



Microsoft

# Monthly Tech Briefing NOVEMBER 2024



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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

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



## Microsoft 365 update information



## Trends with Microsoft Industry Solutions

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



## Showcase of the month



## Product Lifecycles

## Acquisitions and Announcements

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



# 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 >](#)

# BOOK OF NEWS

November 19 - 21, 2024

## 1. AI at Work

### 1.1. Agents ^

- 1.1.1. Out-of-the-box agents in Microsoft 365 Copilot take on specialized roles
- 1.1.2. Copilot Studio introduces autonomous agentic capabilities, agent library
- 1.1.3. Copilot Studio and Azure AI announce new tools to build agents
- 1.1.4. Copilot Studio enhances platform with new updates

### 1.2. Microsoft 365 Copilot ^

- 1.2.1. Easily delegate repetitive tasks with Microsoft 365 Copilot Actions
- 1.2.2. Analyze screen-shared content with Copilot in Teams
- 1.2.3. Copilot in Teams will summarize content of files shared in Teams chat
- 1.2.4. Copilot features in PowerPoint to enable faster creation and more inclusivity
- 1.2.5. Create a task-tailored spreadsheet template with Copilot in Excel
- 1.2.6. Updates to Copilot in Outlook will make meeting management easier
- 1.2.7. Organize multimodal notes in OneNote with Copilot
- 1.2.8. New features in Copilot Pages will aid in content creation
- 1.2.9. Microsoft Places general availability brings location understanding to Teams and Outlook
- 1.2.10. Copilot will help admins understand Microsoft 365 usage and trends
- 1.2.11. Measure AI impact with Copilot Analytics
- 1.2.12. Copilot Prompt Gallery gains new features to boost AI adoption

## 2. AI Opportunities

### 2.1. Collaboration ^

- 2.1.1. C3 AI and Microsoft forge strategic alliance to accelerate enterprise AI adoption

### 2.2. Investment in AI ^

- 2.2.1. New study reveals the ROI of generative AI, highlights 5 trends to watch

## 3. Azure

### 3.1. AI ^

- 3.1.1. Azure AI Foundry helps organizations design, customize and manage AI apps
- 3.1.2. New collaborations to accelerate end-to-end model customization
- 3.1.3. Azure AI updates assist in governance, risk and compliance workflows
- 3.1.4. Resources within Azure Essentials to help customers adopt AI at scale
- 3.1.5. Azure AI model catalog adds partner models
- 3.1.6. Azure AI Search adds generative query engine and GitHub Models integration
- 3.1.7. Azure AI Content Understanding to help developers build multimodal AI apps
- 3.1.8. Fine-tuning in Azure OpenAI Service will help developers more easily customize models for AI innovation

### 3.2. Developer Tools ^

- 3.2.1. Azure Container Apps adds serverless GPUs and dynamic sessions

### 3.3. Infrastructure ^

- 3.3.1. Azure expands adaptive cloud, introduces Azure Local infrastructure solution
- 3.3.2. Microsoft Purview integration, new regions available for Oracle Database@Azure
- 3.3.3. Azure ND GB200 V6 VMs, powered by the NVIDIA Blackwell platform, will deliver leading AI performance
- 3.3.4. Azure HBv5 virtual machines built for high performance, cost efficiency
- 3.3.5. Silicon updates for Azure infrastructure

### 3.4. Data & Analytics ^

- 3.4.1. Build intelligent apps with autonomous Fabric Databases
- 3.4.2. Microsoft Fabric adds new AI capabilities
- 3.4.3. Open Mirroring in Microsoft Fabric to bring more data estate into Fabric
- 3.4.4. New OneLake catalog offers unified solution for Microsoft Fabric data
- 3.4.5. SQL Server 2025 harnesses the power of generative AI from on-premises to cloud
- 3.4.6. Azure Managed Redis to provide cost-effective caching for AI apps

### 3.5. Quantum ^

- 3.5.1. Microsoft continues transition to reliable logical qubits

# BOOK OF NEWS

November 19 - 21, 2024



## 4. Edge

### 4.1. Edge ^

- 4.1.1. Edge management service reduces shared password risk, deploys via Intune
- 4.1.2. Scareware blocker helps shield users against cyber scams

## 5. Industry

### 5. Industry ^

- 5.1.1. Partner-enabled adapted AI models will accelerate business outcomes
- 5.1.2. Azure IoT Operations helping customers accelerate industrial transformation

## 6. Modern Work

### 6.1. Microsoft 365 ^

- 6.1.1. New Teams features will help break down language barriers
- 6.1.2. Storyline to become integrated in Microsoft Teams

## 7. Power Platform

### 7.1. Power Platform ^

- 7.1.1. New capabilities in Power Apps help leverage AI for business productivity
- 7.1.2. New AI and governance features in Power Automate will enable better automations
- 7.1.3. New capabilities for Power Pages elevate digital experiences
- 7.1.4. Power Platform admin center simplifies security and governance experience



# BOOK OF NEWS

November 19 - 21, 2024

## 8. Security

### 8.1. Security ^

8.1.1. Microsoft Security Exposure Management now generally available

### 8.2 Microsoft Purview ^

8.2.1. Microsoft Purview Insider Risk Management updates will strengthen data security

8.2.2. New controls in Microsoft 365 Copilot will help prevent data oversharing

8.2.3. Microsoft Purview data governance solution renamed Unified Catalog

8.2.4. New Microsoft Purview DLP capabilities will help prevent sensitive data loss

8.2.5. Microsoft Purview Data Security Posture Management will streamline visibility

8.2.6. Microsoft Purview Information Protection will extend Azure RMS-defined sensitivity labels

8.2.7. Microsoft Purview Data Security Posture Management for AI generally available

8.2.8. Microsoft Purview integration with Copilot Studio will boost data security

8.2.9. Security Copilot capabilities will be embedded in Microsoft Purview

8.2.10. Compliance Manager enables use of custom regulation templates

### 8.3 Security Copilot ^

8.3.1. Security Copilot updates will use generative AI to aid in security efforts

### 8.4 Intune ^

8.4.1. Microsoft Security Copilot in Intune will expand to more platforms, scenarios

8.4.2. Microsoft Intune expanding core device hardware inventory capability

8.4.3. New capabilities strengthen Microsoft's Security Service Edge solution

8.4.4. Microsoft Security Copilot will be embedded in Microsoft Entra portal

### 8.5 Defender ^

8.5.1. Microsoft Defender for Cloud to bolster container security through app lifecycle

8.5.2. Microsoft develops enhancements for Security Operations Center platform

8.5.3. Microsoft Defender for Cloud updates will enable proactive approach to security

8.5.4. Microsoft Defender for Cloud integrates with Endor Labs

8.5.5. Strengthened partner ecosystem will benefit small and medium business security

## 9. Windows

### 9.1. Windows Commercial ^

9.1.1. Console support for Teams Rooms coming to Surface Hub 3

9.1.2. Improved Windows search will make finding files more intuitive

9.1.3. New Windows 365 and Azure Virtual Desktop features aid modern work environments

9.1.4. Personal Data Encryption for known folders now generally available

9.1.5. Windows adds security and resiliency improvements

9.1.6. Evolved tools enable IT to configure and manage Windows at scale

9.1.7. Universal Print anywhere makes printing convenient, secure

9.1.8. Windows Autopatch and Hotpatch updates

9.1.9. Windows 365 Link now in preview

### 9.2. Windows Developer ^

9.2.1. New capabilities coming to Windows Copilot Runtime

9.2.2. New enhancements to Windows Developer tools

9.2.3. Enhancements coming to Windows client platform

# 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 >](#)

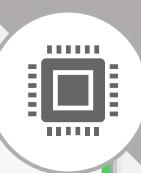
## Tokyo

March 27, 2025

[Coming soon >](#)

# Updates of Security and Compliance





Research [Zero Trust](#) · Nov 11 · 4 min read

## DoD Zero Trust Strategy proves security benchmark years ahead of schedule with Microsoft collaboration >

The Navy implementation scored a 100 percent success rate, meeting DoD requirements on all 91 Target-Level activities tested.

Ransomware

## US Healthcare at risk: Strengthening resiliency against ransomware attacks

When ransomware strikes healthcare, the prognosis can be grim: delayed treatments, compromised medical devices, and most importantly patient care at risk. Discover how to protect against these attacks and safeguard both patient safety and hospital operations.

Data security · Nov 7 · 3 min read

## More value, less risk: How to implement generative AI across the organization securely and responsibly >

The technology landscape is undergoing a massive transformation, and AI is at the center of this change.

Events [Zero Trust](#) [Microsoft Defender](#) · Oct 30 · 10 min read

## Microsoft Ignite: Sessions and demos to improve your security strategy >

Join us at Microsoft Ignite 2024 for sessions, keynotes, and networking aimed at giving you tools and strategies to put security first in your organization.

News [Analyst reports](#) [Microsoft Defender](#) · Oct 7 · 5 min read

## Microsoft Defender for Cloud remediated threats 30% faster than other solutions, according to Forrester TEI study >

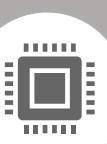
Forrester found that Microsoft Defender for Cloud markedly enhanced the security, compliance, and operational efficiency of each company participating.

News [Analyst reports](#) · Oct 15 · 5 min read

## Escalating cyber threats demand stronger global defense and cooperation >

We must find a way to stem the tide of this malicious cyber activity. That includes continuing to harden our digital domains to protect our networks, data, and people at all levels.

# 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](#) [Attacker techniques, tools, and infrastructure](#) · Oct 31 · 8 min read

### Chinese threat actor Storm-0940 uses credentials from password spray attacks from a covert network >

Since August 2023, Microsoft has observed intrusion activity targeting and successfully stealing credentials from multiple Microsoft customers that is enabled by highly evasive password spray attacks. Microsoft has linked the source of these password spray attacks to a network of compromised devices we track as CovertNetwork-1658, also known as xlogin and Quad7 (7777).

[Research](#) [Threat intelligence](#) [Microsoft Defender XDR](#) [Threat actors](#) · Oct 29 · 13 min read

### Midnight Blizzard conducts large-scale spear-phishing campaign using RDP files >

Since October 22, 2024, Microsoft Threat Intelligence has observed Russian threat actor Midnight Blizzard sending a series of highly targeted spear-phishing emails to individuals in government, academia, defense, non-governmental organizations, and other sectors. This activity is ongoing, and Microsoft will continue to investigate and provide updates as available. Based on our investigation of previous Midnight [...]

Microsoft Security Response Center

### 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 trends](#) · Oct 22 · 6 min read

### Microsoft Threat Intelligence healthcare ransomware report highlights need for collective industry action >

Healthcare organizations are an attractive target for ransomware attacks. Read our latest blog post to learn why and get strategies to protect yourself from cyberthreats.

# Digital Defense Report 2024



## Microsoft Digital Defense Report 2024

The foundations and new frontiers of cybersecurity

A Microsoft Threat Intelligence report

Microsoft customers face more than 600 million cybercriminal and nation-state attacks every day, ranging from ransomware to phishing to identity attacks. Once again, nation-state affiliated threat actors demonstrated that cyber operations—whether for espionage, destruction, or influence—play a persistent supporting role in broader geopolitical conflicts. Also fueling the escalation in cyberattacks, we are seeing increasing evidence of the collusion of cybercrime gangs with nation-state groups sharing tools and techniques.

News Analyst reports · Oct 15 · 5 min read

## Escalating cyber threats demand stronger global defense and cooperation >

We must find a way to stem the tide of this malicious cyber activity. That includes continuing to harden our digital domains to protect our networks, data, and people at all levels. However, this challenge will not be accomplished solely by executing a checklist of cyber hygiene measures but only through a focus on and commitment to the foundations of cyber defense from the individual user to the corporate executive and to government leaders.

775 million

email messages contained malware

(July 2023–June 2024)

80%

of organizations have attack paths that expose critical assets

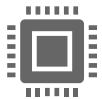
\*3X

thesefold increase in ransom attacks reaching encryption stage over the past two years

7,000

password attacks blocked per second over the past year

## Microsoft Security Response Center



### Hierarchy of cybersecurity needs

Drawing inspiration from Maslow's hierarchy of needs, this graphic illustrates a prioritization of cybersecurity, starting with the most basic need: protecting identities. AI has a role at each tier, underscoring its potential to enhance security measures. Cultivating a robust security culture within the organization, helps ensure the technological defenses and human practices evolve in concert to mitigate threats effectively.

#### → AUTOMATE SECURITY OPERATIONS

Automating security operations is the holistic approach to building on perspectives and insights across all layers in the pyramid.

#### → IMPACT

Automating processes at scale creates new opportunities for insights as well as relief for stressed defenders.

#### → DETECT AND REMEDIATE THREATS

Monitoring your ecosystem to identify anomalous activity and contain threats.

#### → IMPACT...

The ability to identify and respond quickly can limit lateral movement, contain damage to assets and deny persistence.

#### → SECURE DIGITAL ASSETS

Digital assets, whether code, traditional data stores, and now generative AI models are all key components of modern workloads.

#### → IMPACT...

Modern workloads deliver the value-add to end users who increasingly rely on their integrity and availability.

#### → PROTECT ENDPOINTS

Protected endpoints include the multiple dimensions of devices in use today – from PCs and mobile devices, to network and operational technology (OT), and servers in datacenters.

#### → IMPACT...

Effective endpoint protection can limit the repercussions of unauthorized access.

#### → PROTECT IDENTITIES

"Attackers don't break in, they log in." Credentials for both individuals and machines are the perimeter of the modern attack surface.

#### → IMPACT...

Strong identity security can greatly reduce risk exposure—particularly for ransomware attacks.



### Identity attacks in perspective

Password-based attacks continue to dominate, but can be thwarted by using strong authentication methods.

More than 99% of identity attacks are password attacks

<1% of attacks

Breach replay  
Password spray  
Phishing

Rely on predictable human behaviors such as selecting easy-to-guess passwords, reusing them on multiple websites, and falling prey to phishing attacks.

#### MFA attacks

SIM swapping  
MFA fatigue  
ATM

#### Post-authentication attacks

Token theft  
Consent phishing

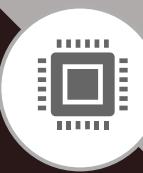
#### Infrastructure compromise

Often silently executed by professional groups or nation-state-backed threat actors with sophisticated operations, making them very hard to detect. Threat actors may compromise an on-premises federation server and copy its private signing key to forge tokens, compromise a privileged cloud user and add new federation contracts, or compromise a non-human workload identity and create new credentials with elevated privileges.

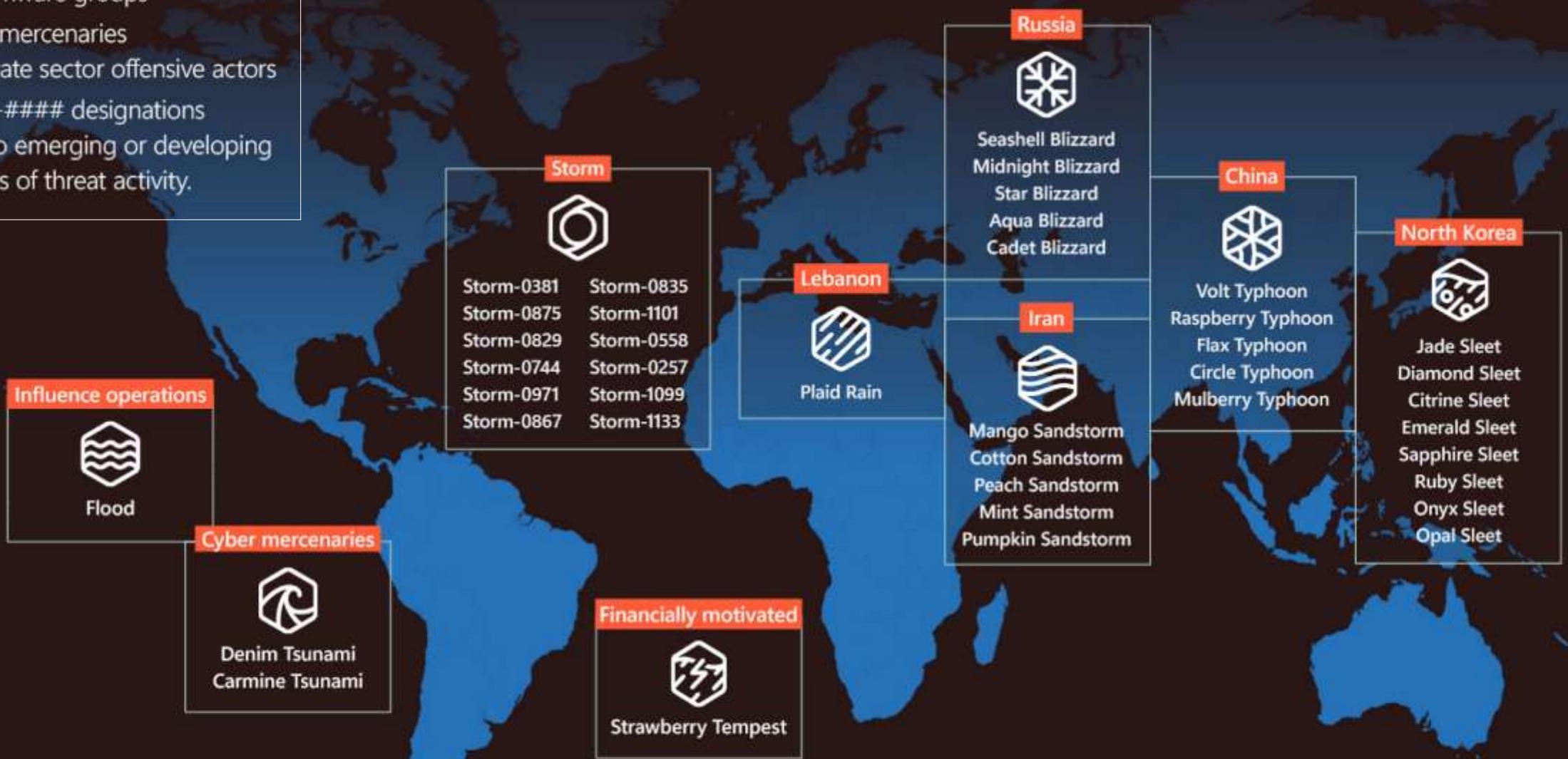
Source: Microsoft Threat Intelligence

# Tracked activity

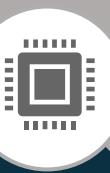
- Nation-state actors
- Ransomware groups
- Cyber mercenaries
- or private sector offensive actors
- Storm-#### designations refer to emerging or developing clusters of threat activity.



# 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



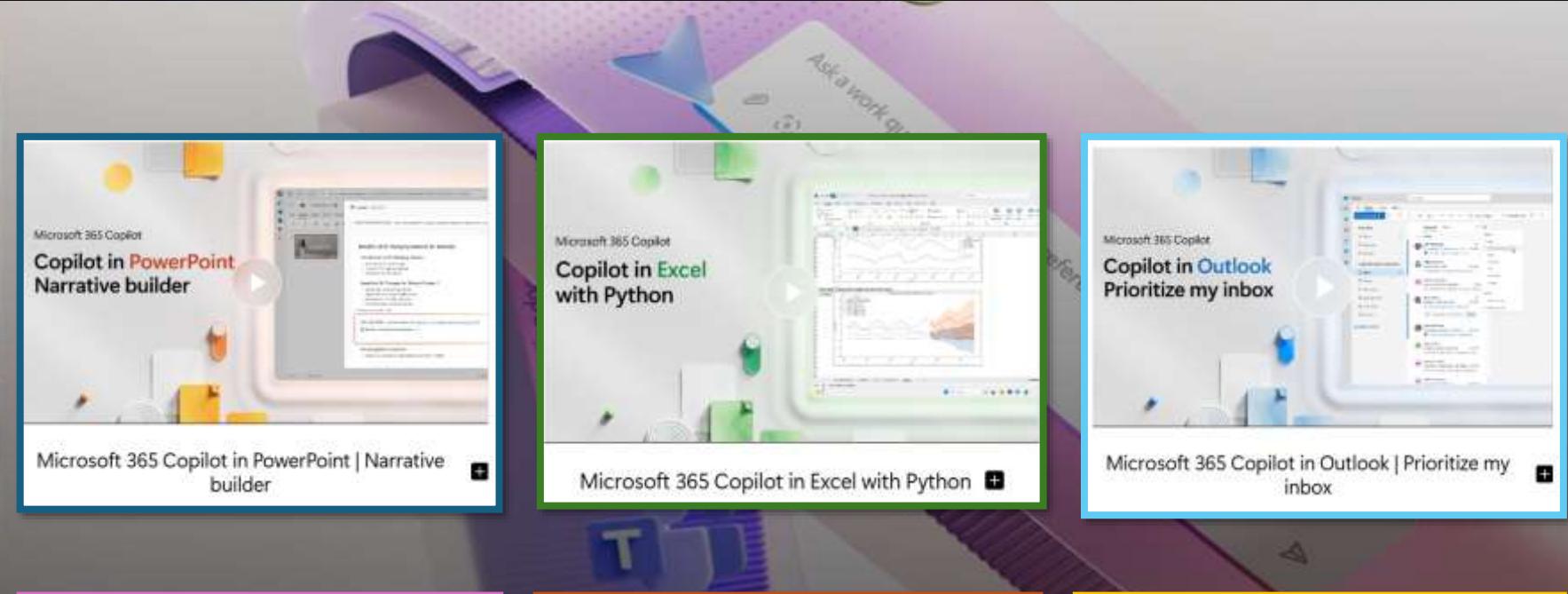
# The next phase of Microsoft 365 Copilot innovation



Microsoft

## Microsoft 365 Copilot: Wave 2

Play button



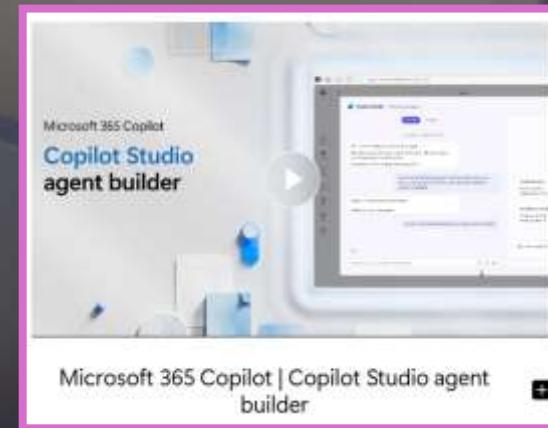
Microsoft 365 Copilot in PowerPoint | Narrative builder

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

# Microsoft AI



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.

Nov 7 • 7 min read

## German ingenuity meets the power of AI to shape the future of industries ↗

Germany's advancing AI capabilities have been supported by significant investments and partnerships, with Microsoft playing a pivotal role.

Oct 28 • 4 min read

## Harnessing AI to supercharge personalized marketing at scale ↗

As we transition from hype to reality, brands are shifting from basic generative AI applications like content and tagline generation and to...

Oct 22 • <1 min read

## A new Copilot tool will give Institut Curie researchers more time to focus on cancer ↗

Oct 17 • 7 min read

## Enlit Europe 2024: Rewiring the energy industry's operational core with cloud and AI ↗

Whether it's optimizing energy distribution and enhancing customer experiences or driving efficiency and increasing productivity across...

Oct 23 • 9 min read

## Discovering Rome's hidden treasures with an AI virtual assistant ↗

On a sunny Monday morning in late September, a river of travelers flowed slowly through the Piazza della Rotonda. The focal point of the piazza...

November 14, 2024 • 5 min read

## From questions to discoveries: NASA's new Earth Copilot brings Microsoft AI capabilities to democratize access to complex data ↗

Every day, NASA's satellites orbit Earth, capturing a wealth of information that helps us understand our planet. From monitoring wildfires to tracking climate change, this vast...

Business impact · Published November 6, 2024 · 5 min read

## A strategic approach to assessing your AI readiness ↗

We've created a new AI Readiness Wizard to help you get started in evaluating your preparedness.

Business impact · Published November 13, 2024 · 13 min read

## Workers in all kinds of roles and industries count on Copilot to do more — in less time ↗

Workers in all kinds of roles and industries count on Copilot to do more — in less time. Written by Susanna Ray Published November 12, 2024 Category AI Veterinarians are spending more time with pets and less time typing notes. Factory workers are "talking" to their machines to diagnose problems faster.

# 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 applicable<sup>1</sup>

1-Feb-2025  
Prohibitions on certain AI practices will take effect<sup>1</sup>

1-Aug-2027  
Rules for AI systems embedded into regulated products will apply<sup>1</sup>

## EU AI Act Principles

Categorization

Transparency

Accountability

Conformity assessments

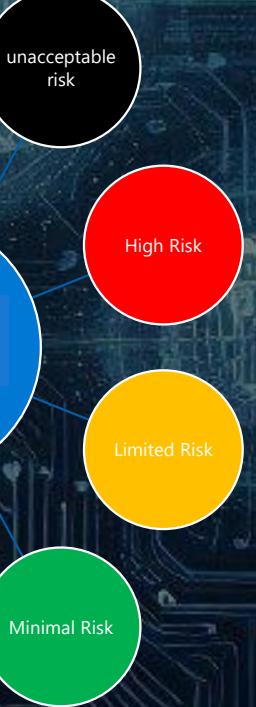
four risk categories

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

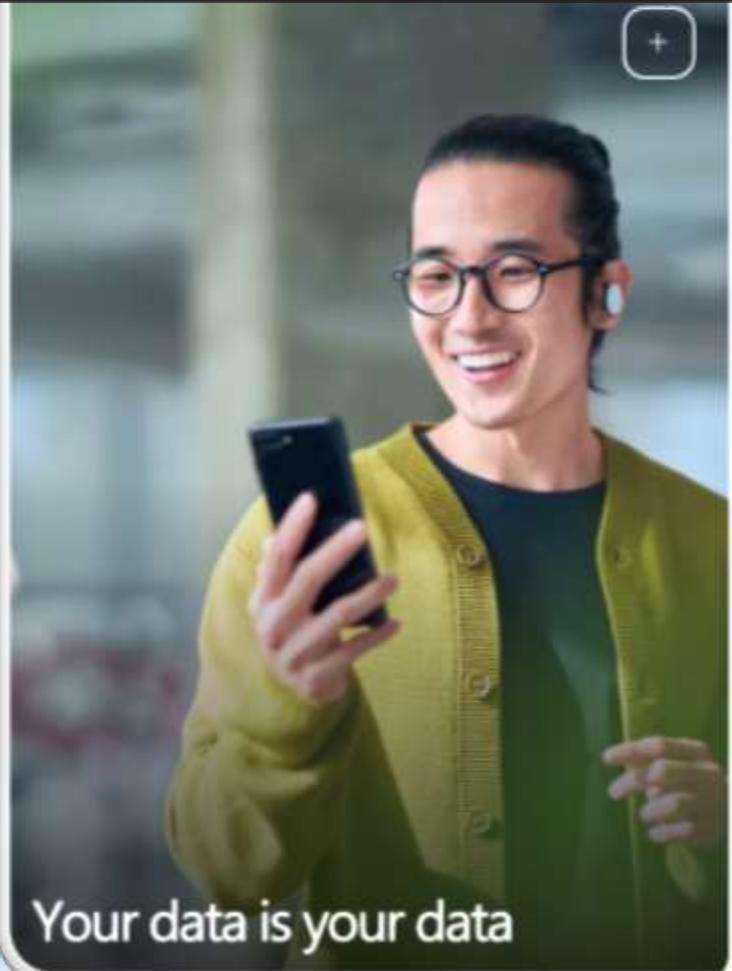


# Microsoft AI runs on Trust



## 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. The background is a soft, out-of-focus grey.

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

**Putting principles into practice at Microsoft**

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

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

New 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

- ❖ [Copilot Lab: Prompt guidance and a library of prompts to try](#)
- ❖ [Exchange Server Security Updates](#)
- ❖ [Windows News :: October 2024 Edition](#)
- ❖ [Entra Built-In Security Controls for External-Facing apps](#)
- ❖ [Updates to Security Defaults](#)
- ❖ [Windows IT Pro Blog](#)
- ❖ [Microsoft Entra \(Azure AD+\) Blog](#)
- ❖ [Microsoft OneDrive Blog](#)
- ❖ [Microsoft SharePoint Blog](#)
- ❖ [M365 Technical Documentation](#)

Microsoft 365 Enterprise · Published November 7, 2024 · 4 min read

## The latest on AI at work: November 2024 >

For Microsoft and our customers, work is changing at the speed of AI. To help you stay ahead, we'll share monthly highlights of new Microsoft Copilot innovations, plus the latest from our customers on how they're getting the most value from Copilot.

Microsoft 365 Copilot Small business · Published October 17, 2024 · 5 min read

## Microsoft 365 Copilot drove up to 353% ROI for small and medium businesses—new study >

As a small or medium-sized business (SMB) leader, you've likely heard a lot about generative AI and how it's transforming businesses of all sizes. To better understand how AI is helping businesses grow and compete, Microsoft commissioned Forrester Consulting to study the potential return on investment (ROI) of Microsoft 365 Copilot for SMBs.

## [Loop governance, lifecycle, manageability for IT Admins – Nov 2024](#)

Dive into our latest update on Loop governance, lifecycle, and manageability tailored just for IT admins! Discover how Loop's seamless integration with...

diancontoso · Microsoft 365 Blog

Nov 11, 2024

## [Announcing mandatory multifactor authentication for the Microsoft 365...](#)

Learn how multifactor authentication (MFA) can protect your organization and how to prepare for the upcoming Microsoft 365 admin center MFA...

Samer Baroudi · Microsoft 365 Blog

Nov 11, 2024

# 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: Chat for organizers and presenters in town hall Rollout Start: November 2024
- Microsoft Teams: Embed Support for Teams town hall Rollout Start: November 2024
- Microsoft Teams: Volume ratio control for language interpretation Rollout Start: November 2024
- Microsoft Teams: Event Chat for town halls (Premium) Rollout Start: November 2024
- Microsoft Teams: Cloud Intelliframe video feed support extended to Teams Rooms on Android and Teams mobile devices Rollout Start: November 2024
- Microsoft Teams: Improved People Search Rollout Start: November 2024
- Microsoft Teams: Microsoft Mesh app on PC supports guest access for events Rollout Start: November 2024
- Microsoft Teams: Brand Impersonation Protection for Teams Messaging Rollout Start: November 2024
- Microsoft Teams: Voice and face data export controls Rollout Start: November 2024
- Microsoft Teams: Host and attendee interaction visibility for multi-room Mesh events Rollout Start: November 2024
- Microsoft Teams: New Microsoft Teams chat and channels experience Rollout Start: November 2024
- Microsoft Teams: Users can opt-in to try the new calendar in Teams Rollout Start: November 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 Teams: Notification in Activity feed and banner when intelligent meeting recap is ready Rollout Start: October 2024
- Outlook: Updates to mail sharing functionality with Cloud Policy Service when setting "Turn off sharing recommendation" Rollout Start: October 2024
- SharePoint: Customize your individual sites and experiences with fonts and themes Rollout Start: October 2024
- Outlook: Offline app boot Rollout Start: October 2024



# Microsoft Teams Blog:



Introducing the new Microsoft Teams chat and channels experience

Our customers are our greatest source of inspiration, and over the years we have evolved Teams with the goal of helping them achieve more. Today we are...

Nogaro • Microsoft Teams Blog

Oct 28, 2024

What's New in Microsoft Teams | October 2024

9 MIN READ

This month, we have even more updates to share that are bringing intelligence, convenience, and productivity together in Teams. A few that I'm most...

Pete\_Daderko • Microsoft Teams Blog

Oct 31, 2024

What's New in Microsoft Teams | October 2024



Microsoft Teams progressive web app now available on Linux



Anupam\_Pattnaik • Microsoft

Nov 07, 2022

We're excited to announce the general availability of support for the Microsoft Teams progressive web app (PWA) as a feature of our current web client for Linux customers.

Anupam\_Pattnaik • Microsoft Teams Blog

Oct 28, 2024

MICROSOFT TEAMS BLOG 2 MIN READ

Queues app for Microsoft Teams now generally available

In today's fast-paced world, customer centricity is more important than ever. As organizations strive to meet the evolving needs of their customers, the...

CassandraMarrero • Microsoft Teams Blog

Oct 23, 2024

MICROSOFT TEAMS BLOG 2 MIN READ

Digital signage in Teams Rooms brings your messages to your meeting spaces

Digital signage on Microsoft Teams Rooms expands communications into your meeting spaces, enhancing employee engagement and connection....

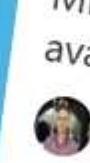
HenrikalLim • Microsoft Teams Blog

Oct 29, 2024

MICROSOFT TEAMS BLOG 2 MIN READ

Prompt Like a Pro: Powering effective communication with Microsoft 365 Copilot in Teams Phone

Prompt Like a Pro: Powering effective communication with Microsoft 365 Copilot in Teams Phone



DanielaChocron • Microsoft Teams Blog

Oct 17, 2024

MICROSOFT TEAMS BLOG 2 MIN READ

Get the most out of any Teams Rooms meeting with speaker recognition and Copilot



Christian Schacht • Microsoft

Jul 09, 2024

AI-powered speaker recognition technology has now expanded to all Teams Rooms on Windows devices, regardless of the microphone type. This was previously only available with intelligent speaker equipment in the room. Now any Teams Room on Windows can enhance meeting experiences with precise speaker attribution and intelligent insights from Copilot. Everyone can be recognized and get the most from Copilot with our cloud technology. Teams Rooms devices such as Surface Hub 3, and other devices certified from partners.



HenrikalLim • Microsoft Teams Blog

Oct 29, 2024

HenrikalLim • Microsoft Teams Blog

Oct 29, 2024



# 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

### Viva Glint Support and Technical Resources

Technical Enablement: Once you've  
completed the foundational  
enablement for implementation and...

Extend Viva Connections  
with pre-built 3rd party...

Viva Connections is the gateway for  
the employee experience and  
provides an extensible platform...

EdAverett • Viva Connections Blog

Nov 12, 2024

### The new Yammer Administrator role is now...

A new role specifically for Yammer  
administrators is now generally  
available in Azure Active Directory...

### Viva Amplify Roadmap Blog

As we continue to innovate and  
enhance Microsoft Viva, we're excited  
to share a glimpse into the future of...

### Smart HR: Leveraging AI for Better People Management

Welcome to our latest blog post in  
the AI Empowerment series! In a  
recent webinar, we explored the wor...

### Viva Engage Explained: The Feed

The Viva Engage home feed drives  
discovery and engagement across  
communities and Storylines in a...

# Microsoft Power Platform :: Power Platform Blog



Power Pages

## 2024 release wave 2 launches with hundreds of Copilot capabilities >

Enterprise resource planning (ERP) platforms were designed to help integrate the fragmented processes that comprise the operation of a large enterprise. But the way we do business keeps fundamentally changing.

[Building Power Apps](#) · [Building Power Apps](#) · November 12, 2024 · 2 min read

## Creating and explaining formulas with Copilot now even easier >

Power Apps introduces the new 'Create a Formula' feature, making it easier than ever to build and edit Power Fx formulas. Plus, now you can explain partial formulas too!

## Power BI October 2024 Feature Summary

[Announcements](#) · [Features](#) · [Power BI](#)

October 15, 2024 by [Jason Himmelstein](#)

We have a lot of exciting updates to share with you this month. Quick measure suggestions with Copilot to be replaced with Microsoft Fabric Copilot, we have an update with Azure Map – Data Bound Reference Layers, and a preview of New List Slicer. There's a lot more to discover, so read on to see all we have for you this month.

## Introducing Copilot in Power BI Mobile Apps (Preview)

[Announcements](#) · [Copilot](#) · [Power BI](#) · [Power BI Mobile](#)

November 11, 2024 by [Michal Foster Hedly](#)

We are thrilled to announce the release of Copilot in Power BI Mobile apps! This new feature brings the power of AI directly to your fingertips, enhancing your mobile experience and offering a quick and simple way to dive into your data while on the go.

[Application Lifecycle Management \(ALM\)](#) · [ALM](#) · November 11, 2024 · 2 min read

## Introducing Git Integration in Power Platform (preview) >

Now in public preview, Git Integration provides a streamlined experience for developers and citizen developers to build solutions together using the same development processes and best practices. Fusion teams are more productive with familiar Git functionality available directly within their environment.

[Copilot Studio](#) · Nov 4 · 6 min read

## What's new in Copilot Studio: November >

By [Omar Aftab](#)

Welcome to the What's new in Copilot Studio series. This series will provide all the exciting announcements and updates from Microsoft Copilot Studio.



Visit our product blogs

[Power BI](#)

[Microsoft Copilot Studio](#)

[Power Automate](#)

[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.

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

## [Transform HR with AI-powered agents >](#)

By [Nikesh Parekh](#), GM Copilot Accelerator

Human Resource (HR) professionals juggle numerous responsibilities as they strive to align organizational goals with human potential. In addition to hiring and retaining talent, they must manage a global workforce with hybrid models, ensure employee satisfaction, and maintain a strong employer brand.

# Dynamics and Business Applications

[Business Decision Makers](#) · Oct 29 · 5 min read

## 2024 release wave 2 launches with hundreds of Copilot capabilities >

Enterprise resource planning (ERP) platforms were designed to help integrate the fragmented processes that comprise the operation of a large enterprise. But the way we do business keeps fundamentally changing.

[Business Decision Makers](#) [News and product updates](#) [Dynamics 365 Customer Service](#) · Published October 21, 2024 · 4 min read

## Transform work with autonomous agents across your business processes >

Introducing 10 new autonomous agents in Microsoft Dynamics 365 to build capacity for every sales, service, finance, and supply chain team.

[Business Decision Makers](#) [Events](#) [Dynamics 365 Business Central](#) · Published October 16, 2024 · 2 min read

## Explore what's new for Copilot and Dynamics 365 at the Business Applications Launch Event >

Register today for this virtual event on Tuesday, October 29, 2024, where we will showcase highlights from release wave 2.

Roadmaps and Release plans:



### [IT Professionals](#) [News and product updates](#) [Dynamics 365 Sales](#) · Published November 7, 2024 · 1 min read

## Boost seller productivity with document summary by Copilot in Dynamics 365 Sales >

New summarization capabilities provided by Copilot in Dynamics 365 Sales, allow sellers to obtain pertinent details from sales documents in minutes. Sellers quickly gain insights into customer requirements, budget details, timelines, and main decision makers. Enabling them to prepare for prospect meetings more effectively and engage in more informed and meaningful conversations.

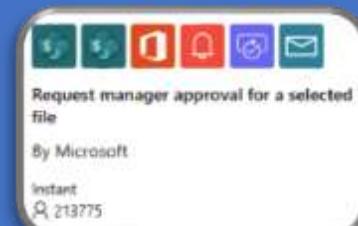
[IT Professionals](#) · Oct 31 · 2 min read

## The next chapter for the Schedule Board: Enhanced Usability and Performance >

Today, we are thrilled to unveil the dramatically enhanced Schedule Board on Universal Resource Scheduling. At the core of this update, we are moving from the legacy ExtJS to a modern React component for the schedule board. Our guiding principle for this upgrade has been visual parity. The Resource panel, Requirements panel, Filters, and Views are all exactly as you know and love. But look closer, and you'll discover the subtle enhancements we've made based on your valued feedback.



Save Office 365 email attachments to specified OneDrive for Business folder  
By Microsoft Power Automate Community  
Automated  
245526



Request manager approval for a selected file  
By Microsoft  
Instant  
Q\_213775

[IT Professionals](#) · Oct 30 · 3 min read

## Migrate from Customer Service Hub to Customer Service workspace >

Starting February 2025, new Customer Service customers with Enterprise licenses will only see the Customer Service workspace app. The Customer Service Hub (CSH) app will no longer be available for all new organizations with Enterprise licenses. The recent release wave introduced an exciting set of new features to help support representatives be more productive. Dynamics

[Business Decision Makers](#)  
[Analyst reports](#)  
[Dynamics 365 Sales](#) · Oct 31 · 5 min read

## Microsoft named a Leader in the 2024 Gartner® Magic Quadrant™ for Sales Force Automation Platforms >

Microsoft has been recognized as a Leader in the 2024 Magic Quadrant for Sales Force Automation for the fourteenth consecutive year.

# Developer and GitHub

With 12,000 developers using GitHub Copilot, Accenture doubles down on GitHub's platform.

[Read the story >](#)

## Bringing developer choice to Copilot with Anthropic's Claude 3.5 Sonnet, Google's Gemini 1.5 Pro, and OpenAI's o1-preview

At GitHub Universe, we announced Anthropic's Claude 3.5 Sonnet, Google's Gemini 1.5 Pro, and OpenAI's o1-preview and o1-mini are coming to GitHub Copilot—bringing a new level of choice to every developer.

October 29, 2024

## Attacking browser extensions

Learn about browser extension security and secure your extensions with the help of CodeQL.

Kevin Stublings · October 24, 2024

## How developers spend the time they save thanks to AI coding tools

Developers tell us how GitHub Copilot and other AI coding tools are transforming their work and changing how they spend their days.

Klinton Finley · November 14, 2024

## New from Universe 2024: Get the latest previews and releases

Find out how we're evolving GitHub and GitHub Copilot—and get access to the latest previews and GA releases.

Mario Rodriguez · October 29, 2024

## GitHub Blog and Changelog

- [Persistent commit signature verification :: Public Preview](#)
- [The GitHub Enterprise Server 3.15 Release Candidate is available](#)
- [Secret scanning: ability to add an optional comment when reopening alerts](#)
- [Push protection bypass request details are included in the REST API, webhooks, and audit logs for secret scanning alerts](#)
- [Copilot content exclusion is now generally available in IDEs](#)
- [Upcoming changes to data retention for Events API, Atom feed, /timeline and /dashboard-feed features](#)
- [Updated limits for GitHub App private keys and scoped tokens](#)
- [Organizations can now enable 2FA requirement without removing non-compliant members \(GA\)](#)
- [Copilot Immersive update for Copilot Enterprise customers](#)
- [EMU OIDC CAP support is now enhanced to protect web sessions :: Public Preview](#)
- [Copilot subscription-based network routing is now enforced](#)
- [Claude 3.5 Sonnet is now available to all Copilot users :: Public Preview](#)

## Microsoft Developer Blogs:

- [Announcing .NET 9](#)
- [Calling methods is easier and faster with C# 13 params collections](#)
- [Introducing the .NET Aspire Community Toolkit](#)
- [Join Us at Microsoft Ignite: Unlock GitHub Copilot's New Potential in Visual Studio](#)
- [Learn how to create a Client-Server Application in under 45 Minutes in the new Season of AI](#)
- [What's New for C++ Developers in Visual Studio 2022 17.12](#)
- [Enhanced Breakpoint Expressions for C++ Debugging in Visual Studio](#)
- [Microsoft's Agentic AI Frameworks: AutoGen and Semantic Kernel](#)
- [Working with Audio in Semantic Kernel Python](#)
- [.NET and .NET Framework November 2024 servicing releases updates](#)

## Octoverse: AI leads Python to top language as the number of global developers surges

In this year's Octoverse report, we study how public and open source activity on GitHub shows how AI is expanding as the global developer community surges in size.

GitHub Staff · October 29, 2024

## The enterprise guide to AI-powered DevSecOps

Learn about core challenges in DevSecOps, and how you can start addressing them with AI and automation.

[Learn more >](#)



# Office Developer Blogs and Microsoft 365 Dev Center



What's new  
Microsoft 365 Copilot developer tooling



Oct 31, 2024



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## What's new for Microsoft 365 Copilot developer tooling

Jeremy Thake

Learn how declarative agents, now generally available, can quickly and easily integrate your enterprise data securely with Microsoft 365 Copilot.

Nov 13, 2024



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## New Microsoft Graph callRecords API capabilities in GCCH and DoD

Matthew McGrath

Read about the new capabilities for the Microsoft Graph callRecords API coming to GCCH and DOD environments in December.

Nov 14, 2024



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## Filtered change notifications in Microsoft Graph callRecords API are now available

Matthew McGrath

We are pleased to announce that you can now optionally filter change notifications for the callRecord Graph API by participant Entra Object IDs.

## Specify runtime requirements in app manifest: Your key to success across Microsoft 365

Adam Li

To streamline building apps for Microsoft 365, we are rolling out the ability to specify runtime requirements in your app manifest—a key feature that optimizes functionality across...

## Dev Proxy v0.22 with improved checking minimal API permissions and logging

Waldek, Garry

We're excited to share with you a new version of Dev Proxy that helps you build robust apps connected to APIs.

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

- [Integrate an Azure Function with your Excel custom function](#)
- [Outlook add-in with SSO using nested app authentication](#)
- [Manage citations in a Word document](#)
- [Create a spreadsheet from your web page, populate it with data, and embed your Excel add-in](#)
- [Implement SSO in events in an Outlook add-in using nested app authentication](#)
- [Office Add-in that supports Single Sign-on to Office, the Add-in, and Microsoft Graph](#)
- [Get OneDrive data using Microsoft Graph and msal.js in an Office Add-in](#)
- [Office Add-in First-run Experience Tutorial - Completed](#)
- [Broadcast message to organization using activity feed notification \(Graph APIs\)](#)

## 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



Manufacturing and mobility •

Nov 12 • 5 min read

## Transforming the travel industry through innovation and collaboration: World Aviation Festival 2024 >

The 2024 World Aviation Festival in Amsterdam was an exhilarating event, reflecting the revitalization of the travel and aviation industry.

Government • Nov 12 • 5 min read

## Empowering defense operations with Microsoft AI >

Read how AI and cloud computing enhance defense operations with real-time data processing, improved decision-making, and human-machine teaming.

Telecommunications • Nov 11 •

5 min read

## AI-powered customer care elevates customer satisfaction >

Telecom operators worldwide are increasingly adopting AI technologies to overcome challenges and elevate customer experiences.

Retail • Nov 7 • 6 min read

## Delivering your supply chain copilot: Prioritizing areas of ROI >

As the world becomes increasingly complex, leading organizations are gravitating towards technology to accelerate supply chain optimization with greater speed and precision to shift the paradigm from a reactive mode of operating to one that is proactively getting ahead.

General • Nov 6 • 4 min read

## A strategic approach to assessing your AI readiness >

In this blog post, we'll share some learnings to help you gauge your AI readiness so you can plan how to move forward effectively.

Retail • Oct 28 • 4 min read

## Harnessing AI to supercharge personalized marketing at scale >

As we transition from hype to reality, brands are shifting from basic generative AI applications like content and tagline generation and to evaluating comprehensive business processes that leverage generative AI to accelerate timelines, unlock more value, and drive increased growth.

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.

Financial services • Nov 13 • 4 min read

## Beyond Money20/20 USA: Microsoft partners redefining financial services >

In this blog, we dive into how Microsoft and its partners are delivering AI-powered solutions that help financial organizations lead in today's landscape.



# 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.

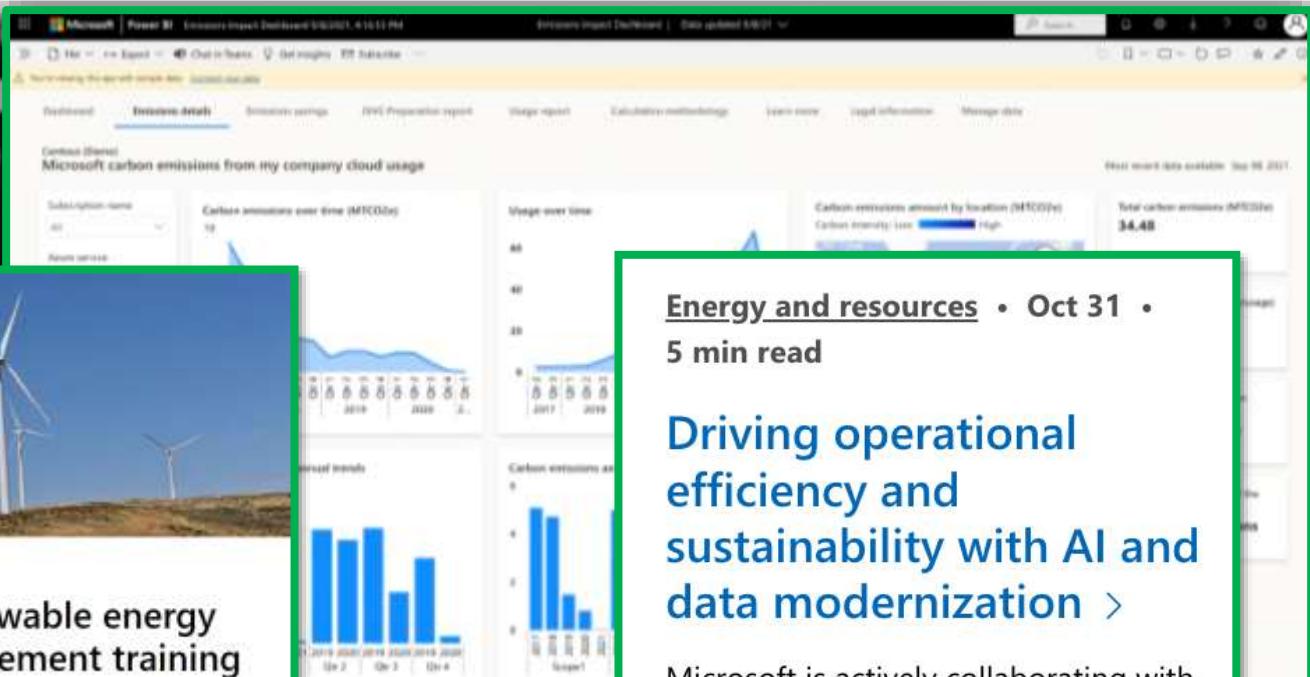
[Get started >](#)

## 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 >](#)



[Energy and resources](#) • Oct 31 •  
5 min read

### Driving operational efficiency and sustainability with AI and data modernization >

Microsoft is actively collaborating with energy companies on industrial carbon management solutions to help modernize and transform the industry.

## Using AI to help conserve drinking water

Leaking pipes form an insidious enemy, accounting for average losses of 30 percent of piped drinking water across the world. As part of our work to replenish water in the regions we operate, a new AI-powered tool is making the process to identify leaks faster and more accurate.

# The 2024 Impact Summary

## How can we expand opportunity?

We believe economic growth and opportunity must reach every person, organization, community, and country. This starts with ensuring everyone has the skills to thrive in a digital, AI-enabled economy, and extends to empowering nonprofits, entrepreneurs, and other organizations to digitally transform and address society's biggest challenges.



## How can we earn trust?

To create positive impact with technology, people need to be able to trust the technologies they use and the companies behind them. That's why we're committed to the responsible development and use of AI, protecting privacy, and advancing digital safety and cybersecurity.



## How can we protect fundamental rights?

When our technology changes the world, we have a responsibility to protect people's fundamental rights while extending the benefits of technology and working to mitigate potential harm. For us, this means promoting responsible business practices, expanding accessibility and connectivity, and advancing fair and inclusive societies.



## How can we advance sustainability?

Climate change is the defining issue of our generation, and addressing it requires swift, collective action and technological innovation. We are committed to meeting our own goals while enabling others to do the same. That means taking responsibility for our operational footprint and accelerating progress through technology.



Fiscal year 2024 was a pivotal year for Microsoft. We entered our fiftieth year as a company and the second year of the AI platform shift. I've found myself reflecting on how Microsoft has remained a consequential company for decades. And I realize it's because—time and again—we have seized the opportunity to reinvent ourselves. That's what we are doing again today.

Microsoft was founded in 1975 with a belief in creating technology that would enable others to create their own. Nearly 50 years later, this remains at the heart of our mission to **empower every person and every organization on the planet to achieve more**.

Today, we are moving from talking about AI to translating it into real impact—one customer, one community, and one country at a time. While we have made outstanding progress, we do not take our permission to innovate—let alone operate—for granted.

Microsoft will do well only if the world around us does well. That's why we focus on four enduring commitments. They push us to ensure the technology we create benefits everyone on the planet, as well as the planet itself—always asking ourselves:

- How can we expand opportunity?
- How can we earn trust?
- How can we protect fundamental rights?
- How can we advance sustainability?



This is a consequential time for our company, our industry, and the world. What we do with the unique opportunity we have been given will shape the future. I look forward to seeing how each of us uses Microsoft as a platform to make a difference.



  
Satya Nadella

Chairman and CEO,  
Microsoft

[Read Satya's Annual Shareholder Letter](#)

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](#) • Nov 11 • 5 min read

Enhance the security and operational capabilities of your Azure Kubernetes Service with Advanced Container Networking Services, now generally available >

By [Chandan Aggarwal](#), Partner Group Engineering Manager, Microsoft Azure; [Deepak Bansal](#), Corporate Vice President and Technical Fellow, Microsoft Azure

With the increased adoption of cloud-native technologies, containers and Kubernetes have become the backbone of modern application deployments. Microservices-based container workloads are easier to scale, more portable, and resource-efficient.

[Announcements](#) • Nov 6 • 7 min read

Announcing the availability of Azure OpenAI Data Zones and latest updates from Azure AI >

By [Asha Sharma](#), Corporate Vice President, AI Platform

Summarizing new capabilities this month across Azure AI portfolio that provide greater choices and flexibility to build and scale AI solutions.



[Announcements](#) • Nov 6 • 5 min read

Discover innovative AI solutions with the Microsoft commercial marketplace ↗

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

As organizations embrace AI transformation, they are searching for next-generation applications that deliver real business value. McKinsey estimates that 67% of organizations will invest more in AI

[Announcements](#) • Oct 17 • 4 min read

Leverage Microsoft Azure tools to navigate NIS2 compliance >

By [Molly Bostic](#), Partner Group Program Manager, Microsoft Cloud + AI

Microsoft Azure helps organizations build NIS2 compliance strategies with robust cybersecurity, centralized management, and continuous monitoring.

Unlocking the future: Azure networking updates on security, reliability, and high availability >

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

Our latest enhancements strengthen core network capabilities for mission-critical applications running in the cloud.

[Thought leadership](#) • Oct 28 • 4 min read

Accelerate scale with Azure OpenAI Service Provisioned offering >

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

With the new enhancements to Azure OpenAI Service Provisioned offering, we are taking a big step forward in making AI accessible and enterprise-ready.

## Updates & Announcements

- ❖ [App Service Environment memory intensive pricing tier](#)
- ❖ [Da/EA/Fav6 series AMD based virtual machines](#)
- ❖ [How to make AI training faster - Microsoft Community Hub](#)
- ❖ [Boost your AI with Azure's new Phi model, streamlined RAG, and custom generative AI models | Microsoft Azure Blog](#)
- ❖ [Harnessing Microsoft Dev Box and Azure Deployment Environments](#)
- ❖ [On-Demand backups for Azure Database for PostgreSQL-Flexible Server :: Public Preview](#)
- ❖ [Apache AGE graph support in Azure Database for PostgreSQL :: Public Preview](#)
- ❖ [Azure Database for MySQL – Flexible Server Business Critical service tier are now zone-resilient by default](#)
- ❖ [Standby Pools for Virtual Machine Scale Sets with Flexible Orchestration](#)
- ❖ [Azure Bastion now supports Microsoft Entra ID authentication for SSH connections](#)
- ❖ [Advanced Container Networking Service for Azure Kubernetes](#)
- ❖ [LangChain.js integration with Azure Cosmos DB](#)
- ❖ [Azure Chaos Studio's faults for Azure Kubernetes Service clusters and managed identity authentication](#)
- ❖ [Ignore PDBs on node pool deletion](#)
- ❖ [Azure Virtual Network Manager user-defined route \(UDR\) management](#)
- ❖ [vCore-based Azure Cosmos DB for MongoDB with an API for cluster management](#)
- ❖ [Azure cross-subscription Load Balancer](#)
- ❖ [Confidential Containers on Azure Red Hat OpenShift \(ARO\) :: Public Preview](#)
- ❖ [Azure File Sync support for managed identities :: Preview](#)

# Microsoft Fabric :: Blog

## Next Generation Analytics



### Data Control end-to-end

Microsoft Fabric—an analytics platform that brings the data and analytics organizations need:

Data Factory (Data Integration)

Synapse Data Engine

Synapse Data Warehouse

Synapse Data Science

Synapse Real-Time Analytics

Power BI (Business Intelligence)

Data Activator (coming soon)

DIFFERENTIATORS

Experience the next generation in analytics

Complete data platform

Lake

## Fabric October 2024 Monthly Update

October 30, 2024 by Patrick LeBlanc

66,473 Views

Welcome to the October 2024 Update! Here are a few highlights of the many we have for Fabric this month. API for GraphQL support for Service...

Continue reading "Fabric October 2024 Monthly Update"

Fabric October 2024 Monthly Update

October 30, 2024 by Patrick LeBlanc

66,473 Views

Welcome to the October 2024 Update! Here are a few highlights of the many we have for Fabric this month. API for GraphQL support for Service...

Continue reading "Fabric October 2024 Monthly Update"

Microsoft Fabric Items

Endorsed items by workspace

Workspace name	Certified	Promoted	None
Admin monitoring	0	0	2
Contoso Finance	0	0	45
Contoso HR	0	0	24
Contoso IT	0	0	15
Contoso Marketing	0	0	19
Contoso Operations	0	0	6
Contoso Sales	0	15	131
fabric	0	0	0
MFWorkspace	0	0	16
MUDC Demo	0	0	14
Microsoft Fabric	0	0	3
Capacity Metrics	0	0	3
Microsoft Fabric	0	0	3
Capacity Metrics	0	0	3
Total	0	15	313

Items by workspace

Workspace	Count
Contoso Sales	45
Contoso HR	24
NewellHallWork...	24
Contoso Mark...	19
MFITC Demo	15
MFWorkspace	16
Contoso IT	15
Contoso Opera...	9
MSU Contoso Sales	8
Microsoft Fabr...	3
Microsoft Fabr...	3
Microsoft Fabr...	3
Admin monitor...	2
PersonalWorks...	1
NA	1

16 Workspaces

332 Endorsed items

16 Certified vs Promoted items

Real-time analytics

Explore and analyze large volumes of streaming data in real-time with high performance and low latency.

Learn more

Data engineering

Design systems to help you organize and analyze large volumes of data.

Learn how

Data science

Use AI tools to build end-to-end workflows, enrich data, and improve insights.

Learn how

Data warehouse

Scale compute and storage independently with industry-leading SQL performance.

Learn how

Data monitoring and action

Drive timely actions by creating automated monitoring systems to detect patterns and changes.

Learn more

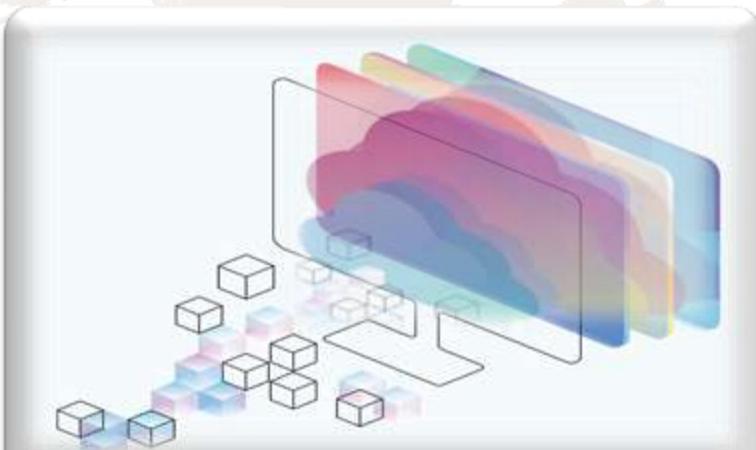
Business intelligence

Turn your data into visually immersive, interactive insights and embed them in Microsoft 365.

Learn more



# Azure Services Directory

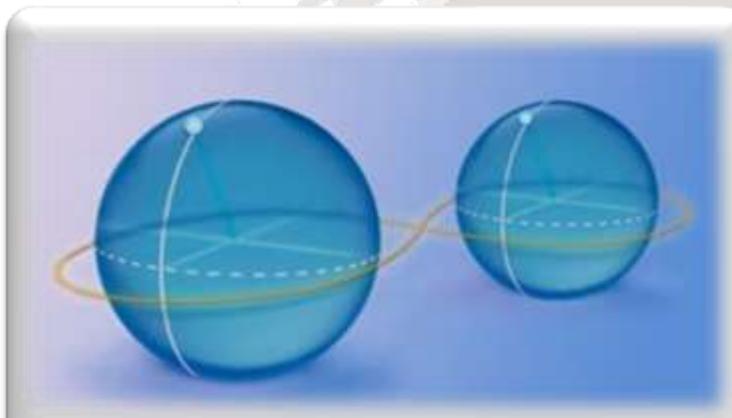


## Azure Compute Fleet :: Preview

Easily provision and manage Azure compute capacity at scale

### Azure Compute Fleet :: Preview

- ❖ Obtain compute capacity based on workload needs and scale up to 10,000 VMs in a single fleet
- ❖ Spend less money and time with fleet automation tools
- ❖ Choose deployment options based on criteria such as VM types, prices, replacements, and allocation strategies
- ❖ Maintain compute capacity through automated Spot VMs, VM Mix, and cross-zonal deployment capabilities / features
- ❖ Automatic Fleet recommendations
- ❖ Set Spending controls
- ❖ [Quick Start Strategies](#)



## Azure Quantum Cloud Service

Get innovative quantum hardware, software, and solutions in a single cloud service

### Azure Quantum Cloud Services

- ❖ Get started with Quantum today
- ❖ Prepare for Scaled quantum computing across a diverse portfolio of today's quantum hardware
- ❖ Leverage an open-source development kit that works with modern environments supporting Q#, Qiskit, and Cirq.
- ❖ [Estimate resources and refine your quantum solutions](#)
- ❖ [Mix classical and quantum computation](#) to reveal new hybrid algorithms such as adaptive phase estimation.
- ❖ Write once and run on multiple quantum hardware architectures.
- ❖ Send native circuits to QPUs.
- ❖ [Quantinuum H1 Powered by Honeywell, IONQ, Quantum Circuits, Inc., Rigetti Quantum Cloud Services, Pasqal systems](#) available from industry leaders



## GitHub Advanced Security for Azure DevOps

Develop securely from inception to ship

### GitHub Advanced Security for Azure DevOps

- ❖ Suite of Security testing tools native to Azure DevOps platform
- ❖ [Secret Scanning :: Detect and prevent secret leaks from your application development processes with secret scanning](#)
- ❖ [Dependency Scanning :: Secure your software Supply Chain](#) : Identify any vulnerable open-source components with dependency scanning
- ❖ [Code Scanning :: Find and fix deep security vulnerabilities in your code without leaving Azure DevOps](#)
- ❖ Empower DevSecOps models with Defender for Cloud integration

# Azure Services Directory

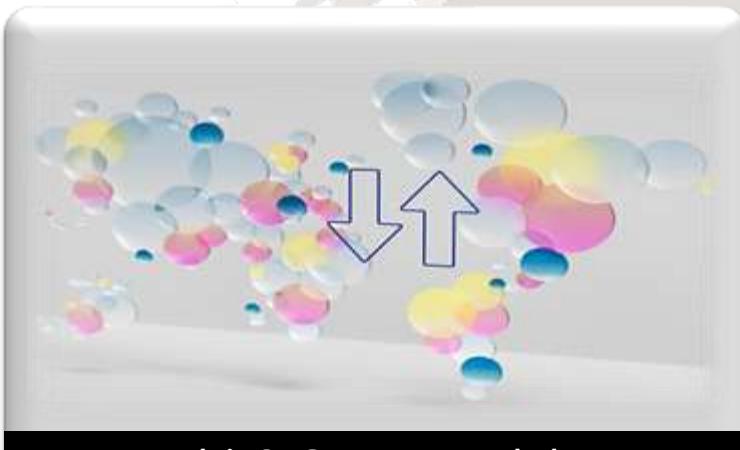


## Azure AI Model Catalog

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

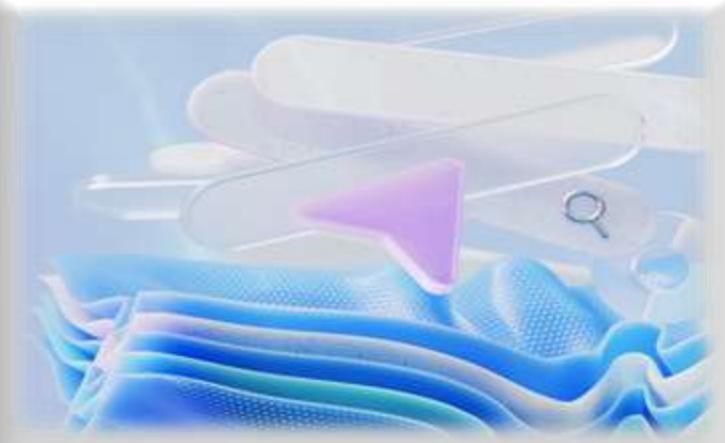


## Azure AI Content Safety

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



November 1, 2024 | Lukas Velush

## Getting the most out of generative AI at Microsoft with good governance

Since generative AI exploded onto the scene, it's been unleashing our employees' creativity, unlocking their productivity, and up-leveling their skills. But we can fly into risky territory if we're not careful. The key to protecting the company and our employees...

November 11, 2024 | Lukas Velush

## The AI Revolution: How Microsoft Digital (IT) is responding with an AI Center of Excellence

The AI revolution is here, so what are you going to do about it? This question is for IT leaders, IT practitioners, and others out there who need to decide how your companies will respond to the onslaught of AI...

November 6, 2024 | Keith Boyd

## How Microsoft Digital improves its own employee experience—and yours—as Customer Zero

Anyone who has been around the technology industry for a while is familiar with the concept of "dogfooding." "Eat your own dog food" is a phrase that has been in use at Microsoft since the 1980s, and it is common...

## 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 31, 2024 | Lukas Velush

## Seven things we learned deploying Microsoft 365 Copilot for Sales at Microsoft

We've entered the age of AI, and our salespeople are reaping the benefits here at Microsoft. Thanks to Microsoft 365 Copilot for Sales, their days are more efficient, their communication is more streamlined, and their interactions with essential sales tools...

October 31, 2024 | Jina Chan

## Unlock your productivity: Here are our Top 10 tips for using Microsoft 365 Copilot every day

Imagine having a personal assistant that helps you navigate your daily tasks effortlessly. Microsoft 365 Copilot offers just that, allowing you to work smarter, not harder. And the best part? You don't need to be a prompt engineer to use...

# Microsoft Research Blog



## [GraphRAG: Improving global search via dynamic community selection >](#)

November 15, 2024 | Bryan Li, [Ha Trinh](#), [Darren Edge](#), and [Jonathan Larson](#)

Retrieval-augmented generation (RAG) helps AI systems provide more information to a large language model (LLM) when generating responses to user queries. A new method for conducting "global" queries can optimize the performance of global search in GraphRAG.

## [BiomedParse: A foundation model for smarter, all-in-one biomedical image analysis >](#)

November 18, 2024

BiomedParse reimagines medical image analysis, integrating advanced AI to capture complex insights across imaging types—a step forward for diagnostics and precision medicine.

## [Orca-AgentInstruct: Agentic flows can be effective synthetic-data generators >](#)

November 14, 2024 | [Arindam Mitra](#), [Ahmed Awadallah](#), and [Yash Lara](#)

Orca-AgentInstruct, from Microsoft Research, can generate diverse, high-quality synthetic data at scale to post-train and fine-tune base LLMs for expanded capabilities, continual learning, and increased performance.

## [Toward modular models: Collaborative AI development enables model accountability and continuous learning >](#)

November 13, 2024 | [Lucas Caccia](#), [Darya Moldavskaya](#), and [Alessandro Sordoni](#)

Modular models can democratize AI development while unlocking new benefits and use cases. Modularized AI can be more flexible, more compliant, and cheaper to develop—requiring less data and fewer compute resources to train expert models.

## [Research Focus: Week of November 11, 2024 >](#)

November 13, 2024

Holistic motion-capture calibration technique without calibration, manual intervention or custom hardware; Research on AI agents for autonomous clouds; Automating proof-oriented program construction; One-to-many testing for natural language code generation.

## [Introducing DRIFT Search: Combining global and local search methods to improve quality and efficiency >](#)

October 31, 2024

GraphRAG leverages semantic structuring of data to generate responses to complex user queries. A collaboration with Uncharted expands the frontiers of this technology, developing a new approach to processing local queries: DRIFT search.

# 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.

[Try now >](#)



# Learning and Training

# Microsoft Events and Training: Updates



## Microsoft Virtual Training Days

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

[Register now >](#)

## Browse all courses, learning paths, and modules

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

## Further your goals with Microsoft events

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

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

### Microsoft Security Immersion Event: Into the Breach

12/11/2024 | 11:00 - 16:00 (CST)

Digital

English (United...)

Briefing

Test your cybersecurity skills at the Microsoft Security Immersion Event: Into the Breach. Join...

[Show more](#)

### Copilot Studio in a Day - UST - United States

12/12/2024 | 08:00 - 16:00 (CST)

Digital

English (United...)

Training

### Fabric Analyst in a Day - Intellify Solutions Pvt Ltd. - United States

12/12/2024 | 09:00 - 17:00 (CST)

Digital

English (United...)

Training

### 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 >](#)

### Microsoft Virtual Briefing - Zero Trust in Practice with Microsoft Entra and Intune

12/12/2024 | 11:00 - 12:30 (CST)

Digital

English (United...)

Briefing

Overview Zero Trust is a security model that assumes no trust for any entity, whether inside or...

[Show more](#)



# New Training Initiative – Digital Skills for the Future

help professionals gain and demonstrate their skill

Build the skills you need for the digital economy

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

**LinkedIn Learning**

**Microsoft**



## Career Essentials in Generative AI

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

Skills you'll learn:

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

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



## Career Essentials in Cybersecurity

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

Skills you'll learn:

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

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



## Career Essentials in Sustainable Tech

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

Skills you'll learn:

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

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



## Career Essentials in Business analyst

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

Skills you'll learn:

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

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



# 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 is designed for Azure AI engineers, covering topics like Azure Cognitive Services, Azure Machine Learning, and Azure Fabric.

**Fabric Learning Companion**

This pathway provides a comprehensive guide to Microsoft Fabric, covering topics like getting started, implementing a lakehouse, and organizing a fabric lakehouse.

# Microsoft Learning and Training :: Learning Blog



## CAREER PATHS



### Find your career path

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

[Explore career paths](#)

## MODULE

### Introduction to the Microsoft Azure Well-Architected Framework



⌚ 1 hr 4 min

Beginner • Solution Architect • Azure

## MODULE

### Build natural language solutions with Azure OpenAI Service



⌚ 57 min

Azure • AI Engineer • Intermediate

[+ Add](#)

MICROSOFT LEARN

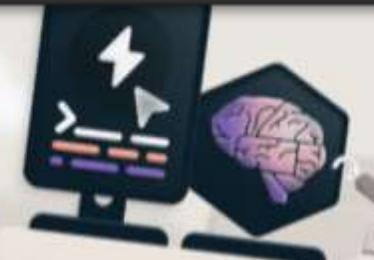
# AI learning hub

Microsoft Learn is your trusted source to help you get skilled up and ready to power AI transformation with the Microsoft Cloud.



### 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

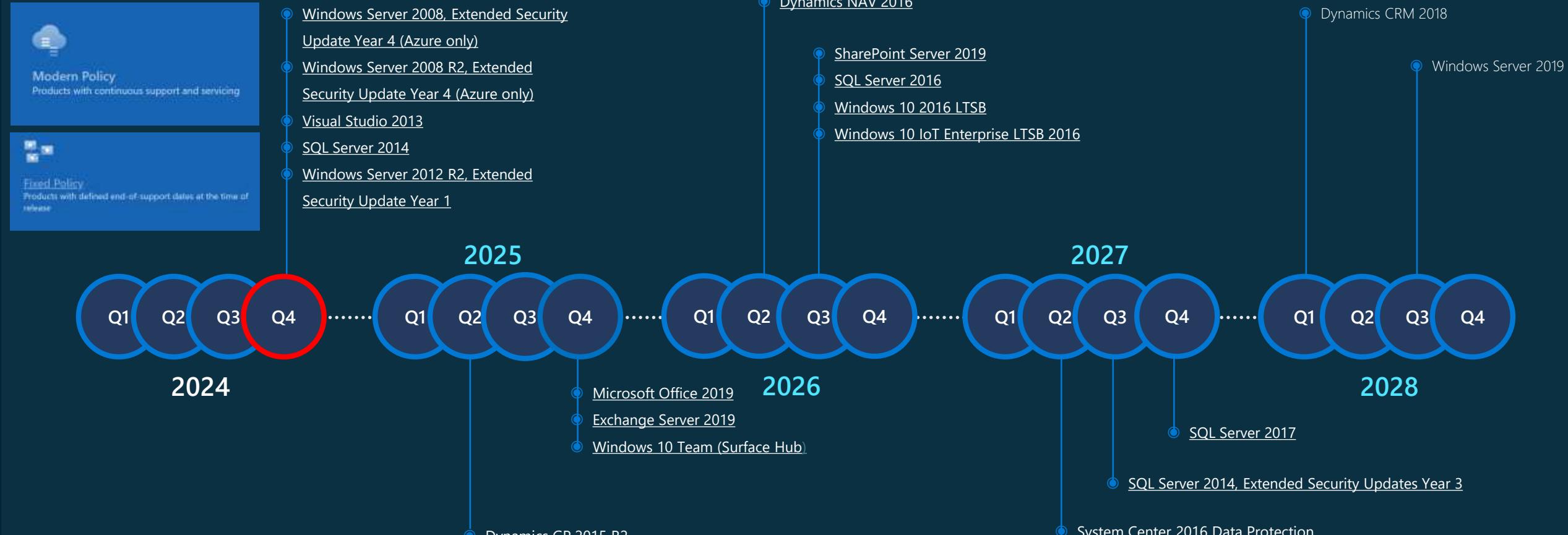
[+ Add](#)

# 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
 <b>Lifecycle data export</b> Export all products Export lifecycle data for all products by clicking below <a href="#">Export All Products</a>	
Announcements	
<ul style="list-style-type: none"><li>⇒ Products reaching End of Support on October 14, 2025:</li><li>⇒ Windows 11, version 22H2 end of updates (Home, Pro)</li><li>⇒ Windows 11, version 21H2 end of updates (Enterprise, Education)</li><li>⇒ Azure Service Manager products retiring on August 31, 2024</li><li>⇒ Support for TLS 1.0 and TLS 1.1 will end by October 31, 2024</li><li>⇒ Update: Teams Live Events no longer retiring September 30, 2024</li></ul>	<ul style="list-style-type: none"><li>⇒ Windows 10, version 21H2 end of updates (Enterprise, Education)</li><li>⇒ Power BI Windows app to be retired December 31, 2023</li><li>⇒ Visual Studio for Mac to be retired August 31, 2024</li><li>⇒ Windows 11, version 21H2 end of servicing (Home &amp; Pro)</li><li>⇒ Power BI Windows app for Surface Hub reaching retirement</li><li>⇒ Windows 10, version 22H2 end of support date updated</li></ul>
	<a href="#">See more &gt;</a>

# 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
<a href="#">Microsoft Configuration Manager, Version 2207</a>	<b>February 12, 2024</b>
<a href="#">FSLogix, Version 2210 Hotfix 2</a>	<b>February 13, 2024</b>
<a href="#">Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 2, version 21.x</a>	<b>April 14, 2024</b>
<a href="#">FSLogix, Version 2210 Hotfix 3 .NET 7</a>	<b>May 14, 2024</b>
<a href="#">Microsoft Configuration Manager, Version 2211</a>	<b>June 5, 2024</b>
<a href="#">Windows 10 Enterprise and Education, Version 21H2</a> <a href="#">Windows 10 IoT Enterprise, Version 21H2</a>	<b>June 11, 2024</b>
<a href="#">Microsoft Teams, Classic Teams Client</a>	<b>July 1, 2024</b>
<a href="#">Dynamics 365 Business Central on-premises (Modern Policy), 2023 release wave 1, version 22.x</a> <a href="#">Windows 11 Enterprise and Education, Version 21H2</a> <a href="#">Windows 11 Home and Pro, Version 22H2</a> <a href="#">Windows 11 IoT Enterprise, Version 21H2</a>	<b>October 8, 2024</b>
<a href="#">Microsoft Configuration Manager, Version 2303</a>	<b>October 10, 2024</b>
<a href="#">PowerShell, PowerShell 7.2 (LTS-current)</a>	<b>November 8, 2024</b>
<a href="#">Azure IoT Edge, Version 1.4 (LTS) .NET 6.0 (LTS)</a>	<b>November 12, 2024</b>

## Products Release End of Servicing for 2025

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

# Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2024



## Products Reaching End of Support for 2024

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

# 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
<a href="#">Visual Studio 2022 , Version 17.6 (LTSC channel)</a>	January 9, 2025
<a href="#">Dynamics C5 2015</a> <a href="#">Dynamics CRM 2015</a> <a href="#">Dynamics NAV 2015</a> <a href="#">Dynamics SL 2015</a>	January 14, 2025
<a href="#">Dynamics GP 2015</a> <a href="#">Dynamics GP 2015 R2</a>	April 8, 2025
<a href="#">Microsoft SQL Server 2012, Extended Security Update Year 3</a> <a href="#">SQL Server 2014, Extended Security Updates Year 1</a> <a href="#">Visual Studio 2022 , Version 17.8 (LTSC channel)</a>	July 8, 2025

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

# Microsoft Product Lifecycle: Products moving to Extended Support



## Products Moving to Extended Support for 2024

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

## Products Moving to Extended Support for 2025

<b>Products Moving to Extended Support (Fixed Policy)</b>	<b>End of Support Date</b>
<a href="#">SQL Server 2019</a>	February 28, 2025
<a href="#">Azure DevOps Server 2020</a> <a href="#">Microsoft Robotics</a>	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
<a href="#">HTTP Application Routing add-on for AKS</a>	March 3, 2025
<a href="#">Azure pod identity v1 (public preview)</a> <a href="#">Explainability and Fairness Dashboard</a>	March 14, 2025
<a href="#">“Global ingestion endpoints” (resulting in Instrumentation Key deprecation)</a> <a href="#">Every-write AOF on Redis Enterprise</a> <a href="#">Git Repository - API Management 2</a>	March 15, 2025
<a href="#">Azure Database for PostgreSQL - Single Server</a>	March 28, 2025
<a href="#">Azure HDInsight 4.0</a> <a href="#">Azure HDInsight 5.0</a>	March 30, 2025
<a href="#">Application Insights ‘instrumentation key’ based global ingestion</a> <a href="#">Azure Functions Service Bus Extension v4</a> <a href="#">Azure Maps Creator Feature State APIs</a> <a href="#">Azure Maps Native SDK</a> <a href="#">Azure portal templates</a> <a href="#">Chef Run_lists and Cookbooks in Azure CycleCloud Cluster-Init Projects</a> <a href="#">Container Monitoring solution</a> <a href="#">Cost Management - Connector for AWS</a> <a href="#">Direct Management API</a> <a href="#">Microsoft Azure Storage Track 1 SDK for C++</a> <a href="#">QnAMaker Service V1</a> <a href="#">Retirement of Platform Enabled DR for App Service Web Apps</a> <a href="#">SQL's connector v1 operations</a> <a href="#">Standard_NC24rs_v3 VM size</a> <a href="#">Visual Studio App Center</a>	March 31, 2025
<a href="#">Ubuntu 20.04 LTS support</a>	April 23, 2025
<a href="#">Node 18 LTS on App Service</a>	April 30, 2025

Azure Item	Retirement
<a href="#">Cluster Configuration Flux v1</a>	May 24, 2025
<a href="#">SAP HLI SKU Retirement</a>	June 30, 2025
<a href="#">Azure Database for MariaDB</a>	September 19, 2025
<a href="#">App Insights API Key Retirement</a> <a href="#">Application Insights Java 2.X SDK Retirement</a> <a href="#">Azure Database for MySQL v5.7 end of support</a> <a href="#">Azure Functions proxy support retirement</a> <a href="#">Azure HPC Cache</a> <a href="#">Azure ML CLI v1 retirement</a> <a href="#">Azure vFXT</a> <a href="#">Basic IP</a> <a href="#">Basic Load Balancer</a> <a href="#">Batch Low Priority VMs</a> <a href="#">Default Outbound Access</a> <a href="#">Default outbound access for Simplified node communication pool without public IP addresses</a> <a href="#">Legacy MFA and SSPR policies - authentication methods</a> <a href="#">Microsoft Defender for Cloud - Microsoft Actions and Compliance Offerings components</a> <a href="#">Microsoft.SQL 2014-04-01 stable APIs retirement</a> <a href="#">ServiceMap</a> <a href="#">Standard_NC6s_v3, Standard_NC12s_v3, and Standard_NC24s_v3 VM sizes</a> <a href="#">Unmanaged Disks</a> <a href="#">VPN Gateway Standard and High-Performance SKUs</a>	September 30, 2025
<a href="#">Azure Monitor legacy Log Analytics API for log alerts</a> <a href="#">Language Understandings (LUIS) v1</a>	October 1, 2025



# Acquisitions and Announcements

# Microsoft Acquisitions - 2024



Company	Date	Description
		No Acquisitions Yet for 2024

# My Dashboard and Connect me portal <https://aka.ms/abbas>

Pages MSFT\_ESA Abbas\_MSFT Link + Bookmarks

Bing

## Know & Reach Abbas:

- [My LinkedIn](#)
- [Abbas Kudrati \(@askudrati\) / Twitter](#)
- [My YouTube Channel \(new\)](#)
- [Abbas Kudrati: books, biography, latest update](#)
- [Abbas Kudrati, Author at Microsoft Security Blog](#)
- [My conference's slides collection](#)
- [My monthly newsletter archive.](#)
- [GitHub Repo Collection](#)

## My Short Bio / Profile

### List of cool collections of interesting portals and links

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

## Online meeting booking portal for Abbas Kudrati

Online meeting booking portal

## Event speaker request form for Abbas Kudrati

Event speaker request form

### Microsoft Threat Intel Collection

- [Global Threat Activity](#)
- [Defender for Threat Intelligence](#)
- [Microsoft Threat Intelligence Blog](#)
- [Microsoft Security Intelligence \(@MsftSecIntel\)](#)
- [Threat Briefs](#)
- [Threat Actor Insights and Profiles](#)
- [Security Insider Reports \(Cyber signals, Nations St...\)](#)
- [Microsoft Digital Defense Report and Security Int...](#)
- [Human-operated ransomware](#)
- [Lessons learned from the Microsoft SOC](#)
- [Sneak Peak of how Microsoft Runs its Cyber Defe...](#)

## Incident and Crisis Management related info...

Report a Microsoft issue or vulnerability

Microsoft Bounty Programs

Microsoft Security Response Center

Prepare your security posture for your first incident.

Responding to your first incident

Incident response playbooks

Incident response with Microsoft 365 Defender

Incident response overview

Incident Response Reference Guide

Incident response insights

Microsoft On The Issues

What is the Security Update Validation Program?

Microsoft Active Protections Program

How the Microsoft Incident Response team helps ...

NIST Guide for Cybersecurity Event Recovery

Security Operations Self-Assessment Tool| Micros...

What's New: SOC Process Framework is Now Live...

## MSRC & MSTIC (Live feed)

Microsoft Bug Bounty Program Year in Review: \$13.8...

Microsoft mitigates Power Platform Custom Code Inf...

BlueHat October 2023 Call for Papers is Now Open!

## Microsoft Product Ninja Trainings

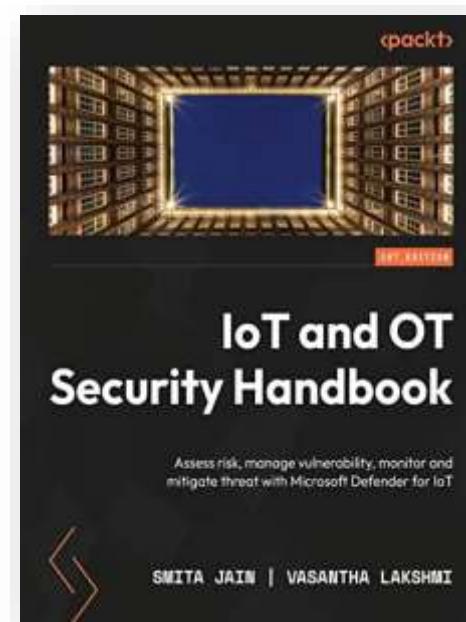
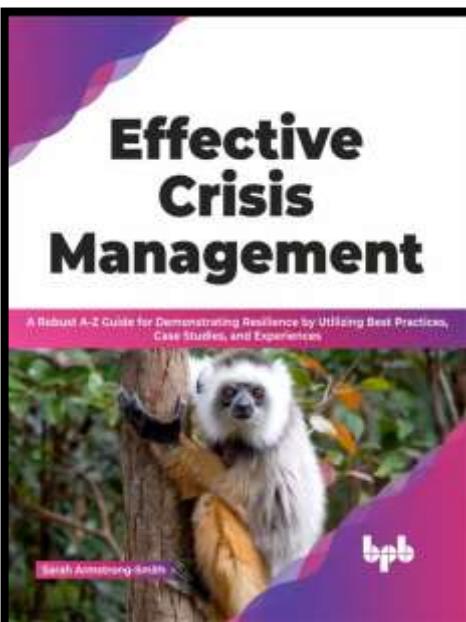
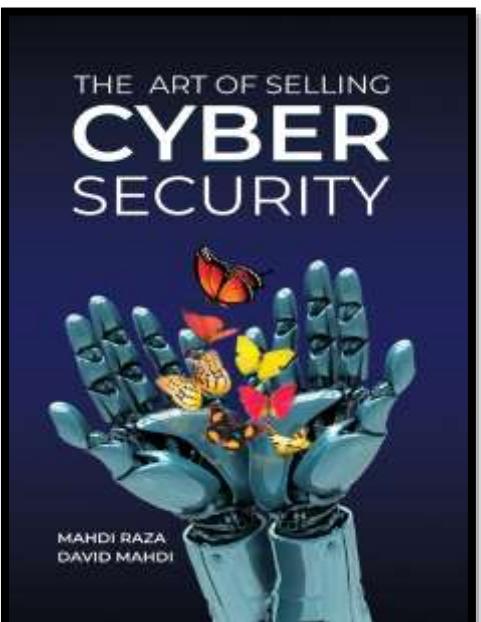
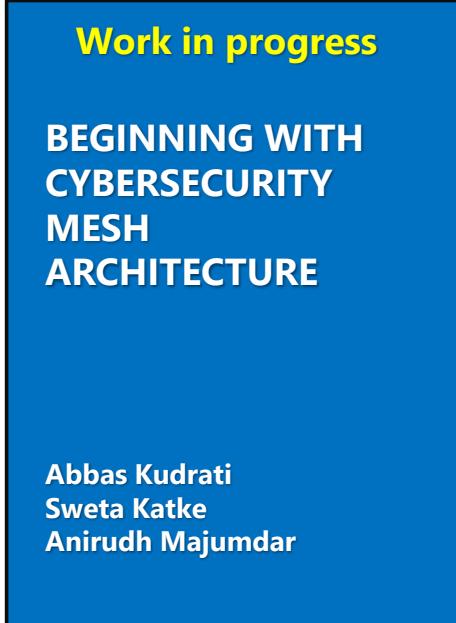
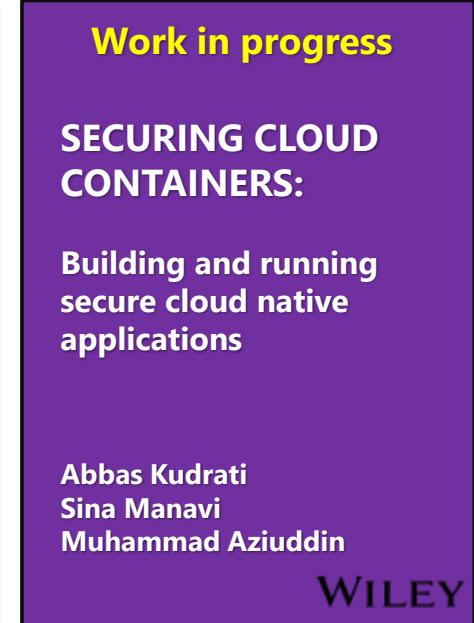
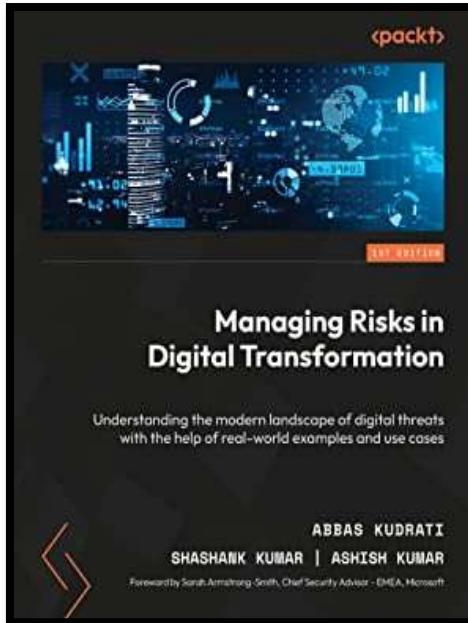
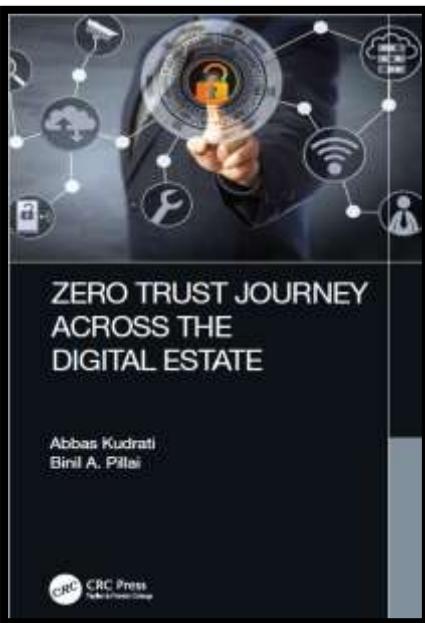
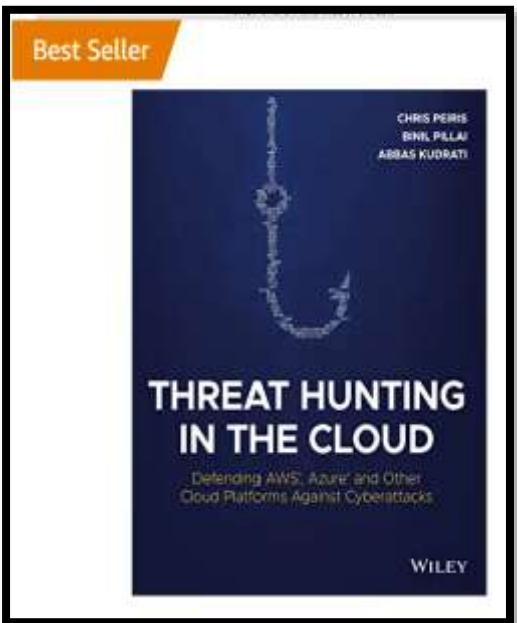
- [Security 101 Training](#)
- [Become a Microsoft Sentinel Ninja: The complete...](#)
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- [Become a Microsoft Defender for Office 365 Ninja!](#)
- [Microsoft Defender for Cloud Apps Ninja Training](#)
- [Microsoft Defender for Identity Ninja Training](#)
- [Microsoft Defender for IoT Ninja Training](#)
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- [Azure Network Security Ninja Training](#)
- [Chief Information Security Officer \(CISO\) Workshop](#)
- [Microsoft Learn: Build skills that open doors in yo...](#)
- [Join Microsoft Security Community](#)

## Microsoft Security Update Guide (Live feed)

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

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