



Monthly Tech Briefing

OCTOBER 2024



Abbas Kudrati
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<https://aka.ms/abbas>

- [Digital Event: Future of VMware is in Azure](#)
- [GitHub Universe – October 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

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



Trends with Microsoft Industry Solutions

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

- [Office Updates](#)
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- [Power Platform Templates](#)
- [GitHub Updates](#)
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- [Office Developer Blog](#)



Microsoft 365 update information



Product Lifecycles

- [Products Reaching End of Support in 2024-2028](#)
- [Companies and Technologies Acquired Since 2018](#)



10th anniversary

UNIVERSE24

Global developer event

• San Francisco, CA

• October 29-30

[Get tickets](#) ↗

[Watch the trailer](#) ↗



Where AI and security transform
the developer experience.

3500+
Attendees

150+
Speakers

100+
Sessions

35+
Featured partners

Microsoft AI Tour

Join experts, industry leaders, and peers to explore the ways AI can drive growth and create lasting value at this free, one-day event.

Sydney

December 11, 2024

[Request to attend >](#)

Auckland

December 12, 2024

[Request to attend >](#)

Mumbai

February 24, 2025

[Coming soon >](#)

Seoul

March 26, 2025

[Coming soon >](#)

Tokyo

March 27, 2025

[Coming soon >](#)



Experience the latest innovations for AI transformation

Discover solutions that help modernize and manage intelligent apps, safeguard data, and accelerate productivity, while connecting with partners and growing your community or business.

In Chicago

November 19-22, 2024

Optional Pre-day: Afternoon of November 18, 2024

Online

November 19-21, 2024

[Register for Microsoft Ignite >](#)

[Convince your manager ↓](#)

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 >](#)

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.

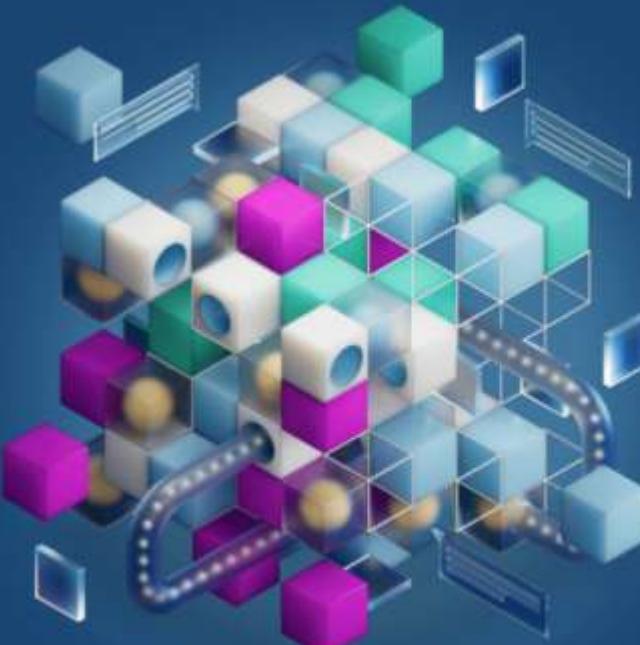
3. Large language models

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.

10 (more) AI terms everyone should know

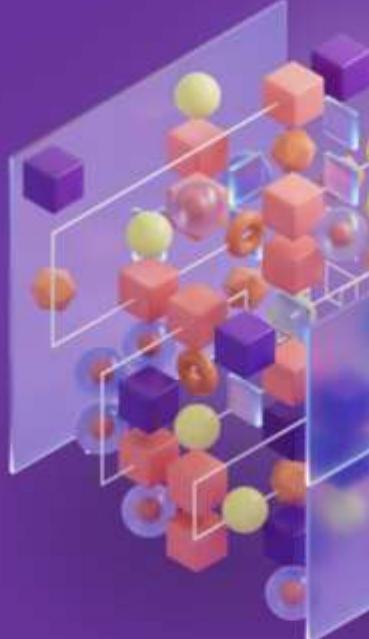
by Susanna Ray

SLM/small language model

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

Training/inference

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



Retrieval Augmented Generation (RAG)

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

Transformer models and diffusion models

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

Updates of Security and Compliance



Microsoft Security Blog

News Secure Future Initiative (SFI) · Sep 23 · 5 min read

Securing our future: September 2024 progress update on Microsoft's Secure Future Initiative (SFI) >

Since the Secure Future Initiative (SFI) began, we've dedicated the equivalent of 34,000 full-time engineers to SFI—making it the largest cybersecurity engineering effort in history. And now, we're sharing key updates and milestones from the first SFI Progress Report.

Events Data security Microsoft Purview · Sep 25 · 5 min read

Activate your data responsibly in the era of AI with Microsoft Purview >

We are announcing preview for Microsoft Purview Information Protection to restrict content in Microsoft Fabric with sensitivity labels and Microsoft Purview Data Loss Prevention policies for lakehouses, and spotlighting our recent general availability of Microsoft Purview Data Governance solution.

Best practices Security management Microsoft Defender · Oct 11 · 6 min read

Microsoft's guidance to help mitigate Kerberoasting >

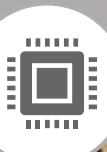
Kerberoasting, a well-known Active Directory (AD) attack vector, enables threat actors to steal credentials and navigate through devices and networks. Microsoft is sharing recommended actions administrators can take now to help prevent successful Kerberoasting cyberattacks.

Best practices Security management · Oct 1 · 4 min read

Cybersecurity Awareness Month: Securing our world—together >

To help our global cyberdefenders, Microsoft has put together the Be Cybersmart Kit, designed to educate everyone, on best practices for going passwordless, not falling for sophisticated phishing or fraud, device protection, AI safety, and more.

Microsoft Security Response Center



Threat intelligence Threat actors · Oct 10 · 12 min read

Cyber Signals Issue 8 | Education under siege: How cybercriminals target our schools >

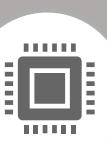
This edition of Cyber Signals delves into the cybersecurity challenges facing classrooms and campuses, highlighting the critical need for robust defenses and proactive measures. From personal devices to virtual classes and research stored in the cloud, the digital footprint of school districts, colleges, and universities has multiplied exponentially.

News Analyst reports Microsoft Defender for Endpoint · Sep 25 · 5 min read

Microsoft is named a Leader in the 2024 Gartner® Magic Quadrant™ for Endpoint Protection Platforms >

Gartner® names Microsoft a Leader in Endpoint Protection Platforms—a reflection, we believe, of our continued progress in helping organizations protect their endpoints against even the most sophisticated attacks, while driving continued efficiency for security operations center teams.

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

Education

View all industries

Devices with encounters:
4,744,278 (81.77%)



[Research](#) [Threat intelligence](#) [Microsoft Defender XDR](#) [Business email compromise](#) · Oct 8 · 9 min read

File hosting services misused for identity phishing >

Since mid-April 2024, Microsoft has observed an increase in defense evasion tactics used in campaigns abusing file hosting services like SharePoint, OneDrive, and Dropbox. These campaigns use sophisticated techniques to perform social engineering, evade detection, and compromise identities, and include business email compromise (BEC) attacks.

[Research](#) [Threat intelligence](#) [Microsoft Defender](#) [Attacker techniques, tools, and infrastructure](#) · Sep 26 · 20 min read

Storm-0501: Ransomware attacks expanding to hybrid cloud environments >

Microsoft has observed the threat actor tracked as Storm-0501 launching a multi-staged attack where they compromised hybrid cloud environments and performed lateral movement from on-premises to cloud environment, leading to data exfiltration, credential theft, tampering, persistent backdoor access, and ransomware deployment.

Microsoft Security Response Center

Education

Top threats:

HackTool:Win32/AutoKMSlpz
HackTool:Win32/AutoKMS
HackTool:MSIL/AutoKmslpz
HackTool:Win32/Keygen
Trojan:Win32/Wacatac.B!ml

Worldwide

67,602,815 devices with encounters

Top threats:

PUA:Win32/Softcnapp
HackTool:Win32/AutoKMS
Trojan:Win32/Wacatac.B!ml
HackTool:Win32/Keygen
PUA:Win32/Packunwan

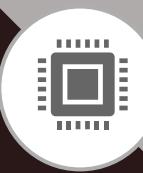
[Research](#) [Threat intelligence](#) [Microsoft Defender](#) [Vulnerabilities and exploits](#) · Oct 17 · 9 min read

New macOS vulnerability, "HM Surf", could lead to unauthorized data access >

Microsoft Threat Intelligence uncovered a macOS vulnerability that could potentially allow an attacker to bypass the operating system's Transparency, Consent, and Control (TCC) technology and gain unauthorized access to a user's protected data. The vulnerability, which we refer to as "HM Surf", involves removing the TCC protection for the Safari browser directory and modifying a [...]

Tracked activity

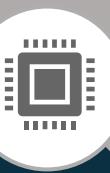
- Nation-state actors
- Ransomware groups
- Cyber mercenaries
- or private sector offensive actors
- Storm-#### designations refer to emerging or developing clusters of threat activity.



Microsoft :: Threat Intelligence Blog



Microsoft Threat Monitor :: Security Insiders



Threat actor insights

Microsoft Threat Intelligence is actively tracking threat actors across observed nation state, ransomware, and criminal activities. These insights represent publicly published activity from Microsoft threat researchers and provide a centralized catalog of actor profiles from the referenced blogs.

Manatee Tempest

Manatee Tempest (formerly DEV-0243) is a threat actor that is a part of the ransomware as a service (RaaS) economy, partnering with other threat actors to provide custom Cobalt Strike loaders.

Forest Blizzard

Forest Blizzard (formerly STRONTIUM) uses a variety of initial access techniques including exploiting vulnerable to web facing applications and, to obtain credentials, spear phishing and the deployment of an automated password spray/brute force tool operating through TOR

Pistachio Tempest

Pistachio Tempest (formerly DEV-0237) is a group associated with impactful ransomware distribution. Microsoft has observed Pistachio Tempest use varied ransomware payloads over time as the group experiments with new ransomware as a service (RaaS) offerings, from Ryuk and Conti to Hive, Nokoyawa, and, most recently, Agenda and Mindware.

Wine tempest

Wine Tempest (formerly PARINACOTA) typically uses human-operated ransomware for attacks, mostly deploying the Wadhrama ransomware. They are resourceful, changing tactics to match their needs and have used compromised machines for various purposes, including cryptocurrency mining, sending spam emails, or proxying for other attacks.

Crimson Sandstorm

Crimson Sandstorm (formerly CURIUM) actors have been observed leveraging a network of fictitious social media accounts to build trust with targets and deliver malware to ultimately exfiltrate data.

Nylon Typhoon

Nylon Typhoon (formerly NICKEL) uses exploits against unpatched systems to compromise remote access services and appliances. Upon successful intrusion, they have used credential dumpers or stealers to obtain legitimate credentials, which they then used to gain access to victim accounts and to gain access to higher value systems.

Gray Sandstorm

Gray Sandstorm (formerly DEV-0343) conducts extensive password spraying emulating a Firefox browser and using IPs hosted on a Tor proxy network. They typically target dozens to hundreds of accounts within an organization, depending on the size, and enumerate each account from dozens to thousands of times.

Midnight Blizzard

The actor that Microsoft tracks as Midnight Blizzard (NOBELIUM) is a Russia-based threat actor attributed by the US and UK governments as the Foreign Intelligence Service of the Russian Federation, also known as the SVR.

Diamond Sleet

The actor Microsoft tracks as Diamond Sleet is a North Korea-based activity group known to target media, defense, and information technology (IT) industries globally. Diamond Sleet focuses on espionage, theft of personal and corporate data, financial gain, and corporate network destruction.

Hazel Sandstorm

Hazel Sandstorm (formerly EUROPIUM) has been publicly linked to Iran's Ministry of Intelligence and Security (MOIS). Microsoft assessed with high confidence that on July 15, 2022, actors sponsored by the Iranian government conducted a destructive cyberattack against the Albanian government, disrupting government websites and public services.

Volt Typhoon

The actor that Microsoft tracks as Volt Typhoon is a nation-state activity group based out of China. Volt Typhoon focuses on espionage, data theft, and credential access.

Cadet Blizzard

Microsoft tracks Cadet Blizzard (formerly DEV-0586) as a Russian GRU-sponsored threat group that Microsoft began tracking following disruptive and destructive events occurring at multiple government agencies in Ukraine in mid-January 2022.

Caramel Tsunami

Caramel Tsunami (formerly SOURGUM) generally sells cyberweapons, usually malware and zero-day exploits, as a part of a hacking-as-a-service package sold to government agencies and other malicious actors.



Microsoft 365 update information



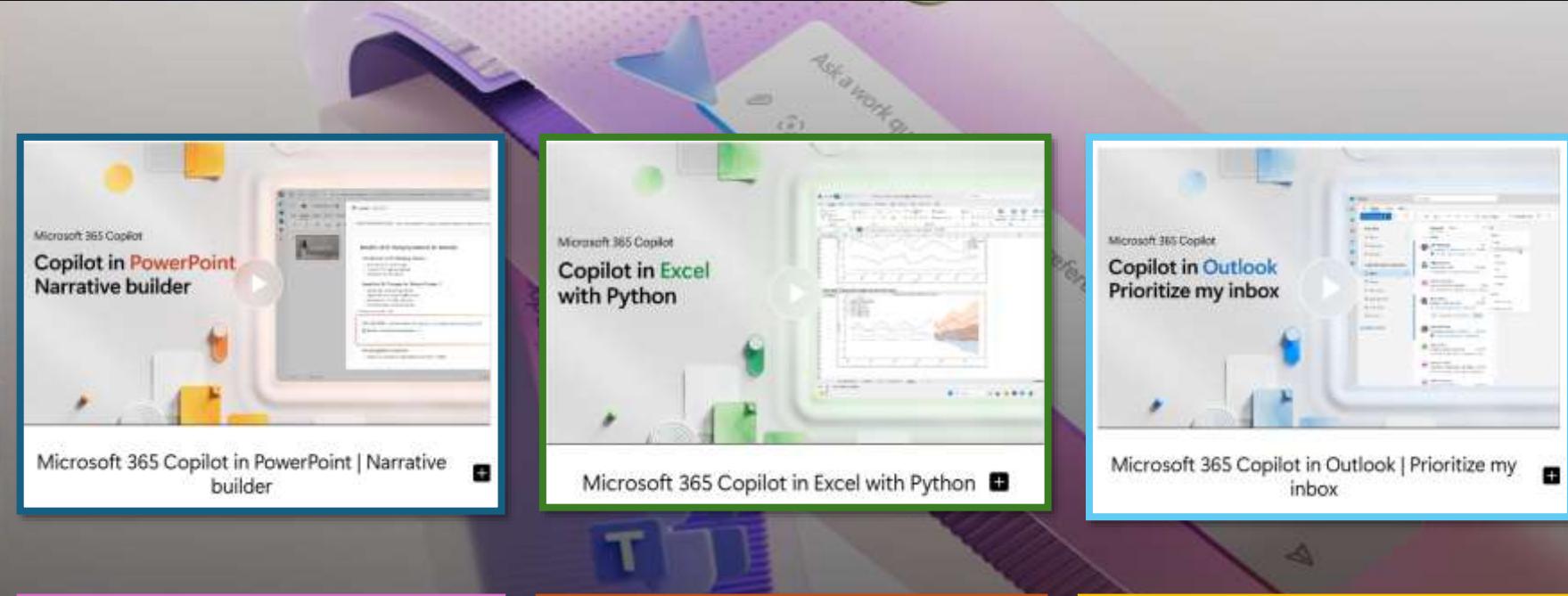
The next phase of Microsoft 365 Copilot innovation



Microsoft

Microsoft 365 Copilot: Wave 2

Play button



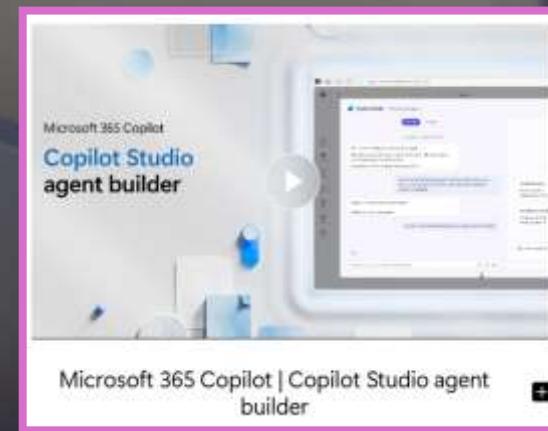
Microsoft 365 Copilot in PowerPoint | Narrative builder

Microsoft 365 Copilot in Excel with Python

Microsoft 365 Copilot in Outlook | Prioritize my inbox

We're launching the next wave of Microsoft 365 Copilot, bringing together web + work + Pages as a new design system for knowledge work.

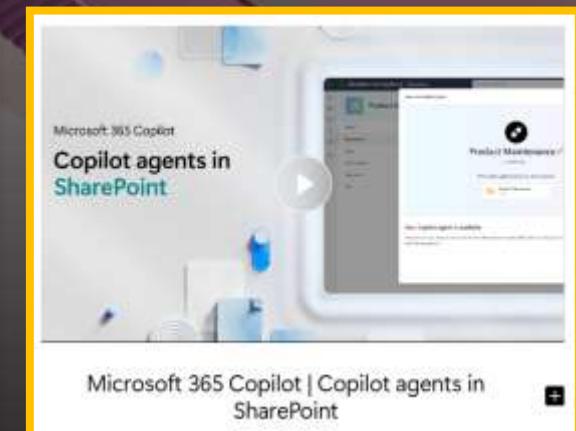
- [Copilot Pages](#)
- [Copilot in Excel](#)
- [Copilot in PowerPoint](#)
- [Copilot in Teams](#)
- [Copilot in Outlook](#)
- [Copilot in Word](#)
- [Copilot in OneDrive](#)
- **Copilot Agents**
- [Copilot Studio Agent Builder](#)
- [Copilot Agents in SharePoint](#)
- [Learning in Copilot Academy](#)



Microsoft 365 Copilot | Copilot Studio agent builder



Microsoft 365 Copilot | Copilot Pages



Microsoft 365 Copilot | Copilot agents in SharePoint

EU Artificial Intelligence Act

1-Aug-2024
EU AI Act into force

1-Aug-2025
Governance rules and obligations for general-purpose AI models become applicable¹

1-Feb-2025
Prohibitions on certain AI practices will take effect¹

1-Aug-2027
Rules for AI systems embedded into regulated products will apply¹

EU AI Act Principles

Categorization

Transparency

Accountability

Conformity assessments

four risk categories

High-risk AI systems must provide clear and comprehensive information about their capabilities and limitations.

High-risk AI systems must be designed to allow for effective human control and responsibility.

High-risk AI systems are subject to mandatory conformity assessments conducted by notified bodies.

Risk Categories

unacceptable risk

High Risk

Limited Risk

Minimal Risk

Microsoft AI

October 10, 2024 • 5 min read

Achieving AI readiness through comprehensive modernization ↗

I'll cover what modernization really means, why it matters for your business, and how to think about modernization as your path to AI value.

 Microsoft Azure Blog

Oct 9 • 5 min read

5 key features and benefits of large language models ↗

Large language models (LLMs) offer significant benefits across various industries by automating and enhancing numerous tasks involving...

Microsoft's advancements in AI are grounded in our company's mission to help every person and organization on the planet to achieve more — from helping people be more productive to helping solve society's most pressing problems.

Oct 8 • 6 min read

How Mexico is pioneering AI innovation for a global future ↗

Recently, the Microsoft AI Tour event in Mexico City highlighted the variety of ways in which AI is enabling Mexico to become a premier innovation hub.

Oct 1 • 8 min read

An AI companion for everyone ↗

We're living through a technological paradigm shift. In a few short years, our computers have learned to speak our languages, see what we see and hear...

Oct 8 • 11 min read

From forecasting storms to designing molecules: How new AI foundation models can speed up scientific discovery ↗

Category: AI October 8, 2024 From forecasting storms to designing molecules: How new AI foundation models can speed up scientific...

Oct 8 • 6 min read

4 foundational ways that AI is transforming government ↗

Government agencies and organizations are moving quickly with AI to reshape the impact of government around the world. Here a...

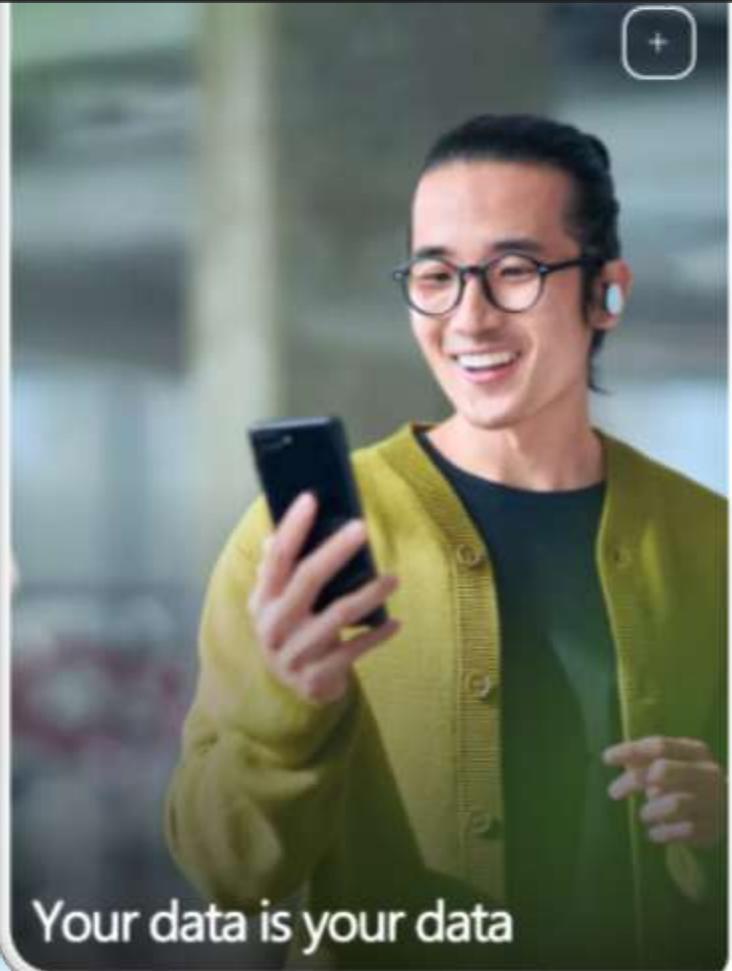


Microsoft AI runs on Trust



Responsible AI

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



Your data is your data

A close-up portrait of a woman with voluminous, curly, reddish-brown hair. She is looking slightly to her left with a thoughtful expression. A small white plus sign is in the top right corner of the image frame.

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. A small white plus sign is in the top right corner of the image frame.

News Secure Future Initiative (SFI) - 7 min read

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

By Charlie Bell, Executive Vice President, Microsoft Security

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

- ❖ [Office LTSC 2024](#) :: Generally Available
- ❖ [OneDrive Updates](#) :: October 2024
- ❖ [Copilot in OneDrive](#) :: Generally Available
- ❖ [SharePoint Roadmap](#) :: September 2024
- ❖ [Microsoft recognized as a Leader in the 2024 Gartner® Magic Quadrant™ for Desktop as a Service](#) for the second year in a row
- ❖ [Windows IT Pro Blog](#)
- ❖ [Microsoft Entra \(Azure AD+\) Blog](#)
- ❖ [Microsoft OneDrive Blog](#)
- ❖ [Microsoft SharePoint Blog](#)
- ❖ [M365 Technical Documentation](#)

Microsoft 365: Small business · Published September 30, 2024 · 2 min read

Office 2024 for consumers available October 1 >

Microsoft 365 is the best way to access the latest versions of the productivity apps that millions of people use every day to bring their ideas to life and power through tasks. But we know some of our customers still prefer a non-subscription way to access our familiar apps, which is why we're releasing Office 2024 on October 1 for consumers and small businesses.

News · Microsoft 365: Enterprise · Published September 16, 2024 · 8 min read

Microsoft 365 Copilot Wave 2: Pages, Python in Excel, and agents >

We are introducing Wave 2 of Microsoft 365 Copilot innovation, with three key updates. From enterprises to small businesses, they help Copilot get better every day. Nearly 1,000 customers have given us direct feedback on Copilot, and we've made more than 700 product updates based on that feedback.

Windows 11, version 24H2: What's new for IT pros

Harjit_Dhaliwal on Oct 01 2024 02:00 PM

Find details on the latest features, enhancements, and deployment tools for commercial organizations.

What's new in Microsoft Entra - September 2024

ShobhitSahay on Oct 08 2024 04:00 PM

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

> Microsoft Teams: Voice isolation on MacOS	Rollout Start: October 2024
> Microsoft Teams: Room audio auto-detect and pre-select in BYOD meeting rooms	Rollout Start: October 2024
> Microsoft Teams: Search - query suggestions	Rollout Start: October 2024
> Microsoft Teams: Refreshed view of all your teams and channels page	Rollout Start: October 2024
> Outlook: Move menu improvements	Rollout Start: October 2024
> Microsoft Teams: Ability to block Attendee Emails from Teams Webinars	Rollout Start: October 2024
> Microsoft Teams: Ability to block Attendee Emails from Teams Town Halls	Rollout Start: October 2024
> Microsoft Viva: Campaign Enhancements - Targeted campaigns and campaigns in the digest.	Rollout Start: September 2024
> Microsoft Teams: Bidirectional support for Teams Live Interpretation	Rollout Start: September 2024
> Microsoft Teams: Use Teams Q&A to collect attendee questions in GCC	Rollout Start: September 2024
> Outlook: Outlook for Mac - Junk/Phishing Reporting Actions Integrated with Microsoft Defender	Rollout Start: September 2024
> SharePoint: Introducing custom fonts for SharePoint	Preview Available: April 2024 Rollout Start: September 2024
> SharePoint: Centrally manage branding for your organization	Preview Available: April 2024 Rollout Start: September 2024
> Microsoft Teams: Latest meeting experiences with performance improvements on web for Safari and Firefox (for anonymous join only)	Rollout Start: September 2024
> Microsoft Viva: Viva Connections - Manage your organization's brand in the new brand center	Preview Available: April 2024 Rollout Start: September 2024
> Microsoft Viva: Introducing custom fonts for SharePoint and Viva Connections Desktop	Preview Available: April 2024 Rollout Start: September 2024
> Microsoft Viva: Create themes for SharePoint and Viva Connections in brand center	Rollout Start: September 2024
> SharePoint: Create themes for SharePoint in brand center	Rollout Start: September 2024
> Microsoft Teams: Custom background on Teams panels	Rollout Start: September 2024
> Microsoft Teams: Share content from webapp (browser) to Teams chats, channels, and meetings	Rollout Start: September 2024



Microsoft Teams Blog:



What's New in Microsoft Teams | September 2024

What's New in Microsoft Teams | September 2024

Pete_Daderko on Sep 30 2024 03:30 PM

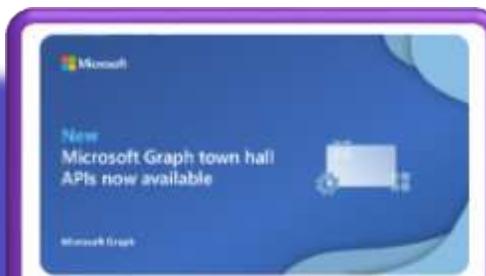
It's September, and the seasons are starting to change. Here in the northern hemisphere the temperature is getting cool...



New VDI solution for Teams on AVD/Windows 365 environments...

Fernando_Klurfan on Sep 23 2024 06:47 PM

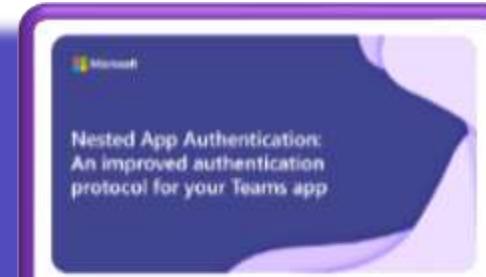
Today Microsoft is excited to announce that the new VDI solution for Teams on Azure Virtual Desktops/Windows 365 environ...



Annie, Sheri Sep 6, 2024

Microsoft Graph APIs for Teams town hall now generally available

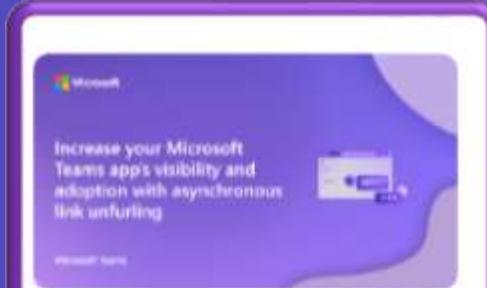
Learn more about the general availability of new Teams town hall APIs and discover what's new.



Chris Yanasak Sep 4, 2024

Introducing Nested App Authentication: An improved authentication protocol for your Teams app

Learn how Nested App Authentication simplifies the authentication process and enables single sign-on across supported Microsoft first-party applications.



Sukhmani, Carter Sep 10, 2024

Increase your Microsoft Teams app's visibility and adoption with asynchronous link unfurling

Learn how to leverage link unfurling for your Microsoft Teams app, now enhanced with asynchronous capabilities.



Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Microsoft Viva Connections



Microsoft Viva Engage



Viva Amplify



Microsoft Viva Insights



Viva Pulse



Viva Glint



Microsoft Viva Goals



Microsoft Viva Learning



Microsoft Viva Topics



Microsoft Viva Sales

Employee
Communication
& Communities

Organization's Social
Network

centralized communication
to the organization

Workplace Analytics
& Feedback

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

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

Goal Setting &
Management

Learning and
Knowledge Management

connecting employees to
knowledge and expertise

Customer &
Sales Insights



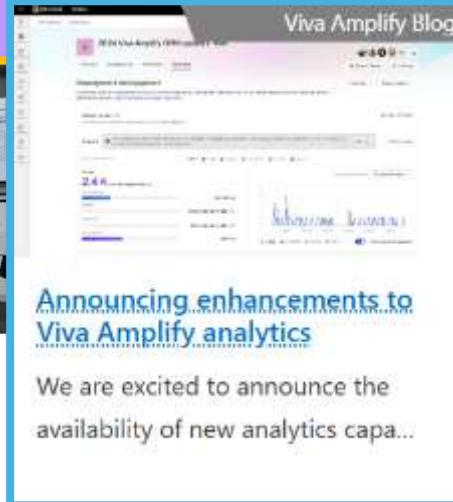
The Domino's Difference: Uniting more than 100,000...

Find out how frontline workers at Domino's can stay connected using Microsoft Viva Engage.



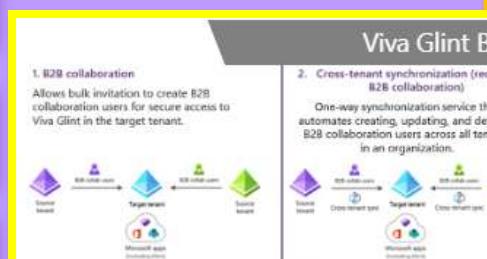
Redefining High Performance in the New Era of Work

Read the latest research and insights from Microsoft on what makes high-performing organizations tick.



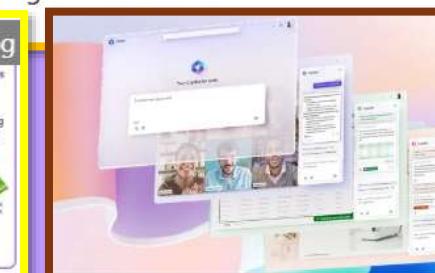
Announcing enhancements to Viva Amplify analytics

We are excited to announce the availability of new analytics capa...



Microsoft 365 Multitenant organization capabilities now...

We are excited to announce that Viva Glint now supports Mic...



Announcing Copilot in Viva Engage

Learn more about Copilot in Viva Engage, equipping leaders with insightful conversation starters based on sentiments and trending topics across workplace...



Improved experience
for Viva Connections
Resources section



Improved experience for Viva Connections Resources sect...

We are excited to announce recent enhancements to the Viva Connec...

Microsoft Power Platform :: Power Platform Blog



Announcement: Microsoft Purview Data Loss Prevention policies have been extended to Fabric lakehouses

Admin

Data loss prevention

Power BI

September 27, 2024 by Yael Biss

Purview data loss prevention policies help you automatically detect sensitive information as it is uploaded into lakehouses in your Fabric tenant and take risk remediation actions.

Copilot · Canvas Apps · Published October 2, 2024 · 2 min read

Use Copilot to quickly filter, sort, and search canvas app galleries with SQL Server >

We are excited to announce that Power Apps application runtime users can now use Copilot to quickly filter, sort, and search the items in canvas app galleries with SQL Server. This feature is in addition to the previously released capability to filter SharePoint canvas galleries.

Power Apps · Announcement · Published October 10, 2024 · 3 min read

Data Workspace is Now Generally Available! >

Data workspace, the ERD data experience with Copilot is now generally available in 9 languages supporting solution and model-driven app.

Published October 4, 2024 · 9 min read

Hyperscale Your Enterprise Business Applications with Microsoft Dataverse >

Over the past three years, the annual growth rate of enterprise data within Fortune 500 companies has been remarkable, driven by an exponential increase in data generation and the strategic imperative to leverage data analytics. The volume of data continues to grow as enterprises build and deploy new applications within their organizations.

September 18, 2024 · 4 min read

AI-powered business innovation with the Power Platform Community >

Welcome to the third annual Power Platform Community Conference (PPCC)! The buzz at the MGM Grand is electric with more than 6,000 of our favorite friends from the Power Platform community gathered here in Las Vegas.

Microsoft Power Automate · Connectors · Published October 7, 2024 · 20 min read

82 new Power Platform connectors and 43 updates to elevate your automation journey >

We're excited to introduce new and enhanced connectors to our existing Power Platform collection. Elevate your integrations to the next level as these connectors are available in Power Automate, Power Apps, and Azure Logic Apps and more.

Admin and Governance · Power Pages · October 9, 2024 · 2 min read

Power Pages Security Features: Enhancing Website Security for Admins in PPAC >

The Power Pages Security Dashboard in PPAC now offers enhanced tools for admins to manage website security with ease. From renewing authentication keys and SSL certificates to running deep scans for vulnerabilities, these new features ensure your websites remain secure and accessible.

Visit our product blogs

Power BI

Power Automate

Microsoft Copilot Studio

Power Pages

Power Apps

Sep 16 · 4 min read

Unveiling agents built with Microsoft Copilot Studio to supercharge your business >

At Microsoft, we understand that every organization is unique, and to get the most out of AI, you will want to customize it for your business's specific needs and processes. Whether you're a user, developer, or IT professional, Microsoft Copilot Studio offers a comprehensive platform for creating, managing, and deploying AI agents.

Microsoft Power Automate · Copilot · September 19, 2024 · 3 min read

Advancing automation with new AI capabilities in Power Automate >

The Power Automate team is committed to empowering you with the most reliable, innovative, and value-driven automation solution available. At the heart of everything we do is our core development principles: harmonious automation, trustworthy and reliable solutions, continuous process excellence, and measurable customer value.

Dynamics and Business Applications

Roadmaps and Release plans:



[Business Decision Makers](#) · Sep 25 · 6 min read

How generative AI in customer relationship management emphasizes human skills to drive sales >

Successful sales is and always will be about human interactions, and the building of familiarity, comfort, and trust. But getting to those moments—all the searching and compiling and preparation—can take a lot of drudgery. Ensuring that an entire team of sellers has the time and capacity to strengthen those human relationships can be an enormous

[IT Professionals](#) [News and product updates](#) [Dynamics 365 Customer Service](#) · Published September 16, 2024 ·

3 min read

Announcing the General Availability of the New UX in Field Service Mobile >

The new User Experience in Dynamics 365 Field Service Mobile application is now in general availability. With key enhancements and changes added, we can't wait to share it with our customers today.

Request manager approval for a selected file
By Microsoft Instant 213775

Send an email to responder when response submitted in Microsoft Forms
By Microsoft Power Automate Community Automated 408171

Save Office 365 email attachments to specified OneDrive for Business folder
By Microsoft Power Automate Community Automated 245326

[IT Professionals](#) [News and product updates](#) [Dynamics 365 Customer Service](#) · Published September 16, 2024 ·

2 min read

Try the first-party WhatsApp channel in Dynamics 365 Contact Center >

In today's digital landscape, the success of customer service on social media hinges on the quality of care provided to customers. It's essential for communications from agents to be timely, accurate, sensitive, brief, and friendly to enhance customer satisfaction and foster brand loyalty.

[IT Professionals](#)
[News and product updates](#)
· Sep 27 · 4 min read

Optimizing ERP Security Configuration and Licensing within Microsoft Dynamics 365 >

As organizations scale, the need for robust governance, efficient user management, and cost-effective licensing strategies becomes paramount. To address these challenges, Microsoft Dynamics 365 is introducing a set of new capabilities in our ERP portfolio. These new capabilities enhance security and governance, offering significant benefits to IT professionals and business leaders alike.

Developer and GitHub



AI & ML

5 tips and tricks when using GitHub Copilot Workspace

GitHub Next launched the technical preview for GitHub Copilot Workspace in April 2024. Since then, we've been listening to the community, learning, and have some tips to share on how to get the most out of it!

Chris Reddington & Cole Bemis · October 9, 2024

Boost your CLI skills with GitHub Copilot

Want to know how to take your terminal skills to the next level? Whether you're starting out, or looking for more advanced commands, GitHub Copilot can help us explain and suggest the commands we are looking for.



Michelle Duke · September 26, 2024

GitHub Enterprise Cloud with data residency: How we built the next evolution of GitHub Enterprise using GitHub

How we used GitHub to build GitHub Enterprise Cloud with data residency.

Jim Wang · September 27, 2024

The nuances and challenges of moderating a code collaboration platform

Sharing the latest data update to our Transparency Center alongside a new research article on what makes moderating a code collaboration platform unique.

Margaret Tucker · September 30, 2024



Try out OpenAI o1 in GitHub Copilot and Models

OpenAI o1-preview and o1-mini are now available in GitHub Copilot Chat in VS Code and in the GitHub Models playground.

Mario Rodriguez · September 19, 2024

Enhancing the GitHub Copilot ecosystem with Copilot Extensions, now in public beta

Whether you're an individual developer looking to streamline your workflow or an organization aiming to integrate proprietary tools, GitHub Copilot Extensions now offers a platform to make that happen and to share your creations on the GitHub Marketplace.

Shuyin Zhao · September 17, 2024

GitHub Blog and Changelog

- [What's new in GitHub Mobile](#)
- [EPSS Scores in the GitHub Advisory Database](#)
- [Now you can choose a specific branch when using Copilot Autofix for code scanning](#)
- [Introducing Focused Notifications](#)
- [Upcoming replacement of enterprise code security enablement UI and APIs](#)
- [Copilot content exclusions now available for enterprise admins](#)
- [Copilot Chat in VS Code upleveled with new GitHub skills](#)
- [Secret scanning non-provider patterns are generally available](#)
- [Code security configurations now support archived repositories](#)
- [Streamlined coding, debugging, and testing with GitHub Copilot Chat in VS Code](#)
- [Secret scanning: on-demand revocation for GitHub PATs \(Public Beta\)](#)
- [Announcing TISAX for GitHub](#)

Microsoft Developer Blogs:

- [Engineering the Scalable Vector Extension in .NET](#)
- [Agent Framework Documentation Updates](#)
- [.NET 9 Release Candidate 2 :: Now Available](#)
- [A quick introduction to return address protection technologies](#)
- [Azure Developer CLI \(azd\) :: October 2024 release](#)
- [Multimodal RAG with Vision: From Experimentation to Implementation](#)
- [TypeScript 5.7 :: BETA](#)
- [Easier localization with the new resource \(.resx\) manager](#)
- [Microsoft.Extensions.AI: Simplifying AI Integration for .NET Partners](#)
- [Introducing RBAC Authentication and more for the Azure Cosmos DB Integrated Cache](#)

How students teamed up to decode 2,000-year-old texts using AI

Students used GitHub Copilot to decode ancient texts buried in Mount Vesuvius, achieving a groundbreaking historical breakthrough. This is their journey, the technology behind it, and the power of collaboration.

Juan Pablo Flores Cortés · October 3, 2024

Security

The second half of software supply chain security on GitHub

Learn about a community-developed framework for how to think about this problem holistically and how to use GitHub, particularly, to improve the security in the second half of your software supply chain.



Zachary Steindler · October 8, 2024



Office Developer Blogs and Microsoft 365 Dev Center



Krishna Mawani Sep 25, 2024

Microsoft 365 Certification control spotlight: Secure software development and deployment

Explore how Microsoft 365 Certification validates secure software development and deployment best practices.



Vesa Juvonen Sep 26, 2024

Announcing SharePoint Framework 1.20 with updates on building enterprise extensibility within Microsoft 365

We are excited to announce general availability for the SharePoint Framework 1.20. This time focus is primarily on the Microsoft Viva platform capabilities.



Srinidhi Ravichandran Oct 2, 2024

Unlocking the power of app analytics for ISVs in the Developer Portal

Read about the updated app analytics capabilities in the Developer Portal.

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

- [Integrate an Azure Function with your Excel custom function](#)
- [Microsoft Graph Change Notifications Sample for Java Spring](#)
- [Harnessing the power of low-code in Model-driven Apps](#)
- [How to improve dev process with hot-reloading your SPFx customizations](#)
- [Teams Conversation Bot](#)
- [Use a shared library to migrate your Visual Studio Tools for Office add-in](#)
- [Dev Proxy v0.21 with simulating authentication and authorization](#)
- [Microsoft 365 Developer Technology Adoption Program \(TAP\)](#)
- [Announcing SharePoint Framework 1.20 with updates on building enterprise extensibility within Microsoft 365](#)
- [Techniques to access data from an Office Add-in when offline](#)

Build immersive experiences for the workplace with Microsoft Mesh

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

[Learn more about Mesh >](#)

[Start your journey with Mesh >](#)



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

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

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

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



Trends with Microsoft Industry Solutions



Updates from Microsoft Industry Blogs

October 10, 2024 · 4 min read

Enhancing healthcare with data and responsible AI: New innovations from Microsoft Cloud for Healthcare >

In the ever-evolving healthcare landscape, Microsoft is leading the development of advanced, responsible AI to revolutionize patient and provider experiences, improve population health and reduce healthcare industry costs.

[Manufacturing and mobility](#) • Oct 9
• 10 min read

AI solutions and data platforms for the aviation industry >

The aviation industry is entering a new era: airlines and airports worldwide are on the brink of transformation, driven by the power of generative AI.

Healthcare • Oct 10 • 7 min read

Power healthcare AI with unified and protected multi-modal healthcare data >

We are thrilled to announce the general availability of Healthcare data solutions in Microsoft Fabric, a comprehensive solution that enables organizations to ingest, store, and analyze healthcare-related data from various sources and modalities into one unified data store for analytics and AI.

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

3 practical ways industrial AI is reshaping manufacturing >

We had the privilege of attending the 2024 International Manufacturing Technology Show (IMTS) last week, and we are thrilled about the innovative technologies already supporting business advancement.

Telecommunications • Oct 1 •

6 min read

Transforming telecoms with AI >

Microsoft is committed to supporting transformation through advanced AI technologies and strategic partnerships, empowering telecoms to stay ahead of evolving market and customer demands.

Government • Oct 8 • 6 min read

4 foundational ways that AI is transforming government >

Government agencies and organizations are moving quickly with AI to reshape the impact of government around the world. Here are four key areas in which customers are innovating in powerful new ways.

Healthcare • Oct 10 • 9 min read

Unlocking next-generation AI capabilities with healthcare AI models >

Existing language models have revolutionized how we interact and use powerful AI models for text-based use cases in healthcare. But the practice of modern medicine is chiefly multimodal. Effectively assessing the complete picture of patient health requires moving beyond medical text comprehension to sophisticated AI models capable of integrating and analyzing diverse data sources across modalities such as medical imaging, genomics, clinical records, and more.

Healthcare • Oct 10 • 3 min read

Introducing healthcare agent service in Microsoft Copilot Studio >

Today, we are happy to announce the public preview of Healthcare AI Solutions for Copilot Studio, designed for safer creation of healthcare agents.





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 >](#)



[Sustainability • Sep 26 • 4 min read](#)

Sustainable by design: Innovating for energy efficiency, part 2 >

In this blog, I'd like to share a few examples of how we're bringing promising efficiency research out of the lab and into commercial operations.

[Sustainability • Sep 25 • 4 min read](#)

Driving business value with ESG data readiness >

Customers from many industries have been reaching out to us to discuss how to move from reporting to carbon reductions, and how to identify opportunities to drive sustainability progress in their organizations.



The background of the image is a blurred photograph of server racks in a data center. The racks are dark grey or black, with various ports, lights, and labels visible. In the upper right corner, there is a decorative graphic of several glowing yellow and white circular bokeh lights.

Azure

Azure Updates

Azure Blog



Announcements · Oct 16 · 8 min read

Azure Cobalt 100-based Virtual Machines are now generally available >

By [Anur Kishan](#), Technical Fellow and Corporate Vice President, Core Compute and Host; [Rani Borkar](#), Corporate Vice President, Azure Hardware Systems and Infrastructure

We are excited to announce the general availability of the new Azure Cobalt 100 Virtual Machines (VMs). These VMs run on Microsoft's first fully custom Arm-based Cobalt 100 CPU and represent a significant milestone in our end-to-end approach to building cloud infrastructure.

Thought leadership · Oct 15 · 5 min read

Accelerating industry-wide innovations in datacenter infrastructure and security >

By [Rani Borkar](#), Corporate Vice President, Azure Hardware Systems and Infrastructure; [Saurabh Dighe](#), Corporate Vice President, Azure Strategic Planning and Architecture; [Zaid Kahn](#), Vice President, Cloud AI and Advanced Systems Engineering

Microsoft drives innovation and contributes to the broader AI and data-center community, benefitting the entire industry.

AI + machine learning · Oct 1 · 5 min read

Announcing new products and features for Azure OpenAI Service including GPT-4o-Realtime-Preview with audio and speech capabilities >

By [Steve Sweetman](#), Azure OpenAI Service Product Lead

Announcements · Oct 3 · 5 min read

Drasi: Microsoft's newest open-source project simplifies change detection and reaction in complex systems >

By [Mark Russinovich](#), Chief Technology Officer, Deputy Chief Information Security Officer, and Technical Fellow, Microsoft Azure

Thought leadership · Sep 26 · 4 min read

Developer insights: Building resilient end-to-end security >

By [Rohan Kumar](#), Corporate Vice President, Security Platform, Data Security, Compliance, Governance & Privacy

Explore how Microsoft's platform-centric approach builds resilient digital ecosystems. This first post in our end-to-end security series covers its definition and benefits in cybersecurity.

Announcements · Oct 8 · 4 min read

Unlock your data with AI solutions from the Microsoft commercial marketplace >

By [Yvonne Muensch](#), Senior Director, Marketplace and ISV Journey, Microsoft

The Microsoft commercial marketplace offers AI solutions to enhance data interaction, streamline processes, and accelerate innovation for businesses.

Updates & Announcements

- ❖ [App Service Environment memory intensive pricing tier](#)
- ❖ [Storage account default egress limit increase to 200 Gbps](#)
- ❖ [Several performance management server parameters now modifiable on Azure Database for PostgreSQL](#)
- ❖ [vCore-based Azure Cosmos DB for MongoDB—up to 32 TiB storage :: Public Preview](#)
- ❖ [Dedicated gateway RBAC support and a new request option](#)
- ❖ [ExpressRoute guided configuration experience](#)
- ❖ [Custom IPv4 Prefixes \(BYOIP\) can be used in a Global/Regional configuration](#)
- ❖ [Simulate everyday interactions with your app in Azure AI Studio :: Public Preview](#)
- ❖ [Introducing Reporting and Microsoft Entra ID Authentication for Microsoft Playwright Testing :: Public Preview](#)
- ❖ [Virtual machines node pools support in AKS :: Public Preview](#)
- ❖ [FIPS mutability support in AKS](#)
- ❖ [Azure Cosmos DB dynamic scaling—per region and per partition autoscale](#)
- ❖ [Azure confidential VMs with NVIDIA Tensor Core GPUs](#)
- ❖ [New FX series VMs - FXmsv2 and FXmdsv2 :: Public Preview](#)
- ❖ [Azure NetApp Files Reserved Capacity](#)
- ❖ [Advanced Container Networking Services: Enhancing security](#)

Compute · Oct 2 · 2 min read

Microsoft launches latest Azure virtual machines optimized for AI supercomputing, the ND H200 v5 series >

By [Nitin Nagarkatte](#), Principal Product Manager, Azure HPC+AI



Microsoft Fabric :: Blog

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 shows the Microsoft Fabric Power BI hub interface. It features a central dashboard with several cards: "Data engineering" (Design systems to help you organize and analyze large volumes of data), "Data science" (Use AI tools to build end-to-end workflows, enrich data, and improve insights), "Data warehouse" (Scale compute and storage independently with industry-leading SQL performance), "Real-time analytics" (Explore and analyze large volumes of streaming data in real-time with high performance and low latency), "Data monitoring and action" (Drive timely actions by creating automated monitoring systems to detect patterns and changes), and "Business intelligence" (Turn your data into visually immersive, interactive insights and embed them in Microsoft 365). A large blue callout box highlights the "Announcements" section, which includes a message about the September 2024 update, new Copilot experience, and Git integration.

DIFFERENTIATORS

Experience the next generation in analytics

Complete data platform

Lake-centric architecture

Overview

Singularity

Governance

Unified capabilities

Simplify billing and management of capacity and storage workload.

Welcome to the September 2024 Update!

We have a lot of exciting announcements to share with you for FabCon Europe! We've brought Copilot to Dataflows Gen2 and a richer Copilot experience when building and consuming Power BI Reports. With Real-Time Intelligence we have redesigned and enhanced user experience in the Real-Time hub. We announced the general availability of Fabric Git integration. You can sync Fabric workspaces with Git repositories, leverage version control, and collaborate seamlessly using Azure DevOps or GitHub. We now have an enhanced and redesigned left navigation experience in Real-time Intelligence with the new Real-Time hub user experience.

In AI, we have released Copilot in Fabric experience for Dataflows Gen2 into general availability, allowing everyone to design dataflows with the help of an AI-powered expert. We also released Copilot in Fabric experience for Data Warehouse into preview. This AI assistant experience can help developers generate T-SQL queries for data analysis, explain and add in-line code comments for existing T-SQL queries, fix broken T-SQL code, and answer questions about general data warehousing tasks and operations.

To learn more, read about all these announcements, and more in Arun's blog post [Building an AI-powered data platform](#).

16 Workspaces

332 Endorsed items

16 Certified vs Promoted items

16 Endorsed items by type

16 Endorsed items by workspace

16 Admin monitoring

16 Contoso HR

16 Contoso Finance

16 Contoso IT

16 Contoso Marketing

16 Contoso Operations

16 Contoso Sales

16 fabrico

16 MFT Workspace

16 MUDC Demo

16 Microsoft Fabric

16 Capacity Metrics

16 Microsoft Fabric

16 Capacity Metrics

16 Admin monitor...

16 PersonalWork...

NA NA

16 Contoso Sales

16 Contoso HR

16 Contoso Finance

16 Contoso IT

16 Contoso Marketing

16 Contoso Operations

16 Contoso Sales

16 fabrico

16 MFT Workspace

16 MUDC Demo

16 Microsoft Fabric

16 Capacity Metrics

16 Microsoft Fabric

16 Capacity Metrics

16 Admin monitor...

16 PersonalWork...

NA NA

16 Contoso Sales

16 Contoso HR

16 Contoso Finance

16 Contoso IT

16 Contoso Marketing

16 Contoso Operations

16 Contoso Sales

16 fabrico

16 MFT Workspace

16 MUDC Demo

16 Microsoft Fabric

16 Capacity Metrics

16 Microsoft Fabric

16 Capacity Metrics

16 Admin monitor...

16 PersonalWork...

NA NA

Azure Services Directory



Azure AI Model Catalog

Discover, evaluate, customize, and deploy AI models

Azure AI Model Catalog

- ❖ [Innovate faster using foundation models packed for out-of-the-box-usage](#) and shared compute resources.
- ❖ [Easily integrate AI models into your applications without having to provision or manage infrastructure](#).
- ❖ [Analyze model metrics with standard datasets](#) and find the right models to meet your needs.
- ❖ [OpenAI, Phi-3, Meta, Mistral AI, Cohere, Hugging Face, Stability AI, Core42](#) (A G42 Company), [Nixta](#) available in the catalog, with more to come
- ❖ [Built-in Security and Compliance](#)
- ❖ [Explore AI models by task and use the playground](#) to experiment with sample queries.
- ❖ [Accelerate AI projects with ready-to-use fine-tuning pipelines](#)—no setup needed.



Phi-3 Open Models

A family of powerful, small language models (SLMs) with groundbreaking performance at low cost and low latency

Phi-3 Open Models

- ❖ Redefining what's possible with SLMs (Small Language Models)
- ❖ Lower resource use – designed for local deployments
- ❖ Deploy at edge to deliver fastest response in Latency-Bound scenarios
- ❖ Operate effectively in offline environments where data privacy is critical, or connectivity is limited.
- ❖ Fine-tuning SLM models with domain-specific data
- ❖ Phi-3 models were developed in accordance with Microsoft AI principles: accountability, transparency, fairness, reliability and safety, privacy and security, and inclusiveness.
- ❖ Phi-3 models are available for free for real-time deployment through the Azure AI model catalog. They're also available on Hugging Face and Ollama.



Azure Communication Services

Build multichannel communication experiences

Azure Communication Services

- ❖ Azure Communication Services offers multichannel communication APIs for adding voice, video, chat, text messaging/SMS, email, and more to all your applications.
- ❖ Certified compliant communication platform to meet your business needs, including HIPAA, GDPR, and SOC 2 standards
- ❖ Open-source SDKs to create engaging experiences, and seamless communication interoperability with Microsoft Teams
- ❖ [Build custom app experiences connected to Microsoft Teams](#)
- ❖ [Build a sample virtual appointment app in minutes](#)
- ❖ [Deliver reliable enterprise-grade calling, chat, and messaging capabilities from a global, low-latency network](#)
- ❖ Automatically scale to meet your demands.

Azure Services Directory



Azure Update Manager

Centrally govern and manage software updates at scale

Azure Update Manager

- ❖ Manage software updates to Azure, on-premises, and multi-cloud machines
- ❖ Oversee update compliance for your entire fleet of Windows and Linux machines, including Azure machines and Azure Arc-enabled servers on a single dashboard
- ❖ Use the service globally in all Azure and Azure Arc regions.
- ❖ Apply security and critical patches with access controls
- ❖ Implement patch assessment and deployment schedules with Azure Policy and dynamic scoping.
- ❖ Get Extended Security Updates
- ❖ Dynamic scoping, an advanced capability of schedule patching, to group machines based on criteria and apply updates at scale
- ❖ Flexible patching options such as automatic virtual machine (VM) guest patching, maintenance schedules, and on-demand updates



Azure Migrate

Simplify Azure migration and modernization with a unified platform

Azure Migrate

- ❖ Start your migration by discovering and assessing on-premises resources using the free Azure Migrate tool.
- ❖ Easily identify and gather details on your infrastructure, databases, applications, and virtual desktop interfaces (VDI).
- ❖ Create a plan with a phased approach, where all connected resources migrate together for ideal performance.
- ❖ Track and manage your cloud migration progress using a central dashboard for ease of management.
- ❖ Review example Migration plans and scenarios
- ❖ Assess VMware VM's for migration to Azure



Azure Stack HCI

Deploy and manage virtual machines and containers at the edge with cloud-native HCI Infrastructure

Azure Stack HCI

- ❖ Deploy cloud-native apps wherever you need them with distributed hybrid infrastructure.
- ❖ Run any applications, virtual machines, or container-based workloads anywhere with a consistent Azure experience.
- ❖ Choose right-sized turnkey, node, and integrated solutions from Microsoft and partners including Dell, HP, and Lenovo.
- ❖ Securely store and process customer data at the edge to stay compliant with HIPAA, FedRAMP, and other regulations.
- ❖ GPU Partitioning: Share a GPU device with multiple virtual machines to reduce total cost of ownership and simplify AI deployment at the edge.
- ❖ Monitor, update, and secure Azure Stack HCI infrastructure, including fleets of locations, directly from the Azure portal.

Azure Services Directory

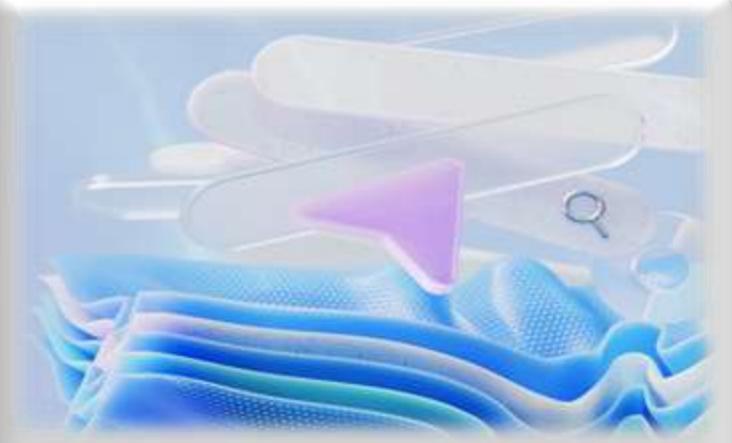


Azure AI Content Safety

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 Pipelines

Continuously build, test, and deploy to any platform and cloud

Azure Pipelines

- ❖ [Build, test, and deploy Node.js, Python, Java, PHP, Ruby, C/C++, .NET, Android, and iOS apps](#). Run in parallel on Linux, macOS, and Windows.
- ❖ Implement continuous delivery (CD) of your software to any cloud, including Azure, AWS, and GCP. Visualize deployment to any number of interdependent stages.
- ❖ Powerful workflows with native container support
- ❖ Deploy to Kubernetes, VMs, Azure Functions, Azure Web Apps, or any cloud.
- ❖ [See how the .NET infrastructure team at Microsoft](#) relies on Azure Pipelines to run millions of automated tests a day
- ❖ [Build, test, and deploy everything you create on GitHub](#)

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.

October 10, 2024 | Idunn Wolfe

Getting more out of Microsoft 365 Copilot with purposeful prompts

Editor's note: This is the fifth video in our ongoing series that showcases our in-house experts using real-world scenarios to explore the transformative capabilities of Microsoft 365 Copilot. Robert Gates likens Microsoft 365 Copilot to a "calculator for words." Gates,...

| Idunn Wolfe

October 3, 2024 | Idunn Wolfe

How we're delivering demos in Microsoft 365 Copilot at Microsoft

Editor's note: This is the fourth video in our ongoing series that showcases our in-house experts using real-world scenarios to explore the transformative capabilities of Microsoft 365 Copilot. For Robert Epstein, the key to a successful Microsoft 365 Copilot demo...



September 26, 2024 | Idunn Wolfe

Migrating from Microsoft Monitoring Agent to Azure Arc and Azure Update Manager at Microsoft

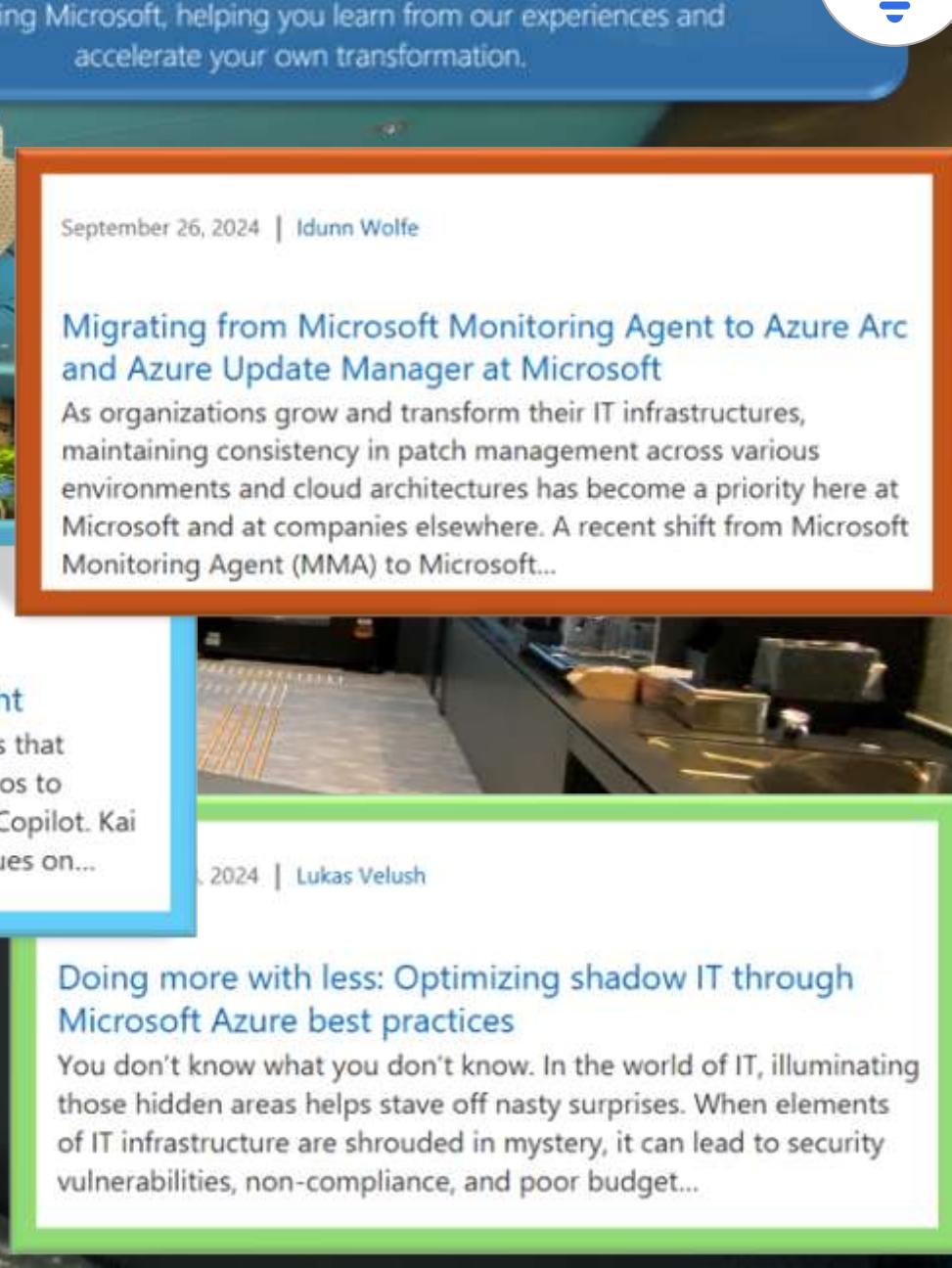
As organizations grow and transform their IT infrastructures, maintaining consistency in patch management across various environments and cloud architectures has become a priority here at Microsoft and at companies elsewhere. A recent shift from Microsoft Monitoring Agent (MMA) to Microsoft...



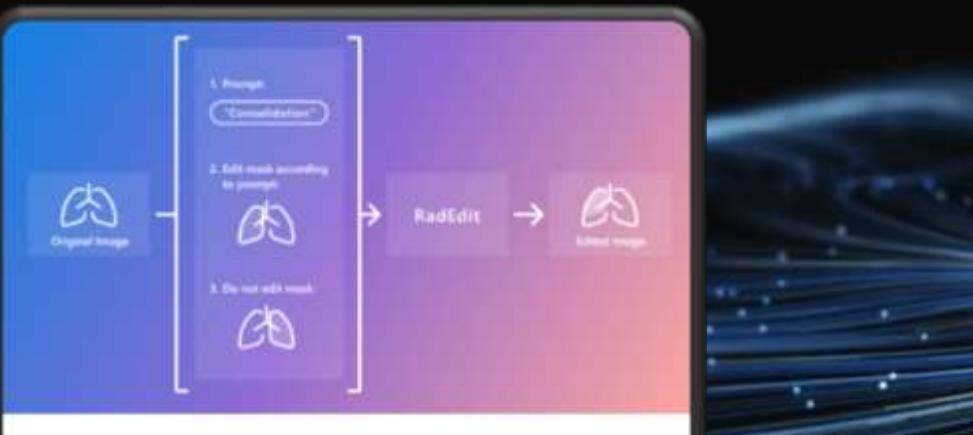
2024 | Lukas Velush

Doing more with less: Optimizing shadow IT through Microsoft Azure best practices

You don't know what you don't know. In the world of IT, illuminating those hidden areas helps stave off nasty surprises. When elements of IT infrastructure are shrouded in mystery, it can lead to security vulnerabilities, non-compliance, and poor budget...



Microsoft Research Blog



[Stress-testing biomedical vision models with RadEdit: A synthetic data approach for robust model deployment >](#)

September 30, 2024 | [Max Ilse](#), [Daniel Coelho de Castro](#), and [Javier Alvarez-Valle](#)

RadEdit stress-tests biomedical vision models by simulating dataset shifts through precise image editing. It uses diffusion models to create realistic, synthetic datasets, helping to identify model weaknesses and evaluate robustness.



[Data Formulator: Exploring how AI can help analysts create rich data visualizations >](#)

October 1, 2024

Data Formulator investigates combining UI interactions with natural language input. Powered by AI, it can help users create or adapt visualizations and supports continuous refinement through an iterative process. Now available on GitHub.



[Microsoft Research Forum Episode 4: The future of multimodal models, a new "small" language model, and other AI updates >](#)

September 26, 2024

Explore multimodal & small language models, plus advanced benchmarks for AI evaluation. Microsoft researchers are working on breakthroughs in weather prediction, materials design, even a new kind of computer for AI inference and hard optimization problems.

FOCUS
2024



[Eureka: Evaluating and understanding progress in AI >](#)

September 17, 2024

How can we rigorously evaluate and understand state-of-the-art progress in AI? Eureka is an open-source framework for standardizing evaluations of large foundation models, beyond single-score reporting and rankings. Learn more about the extended findings.

[Research Focus: Week of September 23, 2024 >](#)

September 25, 2024

Welcome to Research Focus, a series of blog posts that highlights notable publications, events, code/datasets, new hires and other milestones from across the research community at Microsoft. Time-series forecasting is a technique used to predict future values based on previously observed data points over time....

Microsoft Quantum Blog :: Innovation News



Microsoft announces the best performing logical qubits on record and will provide priority access to reliable quantum hardware in Azure Quantum.

Sept 10, 2024 | Jason Zander - EVP, Strategic Missions and Technologies



Two researchers working on a quantum machine.

At Microsoft, we're ushering in a new era of computing on the path to unlocking scientific advantage and tackling some of the world's most pressing challenges. This is why we're building Azure Quantum — to create the first platform for reliable quantum computing and achieve the vision of quantum at scale.

In April, we announced we're entering the next phase for solving meaningful problems with reliable quantum computers by demonstrating the most reliable logical qubits with an error rate 800x better than physical qubits. The main issue with today's noisy intermediate-scale quantum (NISQ) machines is that their physical qubits are too noisy and error-prone, making the machines impractical for real-world applications. That's why we must transition to using **reliable logical qubits** that combine multiple physical qubits together to protect against noise and to maintain coherence for long-running computations.

+ 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"

Q#

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.

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

Business Professionals

Microsoft Data and Analytics Forum

Wednesday, October 30, 2024

Register now for the Microsoft Data and Analytics Forum to ensure your data is organized, secure, and ready for AI innovations. Get cutting-edge insights into the Microsoft Intelligent Data Platform and learn from real-world success stories.

[Register now >](#)

Microsoft Azure Technical Workshop: Develop Generative AI Solutions with Azure OpenAI Service

10/24/2024 | 10:30 - 18:00 (JST)

Digital

Chinese Traditional...

Workshop

Build high-impact applications with generative AI. Join us to learn how to create intelligent and scalable...

[Show more](#)

IT Professionals

The Future of VMware Is in Azure

On Demand

Join The Future of VMware Is in Azure digital event on July 16 for a deep-dive into strategies and solutions for VMware workloads with Azure VMware Solution—offering cost savings and the fastest path to the cloud.

[Watch now >](#)

Business Professionals

Microsoft Business Applications Launch Event

Tuesday, October 29, 2024

Learn how to use Dynamics 365, Microsoft Power Platform, and Microsoft Copilot to boost productivity at the Microsoft Business Applications Launch Event. Dive into the latest AI capabilities, hear customer success stories, and watch hands-on demonstrations.

[Register now >](#)

Microsoft Azure Hackathon: Build an AI App in a Day

10/31/2024 | 08:00 - 15:00 (NZST)

In Person

Training

Developer

SharePoint Embedded for Enterprise Apps

Multiple Dates

Bring **Copilot** into your enterprise apps using SharePoint Embedded

Come join this exclusive events for developers, architects, and ITDMs where you'll explore best practices for your projects, glimpse the future of SharePoint Embedded, and learn to integrate Copilot into document-centric apps. We're eager for your feedback and experiences; your creations shape ours.

Join us at a free Microsoft Azure Hackathon: Build an AI App in a Day.



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LinkedIn Learning

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Career Essentials in Generative AI

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

Skills you'll learn:

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

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



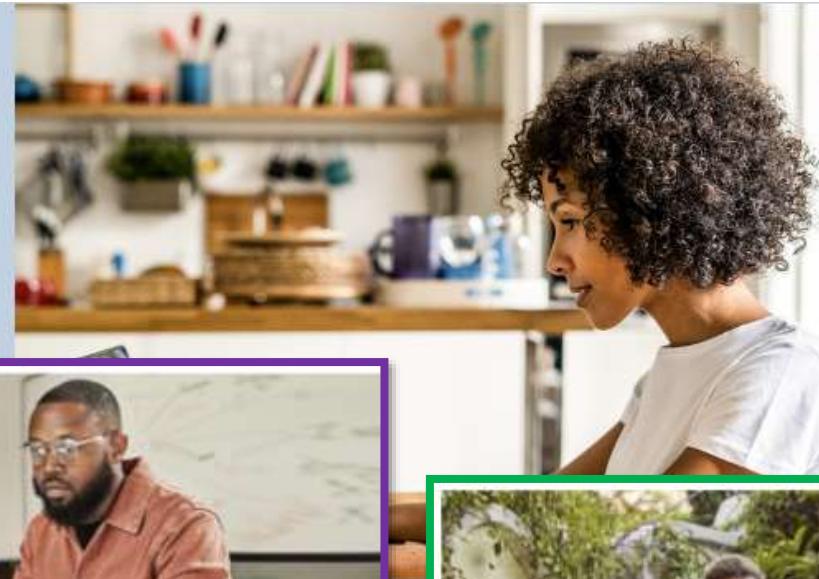
Career Essentials in Cybersecurity

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

Skills you'll learn:

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

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

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

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



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- Requirements for gathering and analysis
- Data science basics

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



ESI Training Journey

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

Microsoft Azure Training Journey

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

<https://aka.ms/ESIAzureTrainingJourney>

Microsoft Security Operations Analyst

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

Microsoft Security, Compliance, and Identity Training Journey

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

<https://aka.ms/ESISecurityTrainingJourney>

Azure AI Engineer Learning Pathway

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

Fabric Learning Companion

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

Microsoft Learning and Training :: Learning Blog



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MODULE

Introduction to the Microsoft Azure Well-Architected Framework



⌚ 1 hr 4 min

Beginner • Solution Architect • Azure

MODULE

Build natural language solutions with Azure OpenAI Service



⌚ 57 min

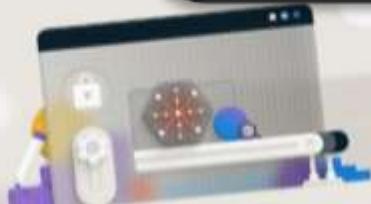
Azure • AI Engineer • Intermediate

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Security Operations Analyst

Protect your organization for security threats.



AI Engineer

Define and implement cutting-edge AI solutions.

MODULE

Automate development tasks by using GitHub Actions



⌚ 49 min

Beginner • DevOps Engineer • GitHub

⊕ Save



LEARNING PATH

Develop Generative AI solutions with Azure OpenAI Service

⌚ 5 hr 34 min

Azure • AI Engineer • Intermediate

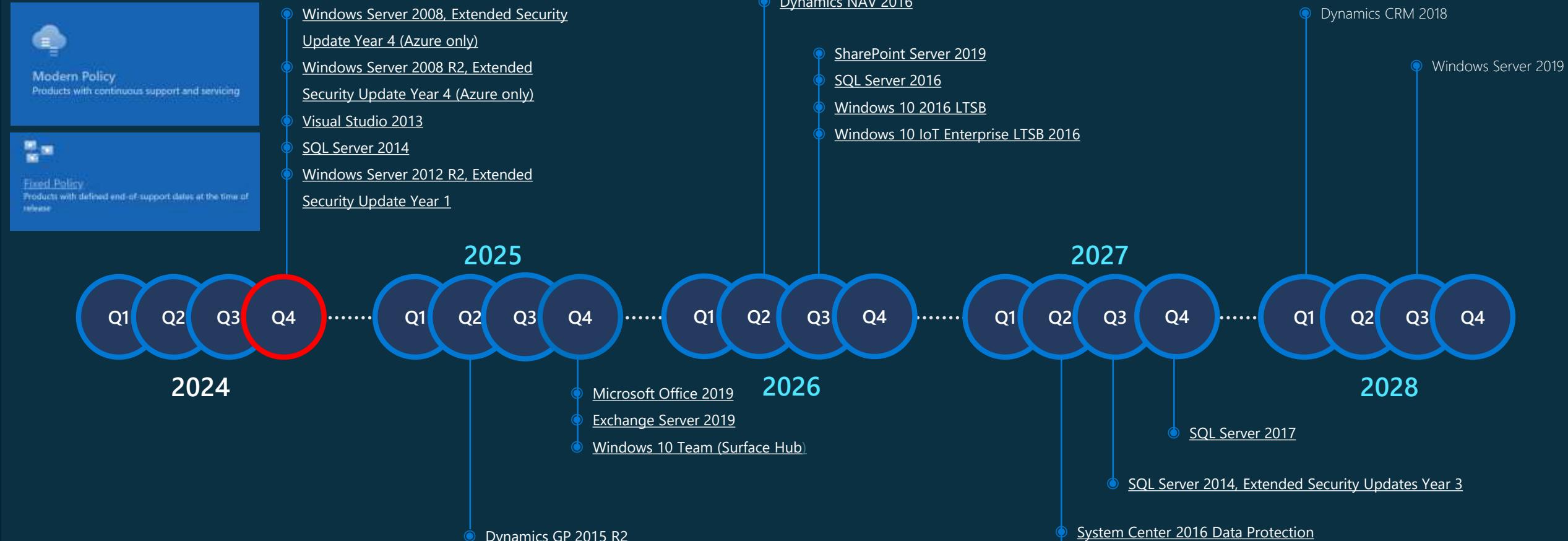
⊕ Add

Product Lifecycles





End of Service Roadmap to 2028



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

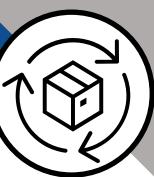
Microsoft Lifecycle Policy Details (<https://support.microsoft.com/en-us/lifecycle>)

** 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
Xamarin Community Toolkit Xamarin.Android Xamarin.Essentials Xamarin.Forms Xamarin.iOS Xamarin.Mac	May 1, 2024
Virtual WAN hubs running on Cloud Services	July 1, 2024
Azure Kinect SDK	August 16, 2024
API Management stv1 App Service Environment version 1 and 2 Azure Cache for Redis on Cloud Services (Classic) Azure Classic Administrator Roles Azure Cloud Services (classic) Classic Application Gateway Classic ExpressRoute Gateway Classic Reserved IP Addresses Classic Storage Accounts Classic Virtual Network Classic VPN Gateway HPC Pack burst to Cloud Services Integration Services Environment Machine Learning Studio (classic) Visual Studio for Mac	August 31, 2024
Azure Database for MySQL Single Server	September 16, 2024
Azure Spatial Anchors	November 20, 2024

Products under Modern Policy that will Retire in 2025

Products Moving to End of Servicing (Modern Policy)	Retirement Date
Visual Studio App Center	March 31, 2025
SAP HANA Large Instances (HLIs)	June 30, 2025
Azure Database for MariaDB	September 19, 2025
Azure Basic Load Balancer Azure HPC Cache Azure Service Map Azure Unmanaged Disks Azure vFXT	September 30, 2025
Windows 10 Enterprise and Education Windows 10 Home and Pro Windows 10 IoT Enterprise	October 14, 2025
 Lifecycle data export Export all products Export lifecycle data for all products by clicking below Export All Products	
<h3>Announcements</h3> <ul style="list-style-type: none">Products reaching End of Support on October 14, 2025:Windows 11, version 22H2 end of updates (Home, Pro)Windows 11, version 21H2 end of updates (Enterprise, Education)Azure Service Manager products retiring on August 31, 2024Support for TLS 1.0 and TLS 1.1 will end by October 31, 2024Update: Teams Live Events no longer retiring September 30, 2024	<ul style="list-style-type: none">Windows 10, version 21H2 end of updates (Enterprise, Education)Power BI Windows app to be retired December 31, 2023Visual Studio for Mac to be retired August 31, 2024Windows 11, version 21H2 end of servicing (Home & Pro)Power BI Windows app for Surface Hub reaching retirementWindows 10, version 22H2 end of support date updated 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
FSLogix, Version 2210 Hotfix 2	February 13, 2024
Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 2, version 21.x	April 14, 2024
FSLogix, Version 2210 Hotfix 3 .NET 7	May 14, 2024
Microsoft Configuration Manager, Version 2211	June 5, 2024
Windows 10 Enterprise and Education, Version 21H2 Windows 10 IoT Enterprise, Version 21H2	June 11, 2024
Microsoft Teams, Classic Teams Client	July 1, 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 10, 2024
PowerShell, PowerShell 7.2 (LTS-current)	November 8, 2024
Azure IoT Edge, Version 1.4 (LTS) .NET 6.0 (LTS)	November 12, 2024

Products Release End of Servicing for 2025

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

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2024



Products Reaching End of Support for 2024

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

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2025



Products Release End of Support for 2025

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

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

Microsoft Product Lifecycle: Products moving to Extended Support



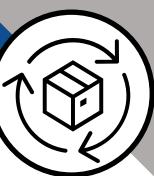
Products Moving to Extended Support for 2024

Products Moving to Extended Support (Fixed Policy)	End of Support Date
Dynamics SL 2018	January 9, 2024
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 Server 2019	
Windows Server IoT 2019	
Windows Server IoT 2019 for Storage	
Azure DevOps Server 2019	April 9, 2024
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	

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	Built-in Qualys vulnerability assessment solution for Defender for Containers	May 1, 2024	Azure Storage for Go blob Track 1 SDK	September 13, 2024
Azure Active Directory Connect version retirement (2021)	February 29, 2024	Built-in Qualys vulnerability assessment solution for Defender for Servers		Azure Storage for Go file Track 1 SDK	
Azure Application Gateway analytics solution		consumption.azure.com API retirement		Azure Storage for Go queue Track 1 SDK	
Azure Batch rendering VM images & licensing		.NET 7 on App Service	May 13, 2024	Microsoft Azure Storage Track 1 SDK for Java	
Azure Batch Transcription and Customization Rest API v2		Azure Functions - .NET 7 community EOS	May 14, 2024	Retirement of Azure Storage Android Track 1 SDK	
Azure Data Lake Analytics		Azure Object Anchors	May 20, 2024	Retirement of Azure Storage Ruby Track 1 SDK	
Azure Data Lake Storage Gen 1		FCM legacy migration to FCM v1 in Azure Notification Hub	June 20, 2024	Azure database for MySQL Single Server	September 16, 2024
Azure Media Services v2 API		Azure Functions for Node 14	June 30, 2024	Azure Maps Data V1 & Data V2 API	
Azure Network Watcher Connection Monitor (classic)		Azure Functions for Node 16		.NET Standard user-defined functions	September 30, 2024
Azure Stack Edge Pro FPGA		Azure Media Services		Automatic configuration of LVM for CycleCloud	
AzureRM Powershell modules		Azure Video Indexer adjustments due to Azure Media Services retirement		Volume mounts	
Classic alerts in Azure Monitor for Gov cloud		Azure OpenAI Service 7.5.24 model retirements	July 5, 2024	Azure Monitor Application Insights Python	
Classic alerts in Azure Monitor for Mooncake		Azure Time Series Insights	July 7, 2024	OpenCensus SDK	
Classic Application Insights		Azure Synapse Runtime for Apache Spark 3.2	July 8, 2024	Azure Sphere CLI V1	
Classic Azure Migrate		Azure HDInsight A Series	August 30, 2024	Batch CLI extensions	
Cognitive Services Text Analytics v2.x		ADF Data Flows Compute Optimized SKU	August 31, 2024	BeeGFS filesystem cluster type	
Jenkins plug-ins for Azure		Azure Automation Agent-based user Hybrid Runbook Worker		C# custom deserializer for Azure Stream Analytics	
Legacy Azure Kubernetes Services AAD integration		Azure Automation Update Management		Grafana 9 End of Support for Azure Grafana Services	
Standard version of Custom Voice	March 6, 2024	Azure Functions Azure Cosmos DB V3 Extension		HTCondor scheduler cluster type	
Virtual Machines NC Series		Azure Monitor Log Analytics Agent		MFA Server Retirement	
Virtual Machines NCv2 Series		Azure Monitor Multi Step WebTest		Pool list usage metrics API	
Virtual Machines ND Series		Azure Monitor Release Annotations using API keys		Task authentication token	
Virtual Machines NVv1 Series		Azure Site Recovery (Hard coded IP addresses)		Python 3.8 on App Service	October 1, 2024
Azure Container Apps preview API version 2023-04-01-preview	March 6, 2024	Basic and Standard A-series VM families support		Azure Cache for Redis TLS 1.0/1.1	October 31, 2024
Azure Farmbeats	March 14, 2024	Change Tracking with LA (Log Analytics) Agent		Azure-wide TLS 1.0/1.1 support announcement	
Custom metric alerts in Azure monitor for container insights		Classic Resource Providers		Flexible Server PostgreSQL 11 retirement	November 9, 2024
Internet Analyzer Decom	March 15, 2024	Cognitive Search Skills for Text Analytics v2		Single Server PostgreSQL 11	
Retirement of Azure Storage PHP SDK	March 17, 2024	RDFF networking resources (classic)		.NET 6 LTS on App Service	November 12, 2024
Azure Cosmos DB's built-in Jupyter notebooks	March 30, 2024	Retirement of Azure Cosmos DB .NET SDK (Cosmos DB)		Azure Functions - .NET 6 community EOS	
Azure AI Content safety (preview)		Retirement of Java ASync v2.x (Cosmos DB)		Azure Spatial Anchors	November 20, 2024
Azure RTOS transition to open source under Eclipse Foundation	March 31, 2024	Retirement of Java V3 SDK (Cosmos DB)		PHP 8.1 on App Service	November 25, 2024
Changes to My Groups admin controls		Synapse Analytics Data Flows Compute Optimized SKU			
IoT Edge on K8s on Azure Stack Edge		Text To Speech (Standard Voice)			
Select Batch Pool Autoscale Statistics		Virtual Machines Basic and Standard A-series AV1			
Traversal Using Relays Around NAT (TURN)		Virtual Machines HB Series			
Trouble Shooting Guides Retirement					

Microsoft Product Lifecycle: Azure Changes 2025



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

Azure Item	Retirement
Cluster Configuration Flux v1	May 24, 2025
SAP HLI SKU Retirement	June 30, 2025
Azure Database for MariaDB	September 19, 2025
App Insights API Key Retirement Application Insights Java 2.X SDK Retirement Azure Database for MySQL v5.7 end of support Azure Functions proxy support retirement Azure HPC Cache Azure ML CLI v1 retirement Azure vFXT Basic IP Basic Load Balancer Batch Low Priority VMs 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 Microsoft.SQL 2014-04-01 stable APIs retirement ServiceMap Standard_NC6s_v3, Standard_NC12s_v3, and Standard_NC24s_v3 VM sizes Unmanaged Disks VPN Gateway Standard and High-Performance SKUs	September 30, 2025
Azure Monitor legacy Log Analytics API for log alerts Language Understandings (LUIS) v1	October 1, 2025



Acquisitions and Announcements

Microsoft Acquisitions - 2024



Company	Date	Description
		No Acquisitions Yet for 2024

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Event speaker request form

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- [Sneak Peak of how Microsoft Runs its Cyber Defe...](#)

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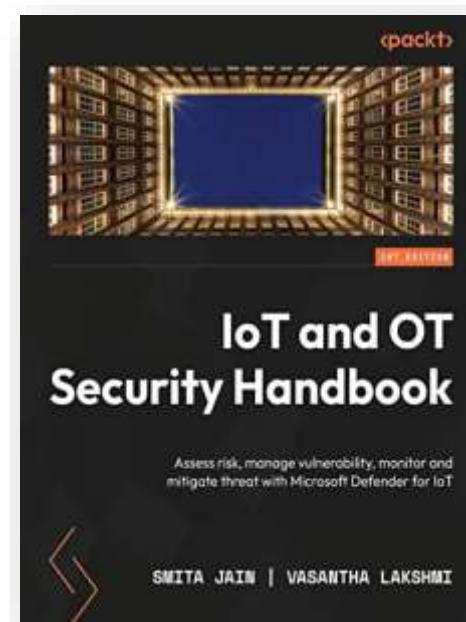
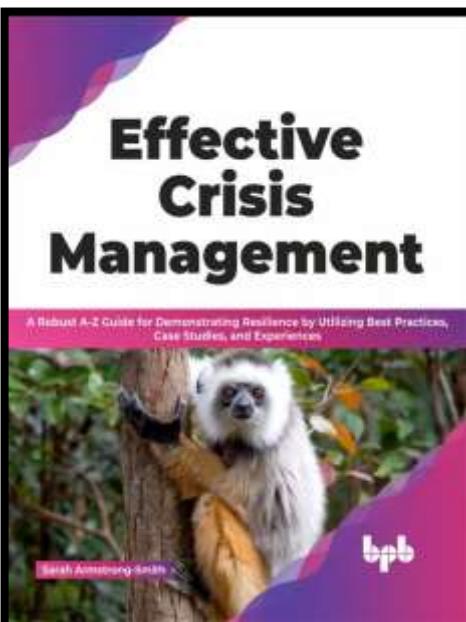
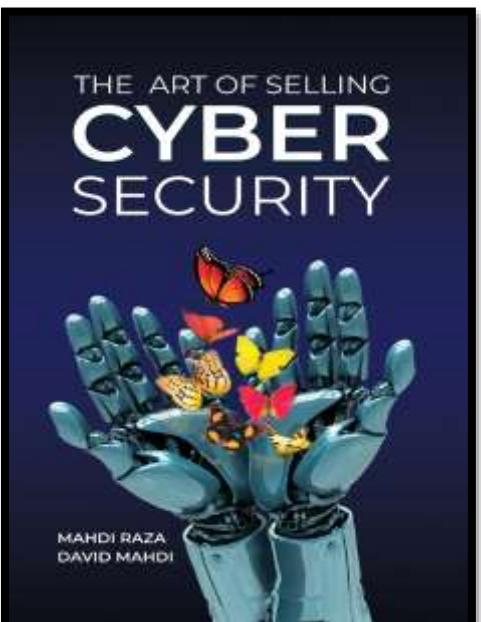
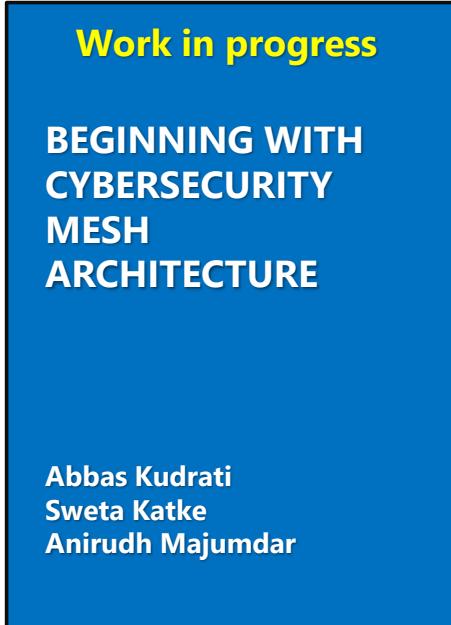
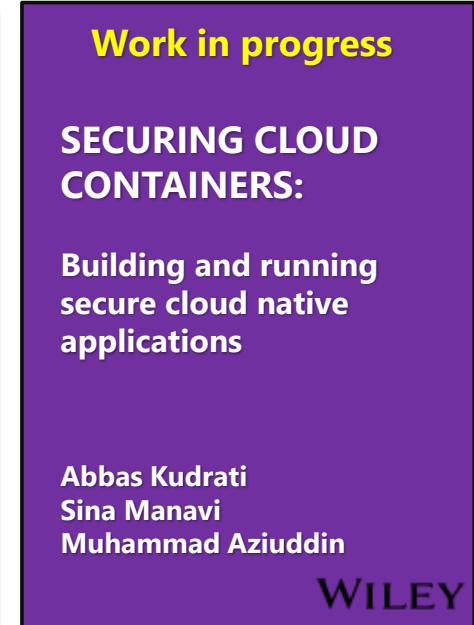
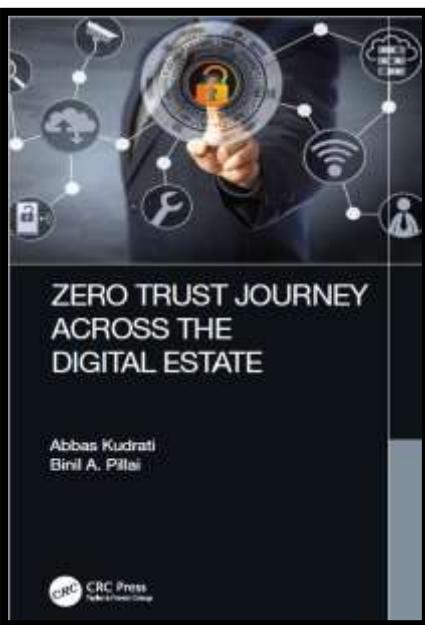
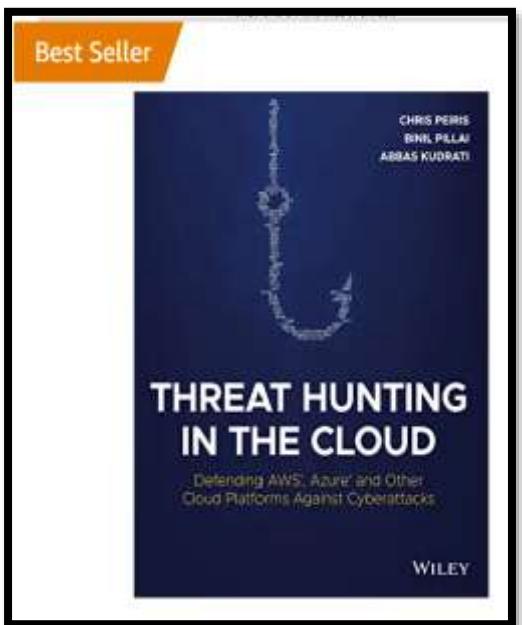
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