](#)
- ❖ [Azure Dedicated Host – Redeploy :: Public Preview](#)
- ❖ [Application Gateway Web Application Firewall \(WAF\) inspection limit & size enforcement :: Generally Available](#)

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

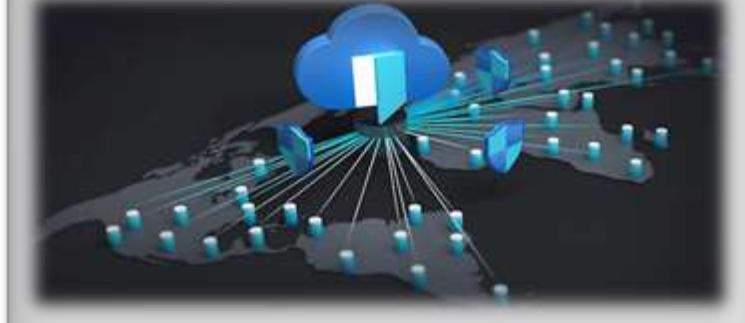


Azure Trusted Signing

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.



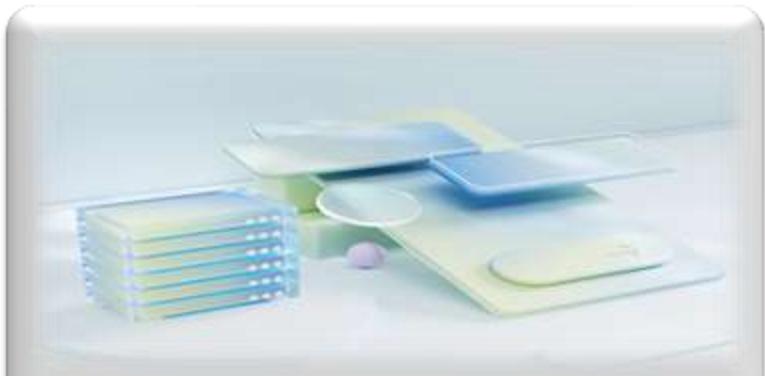
Azure Programmable Connectivity :: Preview

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 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 Operator Call Protection :: Preview

Help protect consumers from potential fraud and phone scams with intelligent AI solutions

Azure Operator Call Protection

- ❖ Assess the legitimacy of live voice calls across your entire network with AI analysis.
- ❖ Provide consumer protection from phone scams across all physical devices—mobile or landline—connected to your network.
- ❖ Simplify Subscriber Activation
- ❖ Preserve consumers' privacy with an AI-analysis service that [doesn't retain voice call content](#).
- ❖ Detect potential scam calls or fraudulent activity in real time with AI-based call analysis.
- ❖ Empower consumers to act upon a fraudulent call with real-time threat detection, alerts, and mitigation actions.
- ❖ Insights with Scam alert summaries that help subscribers learn what to look for in the future

Azure Services Directory



Azure AI

Drive business results and improve customer experiences with AI solutions

Azure AI

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



Azure Cognitive Services

Add cognitive capabilities to apps with APIs and AI services

Azure Cognitive Services

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



Azure OpenAI Service

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

Azure OpenAI Service : Updates

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

Azure Services Directory

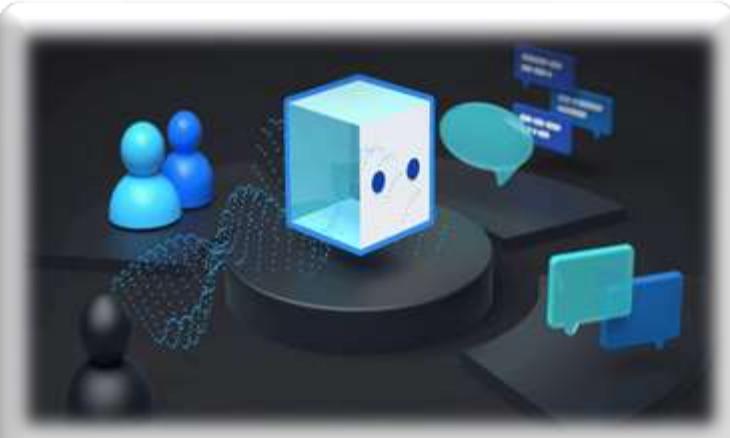


Azure Operator Nexus

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

Azure Operator Nexus

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



Azure AI Bot Service

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



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](#)

Azure Services Directory

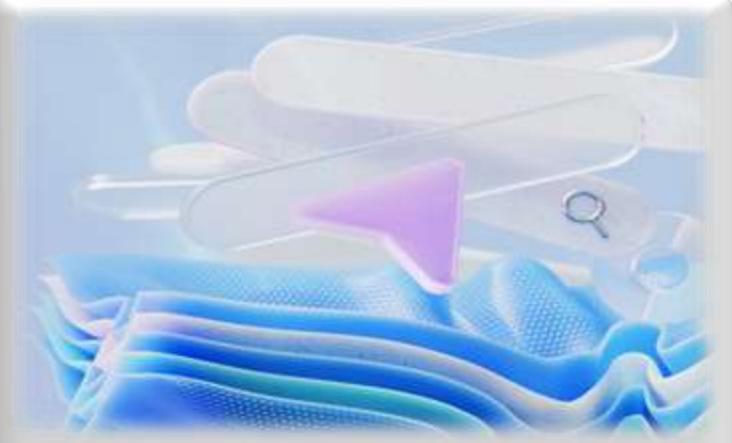


Azure AI Content Safety

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 now 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

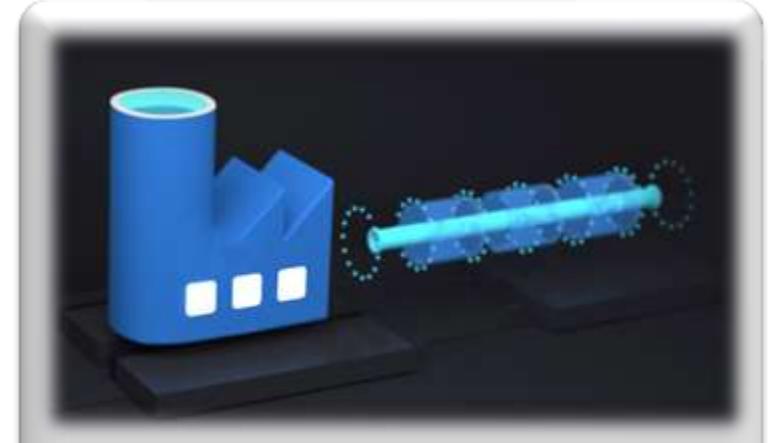


Azure AI Document Intelligence

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



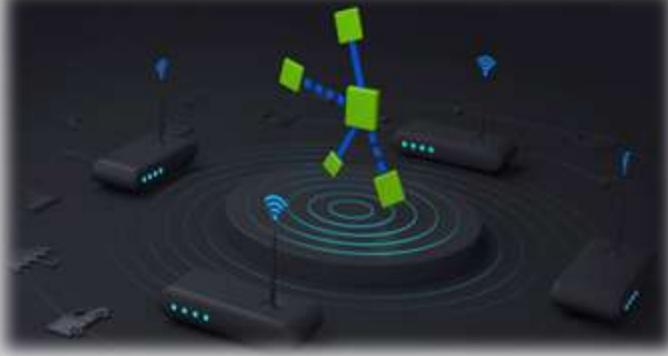
Azure Data Factory

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

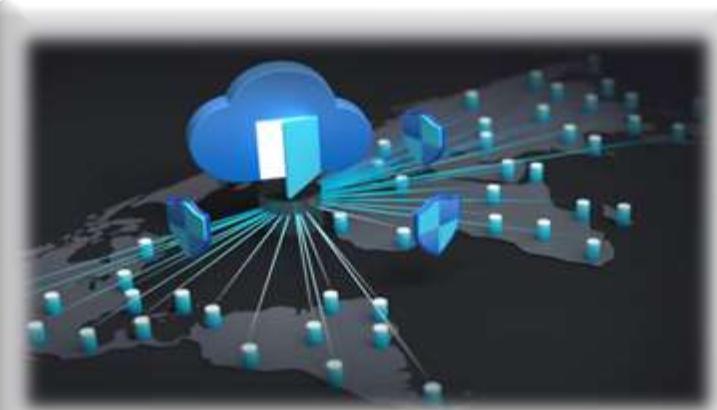


Azure Private 5G Core

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

Azure Private 5G Core

- ❖ Simple, Scalable, secure deployments of private 5G on Azure [Arc-Managed edge](#) platform
- ❖ 5G core network functions including User Plane, Control Plane, Subscriber and Policy
- ❖ Deployed on [Azure private MEC](#) (Multi-Access Edge Compute)
- ❖ Single Multi-Access Core to support 4G LTE & 5G standalone Radio Access Network (RAN) from any vendor
- ❖ Centralized Orchestration and Automation of 5G
- ❖ Deploy Private 5G network in minutes
- ❖ Scale Globally with unified cloud management

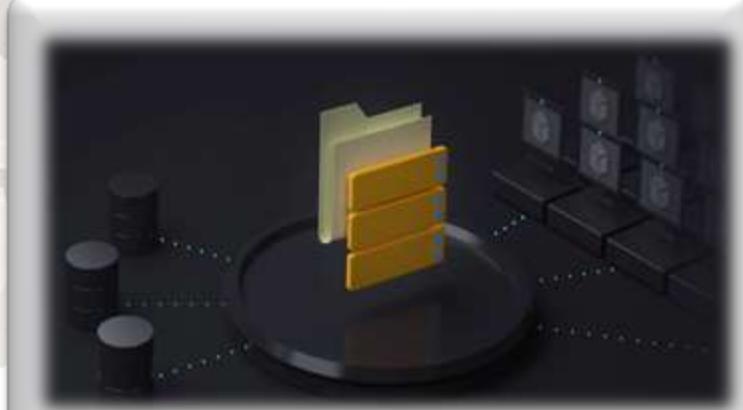


Microsoft Azure Attestation

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



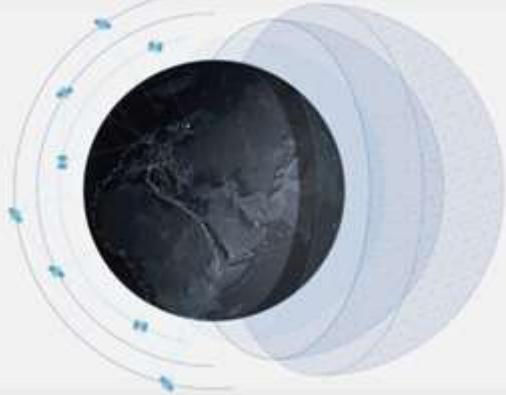
Avere vFXT for Azure

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

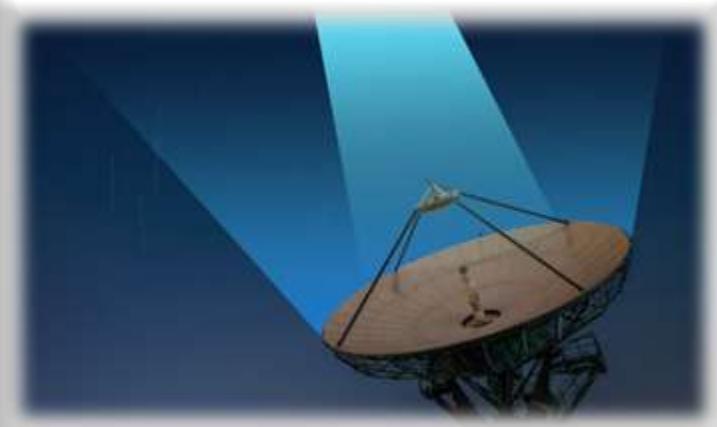


Azure Space

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.

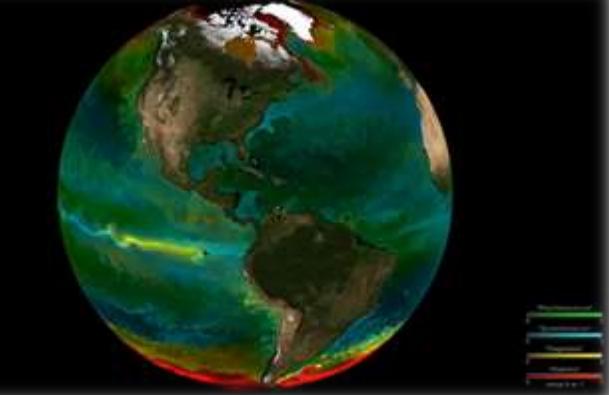


Azure Orbital Ground station

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



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 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](#)



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



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 analytical tools. At the top, there's a banner with the text "Experience the next generation in analytics" and four key differentiators: "Complete data platform", "Lake-centric and open", "Built for a data culture", and "Powered by AI". Below the banner, there are sections for "Overview", "Single experience", "Governance and security", and "Unified capacity". The "Unified capacity" section includes a note about simplifying billing and reducing costs through a single pool of capacity and storage. To the right, a large dashboard shows "Premium Capacity Usage and Resource Utilization" with various charts and data tables. Below this, there are several cards for different services: "Data engineering", "Data science", "Data warehouse", "Real-time analytics", "Data monitoring and action", and "Business intelligence". Each card has a brief description and a "Learn how" button. On the left side, there's a sidebar with navigation links like Home, Create, Workspaces, Data, Metrics, Learning, Run, Admin, Configuration, and Power BI.

Microsoft Research Blog



Research Focus: Week of April 29, 2024 >

May 2, 2024

In this edition: Can LLMs transform natural language into formal method postconditions; Semantically aligned question + code generation for automated...

ASPLOS 2024

Microsoft at ASPLOS 2024:
Advancing hardware and software
for high-scale, secure, and efficient
modern applications >

April 29, 2024 | [Rodrigo Fonseca](#) and [Madan Musuvathi](#)

From AI and deep learning to innovations in infrastructure, researchers from Microsoft are bridging the gap between architecture, programming languages, and operating systems to advance the state of the art at ASPLOS 2024.



SIGMA: An open-source mixed-reality system for research on physical task assistance >

April 29, 2024 | [Dan Bohus](#) and [Sean Andrist](#)

Microsoft recently developed and released the Situated Interactive Guidance, Monitoring, and Assistance (SIGMA) system, an open-source research platform, to enable research and innovation at the intersection of mixed reality and AI.

RESEARCH FOCUS APRIL 29, 2024



SAMMO: A general-purpose framework for prompt optimization >

April 18, 2024 | [Tobias Schnabel](#) and [Jennifer Neville](#)

SAMMO optimizes prompts for LLMs by leveraging their structure to guide optimization. This minimizes the time and effort needed to find performant prompts on a variety of tasks.

nsdi '24

Microsoft at NSDI 2024: Discoveries and implementations in networked systems >

April 16, 2024 | [Ranveer Chandra](#)

Microsoft at NDSI 2024: Discoveries and implementations in networked systems Topics range from 5G, space, datacenters, and wide-area networking to applications in artificial intelligence, security, video conferencing, and gaming. Learn more about the discoveries and advances we're making with networked systems.

Microsoft Quantum Blog :: Innovation News



How Microsoft and Quantinuum achieved reliable quantum computing >

April 3, 2024 • 5 min read

By [Dennis Toms](#), General Manager of Azure Quantum

Kystra Svore, Distinguished Engineer and Vice President of Advanced Quantum Development, Quantum at Microsoft

Today, Microsoft is announcing a critical breakthrough that advances the field of quantum computing by improving the logical error rate by 800x when compared to the error rate on corresponding physical qubits, thus creating the most reliable logical qubits to date. [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:

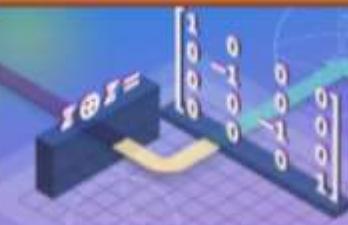
- "Explain the MResetZ operation"
- "Write Q# code that entangles two qubits"
- "Explain quantum interference"



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 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 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 & 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 13, 2024 | Lukas Velush

Shifting left to get accessibility right at Microsoft

At Microsoft, we've learned the best way to get accessibility right is to shift left. "We need to think about accessibility before we start any of our work, before we write any line of code, at every step of our development lifecycle," says Patrice Pelland, partner software engineering director for Microsoft Digital (MSD), the company's...

May 9, 2024 | India Rodgers

Scaling contract reviews at Microsoft with Microsoft Azure AI Services

At Microsoft, our Finance team is leveraging technology to simplify workstream prioritization and automate qualitative assessments. The Revenue team within our Finance division is composed of accounting professionals with product, industry, and region-specific expertise. These professionals review and document accounting conclusions on the company's major contracts with its customers, an activity that involves coordination across...

May 1, 2024 | Kamal Raheja

Microsoft enables greater innovation by moving its ServiceNow instances to Azure

Internally here at Microsoft, our strategic partnership with ServiceNow is designed to enhance the integration and optimization of our two companies' products, platforms, and cloud capabilities. Our decision to move the ServiceNow platform to Azure has proven to be a game-changer. This collaborative journey seamlessly blends the robust capabilities of ServiceNow with the cutting-edge infrastructure...

May 1, 2024 | Yulia Evgrafova

Evolving the device experience at Microsoft

At Microsoft, we're embracing and empowering hybrid work by adopting modern device-management practices, which is enabling our employees to split their time between working in the office and working from home. The tools and processes that we use to manage, secure, and monitor devices that access Microsoft data are being migrated out of a traditional...

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](#)

Security

Microsoft Security Virtual Training Day: Defend Against Threats with Extended Detection and Response

Learn how to better protect apps and data in Microsoft 365 Defender, Microsoft Defender for Endpoint, and Microsoft Sentinel.

Date & Time: Thu 23 May 2024, 12:00 PM - 03:15 PM
Timezone: EDT
Country: Canada
Skill Level: Intermediate

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

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](#)

Microsoft Azure Virtual Training Day: Implementing a Data Lakehouse with Microsoft Fabric

Learn how Fabric uses Azure Synapse Analytics, Azure Data Factory, and Power BI to simplify and modernize your analytics approach for the era of AI.

Date & Time: Wed 22 May 2024, 12:00 PM - Thu 23 May 2024, 12:00 PM
Timezone: EDT
Country: United States
Skill Level: Intermediate

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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](#)



Career Essentials in Sustainable Tech

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

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

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



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 from zero to hero in 4 weeks with Azure AI, covering Cognitive Services, Machine Learning, and more.

Fabric Learning Companion

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

Microsoft Learning and Training :: Learning Blog



CAREER PATHS

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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 card for the "AI Engineer" module. It features a monitor displaying a lightning bolt and a brain, with a desk lamp in the background. The title "AI Engineer" is at the bottom left, and the description "Define and implement cutting-edge AI solutions." is on the right.

A card for the "Security Operations Analyst" module. It features a smartphone displaying a security interface, surrounded by books and a coffee cup. The title "Security Operations Analyst" is at the top, and the description "Protect your organization for security threats." is on the right.

MODULE

Automate development tasks by using GitHub Actions

⌚ 49 min

Beginner • DevOps Engineer • GitHub



LEARNING PATH

Develop Generative AI solutions with Azure OpenAI Service

⌚ 5 hr 34 min

Azure • AI Engineer • Intermediate

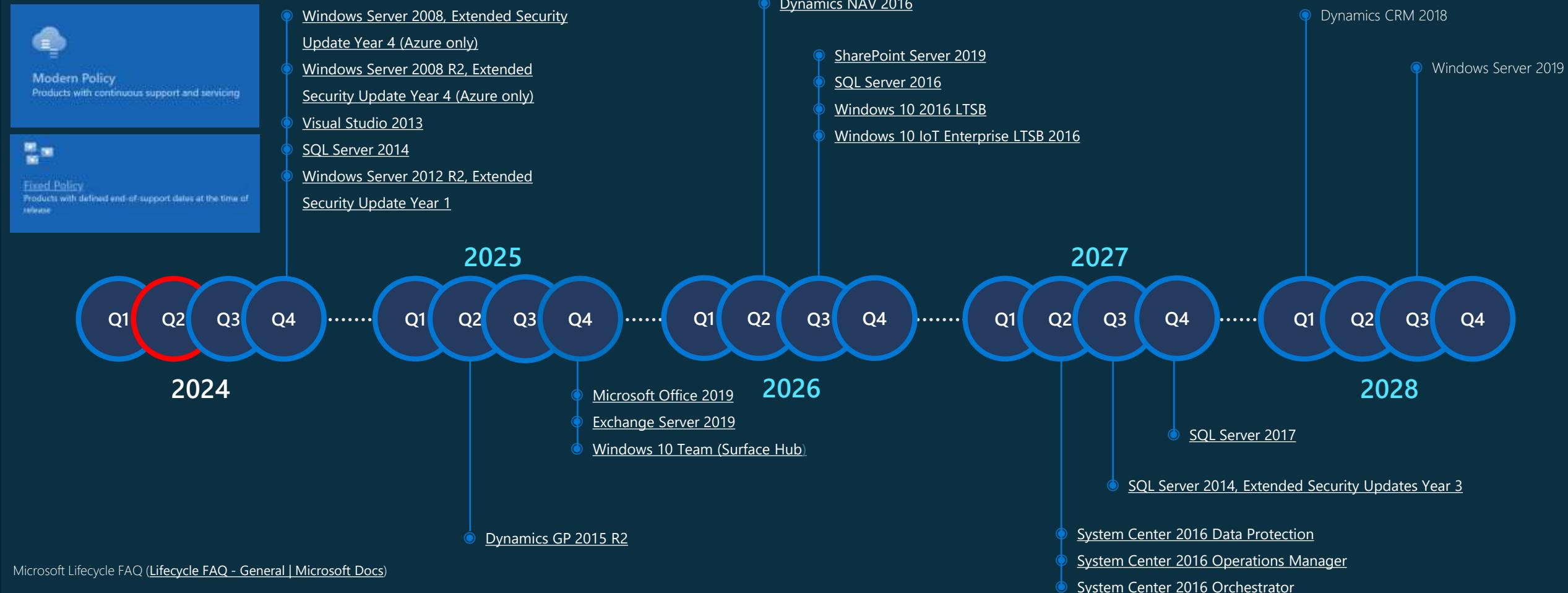


Product Lifecycles





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
<u>Fungible</u>	01-09-2023	<p><u>Fungible Inc.</u>, 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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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](#)

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

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- [Microsoft Defender-for-Cloud/Labs at main · Azu...](#)
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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.

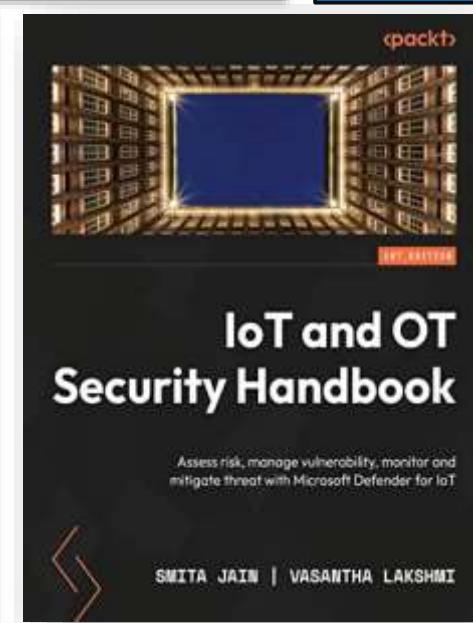
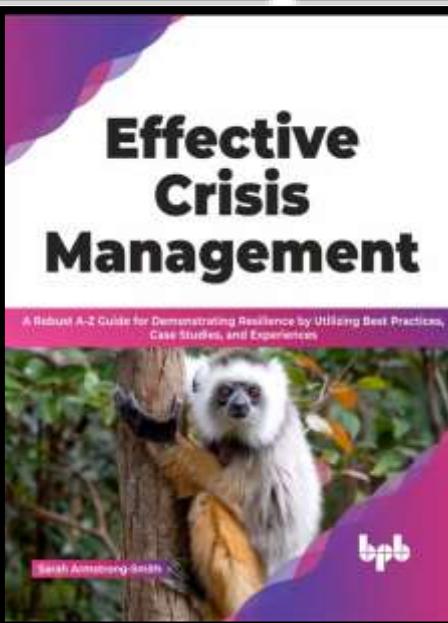
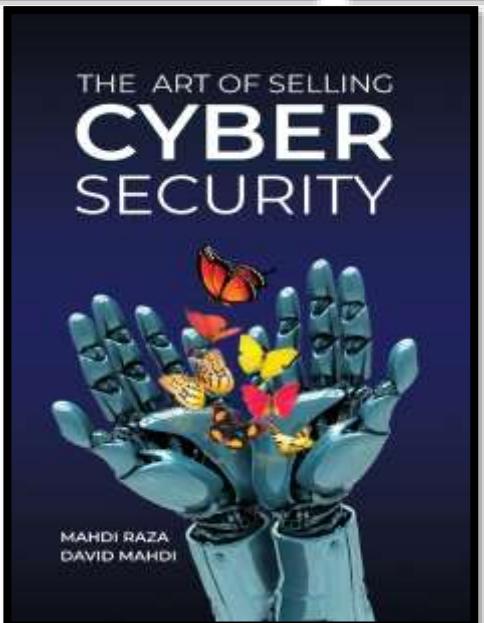
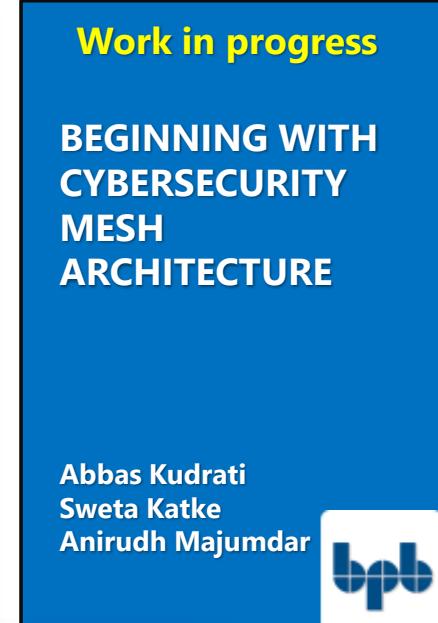
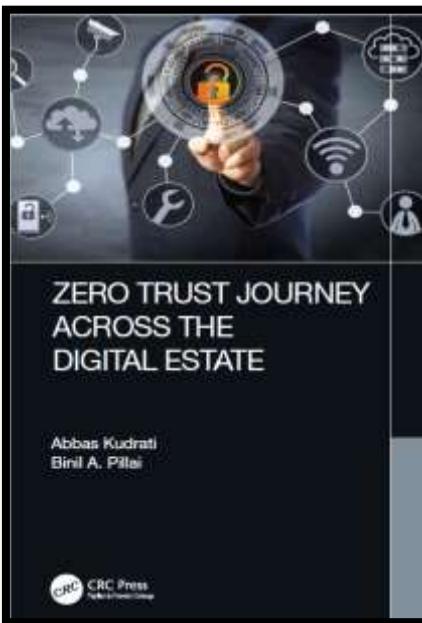
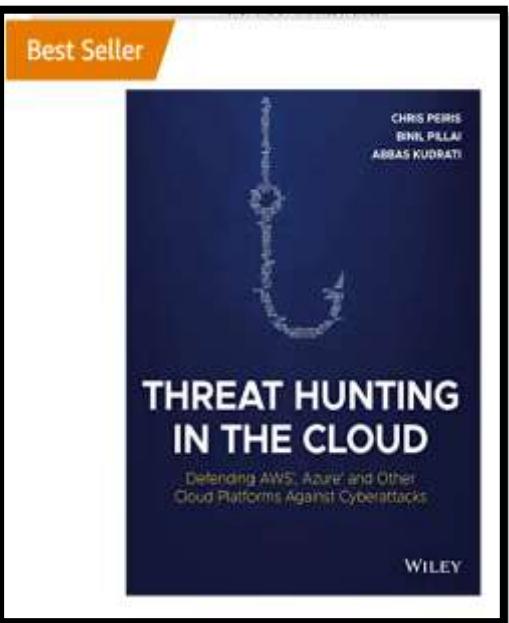
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- [Chromium: CVE-2023-6112 Use after free in Navigation](#)
- [Chromium: CVE-2023-5997 Use after free in Garbage ...](#)
- [CVE-2023-36008 Microsoft Edge \(Chromium-based\) ...](#)
- [CVE-2023-36026 Microsoft Edge \(Chromium-based\) ...](#)
- [CVE-2021-1730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

MSRC & MSTIC (Live feed)

Microsoft guidance regarding credentials leaked to G...

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