



Monthly Tech Briefing

APRIL 2024



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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.

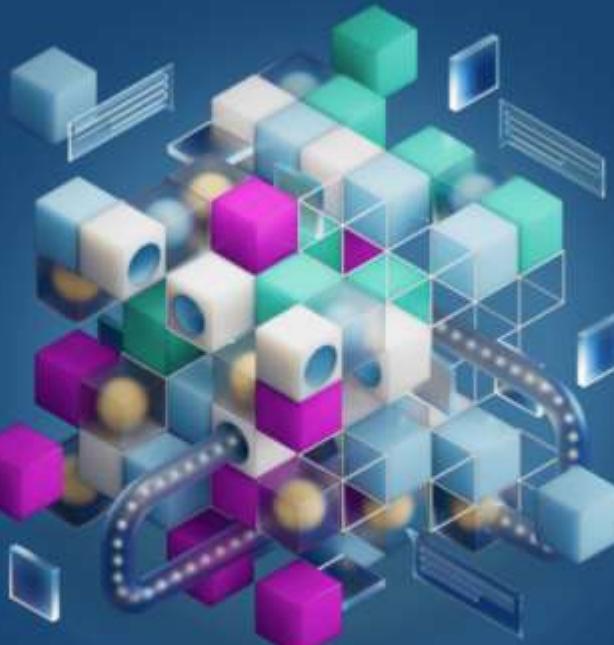
3. Large language models

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

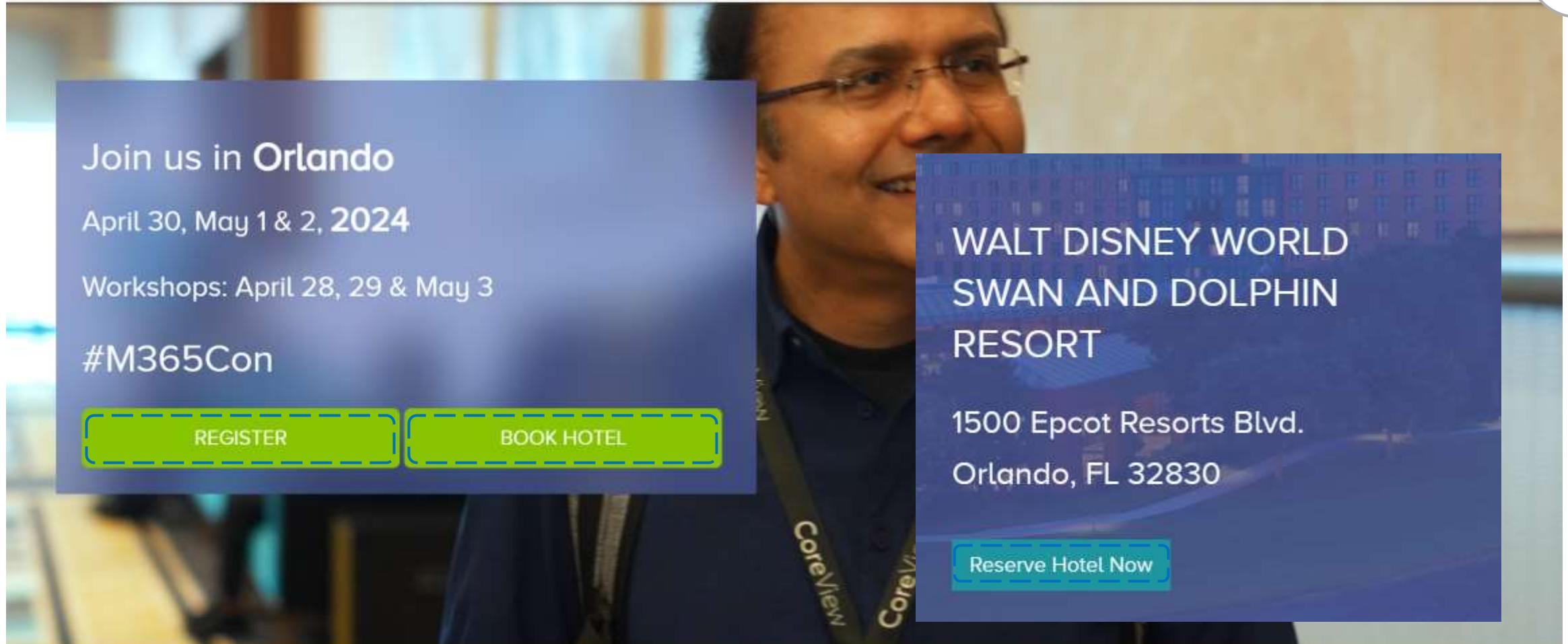
Artificial intelligence is basically a super-smart computer system that can imitate humans in some ways, like comprehending what people say, making decisions, translating between languages, analyzing if something is negative or positive, and even learning from experience. It's artificial in that its 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 outlines 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.



Join us in Orlando

April 30, May 1 & 2, **2024**

Workshops: April 28, 29 & May 3

#M365Con

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Orlando, FL 32830

[Reserve Hotel Now](#)[Entra](#)[Exchange](#)[Forms](#)[Lists](#)[Microsoft 365](#)[Microsoft Copilot](#)[Microsoft Defender](#)[Microsoft Fabric](#)

SPEAKERS

150

SESSIONS

150

WORKSHOPS

18

EXHIBITORS

50



May 6 - 9, 2024

San Francisco

Call For Submissions Agenda Passes Networking Expo & Sponsors Programs Health & Safety Venue On Demand

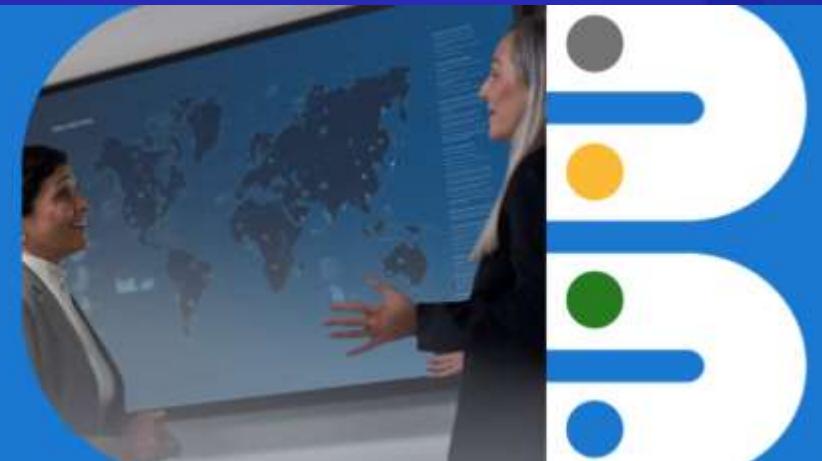
[HOME](#) > 2024 USA

RSA Conference™ 2024 San Francisco

Moscone Center | May 6 - 9, 2024

Microsoft Security

Microsoft Pre-Day at
RSA Conference™ 2024



THE ART OF
POSSIBLE

Feedback



BLUEHAT INDIA 2024

May 16th and 17th, 2024 in Hyderabad, India

BlueHat India 2024
Schedule and Agenda

Coming Soon

BlueHat India 2024
Apply to Attend

[Click here to apply >](#)

BlueHat India 2024
Frequently Asked Questions

[Click here for FAQ >](#)



How will AI shape your future?

In Seattle and online: May 21–23, 2024

Save the date

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

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

[Register now](#)



Expand your knowledge with live keynotes

Microsoft Learn Cloud Skills Challenge

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

[Start now >](#)

Dive deeper in breakout sessions

Microsoft Build



Work with experts to find solutions

Make connections and grow your future



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

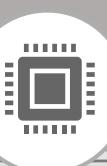
Our biggest event of the year is getting even bigger. Join us in Chicago to expand your AI knowledge, create connections, and more—mark your calendar.

[Join the email list](#)

Updates of Security and Compliance



Monitoring Global Threats: Microsoft :: Threat Intelligence Blog



Select a region ▾

Global threat activity

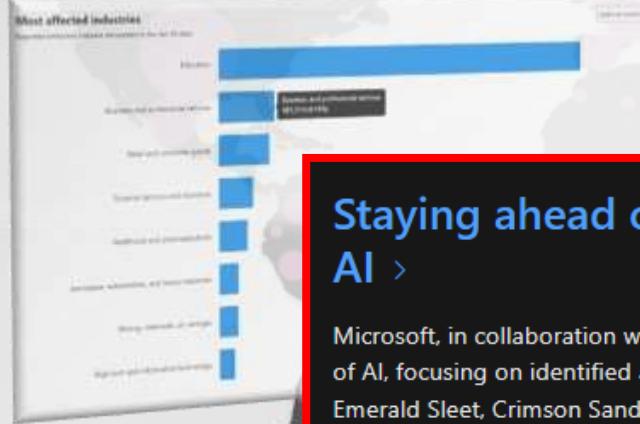
Countries or regions with the most malware encounters in the last 30 days

Most affected industries

Reported enterprise malware encounters in the last 30 days

Telecommunications

Devices with encounters:
180,901 (2.26%)



Telecommunications ▾

Top threats:

HackTool:Win32/AutoKMS!pz
TrojanScript/Wacatac.B!ml
HackTool:Win32/AutoKMS
HackTool:Win32/Keygen
Trojan:Win32/Wacatac.B!ml

Staying ahead of threat actors in the age of AI >

Microsoft, in collaboration with OpenAI, is publishing research on emerging threats in the age of AI, focusing on identified activity associated with known threat actors Forest Blizzard, Emerald Sleet, Crimson Sandstorm, and others. The observed activity includes prompt-injections, attempted misuse of large language models (LLM), and fraud.

Microsoft Security Response Center

Worldwide

79,276,373 devices with encounters

Top threats:

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

Research Threat intelligence · Mar 20 · 4 min read

Microsoft Threat Intelligence unveils targets and innovative tactics amidst tax season >

Cybercriminals use social engineering during holidays and important events like tax season to steal user information. Our Microsoft Threat Intelligence tax season report outlines some of the various techniques that threat actors use to craft their campaigns and mislead taxpayers into revealing sensitive information, making payments to fake services, or installing malicious payloads.

Toward greater transparency: Adopting the CWE standard for Microsoft CVEs

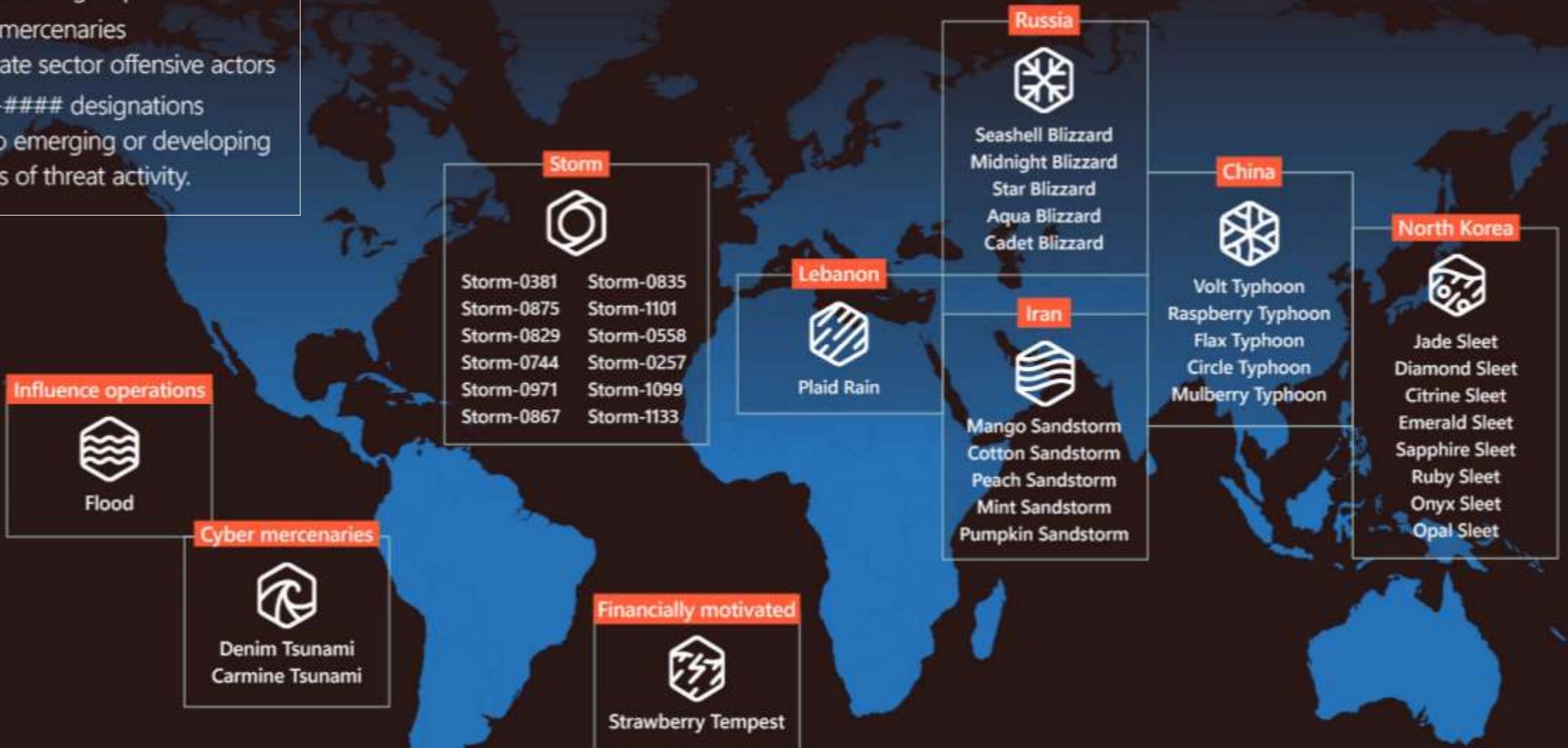
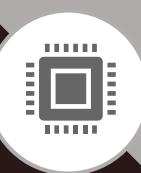
Monday, April 08, 2024

At the Microsoft Security Response Center (MSRC), our mission is to protect our customers, communities, and Microsoft from current and emerging threats to security and privacy. One way we achieve this is by determining the root cause of security vulnerabilities in Microsoft products and services. We use this information to identify vulnerability trends and provide this data to our Product Engineering teams to enable them to systematically understand and eradicate security risks.

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



Microsoft Security Blog

[News](#) [Security operations](#) [Microsoft Defender](#) · Apr 3 · 7 min read

Get end-to-end protection with Microsoft's unified security operations platform, now in public preview >

Microsoft's unified security operations platform is now in public preview. Read on for details of how a comprehensive approach to cybersecurity can benefit your security operations center.

[News](#) [AI and machine learning](#) [Microsoft Copilot for Security](#) · Mar 18 · <1 minute read

Microsoft Copilot for Security: General Availability details >

We are excited to announce the general availability of Microsoft Copilot for Security on April 1, 2024. This industry-leading product is the only generative AI solution that helps security and IT professionals amplify their skillset, collaborate more, see more, and respond faster.

[News](#) [Privacy](#) [Microsoft Priva](#) · Apr 2 · 8 min read

Microsoft Priva announces new solutions to help modernize your privacy program >

Today, we are beyond thrilled to announce the expansion of the Microsoft Priva family of products in public preview. These new features bring automated functionality and capabilities to help organizations meet adapting privacy requirements.

[Best practices](#) [AI and machine learning](#) [Microsoft Copilot for Security](#) · Mar 4 · 4 min read

Defend against human-operated ransomware attacks with Microsoft Copilot for Security >

Human-operated ransomware attacks are on the rise. See real-world examples of how Microsoft Copilot for Security helps SecOps teams defend their organizations against financial and reputational damage.

[News](#) [Analyst reports](#) [Microsoft Sentinel](#) · Mar 19 · 5 min read

Microsoft Sentinel delivered 234% ROI, according to new Forrester study >

A new Forrester study of more than 450 organizations that implemented Microsoft Sentinel found significant benefits, including a 234% return on investment. Read on for the major findings from the report.

[Best practices](#) [Incident response](#) [Microsoft Incident Response](#) · Mar 21 · 5 min read

How Microsoft Incident Response and Microsoft Defender for Identity work together to detect and respond to cyberthreats >

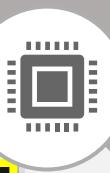
Learn how Microsoft Incident Response works together with Microsoft Defender for Identity to give customers fast, flexible service—before, during, or after a cybersecurity incident occurs.

[Events](#) [AI and machine learning](#) [Microsoft Purview](#) · Mar 26 · 4 min read

The foundation for responsible analytics with Microsoft Purview >

If you're attending the Microsoft Fabric Community Conference, check out one of our opportunities to learn more about Microsoft Purview. This blog post outlines the major announcements of new capabilities.

Microsoft Security Response Center





Microsoft 365 update information

AI Announcements



State of the Partner Ecosystem

2024



Artificial intelligence is a defining technology of our time. Over the past year we've begun to see how it can unlock profound possibilities for individuals, organizations and society — and it's clear that we have only scratched the surface.

For Microsoft and our partners across industries, AI offers a generational moment to reimagine the capabilities that software and services can provide. Our goal at Microsoft is to innovate and democratize our breakthroughs in AI — and the opportunity for partners is far greater than the sum of AI technologies themselves.

From vision to value realization: A closer look at how customers are embracing AI Transformation to unlock innovation and deliver business outcomes

Mar 13, 2024 | Judson Althoff - Executive Vice President and Chief Commercial Officer

Each quarter, I share a collection of customer and partner stories from around the world that highlight the incredible technological advancements shaping the future of industry. As a partner of choice, we are committed to helping organizations accelerate AI Transformation to unlock opportunities and realize material business value. Our ability to bend the curve on AI innovation is allowing us to live truer to our mission than ever before: *to empower our customers and partners to achieve more.*

Mustafa Suleyman, DeepMind and Inflection Co-founder, joins Microsoft to lead Copilot

Mar 19, 2024 | [Microsoft Corporate Blogs](#)



Satya Nadella, Chief Executive Officer, shared the below communication today with Microsoft employees.

I want to share an exciting and important organizational update today. We are in Year 2 of the AI platform shift and must ensure we have the capability and capacity to boldly innovate.

There is no franchise value in our industry and the work and product innovation we drive at this moment will define the next decade and beyond. Let us use this opportunity to build world-class AI products, like Copilot, that are loved by end-users! This is about science, engineering, product, and design coming together and embracing a learning mindset to push our innovation culture and product building process forward in fundamental ways.

Announcing new Microsoft AI Hub in London

Apr 7, 2024 | [Mustafa Suleyman, EVP and CEO of Microsoft AI](#)

Microsoft recently [announced the creation of Microsoft AI](#), a newly formed organization to help advance our consumer AI products and research, including Copilot. Building on that news, I'm thrilled to share that Microsoft AI is opening a new AI hub in the heart of London. **Microsoft AI London** will drive pioneering work to advance state-of-the-art language models and their supporting infrastructure, and to create world-class tooling for foundation models, collaborating closely with our AI teams across Microsoft and with our partners, including OpenAI.



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

Copilot available for everyone



We're bringing Copilot to more people and businesses

Copilot Pro launched for consumers; Copilot for Microsoft 365 expands availability

Copilot Pro provides:

1. A single AI experience that runs across your devices, understanding your context on the web, on your PC, across your apps and soon on your phone to bring the right skills to you when you need them.
2. Access to Copilot in Word, Excel^[i], PowerPoint, Outlook, and OneNote on PC, Mac and iPad for Microsoft 365 Personal and Family subscribers.
3. Priority access to the very latest models – starting today with OpenAI's GPT-4 Turbo. With Copilot Pro you'll have access to GPT-4 Turbo during peak times for faster performance and, coming soon, the ability to toggle between models to optimize your experience how you choose.
4. Enhanced AI image creation with Image Creator from Designer (formerly Bing Image Creator) – ensuring it's faster with 100 boosts per day while bringing you more detailed image quality as well as landscape image format.
5. The ability to build your own Copilot GPT – a customized Copilot tailored for a specific topic – in our new Copilot GPT Builder (coming soon) with just a simple set of prompts.

	For Individuals	For Organizations
	Copilot	Copilot Pro
Foundational Capabilities		
Web Grounding	•	•
Commercial Data Protection	•	•
Priority Model Access		•
Copilot in Outlook, Word, Excel, PowerPoint, and OneNote		•
Copilot in Teams		
Microsoft Graph Grounding		
Enterprise-Grade Data Protection		
Customization		
		Copilot GPT Builder
		Copilot Studio

For Copilot Pro, a Microsoft 365 Personal or Family subscription is required to access Copilot in Word, Excel, PowerPoint, Outlook, and OneNote on PC, and soon on Mac and iPad. Commercial Data Protection applies when users are signed into their work account using their organization's Azure AD.

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.

Customizing Copilot for Microsoft 365 with Copilot Studio

Richard Riley on Mar 19 2024 09:00 AM

An image of a laptop on a table, with Copilot Studio home page open on the screen. Learn how Copilot Studio can help cus...



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.

What makes a good prompt?

Hello young explorers! Let's dive into the world of social media, a realm filled with creativity and connection. A place that requires imagination and fun...



Documentation

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

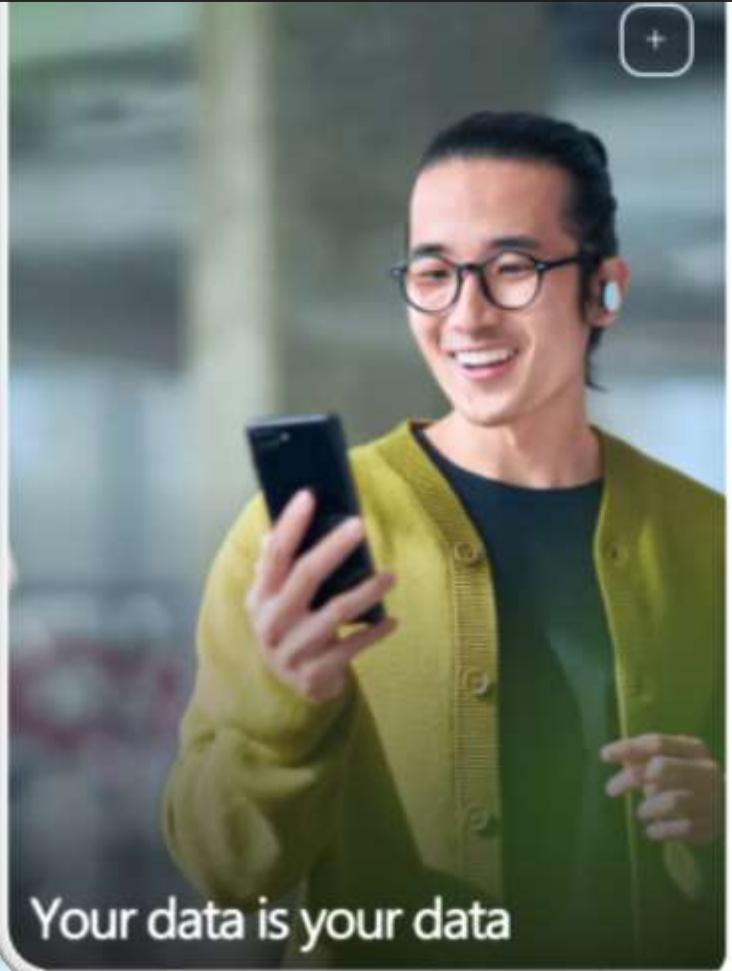


Microsoft AI runs on Trust



Responsible AI

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



Your data is your data

A close-up portrait of a woman with curly, reddish-brown hair, looking slightly to the side with a neutral expression. The background is dark and out of focus.

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

Putting principles into practice at Microsoft

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

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

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

- ❖ [Data residency in the AI era: New capabilities to manage your data](#)
- ❖ [Bringing the latest capabilities to Copilot for Microsoft 365 customers](#)
- ❖ [Advancing the new era of work with Copilot, Windows, and Surface](#)

- ❖ [Windows IT Pro Blog](#)
- ❖ [Microsoft Entra \(Azure AD+\) Blog](#)
- ❖ [Microsoft OneDrive Blog](#)
- ❖ [Microsoft SharePoint Blog](#)
- ❖ [M365 Technical Documentation](#)

Configuring weather and more on the lock screen in Windows

Rich Weather and other content is coming to the lock screen in Windows. Find out more.

Brainstorm your next big idea with mind maps in Visio for...

Learn how to visualize and organize your ideas together with mind maps

SharePoint Roadmap Pitstop: March 2024

March 2024 brought some great new offerings: SharePoint: New section backgrounds; Answers in Viva content in Microsoft 365...

Skilling snack: Copilot in Windows for IT admins

Catch up on what you need to know about Copilot in Windows.



Introducing New Capabilities for File Viewer in Microsoft...

Today we're happy to introduce performance, collaboration and interactivity upgrades to the file viewer in Microsoft 365...

Microsoft Entra Internet Access: Unify Security Service...

Secure access with an identity-centric secure web gateway (SWG) solution

What's new in Microsoft Entra

Learn about the latest features and change announcements across Microsoft Entra.



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
> Outlook: Folder tags on items in Search Folders in the new Outlook for Windows and web	Preview Available: April 2024 Rollout Start: April 2024
> Microsoft Purview compliance portal: Communication Compliance-Ability to create custom tags in Communication Compliance policies	Rollout Start: April 2024
> Microsoft Teams: Meeting Options Categorization	Rollout Start: April 2024
> Microsoft Teams: In-app Teams devices store experience	Rollout Start: April 2024
> Microsoft Teams: Shared call history for delegates and delegators	Rollout Start: April 2024
> Planner: Open and Edit Projects in Planner	Rollout Start: April 2024
> Planner: Create personal plans in Planner	Rollout Start: April 2024
> Planner: Auto population of due tasks in My Day	Rollout Start: April 2024
> Planner: Manage all your tasks in My Tasks	Rollout Start: April 2024
> Planner: Access all your plans, projects and to do lists in My Plans	Rollout Start: April 2024
> Microsoft Teams: Admin setting for uploading Tiles using drag-drop	Rollout Start: April 2024
> Exchange: Microsoft Defender for Office 365 - Quarantine End User Allow and Block list management	Rollout Start: April 2024
> Microsoft Purview Information Protection: Tracking and Revocation in Compliance Portal	Preview Available: August 2023 Rollout Start: April 2024
> Microsoft Purview compliance portal: Microsoft Purview Information Protection Tracking and Revocation - End-User Tracking and Revocation	Rollout Start: April 2024
> Microsoft Purview Information Protection: Tracking and Revocation in Compliance Portal	Rollout Start: April 2024
> Outlook: Presence is back to Outlook on the Web	Rollout Start: April 2024
> Outlook: New Outlook for Windows - Search tasks using Microsoft To Do	Preview Available: March 2024 Rollout Start: April 2024
> Visio: Containers in Visio for the web [Visio Plan 1, Plan 2]	Rollout Start: March 2024
> Outlook: New search UI for contacts and global address list	Rollout Start: March 2024



Microsoft Teams Blog:



Microsoft Shifts: Availability & Import schedule from Excel

Ines_Gil on Apr 03 2024 08:00 AM

We're excited to announce significant product upgrades that will deliver enhanced frontline worker (FLW) availability pr...

Enhancing Screen Sharing with AV1 in Microsoft Teams

Naba_Kumar on Mar 26 2024 08:00 AM

In today's digital-first world, the ability to share content seamlessly during virtual meetings is not just a convenienc...

Things to know about tracking your work with the Microsoft...

Yuxiang_Z on Apr 04 2024 08:00 AM

If you are looking to streamline your daily reporting process and improve work efficiency, Microsoft Teams Updates may b...

Prompt Like a Pro: Prepare for your week with Microsoft...

Ivaladares on Mar 21 2024 08:00 AM

Do the number of meetings and tasks you have to juggle every week feel overwhelming? When your week ahead is full of mee...

Microsoft 365 Community Conference

Explore how AI is transforming work today at Microsoft 365 Community Conference in Orlando, April 30 - May 2.

Microsoft Teams at the Microsoft 365 Community Conference

Jessie_Hwang on Apr 04 2024 08:00 AM

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

Voice isolation in Microsoft Teams enables personalized...

Elaine_Ho on Mar 26 2024 08:00 AM

Remote meetings have changed the way we collaborate, offering valuable flexibility in how and where we work. In any meet...

Enhance collaboration with Microsoft Teams Premium

alexpozzi on Mar 26 2024 08:00 AM

Today, we are excited to unveil the latest innovations coming to Microsoft Teams Premium to make collaboration more int...



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

Workplace Analytics
& Feedback

Goal Setting &
Management

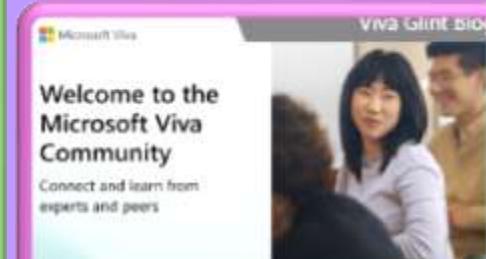
Learning and
Knowledge Management

Customer &
Sales Insights



[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.



[Welcome to the Microsoft Viva Community](#)
Connect and learn from experts and peers

[Watch how Phillips 66 used Copilot in Viva Glint to sum...](#)
In a recent conversation between Carolyn Kalafut, a principal peo...



[Empower your organization with feature access management...](#)

We're excited to share that organizations can now implement contr...



[Think like a People Scientist: Telling a compelling sto...](#)

On March 20th, we were delighted to bring you the second webinar...



[Viva Connections Partner Showcase - adenin](#)

We are excited to share a Partner Showcase story on adenin. Serio...



[April 2024 Viva Glint newsletter](#)

JudyWeiner1 in Viva Glint Blog Mar 29 2024 07:33 AM

Welcome to the April edition of our Viva Glint newsletter. Our recurring communications wi...

Microsoft Power Platform :: Power Platform Blog



Apr 4 • 4 min read

Increase efficiency with Microsoft Power Platform governance features >

In our effort to increase efficiency and streamline the process of managing Power Platform, we're thrilled to introduce the public preview of Power Platform environment groups and rules and the newest capabilities of environment routing.

Mar 8 • 5 min read

Prompt engineering made easier with AI Builder >

Today we are excited to launch a new set of prebuilt AI functions that can be easily added to a low-code solution without having to engineer a custom prompt. These prebuilt functions provide a great starting point to combine the power of LLMs and power of low-code, but they are just scratching the surface of what is possible.

Mar 28 • 4 min read

The Microsoft Power Platform community is buzzing about Microsoft Copilot, governance, and scale >

Are you curious about some of the innovations that make Microsoft Power Platform a game-changer for businesses of all sizes and industries? Hear directly from attendees of the Microsoft Power Platform Conference who shared their insights and experiences.

Mar 26 • 6 min read

A year of Microsoft Copilot: Accelerating innovation with AI-powered low-code >

The past 12 months marked the beginning of the era of AI. In March 2023, Microsoft took the lead in AI transformation with the introduction of Microsoft Copilot, which has since been deeply integrated in the company's portfolio—including Microsoft Power Platform—with generative AI transforming how organizations work, collaborate, and create.



Visit our product blogs

Power BI

Power Automate

Power Virtual Agents

Power Apps

Power Pages

Mar 20 • 8 min read

Protect enterprise solutions with new Microsoft Power Platform security features >

This month we are announcing several new security features for the Power Platform. Admins will now have one place to manage Power Platform security at scale using the new Security Hub. Multiple advanced data exfiltration protection features are being added, including the next generation of network isolation and continuous access checking.

Introducing Copilot Pane in Power BI Desktop (preview)

Announcements

Copilot

Features

Power BI

April 8, 2024 by Harleen Kaur

Earlier this year, we announced Copilot preview for all customers with Premium/Fabric capacity in Power BI web. We're thrilled to share that the same Copilot experience for report creation is now available for preview in Power BI Desktop.

Power Platform and Dynamics

Roadmaps and Release plans:



Business Decision Makers Events

Dynamics 365 Sales

• Apr 8 • 5 min read

New Microsoft Dynamics 365 and Microsoft Copilot innovations for supply chain, sales, and service join the 2024 release wave 1 >

Sellers, service agents, and supply chain professionals share a common goal: delivering quality goods and services to customers on time, every time. Today, we're announcing new experiences for Microsoft Dynamics 365 that help professionals across business functions to collaboratively solve challenges, streamline workflows, and focus on what matters most—key factors for transformative customer experiences.



Save Office 365 email attachments to specified OneDrive for Business folder

By Microsoft Power Automate Community

Automated

245326

Business Decision Makers

Thought leadership

Dynamics 365 Customer Insights

• Apr 2 • 5 min read

Revolutionizing marketing workflows with Copilot in Dynamics 365 Customer Insights >

In the ever-evolving landscape of generative AI, a copilot isn't just a companion that makes tasks that you're already doing at work easier, but it's quickly becoming a transformative force reshaping the very core of how things are done.



Trigger a flow with a Power BI data-driven alert

By Microsoft

Automated
150646



Power Apps button

By Microsoft

Instant
537651



Request manager approval for a selected file

By Microsoft

Instant
Q_213775

Business Decision Makers

Analyst reports

Dynamics 365 Customer Service

• Mar 27 • 4 min read

Forrester TEI study shows 315% ROI when modernizing customer service with Microsoft Dynamics 365 Customer Service >

We are pleased to share the results of a March 2024 Forrester Consulting Total Economic Impact (TEI) Study commissioned by Microsoft. Forrester calculates Dynamics 365 Customer Service delivered benefits of \$14.70 million over three years to a composite organization.

Business Decision Makers Events

Dynamics 365 Sales

• Mar 25 • 2 min read

Explore the next wave of AI innovation at the Microsoft Business Applications Launch Event >

Join Microsoft product leaders and engineers on April 10, 2024 for an in-depth look at the latest AI features and capabilities in Dynamics 365 and Microsoft Power Platform.



Send an email to responder when response submitted in Microsoft Forms

By Microsoft Power Automate Community

Automated
408171



Start approval when a new item is added

By Microsoft Power Automate Community

Automated
Q_515566

Developer and GitHub

GitHub Blog and Changelog

- [Introducing Enhanced Code Review on GitHub Mobile](#)
- [Advanced filtering capabilities for the security overview dashboard](#)
- [Actions: Jobs executing on self hosted runners will now timeout in 5 days](#)
- [Secret scanning now detects secrets in GitHub wikis](#)
- [GitHub Actions: Hardware accelerated Android virtualization now available](#)
- [What's new for GitHub Actions hosted runners](#)
- [Code security configurations let organizations easily roll out GitHub security products at scale](#)
- [GitHub Education Redesign](#)
- [Updated GitHub App visibility for Enterprise Managed Users](#)
- [SSH CA support for enterprise-owned user accounts](#)



Microsoft Developer Blogs:

- [Customer Case Study: Cognizant & Microsoft Collaborate to Power Healthcare with Generative AI](#)
- [.NET April 2024 Updates – .NET 8.0.4, 7.0.18, .NET 6.0.29](#)
- [Introducing the new Copilot experience in Visual Studio](#)
- [Backups for Azure Managed Instance for Apache Cassandra](#)
- [Java on Visual Studio Code Update - March 2024](#)
- [AB links on GitHub pull request and scale improvements for large organizations](#)
- [How to use Comments to Prompt GitHub Copilot for Visual Studio](#)
- [Using Managed RunCommand in an ARM Template](#)

Game Bytes · March 2024

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

Lee Reilly · March 27, 2024

Explore the seasons of software development with four full years of data

Discover the latest trends and insights on public software development activity on GitHub with the release of Q4 2023 data for the Innovation Graph.

Kevin Xu · April 9, 2024

Engineering

Using GitHub Copilot in your IDE: Tips, tricks, and best practices

GitHub Copilot is a powerful AI assistant. Learn practical strategies to get the most out of GitHub Copilot to generate the most relevant and useful code suggestions in your editor.

Kedasha Kerr

March 25, 2024

Engineering

What is retrieval-augmented generation, and what does it do for generative AI?

Here's how retrieval-augmented generation, or RAG, uses a variety of data sources to keep AI models fresh with up-to-date information and organizational knowledge.

Nicole Choi

April 4, 2024

Bringing enterprise-level security and even more power to GitHub-hosted runners

Github-hosted runners now support Azure private networking. Plus, we've added 2 vCPU Linux, 4 vCPU Windows, macOS L, macOS XL, and GPU hosted runners to our runner fleet.



Tonmoyee Kamath · April 2, 2024

Found means fixed: Introducing code scanning autofix, powered by GitHub Copilot and CodeQL

Now in public beta for GitHub Advanced Security customers, code scanning autofix helps developers remediate more than two-thirds of supported alerts with little or no editing.

Pierre Tempel & Eric Tooley · March 28, 2024

Gaining kernel code execution on an MTE-enabled Pixel 8

In this post, I'll look at CVE-2023-6241, a vulnerability in the Arm Mali GPU that allows a malicious app to gain arbitrary kernel code execution and root on an Android phone. I'll show how this vulnerability can be exploited even when Memory Tagging Extension (MTE), a powerful mitigation, is enabled on the device.

Man Yue Mo · March 18, 2024

Security research without ever leaving GitHub: From code scanning to CVE via Codespaces and private vulnerability reporting

This blog post is an in-depth walkthrough on how we perform security research leveraging GitHub features, including code scanning, CodeQL, and Codespaces.

Jorge Rosillo · April 3, 2024



Office Developer Blogs and Microsoft 365 Dev Center



New Nested App Authentication for Office Add-ins: Legacy Exchange tokens off by default in October 2024

New Nested App Authentication for Office Add-ins: Legacy Exchange tokens off by default in October 2024

April 9, 2024

BS Ben Siler

Announcing the public preview of Nested App Authentication (NAA) and that legacy Exchange user identity tokens and callback tokens will be turned off by default for all Exchange Online tenants in October 2024.

Building custom copilots in Microsoft Teams with Teams App Test Tool and Dev Proxy

Building custom copilots in Microsoft Teams with Teams App Test Tool and Dev Proxy

April 8, 2024

GR Garry Trinder, Waldek Mastykarz

Learn how you can quickly build and test custom copilots tailored to meet the specific needs of your organization.

Update on the future of the Script Lab Office add-in

Update on the future of the Script Lab Office add-in

April 3, 2024

AJ Alexander Jerabek

Script Lab is now officially owned and maintained by Microsoft, will no longer be open source, and the GitHub repository will be archived.

Now available Dev Proxy v0.16

Dev Proxy v0.16 with simulated handling Teams Admin Center notifications for Microsoft Graph connectors

March 28, 2024

GR Waldek Mastykarz, Garry Trinder

We're excited to share the launch of Dev Proxy v0.16, with new features for Microsoft Graph connectors and more.

Important update on OneDrive URL upload feature

Important update on OneDrive URL upload feature

March 7, 2024

PR Patrick Rodgers

We are discontinuing support for the preview feature that allows you to upload files to OneDrive from a URL.

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

- Building custom copilots in Microsoft Teams with Teams App Test Tool and Dev Proxy
- Java on Visual Studio Code Update - March 2024
- Using Microsoft Entra External ID and Cerbos for authentication and authorization
- Bot Powered Viva Connections extensibility supported for Teams Solutions
- Public preview of SharePoint Framework 1.19 – First release of upcoming features
- Maximize your Office Add-in success with free Microsoft Partner programs
- Breaking changes in Microsoft Bookings Graph APIs (beta)
- Introducing API-based message extensions in Microsoft Teams Developer Portal

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 API and SDKs.

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

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



AI Guide Dog: How Technology Boost Accessibility

RieMoriguchi on Feb 06 2024 12:00 AM

Exploring the cloud-based AI Guide Dog prototype and Azure MVP Ejoe Tso's inclusive mindset.

New trends with Microsoft Technology

Updates from Microsoft Industry Blogs



[Manufacturing and mobility • Apr 9
• 5 min read](#)

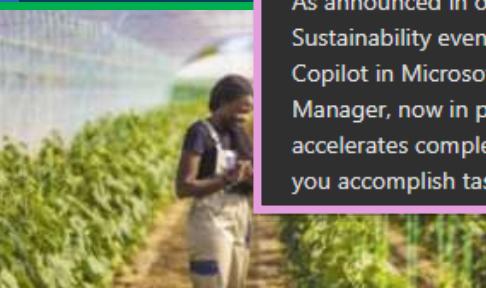
[Industrial transformation:
Scaling AI across the
manufacturing value
chain >](#)

Microsoft commissioned a research report in collaboration with MIT Technology Review Insights to uncover the state of AI adoption, expectations, and challenges to scaling AI in the manufacturing industry.

April 01, 2024 • 6 min read

How responsible AI helps financial services manage risk and assure compliance >

Microsoft AI technologies are well-positioned to assist financial institutions in implementing AI in a way that complies with applicable law and regulations, facilitates effective oversight by senior management and the board of directors, addresses supervisory expectations, and protects customers.



[Sustainability • Mar 28
• 5 min read](#)

[Use natural language and generative AI to create calculation models, streamline data collection, and improve reporting >](#)

As announced in our This is AI ... for Sustainability event in February 2024, Copilot in Microsoft Sustainability Manager, now in preview, simplifies and accelerates complex processes to help you accomplish tasks more efficiently.



[Retail • Apr 2 • 7 min read](#)

[Threefold revolution: The influence of generative AI on retail and consumer goods >](#)

Generative AI provides more possibilities than can be addressed in series of blogs. Understanding what others have done can help guide your thinking and approach. The level of creativity increases daily, and we will all watch the space with anticipation of the most impactful use cases for retail and consumer goods companies.

[Financial services • Apr 9
• 5 min read](#)

[AI for social impact: 3 ways financial services can influence global challenges >](#)

It's clear that generative AI opens new doors to create greater value for customers, the benefits of which are already dramatic across industries. In the unique case of financial services, generative AI also opens opportunities to address global problems that have long challenged almost every segment of society.

[Sustainability • Apr 2 • 4 min read](#)

[World Agri-Tech 2024:
Pioneering agriculture resilience with AI >](#)

Reflecting on our continued momentum with partners and customers, we were excited to work with Bayer, ITC, and Headstorm on a mix of new solutions and announcements that uniquely help to address the needs of farmers and agronomists.

[Retail • Mar 25 • 8 min read](#)

[Unlock the full potential of your next-generation supply chain with Microsoft and Blue Yonder >](#)

Microsoft and Blue Yonder have been at the forefront of a cognitive revolution of supply chain innovation, laying the foundation for a truly intelligent, autonomous supply chain, with a predictive and generative AI copilot, delivering faster and better decision making.



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.

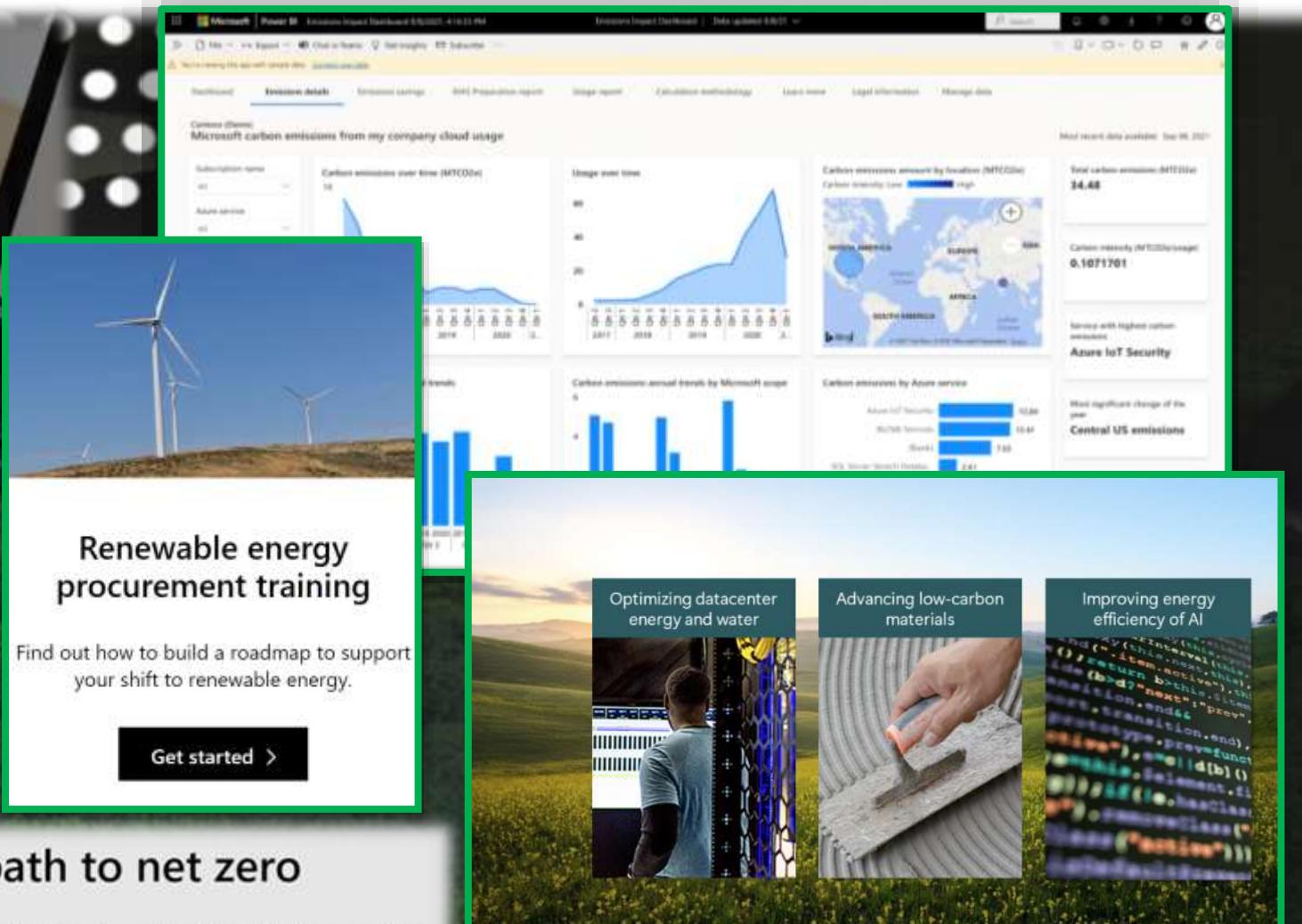
[Get started >](#)

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 >](#)



Apr 2, 2024 | Melanie Nakagawa - Chief Sustainability Officer

[Sustainable by design: Advancing the sustainability of AI >](#)

Azure



Azure Updates

Azure Blog



AI + Machine Learning, Security • 6 min read

Announcing new tools in Azure AI to help you build more secure and trustworthy generative AI applications ›

Sarah Bird

Chief Product Officer of Responsible AI, Microsoft

AI + Machine Learning, Analyst Reports, Azure AI, Virtual Machines

Published April 1, 2024 • 4 min read

New infrastructure for the era of AI: Emerging technology and trends in 2024 ›

By Omar Khan General Manager, Azure Product Marketing

We recently published our Microsoft Azure: The State of AI Infrastructure report. This is the first-ever report of its kind, which discusses the opportunities and challenges associated with leveraging AI infrastructure.

To help customers meet new AI quality and safety challenges, we're announcing new tools now available or coming soon to Azure AI Studio for generative AI app developers.

AI + Machine Learning, Announcements, Azure AI, Azure AI Search

Published April 4, 2024 • 4 min read

Announcing updates to Azure AI Search to help organizations build and scale generative AI applications ›

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

Today, we are announcing that Azure AI Search, a modern retrieval system for AI applications, now has drastically larger vector capacity and compute without any increase in price, so customers can run RAG at any scale, at a lower cost.

Analyst Reports, Announcements, Management and Governance, Microsoft Azure portal

Published April 3, 2024 • 6 min read

Advancing memory leak detection with AIOps—introducing RESIN ›

By Mark Russinovich Chief Technology Officer and Technical Fellow, Microsoft Azure

We are introducing RESIN, an end-to-end memory leak detection service designed to holistically address memory leaks in large cloud infrastructure.

AI + Machine Learning, Announcements, Azure AI, Azure AI Studio, Azure AI Search, Azure Synapse Analytics, Events, Partners

Published March 18, 2024 • 6 min read

Microsoft and NVIDIA partnership continues to deliver on the promise of AI ›

By Ranjith Bogar Corporate Vice President, Azure Hardware Systems and Infrastructure

At NVIDIA GTC, Microsoft and NVIDIA are announcing new offerings across a breadth of solution areas from leading AI infrastructure to new platform integrations, and industry breakthroughs. The news expands our long-standing collaboration, which paved the way for revolutionary AI innovations that customers are now bringing to fruition.

AI + Machine Learning, Azure AI Speech, Azure AI Studio, Azure OpenAI Service, Azure SQL Database

Published April 4, 2024 • 10 min read

What's new in Azure Data, AI, and Digital Applications: Helping you navigate the fast pace of change ›

By Jessica Hawk Corporate Vice President, Data, AI, and Digital Applications, Product Marketing

Our job at Microsoft is to help you understand how the AI era can benefit your organization and trust the AI solutions you deploy are done so safely and responsibly. On that note, here's a look at some of the innovations and updates we've announced recently.

Updates & Announcements

- ❖ [support on Apple Silicon Macs :: Generally Available](#)
- ❖ [New RBAC roles for Azure savings plan for compute now available](#)
- ❖ [Extensible key management using Azure Key Vault for SQL Server on Linux :: Generally Available](#)
- ❖ [Virtual private network \(VPN\) with Azure Managed Instance for Apache Cassandra :: Generally Available](#)
- ❖ [Defender for Cloud supports Azure Database for MySQL - Flexible Server :: Generally Available](#)
- ❖ [Mirroring Azure Cosmos DB in Microsoft Fabric :: Public Preview](#)
- ❖ [Azure Load Testing availability in Fairfax \(USGov Virginia\)](#)
- ❖ [Azure Synapse Runtime for Apache Spark 3.4 is now GA](#)
- ❖ [Backup and restore of virtual machines with private endpoint enabled disks :: Public Preview](#)
- ❖ [Azure Virtual Network Manager Security Admin Rule generally available in 45 regions](#)
- ❖ [Azure Logic Apps connectors for IBM Mainframe and Midranges](#)
- ❖ [Azure OpenAI and AI Search in-app connectors for Logic Apps \(Standard\) :: Public Preview](#)
- ❖ [ExpressRoute Metro for High Resiliency :: Public Preview](#)
- ❖ [Azure Backup enables vaulted backups for Azure Files for comprehensive data protection. :: Public Preview](#)

AI + Machine Learning, Azure Compute, Azure Operator News, Partners, Thought Leadership • Published April 8, 2024 • 8 min read

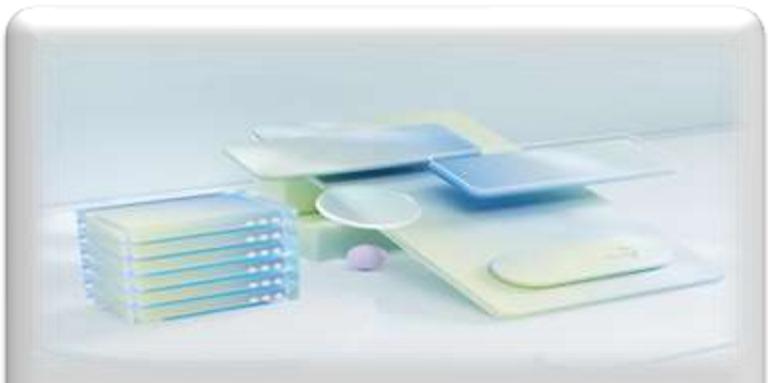
Empowering operators through generative AI technologies with Azure for Operators ›

By Virtus Balaji Technical Fellow and Chief Technology Officer, Azure for Operators

Within Azure for Operators, we are taking advantage of the significant investments Microsoft has made and its expertise in programming foundation models by developing technical solutions that will give our customers a competitive advantage.



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

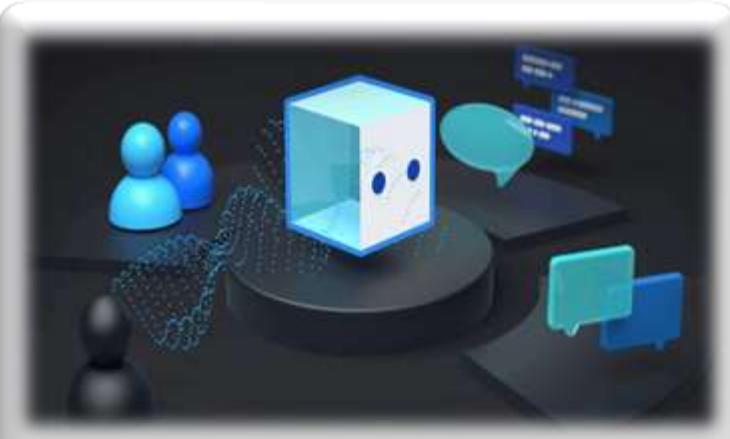


Azure Operator Nexus

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

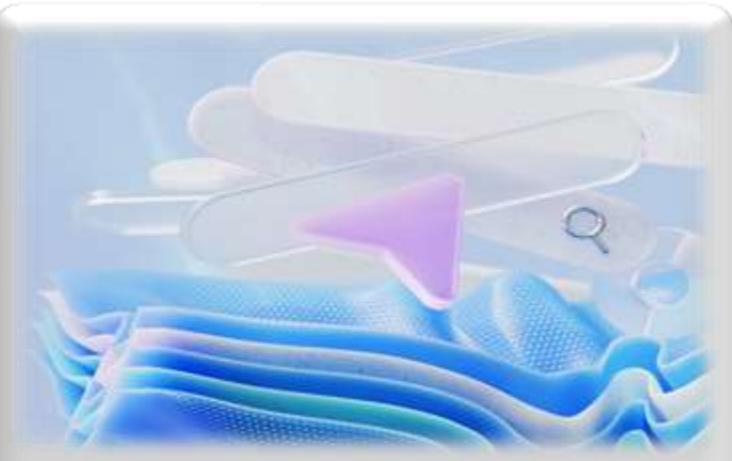


Azure AI Content Safety

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.](#)

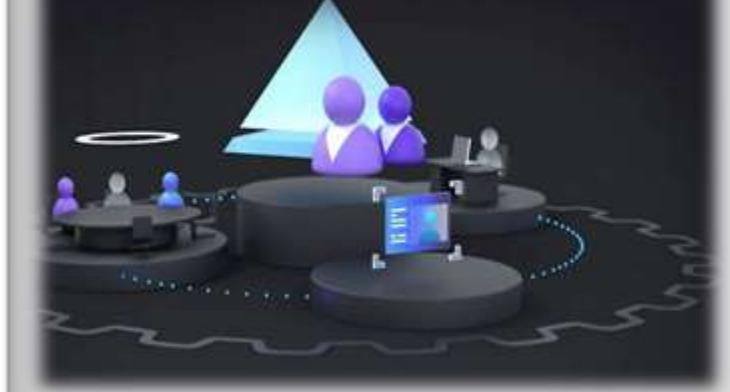


Azure AI Studio

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

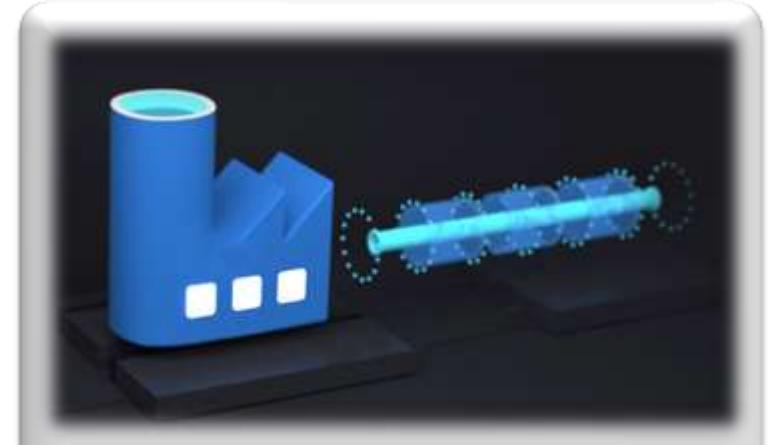


Azure AI Document Intelligence

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



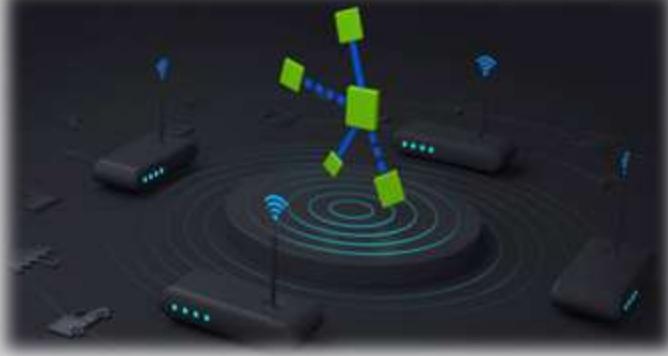
Azure Data Factory

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

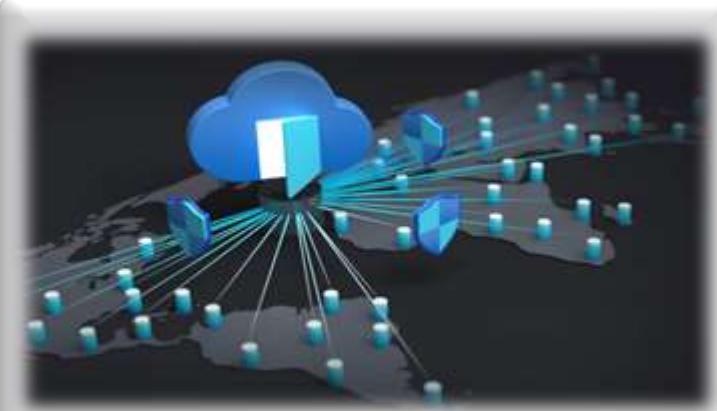


Azure Private 5G Core

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

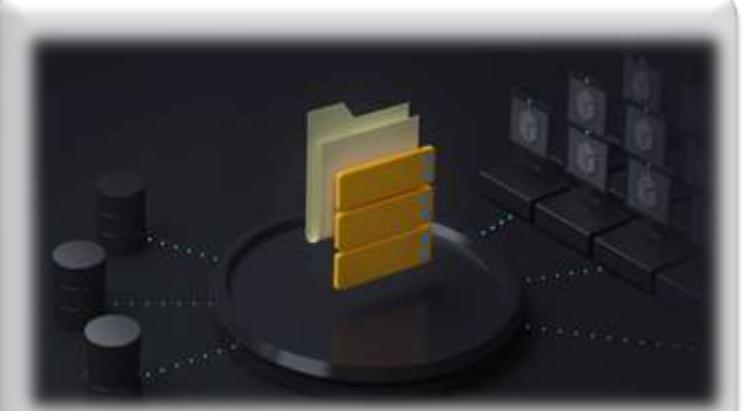


Microsoft Azure Attestation

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

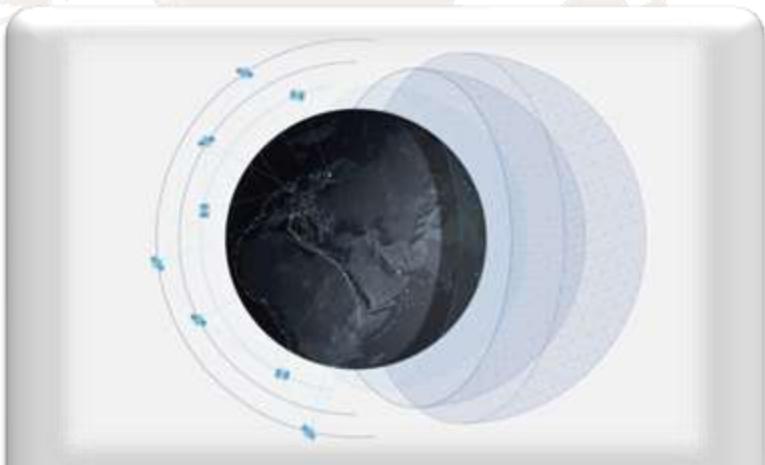
Run High-Performance, File-based workloads in the cloud

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.

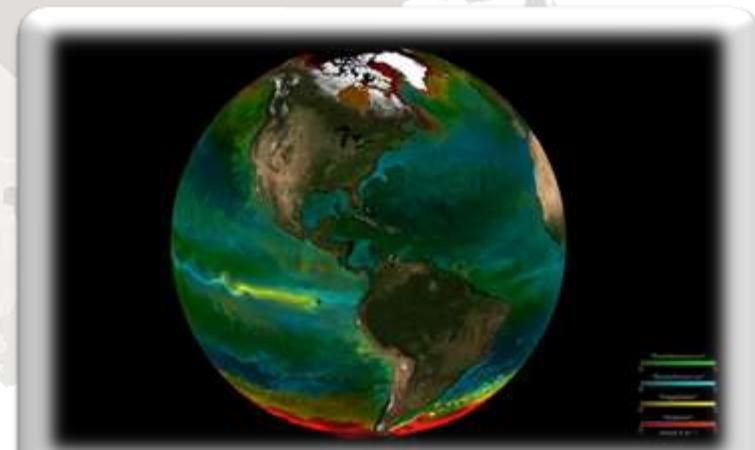


Azure Orbital Ground station

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

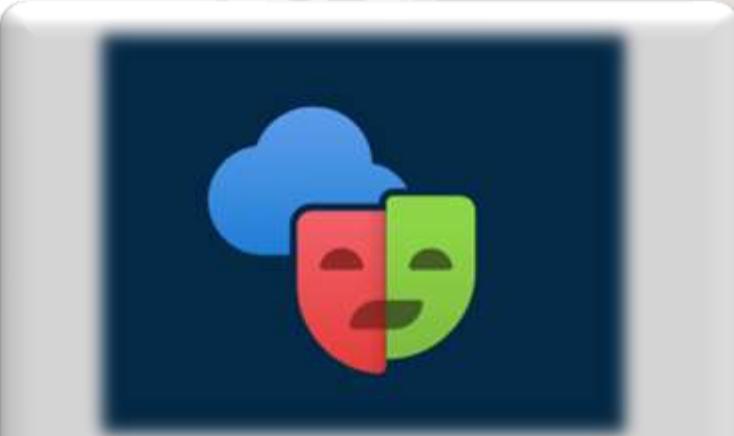


Azure AI Search

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 data and analytics tools. At the top, there's a navigation bar with tabs: 'Complete data platform' (selected), 'Lake-centric and open', 'Built for a data culture', and 'Powered by AI'. Below the navigation are four main sections: 'Overview', 'Single experience', 'Governance and security', and 'Unified capacity'. The 'Unified capacity' section includes a sub-section about simplifying billing and reducing costs through a single pool of capacity and storage. To the right, there are several cards for different services: 'Data engineering' (with a 'Learn how' button), 'Data science' (with a 'Learn how' button), 'Data warehouse' (with a 'Learn how' button), 'Real-time analytics' (with a 'Learn more' button), 'Data monitoring and action' (with a 'Learn more' button), and 'Business intelligence' (with a 'Learn more' button). The bottom left shows a detailed view of the Microsoft Fabric data dashboard, featuring a circular chart of data items and tables for endorsed items by workspace and certified vs promoted items.

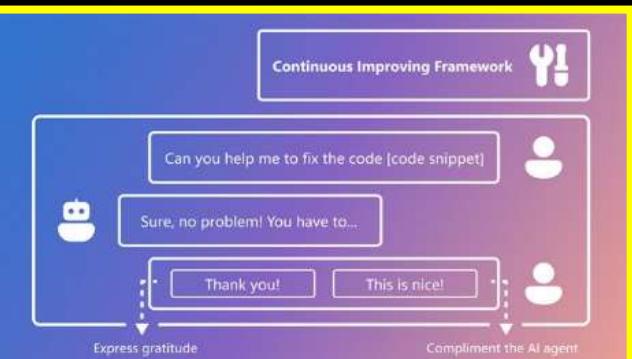
Microsoft Research Blog



Research Focus: Week of April 1, 2024 >

April 3, 2024

In this issue: New research helps COMET embrace African languages; FeatUp improves deep features, a computer vision research cornerstone; LLMs in the...



[Learning from interaction with Microsoft Copilot \(web\) >](#)

March 27, 2024

Microsoft researchers are taking a comprehensive and dynamic approach to help Copilot (web) continuously learn from interaction and feedback, improving the AI system and making it increasingly useful for consumers. Learn more.

RESEARCH FOCUS APRIL 01, 2024



[Scaling early detection of esophageal cancer with AI >](#)

March 11, 2024 | [Anton Schwaighofer](#) and [Javier Alvarez-Valle](#)

Microsoft Research and Cyted have collaborated to build novel AI models (opens in new tab) to scale the early detection of esophageal cancer. The AI-supported methods demonstrated the same diagnostic performance as the existing manual workflow, potentially reducing the pathologist's workload by up to 63%....



[Introducing Garnet – an open-source, next-generation, faster cache-store for accelerating applications and services >](#)

March 18, 2024 | [Badrish Chandramouli](#)

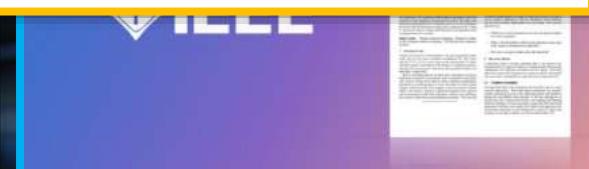
Garnet is a cache-store system that addresses growing demand for data storage to support interactive web applications and services. Offering several advantages over legacy cache-stores, Garnet is now available as an open-source download.



[Intelligent monitoring: Towards AI-assisted monitoring for cloud services >](#)

March 19, 2024

Integrating AI into cloud service monitoring improves incident detection accuracy, reduces unnecessary alerts, and enhances overall system reliability. This helps organizations better align with business goals and increase customer satisfaction.

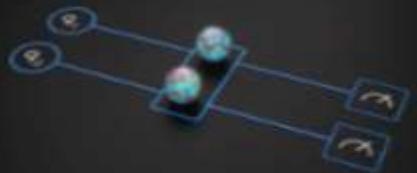


[Exploring how context, culture, and character matter in avatar research >](#)

March 18, 2024 | [Marta Wilczkowiak \(SHE/HER\)](#), [Sean Rintel](#), and [Mar Gonzalez-Franco](#)

As avatar use expands in digital spaces, advances are required to better represent all people. Discover how research into the varying perceptions of facial animation glitches in low versus high realism scenarios supports this goal.

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

By [Krysta 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.

Apr 8, 2024 | Lukas Velush

Driving Microsoft Goals usage at Microsoft with Microsoft Viva Engage

Employees worldwide are embracing flexible work, seeking work-life balance, and pursuing purpose and fulfillment in careers. Employers want to support their team and maximize efficiency as much as possible—particularly around key objectives. Here at Microsoft, we're using objectives and key results (OKRs) in Microsoft Viva Goals to align our team priorities with our overarching business...

Apr 8, 2024 | Lori Lamkin

The power of AI in Microsoft Sales Copilot: Insights from Lori Lamkin and Nathalie D'Hers

Join me, Lori Lamkin, and my esteemed colleague Nathalie D'Hers, as we take you on an extraordinary journey through the development, deployment, and continuous improvement of Microsoft Sales Copilot. As the Corporate Vice President (CVP) of Dynamics 365 Customer Experiences, I bring extensive leadership experience and strategic vision to guide the product team responsible for...

Apr 5, 2024 | Lukas Velush

How Microsoft moved its large meetings online with live events in Microsoft 365

[Editor's note: This content was written to highlight a particular event or moment in time. Although that moment has passed, we're republishing it here so you can see what our thinking and experience was like at the time.] When it became clear that Microsoft was going to ask its employees to work remotely, Kimberly Nafziger...

Apr 1, 2024 | Inside Track staff

Instrumenting ServiceNow with Microsoft Azure Monitor

At Microsoft we have integrated our ServiceNow environment with Microsoft Azure Monitor to create a comprehensive, end-to-end monitoring solution that helps us to ensure performance, reliability, and service excellence across our ServiceNow environment. Combining ServiceNow with Azure Monitor helps us monitor the availability, performance, and usage of the ServiceNow platform and provide actionable insights to...

Apr 3, 2024 | Lukas Velush

Empowering employee self-service with guardrails: How we're using sensitivity labels to make Microsoft more secure

At Microsoft, empowering our employees to do their best work means trusting them with self-determination. But to do that safely, we need clear data loss prevention systems in place. We describe it as self-service with guardrails. Giving employees that level of freedom relies on a robust governance strategy across our data estate that features employee-facing...

Mar 27, 2024 | Lukas Velush

Simplifying external staff management by extending SAP SuccessFactors on SAP Business Technology Platform

Our core system for managing our external workforce was showing its age in an increasingly demanding modern workplace environment—we needed to simplify our external staff management. Here at Microsoft, our large and diverse external, non-FTE...

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](#)

On the Brink: Microsoft Security Immersion Event

05/07/2024 | 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](#)

[Registration and details](#)

Microsoft 365

Microsoft 365 Virtual Training Day: Manage Windows and Surface Devices with Intune

Discover how to accelerate the deployment and adoption of advanced endpoint management tools.

Date & Time: Wed 08 May 2024, 12:00 PM - Thu 09 May 2024, 12:00 PM

Timezone: EDT

Country: Canada

Skill Level: Intermediate

[Register >](#)

Azure

Microsoft Azure Virtual Training Day: Migrate and Modernize SAP on the Microsoft Cloud

Learn about a range of SAP migration paths to Azure and see how to improve your infrastructure and increase operational value using Microsoft security, data, and AI tools.

Date & Time: Thu 02 May 2024, 12:00 PM - 03:15 PM

Timezone: EDT

Country: Canada

Skill Level: Intermediate

[Register >](#)

Security

Microsoft Security Virtual Training Day: Security, Compliance, and Identity Fundamentals

Explore the basics of security, compliance, and identity – including best practices to help protect people and data against cyberthreats for greater peace of mind.

Date & Time: Tue 07 May 2024, 12:00 PM - Wed 08 May 2024, 12:00 PM

Timezone: EDT

Country: United States

Skill Level: Beginner

[Register >](#)

Security Copilot: bringing the power of AI to security

05/02/2024 | 09:00 - 10:00 (CDT)

Digital

English (United States)

Workshop

We are excited to invite you to our upcoming webinar on the 2nd of May from 16:00 till 17:00 CET, where we will...

[Show more](#)

[Registration and details](#)



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 structured learning path for Azure, starting from basic concepts and progressing through various services like Compute, Storage, and Networking.

<https://aka.ms/ESIAzureTrainingJourney>

Microsoft Security Operations Analyst

This pathway focuses on Microsoft's security operations, covering topics like threat hunting, incident response, and security automation.

<https://aka.ms/Pathways>

Microsoft Security, Compliance, and Identity Training Journey

This pathway covers Microsoft's security, compliance, and identity offerings, including Azure AD and Microsoft Defender.

<https://aka.ms/ESISecurityTrainingJourney>

Azure AI Engineer Learning Pathway

This pathway is designed for AI engineers, covering Azure Cognitive Services, Machine Learning, and AI infrastructure.

<https://aka.ms/Pathways>

Fabric Learning Companion

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

<https://aka.ms/Pathways>

Microsoft Learning and Training :: Learning Blog



CAREER PATHS



Find your career path

Learn more about career paths that intrigue you, follow the guided training paths to help you get certified, and get connected to help reach your career goals.

[Explore career paths](#)

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

[+ Add](#)

MODULE

Automate development tasks by using GitHub Actions



⌚ 49 min

Beginner • DevOps Engineer • GitHub

[+ Save](#)

[+ Add](#)

LEARNING PATH

Develop Generative AI solutions with Azure OpenAI Service



⌚ 5 hr 34 min

Azure • AI Engineer • Intermediate

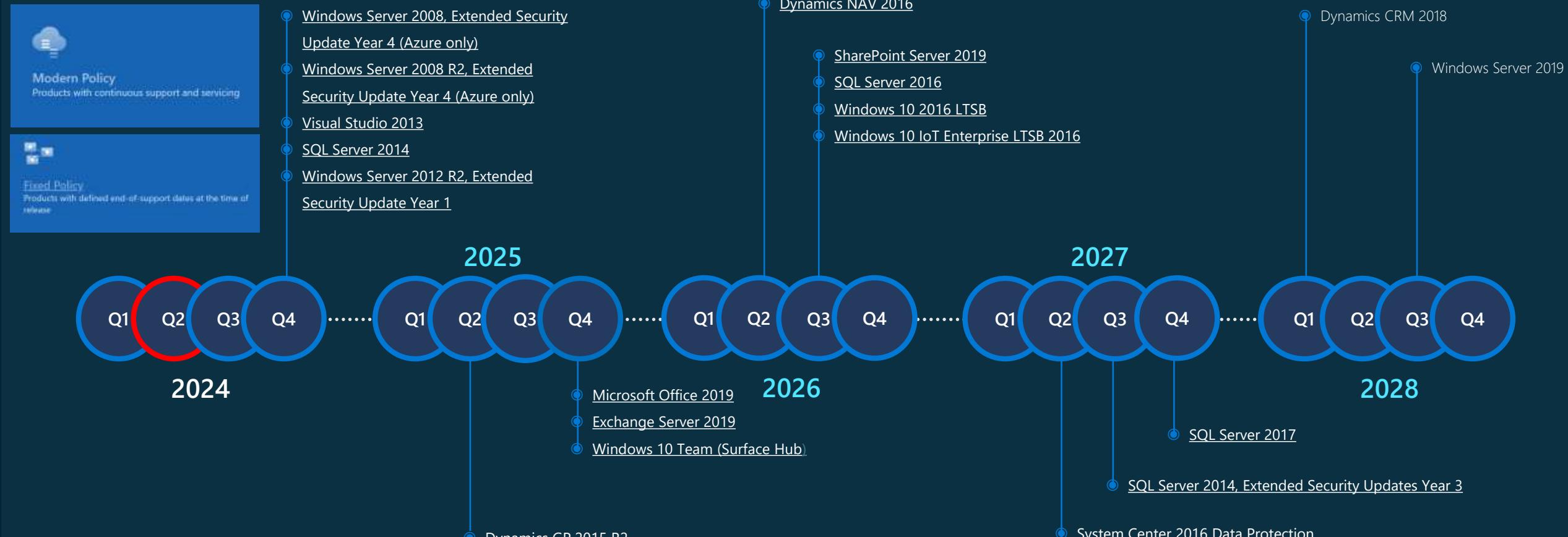
[+ Add](#)

Product Lifecycles





End of Service Roadmap to 2028



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

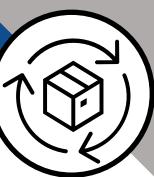
Microsoft Lifecycle Policy Details (<https://support.microsoft.com/en-us/lifecycle>)

** 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
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

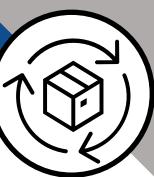
Export lifecycle data for all products by clicking below:

[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
Windows 11 Enterprise and Education, Version 22H2 Windows 11 IoT Enterprise, Version 22H2	October 14, 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	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



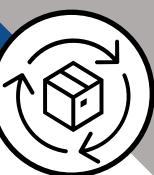
Products Moving to Extended Support for 2024

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	Azure Item	Retirement	Azure Item	Retirement
Select Batch images	January 9, 2024	App Service Environment v1 and v2	August 31, 2024	Python 3.8 on App Service	October 1, 2024
Azure Active Directory Connect version retirement (2021)	February 29, 2024	Azure Automation Agent-based user Hybrid Runbook Worker		Azure Cache for Redis TLS 1.0/1.1	October 31, 2024
Azure Application Gateway analytics solution		Azure Automation Update Management		Flexible PG 11 retirement	November 9, 2024
Azure Batch rendering VM images & licensing		Azure Cache for Redis Cloud Services		Single Server PostgreSQL 11	
Azure Batch Transcription and Customization Rest API v2		Azure Functions Azure Cosmos DB V3 Extension Retirement		.NET 6 LTS on App Service	November 12, 2024
Azure Data Lake Analytics		Azure Monitor Log Analytics Agent		Azure Spatial Anchors	November 20, 2024
Azure Data Lake Storage Gen 1		Azure Monitor Multi Step WebTest		PHP 8.1 on App Service	November 25, 2024
Azure Media Services v2 API		Azure Monitor Release Annotations using API keys			
Azure Network Watcher Connection Monitor (classic)		Change Tracking with LA (Log Analytics) Agent			
Azure Stack Edge Pro FPGA		Classic Storage Account			
AzureRM Powershell modules		Cloud Services - Integration Service Environment (ISE)			
Classic alerts in Azure Monitor for Gov cloud		Cloud Services (RDCE)			
Classic alerts in Azure Monitor for Mooncake		HPC Pack burst to Cloud services			
Classic Application Insights		RDCE networking resources (classic)			
Classic Azure Migrate		Retirement of Azure Cosmos DB .NET SDK (Cosmos DB)			
Cognitive Services Text Analytics v2.x		Synapse Analytics Data Flows Compute Optimized SKU			
Jenkins plug-ins for Azure		Text To Speech (Standard Voice)			
Legacy Azure Kubernetes Services AAD integration		Virtual Machines Basic and Standard A-series AV1			
Standard version of Custom Voice		Virtual Machines HB Series			
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	Azure Storage for Go blob Track 1 SDK	September 13, 2024		
Changes to My Groups admin controls	March 31, 2024	Azure Storage for Go file Track 1 SDK			
Select Batch Pool Autoscale Statistics		Azure Storage for Go queue Track 1 SDK			
.NET 7 on App Service	May 13, 2024	Microsoft Azure Storage Track 1 SDK for Java			
Azure Media Services	June 30, 2024	Retirement of Azure Storage Android Track 1 SDK			
Azure Video Indexer adjustments due to Azure Media Services retirement		Retirement of Azure Storage Ruby Track 1 SDK			
		Azure database for MySQL Single Server	September 16, 2024		
		Automatic configuration of LVM for CycleCloud Volume mounts	September 30, 2024		
		Azure Monitor Application Insights Python OpenCensus SDK			
		Azure Sphere CLI V1			
		BeeGFS filesystem cluster type			
		HTCondor scheduler cluster type			
		Pool list usage metrics API			
		Task authentication token			

Microsoft Product Lifecycle: Azure Changes 2025



Azure Item	Retirement
“Global ingestion endpoints” (resulting in Instrumentation Key deprecation)	March 15, 2025
Azure Database for PostgreSQL - Single Server	March 28, 2025
Application Insights ‘instrumentation key’ based global ingestion Azure Time Series Insights Container Monitoring solution QnAMaker Service V1 Retirement of Platform Enabled DR for App Service Web Apps	March 31, 2025
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 Unmanaged Disks VPN Gateway Standard and High-Performance SKUs	September 30, 2025
Language Understandings (Luis) v1 deprecation	October 1, 2025



Acquisitions and Announcements

Microsoft Acquisitions - 2024



Company	Date	Description
		No Acquisitions Yet for 2024

Microsoft Acquisitions - 2023



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

Microsoft Acquisitions - 2022



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

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- [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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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...

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BlueHat October 2023 Call for Papers is Now Open!

Microsoft Product Ninja Trainings

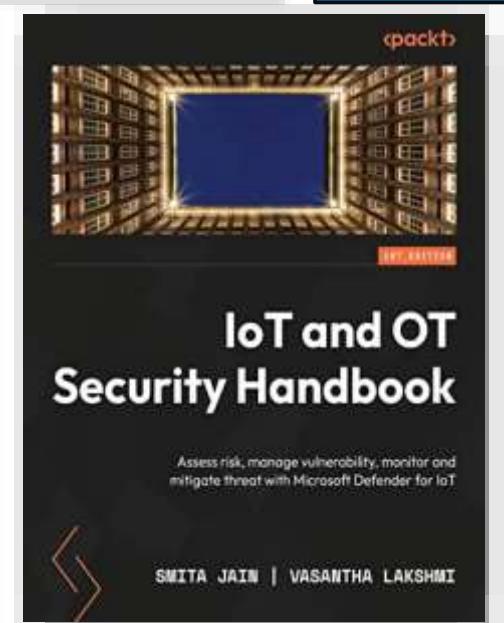
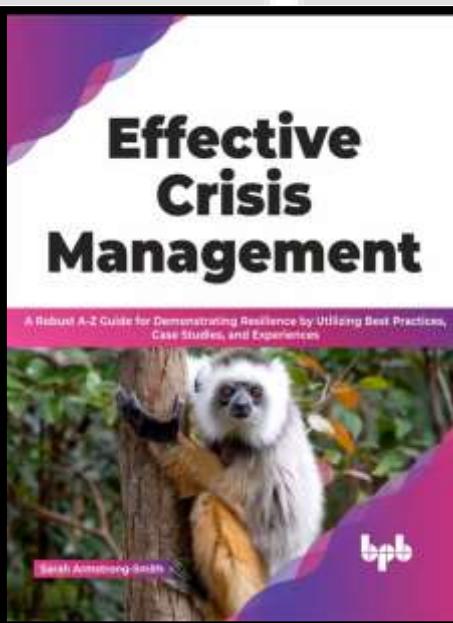
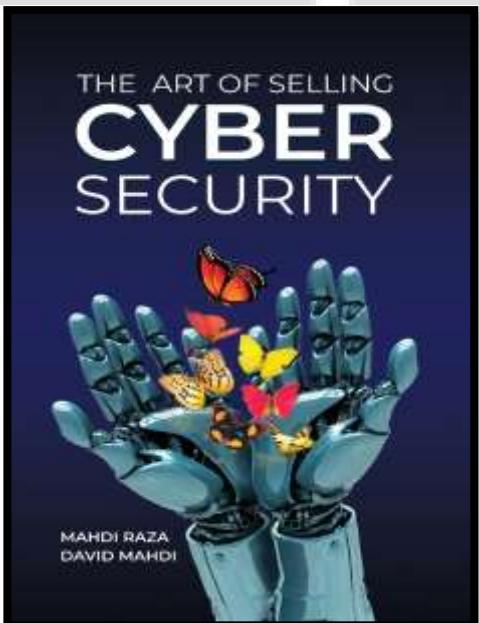
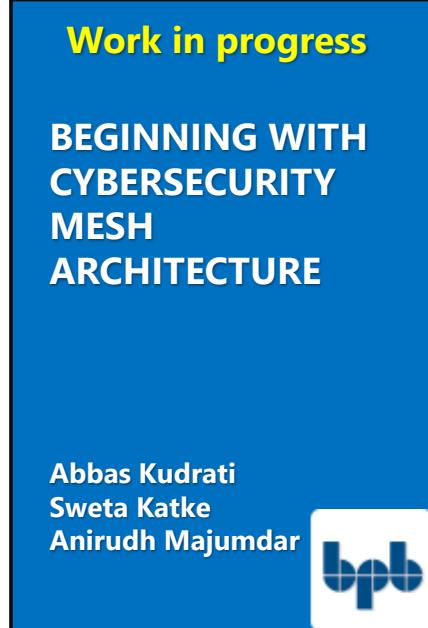
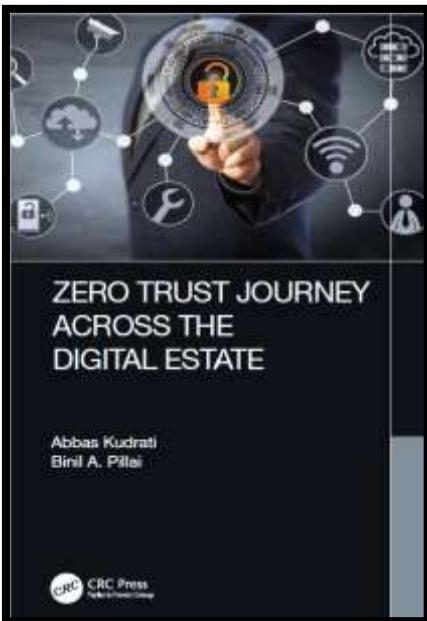
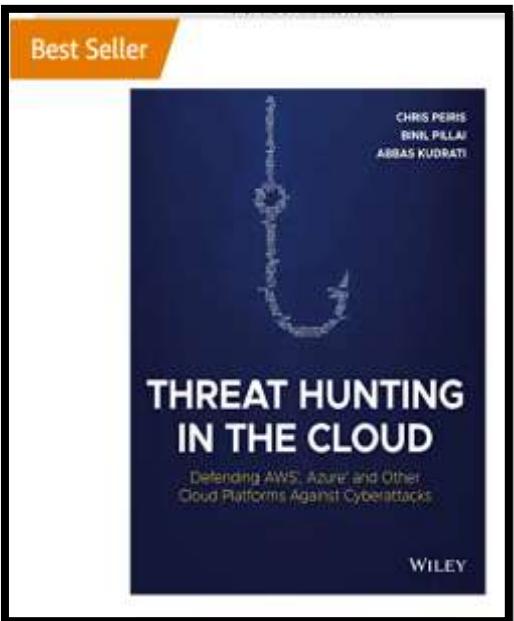
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