



# Monthly Tech Briefing

## NOVEMBER 2023



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**<https://aka.ms/abbas> (new)**

# Microsoft

- [Microsoft Ignite 2023](#)
- [GitHub Universe 2024](#)
- [Microsoft and OpenAI Announcements](#)
- [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



New trends with Microsoft Technology

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



Showcase of the month



Product Lifecycles

Acquisitions and Announcements

- [Products Reaching End of Support in 2023 and 2024](#)
- [Companies and Technologies Acquired Since 2018](#)



# Experience AI transformation in action at Microsoft Ignite

In Seattle: November 14–17, 2023 PT | Online dates: November 15–16, 2023 PT

Discover the best of what's next in technology, problem-solve with experts, and make global connections to empower yourself to lead your organization.

[Register now](#)

Come to Seattle—you won't want to miss this  
November 14–17, 2023 PT

Join us for live, in-person keynotes, participate in interactive labs and demos, learn directly from Microsoft engineers and partners, and catch up with peers while making new connections. \$1,525 early-bird pricing is still available. Get the full experience with opt-in pre-day labs.

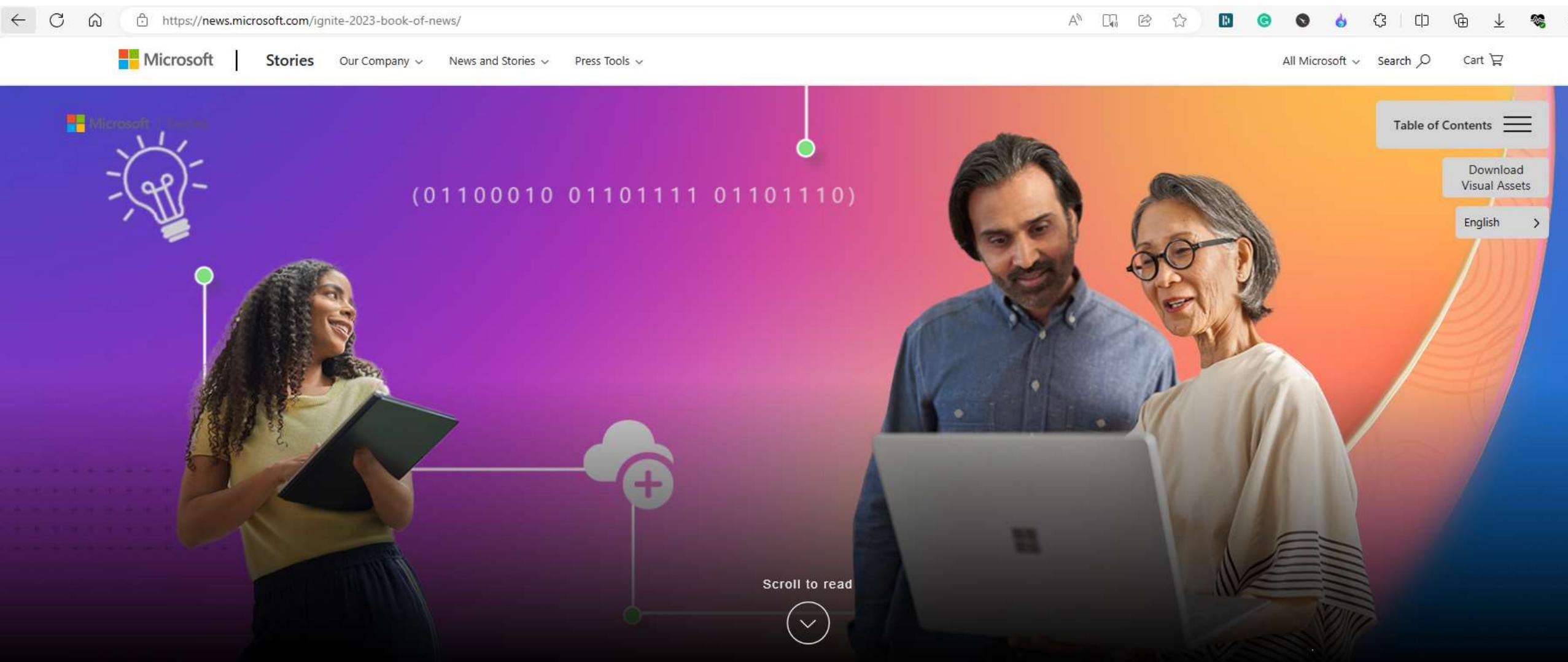
[Join us in Seattle >](#)

Sold out

Join online from anywhere  
November 15–16, 2023 PT

Connect with the global community online from wherever you are while learning from keynotes, breakout sessions, and taking part in live discussions at no cost.

[Join us online >](#)



MICROSOFT IGNITE

# BOOK OF NEWS

November 15 - 17, 2023

# The future of security with AI

The increasing scale and sophistication of recent cyberattacks demand a new approach to security. We are bringing together unparalleled threat intelligence and new product capabilities that leverage the power of AI to tip the scales in favor of security professionals. Today we are announcing innovations that deliver generative AI to cybersecurity with an end-to-end and unified approach; and help organizations secure their use of generative AI.

To learn more, read the [blog post](#) by Vasu Jakkal, Corporate Vice President, Microsoft Security.

## AI for Security

- We are **combining the power of leading solutions, Microsoft Sentinel (SIEM) and Microsoft Defender XDR** (previously Microsoft 365 Defender), into the **industry's first [unified security operations platform](#)**, combined with Microsoft Security Copilot. Security Analysts will be able to see every incident in their organization in a single, prioritized list—streamlining triage and eliminating gaps, while taking advantage of Security Copilot for generative AI-assisted investigations, summarizing incidents, and generating Kusto Query Language.
- **Microsoft Security Copilot** expands beyond security capabilities to support IT professionals with device management tasks in Microsoft Intune, identity management tasks in Microsoft Entra, and data security investigative tasks in Microsoft Purview. Other advancements in Microsoft Security Copilot include a native embedded experience in the new unified security operations platform, Defender for Endpoint's new deception capabilities, the integration of Microsoft Defender for Cloud signals into Security Copilot and Microsoft Defender XDR, new natural language to KQL capabilities, and Microsoft Defender Threat Intelligence integration (MDTI).

## Security for AI

- **New capabilities in Microsoft Purview** help customers secure their AI data for Microsoft Copilot as well as for non-Microsoft AI. Microsoft Purview provides visibility into risk associated with sensitive data use in AI and protects that data.
- **Defender for Cloud Apps** lets customers see all the generative AI apps in use in their environment, understand the associated risk, and approve or block the use of the app. Defender for Cloud Apps has extended its rich discovery capabilities to over 400 generative AI apps.

### Expanding comprehensive security

- **Public preview of Defender for Cloud's integration with Microsoft Entra Permissions Management** enables least privilege access controls for cloud resources and connects the dots between access permissions and potential vulnerabilities across Azure, AWS, and Google Cloud.
- **Purview** expands its comprehensive data security and compliance across the entire data estate including multicloud, multiplatform, structured, and unstructured data.
- **Entra Internet Access** expands its public preview to include all internet, SaaS, and Microsoft 365 applications. Private Access adds new capabilities to be fully ready for legacy VPN replacement. Entra ID introduces auto-enrollment into conditional access policies, and users can now sign in with passkeys that are managed by the authenticator app.
- **Intune Suite adds three new solutions:** Microsoft Cloud PKI, Enterprise App Management, and Advanced Analytics, and discloses plans for a solution for policy orchestration with Power Automate integration and extends offering to GCC.



This year's themes



AI

A new frontier in developer creativity.



Security

Proactive security, powered by AI.



DevEx

Welcome to your flow state.

Watch on demand

# UNIVERSE 23

2024 Ticket Presale

October 29-30, 2024 - San Francisco, CA  
Tickets 60% off until November 17, 2023



# Microsoft Envision

## The Tour

Join us for an exclusive one-day, in-person only event where you'll learn how to lead your organization in the era of AI. Connect with other forward-thinking senior leaders and experts to gain valuable insights to propel your business forward.

**Register for a tour  
location today**



London, UK

October 18, 2023

[Register today >](#)



Mumbai, India

January 31, 2024

Registration details coming soon



Sydney, Australia

February 7, 202-

*Registration details coming soon*



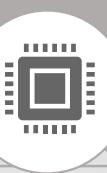
Oct 4, 2023 | Judson Althoff - Executive Vice President and Chief Commercial Officer

Microsoft Envision | The Tour: How to lead in the era of AI >

# Updates of Security and Compliance



# Monitoring Global Threats: Microsoft :: Threat Intelligence Blog



Select a region ▾

## Global threat activity

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

### Most affected industries

Reported enterprise malware encounters in the last 30 days

#### Retail and consumer goods

Show all industries >

Devices with encounters:  
871,635 (9.52%)



[Research](#) [Threat intelligence](#) [Microsoft Incident Response](#) [Threat actors](#) · Oct 25 · 17 min read

#### Octo Tempest crosses boundaries to facilitate extortion, encryption, and destruction >

Microsoft has been tracking activity related to the financially motivated threat actor Octo Tempest, whose evolving campaigns represent a growing concern for many organizations across multiple industries....

[Research](#) [Threat intelligence](#) [Microsoft 365 Defender](#) [Vulnerabilities and exploits](#) · Oct 18 · 10 min read

#### Multiple North Korean threat actors exploiting the TeamCity CVE-2023-42793 vulnerability >

Since early October 2023, Microsoft has observed North Korean nation-state threat actors Diamond Sleet and Onyx Sleet exploiting the JetBrains TeamCity CVE-2023-42793 remote-code execution vulnerability. Given supply chain attacks carried out by these threat actors in the past, Microsoft assesses that this activity poses a particularly high risk to organizations who are affected.

Microsoft Security Response Center

Retail and consumer goods

#### Top threats:

HackTool:Win64/AutoKms  
HackTool:Win32/AutoKMS  
Trojan:Win32/Wacatac.H!ml  
HackTool:Win32/Keygen  
Trojan:Script/Wacatac.B!ml

## Worldwide

79,230,942 devices with encounters

#### Top threats:

Trojan:Win32/Wacatac.H!ml  
HackTool:Win32/AutoKMS

[Research](#) [Threat intelligence](#) [Threat actors](#) · Nov 9 · 6 min read

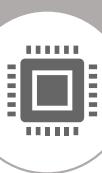
#### Microsoft shares threat intelligence at CYBERWARCON 2023 >

At the CYBERWARCON 2023 conference, Microsoft and LinkedIn analysts are presenting several sessions detailing analysis across multiple sets of threat actors and related activity, demonstrating Microsoft Threat Intelligence's ongoing efforts to track threat actors, protect customers, and share information with the wider security community....

[Research](#) [Endpoint security](#) [Microsoft Defender for Endpoint](#) [Ransomware](#) · Oct 11 · 10 min read

#### Automatic disruption of human-operated attacks through containment of compromised user accounts >

User containment is a unique and innovative defense mechanism that stops human-operated attacks in their tracks. We've added user containment to the automatic attack disruption capability in Microsoft Defender for Endpoint. User containment is automatically triggered by high-fidelity signals and limits attackers' ability to move laterally within a network regardless of the compromised account's Active...



### Microsoft compliance offerings

Learn how Microsoft products and services help your organization meet regulatory compliance standards.

#### Azure, Dynamics 365, and Microsoft 365 compliance offering

Information for Azure, Dynamics 365, Microsoft 365, and Power Platform, and other services to help with national, regional, and industry-specific compliance requirements.

Global

Global

US

[News](#) [AI and machine learning](#) [Microsoft Security Copilot](#) · Oct 19 · 5 min read

## Microsoft Security Copilot Early Access Program: Harnessing generative AI to empower security teams >

Learn more about Microsoft Security Copilot—including its integration with Microsoft 365 Defender—as well as our latest innovations and announcements, and how your organization can get early access.

- [23 NYCRR Part 500](#)
- [AFM + DNB \(Netherlands\)](#)
- [APRA \(Australia\)](#)
- [AMF and ACPR \(France\)](#)
- [CDSA](#)
- [CFTC 1.31 \(US\)](#)
- [DPP \(UK\)](#)
- [EBA \(EU\)](#)
- [FACT \(UK\)](#)

- [FERPA](#)
- [FFIEC \(US\)](#)
- [FINMA \(Switzerland\)](#)
- [FINRA 4511 \(US\)](#)
- [FSC \(Japan\)](#)
- [FSA \(Denmark\)](#)
- [GLBA \(US\)](#)
- [GSMA](#)
- [GxP](#)

- [HITRUST](#)
- [KNFE](#)
- [MARC](#)
- [MAS](#)
- [MPA](#)
- [NBB](#)
- [NEN](#)
- [NERC](#)
- [OSFI \(Canada\)](#)

[Best practices](#) [Data security](#) [Microsoft Purview](#) · Oct 25 · 6 min read

## Top insights and best practices from the new Microsoft Data Security Index report >

Microsoft surveyed 800 cybersecurity professionals to gather their insights on data security. Read on for the top findings on data security strategies—and the value of a comprehensive cybersecurity solution.

[G-Cloud \(UK\)](#)

[My Number \(Japan\)](#)

[News](#) [Multifactor authentication](#) [Microsoft Entra](#) · Nov 6 · 8 min read

## Automatic Conditional Access policies in Microsoft Entra streamline identity protection >

To help our customers be secure by default, we're rolling out Microsoft managed Conditional Access policies that will automatically protect tenants.

10-2  
15  
00-171  
SF  
in 50B VPATs



[Best practices](#) [Cloud security](#) · Nov 1 · 7 min read

## Starting your journey to become quantum-safe >

Thanks to our extensive experience in quantum engineering and expertise as a service and security provider, we can serve as a trusted partner to navigate this process across industry and government.

[News](#) [AI and machine learning](#) · Nov 2 · 6 min read

## Announcing Microsoft Secure Future Initiative to advance security engineering >

Today Microsoft's Vice Chair and President Brad Smith shared insight on the global cybersecurity landscape and introduced our Secure Future Initiative. These engineering advances counter current digital threats, such as cyberattacks on identity systems. Read more about this initiative's strategy and objectives.

Information framework (New Zealand)  
Data Localization (China)  
US-Virginia

**The Microsoft Security Adoption Framework (SAF) is live! <https://aka.ms/saf>**

The SAF provides guidance for organizations through end-to-end security modernization across a 'hybrid of everything' multi-cloud and multi-platform technical estate. The SAF framework is similar **the Cloud Adoption Framework (CAF)** and **Well Architected Framework (WAF)** as it includes both public guidance and also takes the form of Microsoft Unified workshops where Microsoft experts help customers plan and execute security modernization.

SAF incorporates current guidance for strategy and program modernization (CISO Workshop) and end to end technical architectures (Microsoft Cybersecurity Reference Architectures or MCRA), driving business scenarios/outcomes, as well as some new elements related to security capability adoption planning, and more.

**Note** that an MCRA update is in progress to cover all the recent changes (including those just announced at Ignite)



# Microsoft 365 update information

# 10 AI terms everyone should know

By Susanna Ray

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

## 3. Large language models

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



## 4. Generative AI

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



## 1. Artificial intelligence

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

## 2. Machine learning

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

## 5. Hallucinations

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



# Copilot

Your everyday AI companion

A copilot is like a personal assistant that works alongside you in all sorts of digital applications, helping with things like writing, coding, summarizing and searching. It can also help you make decisions and understand lots of data. The recent development of large language models made copilots possible, allowing them to comprehend natural human language and provide answers, create content or take action as you work within different computer programs. Copilots are built with Responsible AI guardrails to make sure they're safe and secure and are used in a good way. Just like a copilot in an airplane, it's not in charge — you are — but it's a tool that can help you be more productive and efficient.

Sep 21, 2023 | [Yusuf Mehdi - Corporate Vice President & Consumer Chief Marketing Officer](#)

**Announcing Microsoft Copilot, your everyday AI companion >**

# Microsoft Copilot Studio

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



## Customize Copilot for Microsoft 365

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



## Create custom copilots

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



## Use one connected platform

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



## Documentation

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



# Microsoft Copilots

Bing



Edge



Word



Outlook



M365 Copilot

Excel



PowerPoint



Teams



Business Chat



Windows Copilot



Better Q&A and task completion  
Better interaction with web content

Copilots for Web

Better reading and writing assistance

Better e-mail management

Better data analysis

Better presentations

Better Meetings

Better knowledge management

Better interaction with OS, apps, and files

Copilot for Everyday

Copilots for Productivity

Dynamics Copilot



Better sales and customer support

Fabric Copilot



Better data analytics and business intelligence

Security Copilot



Better threat detection, identification, and mitigation

GitHub Copilot



Better code development

Power Platform Copilot



Better creation of apps, workflows, and agents

Copilots for Business

Copilots for Analytics

Copilot for Security

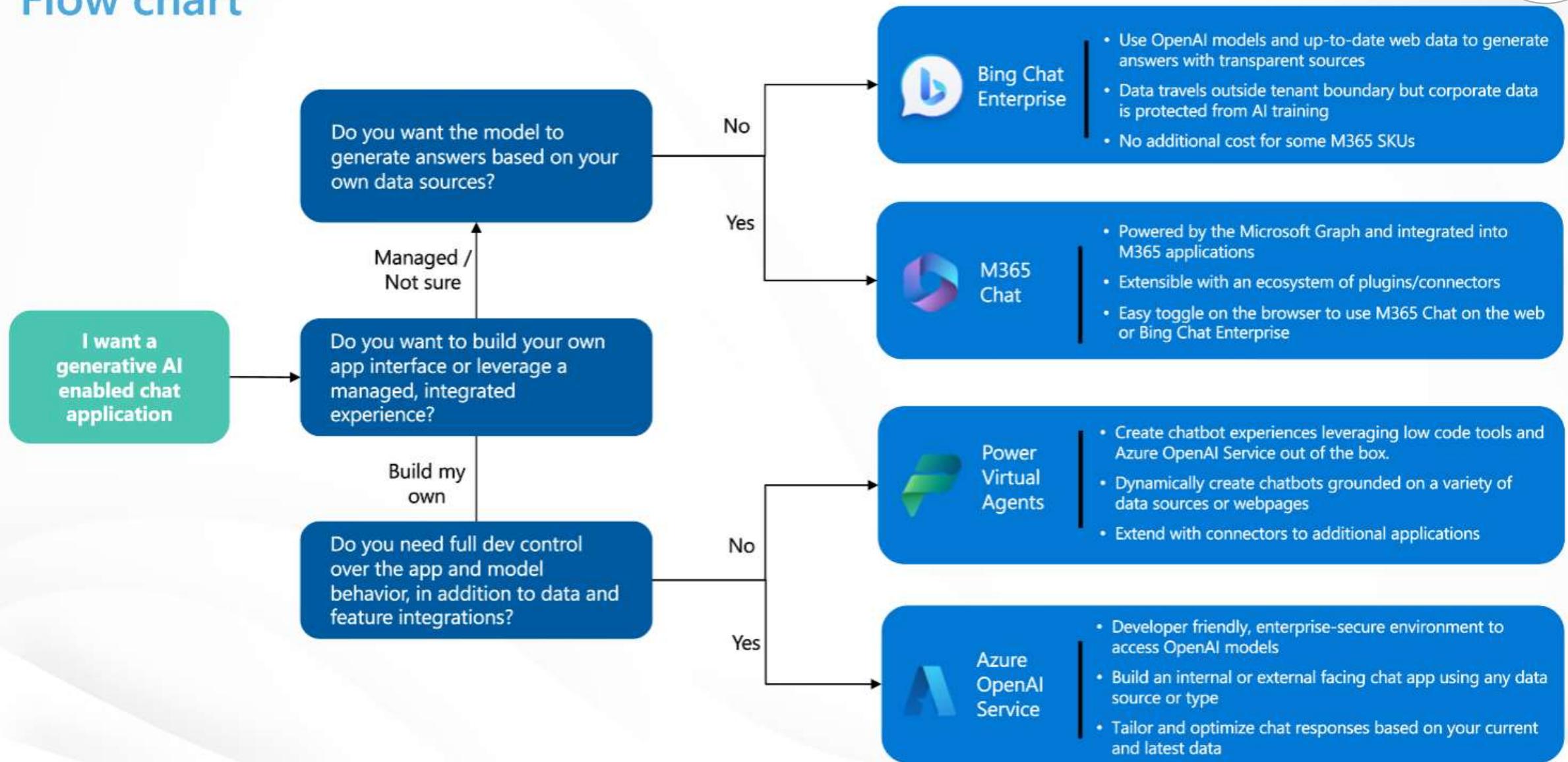
Copilot for Development

Copilot for Low/No Code Development



# Generative AI chat offerings with Microsoft

## Flow chart

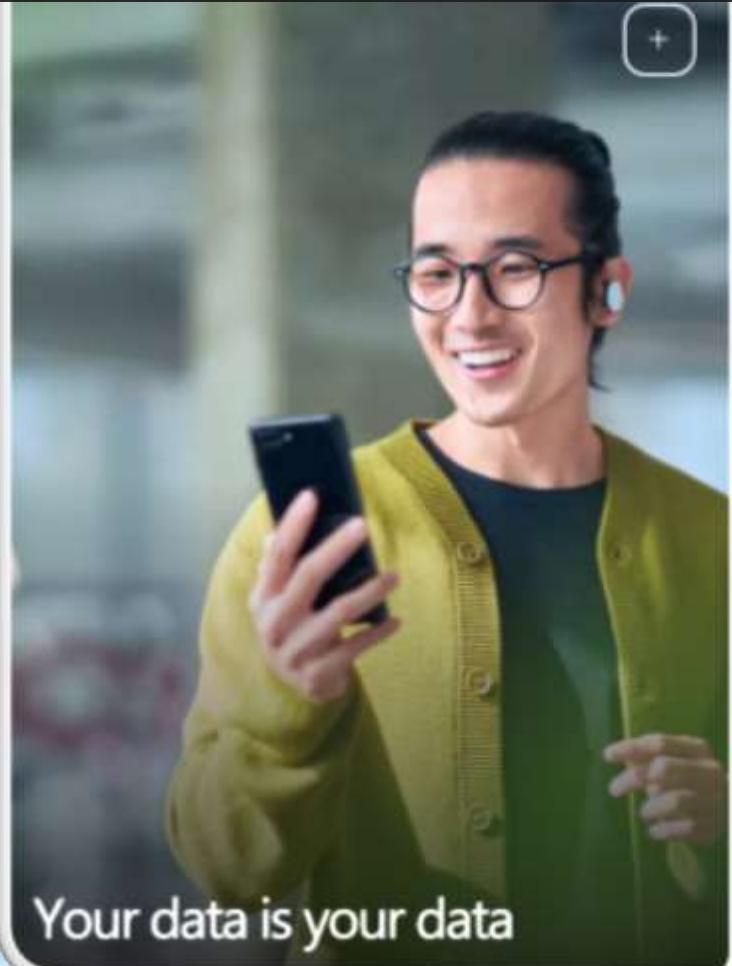


# Microsoft AI runs on Trust

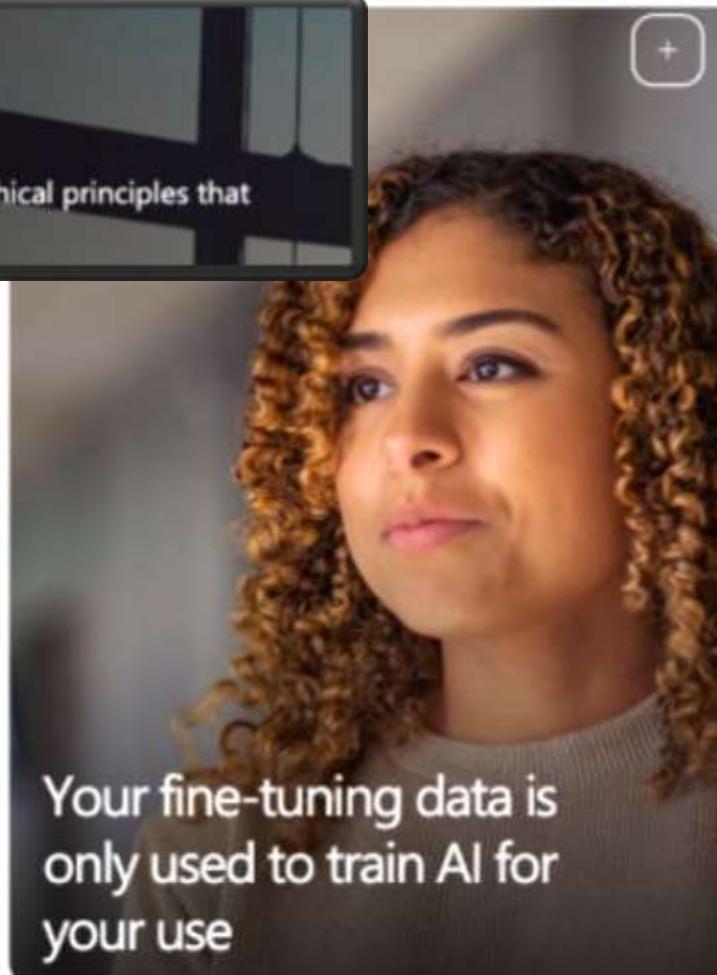


## Responsible AI

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



Your data is your data

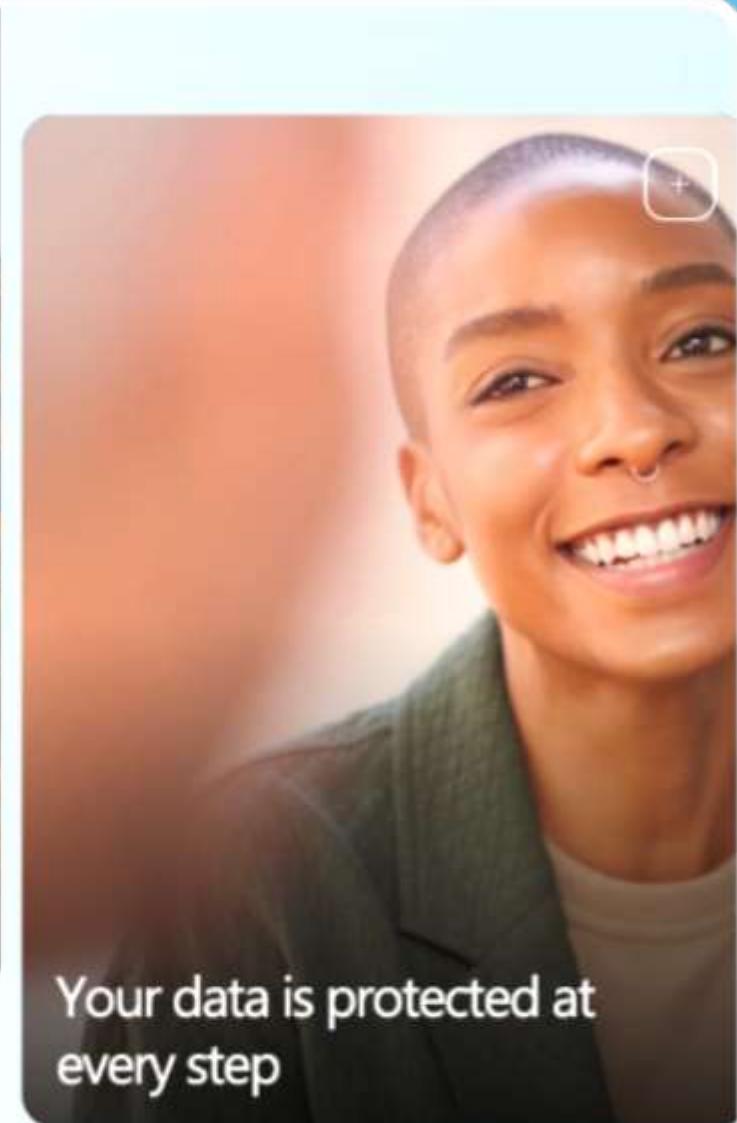


A close-up portrait of a woman with voluminous, curly, reddish-brown hair. She is looking slightly to her left with a neutral expression. The background is a soft, out-of-focus light color.

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, dark hair, smiling broadly. They are wearing a dark green jacket over a light-colored shirt. The background is a warm, orange-toned gradient.

Your data is protected at every step

# What's New in Microsoft 365

[M365 Blog](#) and [Microsoft-365 Product Blog](#) :: Covering Office 365, Enterprise Mobility + Security and Windows

- ❖ Fall 2023 Update – New Shapes, Icons, and more
- ❖ [Discover and assign the Microsoft 365 E3 Extra Features](#)
- ❖ [Simplified security settings management :: Generally Available](#)
- ❖ [Microsoft 365 Admin Monthly Digest – Oct 2023](#)
- ❖ [Windows IT Pro Blog](#)
- ❖ [Microsoft Entra \(Azure AD+\) Blog](#)
- ❖ [Microsoft OneDrive Blog](#)
- ❖ [Microsoft SharePoint Blog](#)

[Get insights on identity and network access solutions a...](#)

Irina\_Nechaeva in [Microsoft Entra \(Azure AD\) Blog](#)  
Nov 07 2023 09:00 AM

The Microsoft Entra team looks forward to meeting you in person or online; check out our s...

[Now is the time—manage your Mac endpoints with Microsoft](#)

Lior\_Bela in [Microsoft Intune Blog](#) Nov 07 2023 08:00 AM

Check out the new and arriving features that make Microsoft Intune better than ever for Ma...

## What's New and What's Coming to OneNote on Windows

GregMacEachern on Oct 31 2023 11:00 AM

Explore all of the new changes in OneNote on Windows and take a sneak peek at some new features coming soon.

New
16vCPU 64GB / 512GB 64GB / 1TB
8vCPU 32GB / 128GB 32GB / 256GB 32GB / 512GB
4vCPU 16GB / 128GB 16GB / 256GB 16GB / 512GB
2vCPU 4GB / 64GB 4GB / 128GB 4GB / 256GB 8GB / 128GB 8GB / 256GB

## Higher configuration offerings available in Windows 365

sefriend on Nov 01 2023 08:00 AM

Windows 365 now supports for 16 vCPU/64 GB RAM/512GB storage and 16 vCPU/64 GB RAM/1 TB storage SKUs.

# 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 Purview compliance portal: Insider Risk Management - Sequence detections for obfuscation involving excluded events

Preview Available: September 2023  
Rollout Start: February 2024

Microsoft Viva: Personalized Viva Goals Digest Emails

Rollout Start: November 2023

Microsoft Teams: Loop components in Teams channels

Rollout Start: November 2023

Microsoft Stream: Stream Mobile app for GCC-H and DoD users

Rollout Start: November 2023

Microsoft Viva: Viva Goals Export APIs

Rollout Start: November 2023

> Microsoft Teams: Virtual Appointments Analytics updates (Premium)

Rollout Start: November 2023

> Microsoft Purview compliance portal: Endpoint Data Loss Prevention - Support for Advanced classification scanning and protection for Endpoints running on Mac OS

Rollout Start: November 2023

> Microsoft Teams: New Shortcuts for Calls in Teams

Rollout Start: November 2023

> Microsoft Teams: Desktop to web browser join experience for attendees in Virtual Appointments

Rollout Start: November 2023

> Microsoft Teams: Quickly capture content in Teams mobile

Rollout Start: November 2023

> Microsoft Teams: Chat button on missed call activity

Rollout Start: November 2023

> OneDrive: Access Microsoft Lists, Power BI, Loop and Whiteboard content in OneDrive for Web

Rollout Start: November 2023

> Microsoft Teams: Copilot in Microsoft Teams

Rollout Start: November 2023

> Outlook: Org Explorer

Rollout Start: November 2023

> Microsoft Purview compliance portal: eDiscovery (Premium) - Identify Teams as data sources

Preview Available: August 2023  
Rollout Start: October 2023

> Microsoft Purview compliance portal: Data Lifecycle Management - Power Automate integration

Preview Available: September 2022  
Rollout Start: October 2023

> Microsoft Teams: Controlled-content meeting template (Premium)

Rollout Start: October 2023

> Microsoft Defender for Office 365: Security Threat Submission API

Preview Available: June 2022  
Rollout Start: October 2023

> Outlook: Embed Teams Chat in Outlook Web

Rollout Start: October 2023

> Microsoft Teams: Graph API for Teams Meetings Transcripts

Rollout Start: October 2023

# Microsoft Teams Blog:

Discover, prepare, and recap your meetings in one place...

MeeraAjam on Nov 06 2023 08:00 AM

Today we're excited to announce the availability of Meet, an app to help organizations drive more effective meetings and...

## New for This Month:

- [The NEW TEAMS app on Windows and Mac](#)
- [Meet app in Microsoft Teams](#)
- Live translated transcript in Teams
- Collaborative Notes in Teams mobile
- Portrait blur
- [Town Hall in Teams :: Generally Available](#)
- External presenter join link in webinars and town halls

## Chat and Collaboration:

- [New channel experiences](#)
- [People app in Teams](#)
- [Specify a link for requesting new external organizations to join a shared channel](#)

## Teams Premium

- [Intelligent Meeting Recap :: Generally Available](#)

## What's New in Microsoft Teams | October 2023

### What's New in Microsoft Teams | October 2023

Steve\_Stein on Oct 31 2023 08:30 AM

Welcome to our October 2023 update on What's New in Microsoft Teams. This month, we are excited to showcase 35 new featu...

## Teams Phone, Rooms, and Devices:

- [Microsoft Teams Calling Plans available in Hong Kong](#)
- [SIP Gateway overhead paging devices support](#)
- [New partner integrations for Teams Phone contact center](#)
- [Cisco Room Bar Pro + Room Navigator](#)
- [MAXHUB XCore Kit](#)
- [Nureva HDL310 audio system certified for large Microsoft Teams Rooms](#)
- [Jabra PanaCast P50 Intelligent Speaker](#)

## Admin and Security:

- No Retention Transcript capabilities
- Controlled-content meeting template
- Extended real-time telemetry retention for up to 7 days

## Mobile

- Remove Teams call and meeting details from mobile device log
- Simplifying joining a meeting on mobile

Discover, prepare, and recap your meetings in one place...

MeeraAjam on Nov 06 2023 08:00 AM

Today we're excited to announce the availability of Meet, an app to help organizations drive more effective meetings and...

## Platform

- [Auto install approved apps](#)
- [Workflows app](#)
- [Workflows within channels](#)

## Collaborative Apps

- [Workday](#)
- [Docebo](#)
- [Domo](#)
- [Growthspace](#)
- [Bigtincan](#)
- [Simpatico](#)
- [Tigerhall](#)
- [1Page](#)
- [Atlas](#)
- [Embark](#)

# Microsoft Viva: & Viva Blog:

## The employee experience platform for the new world of work



Microsoft Viva Connections



Microsoft Viva Engage



[Viva Amplify](#)



Microsoft Viva Insights



[Viva Pulse](#)



[Viva Glint](#)



Microsoft Viva Goals



Microsoft Viva Learning



Microsoft Viva Topics



Microsoft Viva Sales

Employee  
Communication  
& Communities

Workplace Analytics  
& Feedback

Goal Setting &  
Management

Learning and  
Knowledge Management

Customer &  
Sales Insights



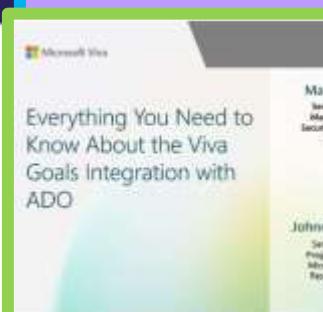
### [Redefining High Performance in the New Era of Work](#)

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



### [What's new with Viva Connections: Resources...](#)

The refreshed Viva Connections landing experience offers a more i...



### [Everything You Need to Know About the Viva Goals Integ...](#)

Learn how Viva Goals and ADO are powerful tools that can help tea...



### [Introducing Skills in Microsoft Viva, a new AI-powered servi...](#)

We are thrilled to introduce Skills in Viva, an innovative AI-driven service that assists organizations in comprehending and cultivating their workforce skills, as well as th...



### [Microsoft Viva Blog](#)

#### [Viva People Science Industry Trends: Finance](#)

In this edition of Microsoft Viva People Science industry trends,...

# Microsoft Power Platform :: Power Platform Blog



## Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.



**Power BI**  
Business analytics



**Power Apps**  
App development



**Power Automate**  
Process automation



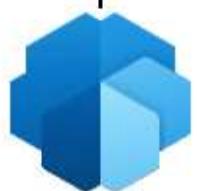
**Power Virtual Agents**  
Intelligent virtual agents



**Power Pages**  
External-facing websites



**Data connectors**



**AI Builder**



**Dataverse**



A callout diagram showing the integration points between various Microsoft Power Platform products. It features five icons at the top: Power BI, Power Automate, Power Virtual Agents, Power Apps, and Power Pages. Below these are three main integration points: Data connectors connecting to AI Builder, AI Builder connecting to Dataverse, and Dataverse connecting to the five products listed above. A callout box on the right side contains links to product blogs and specific tools.

Visit our product blogs

- Power BI
- Power Automate
- Power Virtual Agents
- Power Apps
- Power Pages

# Microsoft Power Platform :: Power Platform Blog



Oct 26 • 4 min read

Microsoft again named a Leader in the 2023 Gartner® Magic Quadrant™ for Enterprise Low-Code Application Platforms >

We are thrilled to announce that for the fifth time in a row, Microsoft has been named a Leader in the 2023 Gartner® Magic Quadrant™ for Enterprise Low-Code Application Platforms. Microsoft Power Apps is enabling developers of all kinds to innovate and create solutions faster, while giving organizations the governance tools to enable transformation on a massive scale.

## Announcing a new admin API to get insights into tenant setting overrides at capacity level.

Admin

API

Power BI

October 24, 2023 by Radhakrishnan Srinivasan

The "GetCapacityTenantSettingOverrides" API is a response to the concerns raised by tenant administrators. It offers transparency and insight that administrators need to govern Fabric.

» Read more

## Enabling granular access control for all data connection types

Admin

Announcements

Features

Power BI

October 16, 2023 by Kay Unkroth

The foundation of centralized connection management is granular access control. Power BI always enforces granular access control for shareable cloud connections (SCCs). For all other data connection types, it can be enabled at the tenant, workspace, and dataset level.

» Read more

## Introducing the Next-Generation AI Chatbot for Power Pages Websites (Preview)



Nagesh Bhat, Senior Program Manager, Tuesday, October 17, 2023

We are thrilled to announce an exciting feature for Power Pages sites: the all-new AI chatbot, powered by Power Virtual Agents (PVA) Generative Answers! For public sites, we previously introduced an AI chatbot experience that could be effortlessly setup to interact with unauthenticated content where site users can engage in natural language conversations with chatbot....

Read more

Seamlessly connect apps, data and processes across Dataverse environments

Matt Townsend, Senior Program Manager, Power Automate, Thursday, October 26, 2023

We're excited to announce the public preview of a much-anticipated update to the Microsoft Dataverse connector in Power Automate. With the new 'Environment' parameter, you can use the Dataverse connector to seamlessly connect apps, data, and processes in different Power Platform environments.

» Read more

## Power for HR: Transform your HR processes with Power Platform Enterprise Templates



Kavishi Agarwal, Principal Product Manager, Monday, October 30, 2023

Today, we are announcing Power for HR, a new set of Enterprise templates built on top of Power Platform that enable HR leaders to transform their organizations.

» Read more

## Power Pages ALM with Solutions, Pipelines and Enhanced data model general availability (GA)

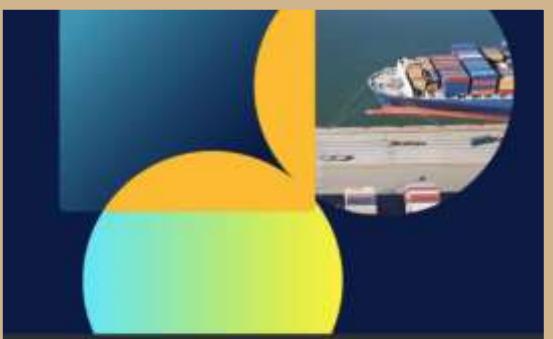


Gitanjali Singh, Product Manager, Friday, September 29, 2023

We're happy to announce that beginning October 3rd, 2023, solutions, pipelines, and enhanced data model in Power Pages general availability will start rolling out.

Read more

# Power Platform and Dynamics



## Business Decision Makers

News and product updates

Dynamics 365 Supply Chain Management

- Oct 31 • 6 min read

## **Microsoft announces new copilot and demand planning capabilities for Dynamics 365 Supply Chain Management** >

Supply chain complexities continue to fundamentally change the way business is done. Improving productivity and resiliency, and fostering innovation amidst rising cost and labor pressures remain key priorities for supply chain leaders.



## Business Decision Makers

News and product updates

Dynamics 365 Customer Insights

- Oct 30 • 5 min read

## **AI-infused personalized customer journeys with Dynamics 365 Customer Insights 2023 release wave 2** >

As we continue to push the boundaries of what's possible with AI, we're delighted to give you a sneak preview of the new features releasing as part of 2023 release wave 2.



## Business Decision Makers

Events

Dynamics 365 Customer Service

- Oct 25 • 5 min read

## **Microsoft Business Applications Launch Event introduces wave of new AI-powered capabilities for Dynamics 365 and Power Platform** >

Today, at the Microsoft Business Applications Launch Event, we kicked off the 2023 release wave 2 for Microsoft Dynamics 365 and Microsoft Power Platform, a six-month rollout of new and enhanced capabilities scheduled for release between October 2023 and March 2024.

Roadmaps and Release plans:



## Business Decision Makers

News and product updates

Dynamics 365 Customer Service

- Oct 23 • 4 min read

## **Modernize customer support with Copilot in Dynamics 365 Customer Service** >

The year 2023 has ushered in dramatic innovations in AI, particularly regarding how businesses interact with customers. Every day, more organizations are discovering how they can empower agents to provide faster, more personalized service using next-generation AI.

# Developer and GitHub

## GitHub Blog and Changelog

- Dependabot will no longer automatically re-run failed jobs when package manifest changes
- GitHub Copilot in the CLI :: Public Beta
- Secret scanning detects generic passwords with AI :: Limited Beta
- Copilot Content Exclusion is now available :: Public Beta
- Generate custom patterns for secret scanning with AI
- Guest collaborators for enterprise managed users :: Public Beta
- Code security insights on the organization-level Security tab :: Beta
- Copilot in JetBrains IDEs – Chat :: Private Beta
- GitHub Actions – Enforcing workflow scope when creating a release
- Azure private networking for GitHub-hosted runners :: Public Beta
- Enabling reactive 2FA requirements for release creation



## Microsoft Developer Blogs:

- Announcing the Build Server for Gradle Open-Source Repository
- OpenAI Assistants: The power of templated assistant instructions
- Unreal Engine and C++ Game Development Made Easy with Visual Studio 2022
- Announcing .NET 8
- .NET Framework November 2023 Security and Quality Rollup
- Building the next era of AI: Teams AI Library and API message extensions
- Introducing new chat components with the Microsoft Graph Toolkit

### Leveraging AI to empower all developers at GitHub Universe 2023

GitHub Universe 2023 is just around the corner! Join us and learn how GitHub is leveraging AI to empower all developers, including developers with disabilities.

Ed Summers November 2, 2023



### Universe 2023: Copilot transforms GitHub into the AI-powered developer platform

GitHub is announcing general availability of GitHub Copilot Chat, and previews of the new GitHub Copilot Enterprise offering, new AI-powered security features, and the GitHub Copilot Partner Program.

Thomas Dohmke November 2, 2023

### Demystifying LLMs: How they can do things they weren't trained to do

Explore how LLMs generate text, why they sometimes hallucinate information, and the ethical implications surrounding their incredible capabilities.

Jelmy Ruiz October 27, 2023

### Release Radar · Hacktoberfest 2023 Edition

As Hacktoberfest comes to a close, you still have a day or so left to complete and submit your pull requests. If you're struggling to think of projects to contribute...

Michelle Mannerling October 30, 2023

### The architecture of today's LLM applications

Here's everything you need to know to build your first LLM app and problem spaces you can start exploring today.

Nicole Choi October 30, 2023

### How to gain insight into your project contributors

We're excited to share with you the contributors Action! At GitHub, we maintain several open source repositories and have developed this Action to empower maintainers to measure how many new and returning contributors and contributions have occurred over any given time period.

Zack Koppert October 23, 2023

### Introducing AI-powered application security testing with GitHub Advanced Security

Learn about how GitHub Advanced Security's new AI-powered features can help you secure your code more efficiently than ever.

Asha Chakrabarty & Laura Paine November 8, 2023



# Office Developer Blogs and Microsoft 365 Dev Center



Microsoft

Introducing new chat components with the Microsoft Graph Toolkit



November 14, 2023

Sébastien Levert, Ricky Castaneda, Katya Trishina

Announcing the public preview of the Microsoft Teams chat controls for Microsoft Graph, powered by Microsoft Graph Toolkit and the Azure Communication Services UI Library.

Microsoft

Use Microsoft Graph connectors to securely bring external content into Microsoft 365



Microsoft Graph

November 13, 2023

Waldek Mastykarz, Mounika Narayanan

Learn how to build an access control list (ACL) when importing content to Microsoft 365 using Microsoft Graph connectors.

Microsoft

Now available  
Outlook rich notifications in Microsoft Graph



Microsoft Graph

November 10, 2023

Cameron Parker

Rich notifications for Outlook, now available, are a feature that let you receive notifications that include resource change data.

Microsoft

Build a custom Microsoft Graph connector



November 7, 2023

Waldek Mastykarz

Integrate external data sources into Microsoft Graph to appear across Microsoft 365 experiences with custom Graph connectors.

Microsoft

Send Microsoft Teams activity notifications without app manifest changes



November 6, 2023

Luyao Wang

Use the activity notification APIs in Microsoft Graph to extend this functionality to your apps.

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November 10, 2023

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## Let's build a custom Microsoft Graph connector

November 7, 2023

Waldek Mastykarz

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## Send Microsoft Teams activity notifications without app manifest changes

November 6, 2023

Luyao Wang

Use the activity notification APIs in Microsoft Graph to extend this functionality to your apps.

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

- Feature recap ahead of our annual conference, [Microsoft Ignite!](#)
- The [Visual Studio 2022 add-in is now available for Dynamics 365 for Financials and Operations.](#)
- [Teams Tab SSO Authentication Sample C#](#)
- [Send task approval request using activity feed notification \(Graph APIs\).](#)
- [Messaging Extension SSO Config Bot](#)
- [ChatLifecycle Application](#)
- [App Compliance Automation Tool for Microsoft 365](#)
- [Test and debug securely with Dev Tunnels](#)



Design beautiful user experiences using Fluent UI

[Get started >](#)



Enrich your app with data and intelligence from Microsoft Graph

[Get started >](#)



Build powerful apps with Outlook and Office

[Get started >](#)

# New trends with Microsoft Technology



# Updates from Microsoft Industry Blogs



Oct 31 • 7 min read

## The security cultural transformation of the automotive industry >

For the last few years, the automotive industry has been going through a renaissance with cars becoming software-driven, adding new functionalities and "apps" to every new model year. Like the evolution from mainframe computers to sophisticated cloud-connected graphics processing unit-driven desktops, the automotive industry is evolving from traditional hardware-centric cars to software-driven computers on wheels.



Retail • Oct 23 • 6 min read

## From discussion to deployment: 4 key lessons in generative AI >

A year ago, few had heard the term 'generative AI', but with the launch of OpenAI's ChatGPT that all changed very rapidly. Within 64 days of launch, ChatGPT had over 100 million users<sup>1</sup> and this interest changed completely the conversations between business teams and their IT counterparts. It also changed the conversations Microsoft customer-facing teams were



November 15, 2023 • 4 min read

## Introducing Copilot in Microsoft Dynamics 365 Guides, bringing generative AI in mixed reality to frontline workers >

Today, we are announcing Copilot in Microsoft Dynamics 365 Guides, which combines the power of generative AI



Government • Oct 19 • 5 min read

## How governments are leveling the cybersecurity playing field with cloud and AI >

In the amount of time it takes for you to read this sentence, cybercriminals and nation-state attackers will have launched more than 40,000 password attacks against computing systems, devices, and people around the world.<sup>1</sup> That's 4,000 attacks every second. It is a sobering statistic and simply one measure of the expanding threat landscape facing several



Financial services • Oct 17 • 5 min read

## How Microsoft and generative AI are transforming financial service contact centers >

Using generative AI to reinvent the contact center is an unparalleled opportunity not just to deepen customer relationships but to unlock new business value. With generative AI and the Microsoft Cloud, financial services businesses can optimize costs, reduce time to value, enhance collaboration, and use data to deliver more impactful business outcomes.



Financial services • Oct 23 • 5 min read

## Insurance in the era of generative AI: Use cases that transform the industry >

Innovative insurers are moving quickly to use the power of generative AI, and in this post, we'd like to share a few of the most important classes of use cases that our insurance customers are excited about today.



Healthcare • Oct 18 • 7 min read

## Innovating with Microsoft Industry Clouds next release wave >

These innovations represent our collaboration with partners across industries who build and extend these solutions, enabling high-value scenarios for our customers. During this wave, we're offering richer, more data-driven precision, and new personalized experiences for customers and employees to advance decision making for business growth.



# 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.

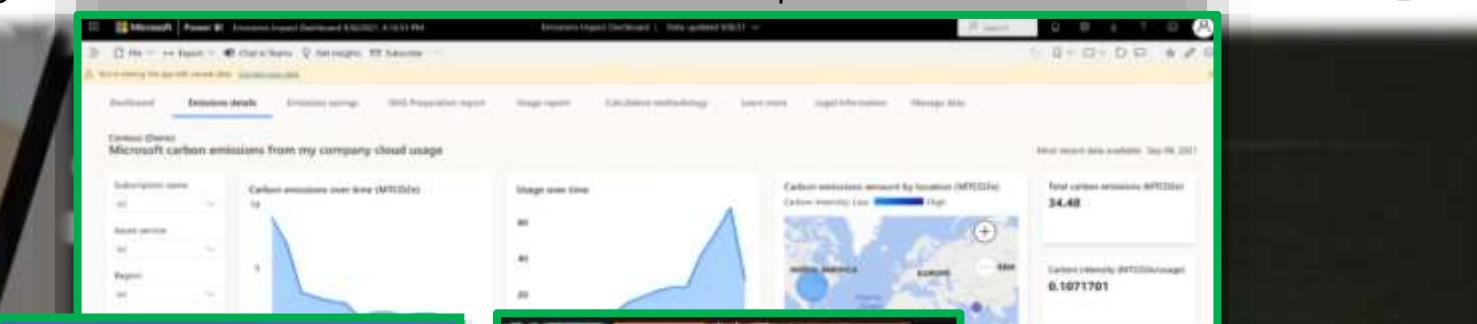
[Get started >](#)



### Renewable energy procurement training

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

[Get started >](#)



[Energy and resources • Oct 26 • 5 min read](#)

### Powering the energy transition with AI and collaborative partnerships >

While global energy demand continues to rise, tackling the trilemma of energy security, equity, and the climate crisis remains one of our greatest challenges. The topic continues to be front and center for leaders, and the main theme at industry events.



[Oct 31 • 4 min read](#)

### Microsoft Cloud for Sustainability: Run your carbon fee program with new capabilities >

As organizations strive to achieve net zero carbon emissions, they need powerful tools and strategies to drive reductions faster. The new Carbon fee (preview) in Microsoft Sustainability Manager is one such capability.

## 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 >](#)

# Microsoft Research Blog



VIS2023



[Data Formulator: A concept-driven, AI-powered approach to data visualization >](#)

October 27, 2023

Visualization is vital for understanding complex data, but existing tools require "tidy data," adding extra steps. Learn how Data Formulator transforms concepts into visuals, promoting collaboration between analysts and AI agents.

SOSP 2023



[Project Silica: Sustainable cloud archival storage in glass >](#)

October 26, 2023

This research paper was presented at the 29th ACM Symposium on Operating Systems Principles (opens in new tab) (SOSP 2023), the premier forum for the theory and practice of computer systems software. For millennia, data has woven itself into every facet of our lives, from...



[Decoding Trust: A Comprehensive Assessment of Trustworthiness in GPT Models >](#)

October 16, 2023 | [Boxin Wang](#), [Bo Li](#), and [Zinan Lin](#)

How trustworthy are generative pre-trained transformer (GPT) models? To answer this question, University of Illinois Urbana-Champaign, together with Stanford University, University of California, Berkeley, Center for AI Safety, and Microsoft Research, released a comprehensive trustworthiness evaluation platform for large language models (LLMs), which is presented...

RESEARCH FOCUS  
OCTOBER 25, 2023

[Research Focus: Week of October 23, 2023 >](#)

October 25, 2023

In this issue: Kosmos-2.5: A Multimodal Literate Model; Can vine copulas explain complex relationships of weather variables; New system accelerates the adaptive training process; Structural inequalities and relational labor in the influencer industry.

# Microsoft Quantum Blog :: Innovation News



## Microsoft and Photonic join forces on the path to quantum at scale >

November 8, 2023 • 3 min read



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

We are excited to announce a strategic co-innovation partnership with Photonic Inc., a company focused on building scalable, fault tolerant, and distributed quantum technologies. [Read more](#)

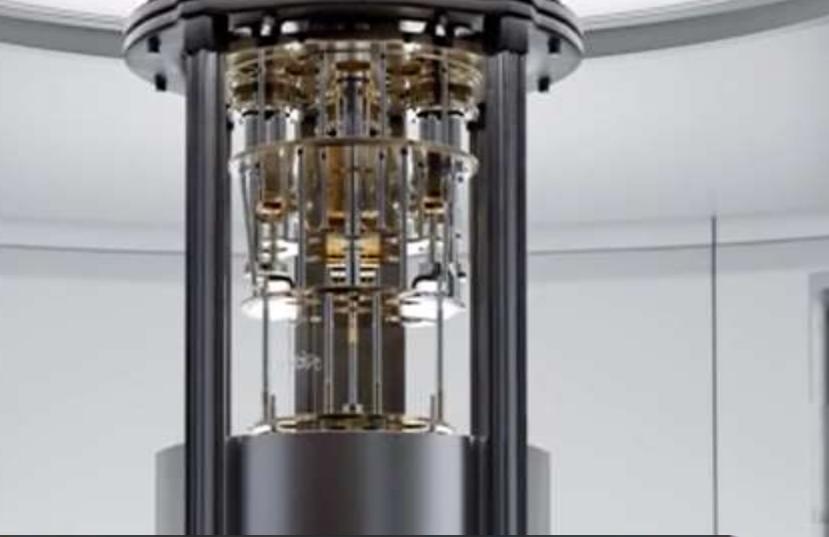
### + Technical docs

Explore the Azure Quantum technical documentation including quick starts, tutorials, and API references.

### + Quantum katas

Learn quantum computing and Q# programming with self-paced tutorials and exercises on GitHub.

[Try Copilot in Azure Quantum](#)



## Quantum networking: A roadmap to a quantum internet >

November 1, 2023 • 6 min read



By [Brad Lackey](#), Senior Principal Quantum Architect, Microsoft

Quantum computing has the potential to tackle some of our most pressing global issues, from climate change to food security. We're dedicated to building a full-scale, fault-tolerant quantum computer that can help solve these challenges. [Read more](#)



# Azure



# Azure Updates

## Azure Blog



[AI + Machine Learning](#) [Announcements](#) [Azure Arc](#) [Azure IoT](#) [Azure Migrate](#) [Events](#) Published November 15, 2023 • 6 min read

### Microsoft Azure delivers purpose-built cloud infrastructure in the era of AI >

By [Omar Khan](#) General Manager, Azure Product Marketing

With Azure, you can trust that you are on a secure and well-managed foundation to utilize the latest advancements in AI and cloud-native services. Azure is adaptive and purpose-built for all your workloads, helping you seamlessly unify and manage all your infrastructure, data, analytics, and AI solutions.

[AI + Machine Learning](#) [Azure OpenAI Service](#) [Compute](#) [Partners](#) [Thought leadership](#) Published November 8, 2023 • 4 min read

### Azure sets a scale record in large language model training >

By [Kushal Datta](#) Principal Software Engineer, [Hugo Affaticati](#) Technical Program Manager 2, Microsoft, and [Hyunseung Harry Yoo](#) Senior Software Engineer, Microsoft

Customers need reliable and performant infrastructure to bring the most sophisticated AI use cases to market in record time. Our objective is to build state-of-the-art infrastructure and meet these demands. The latest MLPerf™ 3.1 Training results<sup>1</sup> are a testament to our unwavering commitment to building high-quality and high-performance systems in the cloud to achieve unparalleled efficiency in training LLMs at scale.

[Announcements](#) [Cost Management](#) [Management and Governance](#) Published November 9, 2023 • 8 min read

### Microsoft Cost Management updates—November 2023 >

By [Sameer Doultani](#) Principal Product Manager

We're always looking for ways to learn more about your challenges and how Microsoft Cost Management can help you better understand where you're accruing costs in the cloud, identify and prevent bad spending patterns, and optimize costs to empower you to do more with less.

## Updates & Announcements

- ❖ [Azure Chaos Studio :: Generally Available](#)
- ❖ [Vector search in Azure Cosmos DB for MongoDB vCore](#)
- ❖ [The Microsoft Azure Incubations Team launches Radius, a new open application platform for the cloud](#)
- ❖ [New Basic SKU functionality for Azure confidential ledger](#)
- ❖ [Additional Azure ExpressRoute peering locations](#)
- ❖ [AMD confidential VM option for Azure Databricks](#)
- ❖ [Announcing Azure API Management Credential Manager: Azure API Management Authorizations Renamed](#)
- ❖ [Announcing the preview of Azure Managed Confidential Consortium Framework :: Public Preview](#)
- ❖ [Azure confidential VMs with NVIDIA H100 Tensor Core GPUs :: Preview](#)
- ❖ [Disk Integrity Tool for confidential VMs in Azure :: Preview](#)
- ❖ [Azure AI Advantage for Azure Cosmos DB](#)
- ❖ [Azure confidential VMs with Intel TDX :: Public Preview](#)
- ❖ [Online Disaster recovery between SQL Server 2022 and Azure SQL Managed Instance :: Public Preview](#)
- ❖ [Cross-account container copy for Azure Cosmos DB NoSQL API :: Public Preview](#)
- ❖ [Microsoft Copilot for Azure capability now available in Azure Cosmos DB :: Public Preview](#)

[AI + Machine Learning](#) [Analytics](#) [Azure AI](#) [Azure Machine Learning](#) [Azure Cloud AI Services](#) [Best practices](#) [Management and Governance](#) [Microsoft Purview](#) [Thought leadership](#) Published November 6, 2023 • 7 min read

### Building for the future: The enterprise generative AI application lifecycle with Azure AI >

By [Gregory Budzak](#) Corporate Vice-President, Chief Technology Officer of Azure Machine Learning

The enterprise development process requires collaboration, diligent evaluation, risk management, and scaled deployment. By providing a robust suite of capabilities supporting these challenges, Azure AI affords a clear and efficient path to generating value in your products for your customers.



# Microsoft Fabric: Generally Available

## Data Control end-to-end

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

- Data Factory (Data Integration)
- Synapse Data Engineering
- Synapse Data Warehouse
- Synapse Data Science
- Synapse Real-Time Analytics
- Power BI (Business Intelligence)
- Data Activator (*coming soon*)

The screenshot shows the Microsoft Fabric landing page. At the top right is a circular 'F' logo. Below it, a banner reads 'Announcements · 17 min read' and 'Prepare your data for AI innovation with Microsoft Fabric—now generally available' by Arun Ulagaratchagan. The central part of the page features a diagram of the Microsoft Fabric architecture. It consists of three main vertical columns: 'COMPUTE' (top), 'STORAGE' (middle), and 'MICROSOFT FABRIC' (bottom). The 'MICROSOFT FABRIC' column contains six boxes representing different services: Data Integration (Data Factory), Data Engineering (Synapse), Data Warehouse (Synapse), Data Science (Synapse), Real-Time Analytics (Synapse), and Business Intelligence (Power BI). Below these boxes is a box labeled 'Unified data foundation OneLake'. At the bottom of the page is a call-to-action: 'Bring your data into the era of AI' with the subtext 'Reshape how everyone accesses, manages, and acts on data with a single, AI-powered platform.'

# Azure Services Directory



## Azure AI Content Safety

Use AI to monitor text and image content for safety.

### Azure AI Content Safety

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

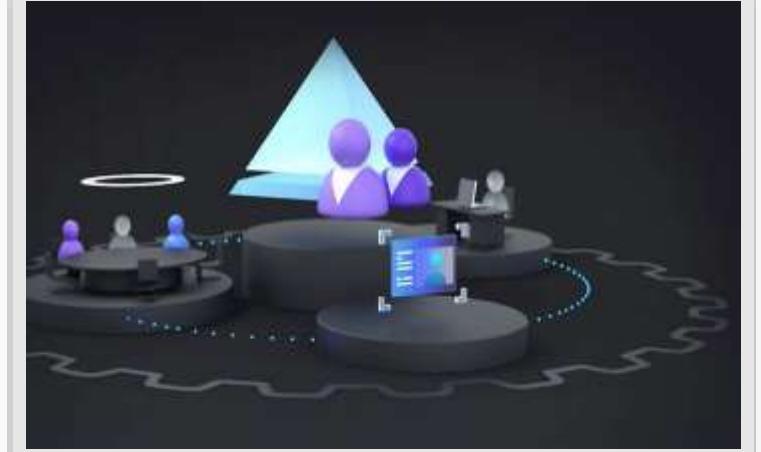


## Azure AI Studio

Simplify Generative AI application development

### Azure AI Studio

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



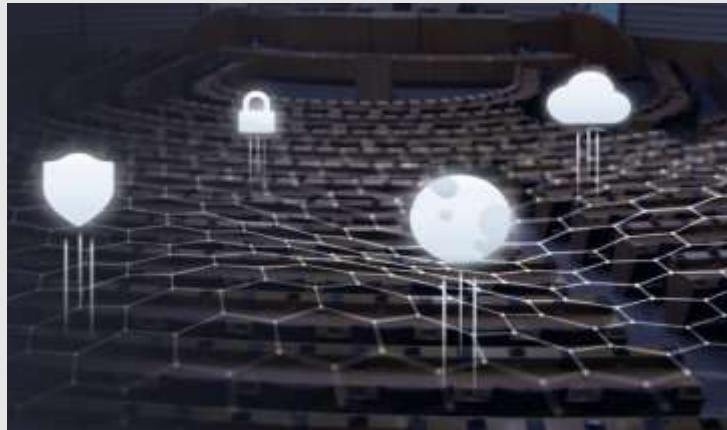
## Azure AD is now Microsoft Entra

Cloud identity, access, management, and security

### Microsoft Entra

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

# Azure Services Directory

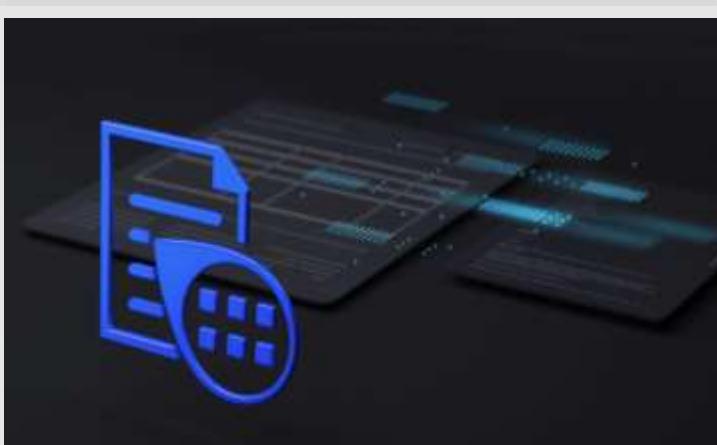


## Cloud for Sovereignty

Unlocking Global Government Innovation

### Cloud for Sovereignty : Preview

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

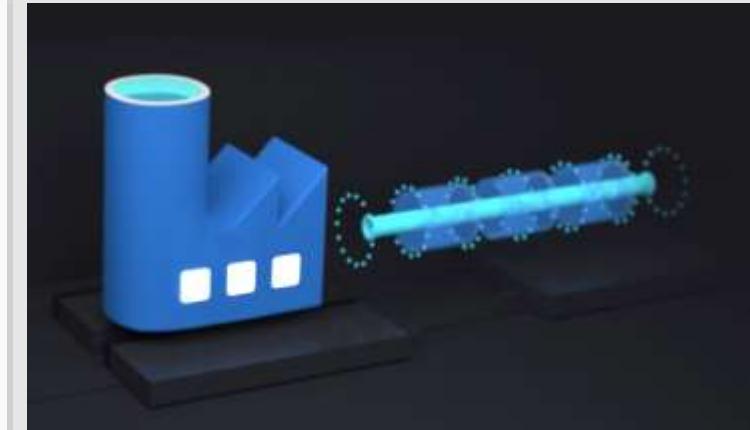


## Azure AI Document Intelligence

Accelerate Information Extraction from documents

### Azure AI Document Intelligence

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



## Azure Data Factory

Simplify Hybrid Data Integration at Enterprise Scale

### Azure Data Factory: Updates

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

# Azure Services Directory



## Azure AI

Drive business results and improve customer experiences with AI solutions

### Azure AI

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



## Azure Cognitive Services

Add cognitive capabilities to apps with APIs and AI services

### Azure Cognitive Services

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



## Azure OpenAI Service

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

### Azure OpenAI Service : Updates

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

# Azure Services Directory



## Azure Confidential Computing

Tamperproof, unstructured data store hosted in Trusted Execution Environments (TEE) and backed by cryptographically verifiable evidence

## Azure Confidential Compute

- ❖ [Solutions to enable the isolation your sensitive data](#)
- ❖ [Confidential VMs with Application Enclaves](#) + [Confidential VMs](#) + [Confidential Containers](#)
- ❖ [Azure Confidential Ledger](#) : Tamper-proof register for storing sensitive data for record keeping and auditing or for data transparency in multi-party scenarios. It offers Write-Once-Read-Many guarantees, which make data non-erasable and non-modifiable. The service is built on Microsoft Research's [Confidential Consortium Framework](#).
- ❖ [Microsoft Azure Attestation](#) : a remote attestation service for validating the trustworthiness of multiple Trusted Execution Environments (TEEs) and verifying integrity of the binaries running inside the TEEs.



## Azure Arc

Secure, develop, and operate infrastructure, apps, and Azure services anywhere

## Azure Arc

- ❖ [View and run across datacenters, at the edge, and in multi-cloud environments](#)
- ❖ [Get up and running immediately with your existing tools](#) and practices including GitHub, Terraform, and Visual Studio.
- ❖ [Leverage Reference Architectures to cross environments, datacenters, and clouds](#)
- ❖ [Use Linux and Windows virtual machines \(VMs\), bare-metal servers, and other clouds with the same server management experience across environments.](#)
- ❖ [Meet governance and compliance standards for apps, infrastructure, and data with Azure Policy.](#)



## Azure Sphere

Create, Connect, and maintain secured intelligent IoT devices from the edge to the cloud

## Azure Sphere

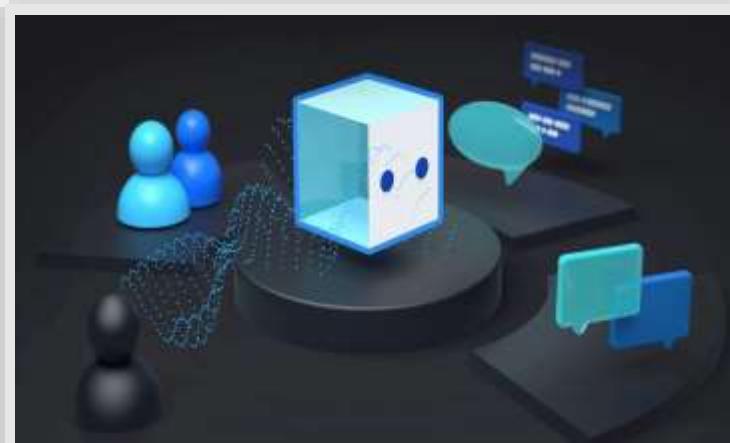
- ❖ [Secured IoT platform for building solutions](#) : From Silicon, through the OS, and the Cloud
- ❖ [Develop, Connect, Manage and Protect intelligent devices](#)
- ❖ [Deploy updates, real-time security patches, OS Updates Over-the-Air \(OTA\)](#)
- ❖ [Solve industry-specific Chip-to-Cloud solutions](#) with advanced device security
- ❖ [Develop real-time capable apps](#)
- ❖ [Use Azure IoT and Azure Sphere for factory-floor operations](#)

# Azure Services Directory



## Azure Operator Nexus

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



## Azure AI Bot Service

Design and Build enterprise-grade AI Bots



## Microsoft Purview

Govern, protect, and manage your data estate

### Azure Operator Nexus

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

### Azure AI Bot Service

- ❖ Build conversational experiences with [Power Virtual Agents](#) and [Azure AI Bot Service](#)
- ❖ [Collaboratively build bots with fusion teams](#)
- ❖ Fusion teams can easily extend bots for complex scenarios with [Bot Framework Composer](#).
- ❖ [Extend your reach with multiple channels and languages](#)
- ❖ Create multimodal and multichannel experiences
- ❖ Scale safely with centralized management
- ❖ Leverage [Bot Framework SDK](#) to build, test, deploy, and manage chatbots
- ❖ Use [Azure AI Services](#), [Azure AI Language](#), [Azure AI Vision](#), and [Azure AI Speech](#) for enhanced bots

### Microsoft Purview

- ❖ [Create a unified map of data](#) across your entire data estate
- ❖ [Make data easily discoverable](#)
- ❖ [Discover, classify, and protect sensitive information wherever it lives or travels](#)
- ❖ [Get a bird's-eye view of sensitive data](#) with Data Estate Insights
- ❖ [Share data without having to make duplications](#)
- ❖ [Enable access to the right data for the right users](#)
- ❖ [Import and archive non-Microsoft data](#) and apply Microsoft 365 protections and governance
- ❖ [Purview Privileged Access Management](#)

# Showcase Blog



# Microsoft Showcase Series



## Inside Track

Discover the inside story of how Microsoft Digital is powering, protecting and transforming Microsoft, helping you learn from our experiences and accelerate your own transformation.



Oct 31, 2023 | Lukas Velush

### [New Microsoft Smart Buildings Showcase Azure Digital Twins](#)

[Editor's note: This content was written to highlight a particular event or moment in time. Although that moment has passed, we're republishing it here so you can see what our thinking and experience was like...]



Nov. 1, 2023 | Lukas Velush

### [Streamlining virtual software provisioning at scale with MyWorkspace](#)

Every software company has unique virtual provisioning needs. Creating complex virtual infrastructure from scratch and maintaining it for even a short period can be labor-intensive, costly, and risky from a security standpoint. When it needs...



Oct 30, 2023 | Inside Track staff

### [Managing user identities and secure access at Microsoft](#)

[Editor's note: This content was written to highlight a particular event or moment in time. Although that moment has passed, we're republishing it here so you can see what our thinking and experience was like...]



Oct 19, 2023 | 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...

# Microsoft Partner News



## CSP Technical Training

Training assists CSP Partners with technical implementation of change.

2023-10-27 Stay Up to Date



## CAF Ready and Govern Train The Trainer Video Govern

Train the Trainer video for delivery of the Govern Methodology deck.

2023-10-23 Engage Customers



## Responsible AI Partner Program

1-page description of program.

2023-10-09 Business Leadership



## CloudAscent helps you build customers for life with data-driven insights

CloudAscent: discover new opportunities with existing customers.



## New annual revenue requirement for CSP indirect resellers

Learn more about the minimum indirect reseller revenue requirement.

2023-10-05



# ESI Training Journey

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

**Microsoft Azure Training Journey**

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

<https://aka.ms/ESIAzureTrainingJourney>

**Microsoft Security Operations Analyst**

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

<https://aka.ms/Pathways>

**Microsoft Security, Compliance, and Identity Training Journey**

This pathway covers Microsoft's security, compliance, and identity offerings, including Azure AD and Microsoft 365.

<https://aka.ms/ESISecurityTrainingJourney>

**Azure AI Engineer Learning Pathway**

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

<https://aka.ms/Pathways>

**Fabric Learning Companion**

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

<https://aka.ms/Pathways>



## Browse all 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.

A collage of learning module cards and a central call-to-action button. The cards are dark blue with rounded corners and white text. They include titles like "Microsoft Security, Compliance, and Identity Fundamentals", "Explore Microsoft Teams", "Get started with AI on Azure", "Introduction to Power BI", and "PL-900: Microsoft Power Platform Fundamentals". Each card displays a small icon, duration, rating, and category. A large, semi-transparent blue button at the bottom center contains the text "Microsoft Virtual Training Days".

- LEARNING PATH**  
**Microsoft Security, Compliance, and Identity Fundamentals:** Describe the concepts of security, compliance, and identity management. Explain how to implement security controls and compliance requirements across various Microsoft products.  
🕒 43 min  
Azure • Business User • Beginner  
Icon: 🛡️
- MODULE**  
**Explore Microsoft Teams**  
Microsoft 365 • Administrator • Intermediate  
🕒 49 min ★★★★★ 4.8 (4.7K)  
Icon: 📱
- MODULE**  
**Get started with AI on Azure**  
Azure • AI Engineer • Beginner  
🕒 34 min ★★★★★ 4.8 (46K)  
Icon: 🤖
- MODULE**  
**Introduction to Power BI**  
Microsoft Power Platform • Business Analyst • Beginner  
🕒 46 min ★★★★★ 4.8 (13K)  
Icon: 📈
- LEARNING PATH**  
**PL-900: Microsoft Power Platform Fundamentals**  
Dynamics 365 • Business User • Beginner  
🕒 7 hr 5 min  
Microsoft Power Platform • Business Analyst • Beginner  
Icon: 📊
- MODULE**  
**Introduction to Microsoft Power Platform**  
Microsoft Power Platform • Business Analyst • Beginner  
🕒 36 min ★★★★★ 4.7 (24K)  
Icon: 📊

**Microsoft Virtual Training Days**

# Microsoft Events and Training: Updates



## Microsoft Virtual Training Days

### Events Catalog

## Experience AI transformation in action at Microsoft Ignite

In Seattle: November 14–17, 2023 PT | Online dates: November 15–16, 2023 PT

Discover the best of what's next in technology, problem-solve with experts, and make global connections to empower yourself to lead your organization.

[Register now](#)

**TRAINING**

### Discover your path

Whether you're just starting or an experienced professional, our hands-on approach helps you arrive at your goals faster, with more confidence and at your own pace.

[Browse the full catalog](#) [Customize my path](#)

## 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.

**Microsoft Security Virtual Training Day: Defend Against Threats and Secure Cloud Environments**

12/11/2023 | 11:00 (CST) - 12/12/2023 | 13:00 (CST)

Digital Training

[Registration and details](#)

**Power Virtual Agents in a Day - PragmaticWorks - United States**

12/13/2023 | 08:00 - 16:00 (CST)

Digital English (United States) Training

[Registration and details](#)

**Azure**

**Microsoft Azure Virtual Training Day: Digitally transform with Modern Analytics**

Learn how to build an analytics solution using Azure Synapse Analytics.

Date & Time: Mon 27 Nov 2023, 12:00 PM - Tue 28 Nov 2023, 12:00 PM  
Timezone: EST  
Country: United States  
Skill Level: Advanced

[Register >](#)

**GitHub Workshop**

12/14/2023 | 10:00 - 14:00 (CST)

Digital English (United States) Workshop

Github is here to improve your dev day. With GitHub Copilot and Codespaces used together, you...

[Show more](#)

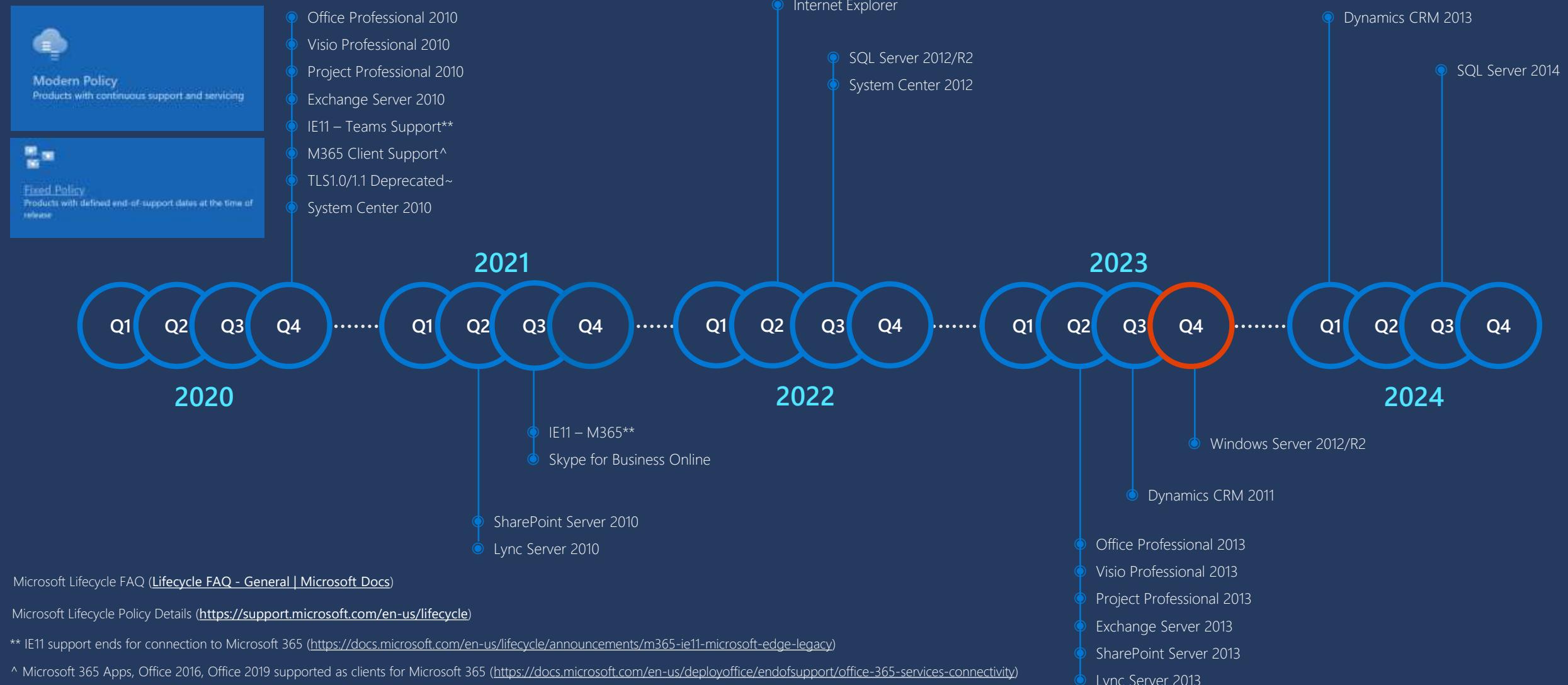
[Registration and details](#)

# Product Lifecycles

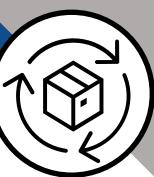




# End of Service Roadmap to 2024



# Microsoft Product Lifecycle: Modern Policy Products that will Retire



## Products under Modern Policy that will Retire in 2023

Products that will Retire in 2023 (Modern Policy)	End of Support Date
<a href="#">Visio Services in SharePoint (in Microsoft 365)</a>	<b>February 10, 2023</b>
<a href="#">Microsoft Store for Business and Education</a>	<b>March 31, 2023</b>
<a href="#">Kaizala</a>	<b>August 31, 2023</b>
<a href="#">Microsoft Azure Virtual Machine (classic)</a> <a href="#">Scheduler for Microsoft 365</a>	<b>September 1, 2023</b>

## Products under Modern Policy that will Retire in 2024

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
<a href="#">Azure Data Lake Storage Gen1</a>	February 29, 2024
<a href="#">Azure Cloud Services (classic)</a> <a href="#">Machine Learning Studio (classic)</a>	August 31, 2024
<a href="#">Azure Database for MySQL Single Server</a>	September 16, 2024

## Announcements

- Power BI Windows app to be retired December 31, 2023
- Visual Studio for Mac to be retired August 31, 2024
- Windows 11, version 21H2 end of servicing (Home & Pro)
- Power BI Windows app for Surface Hub reaching retirement
- Windows 10, version 22H2 end of support date updated
- Windows 10, version 21H2 end of servicing (Home & Pro)

## Lifecycle data export

### Export all products

Export lifecycle data for all products by clicking below:

[Export All Products](#)

- Windows 10, version 20H2 end of servicing (Enterprise, Education)
- Microsoft Store for Business and Education retiring March 31, 2023
- Windows Server 2012 and 2012 R2 reaching end of support
- UPDATED: Support extended for Visio Services in SharePoint Online (aka Visio Web Access)
- Windows 10, version 21H1 end of servicing
- Deprecation of Basic Authentication (Basic Auth) in Exchange Online

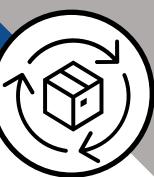
[See more >](#)

# Microsoft Product Lifecycle: Azure Changes



Azure Item	Retirement
Retirement of Computer Vision API v3.2 previews	January 30, 2023
Migrate your IaaS resources to Azure Resource Manager by March 1, 2023 We are retiring Azure AD Domain Services classic VNET support on March 1, 2023 We're retiring some Azure Site Recovery support options on March 1, 2023	March 1, 2023
Action required: Support for Azure Monitor for SAP solutions (classic) resources will end by 31 March 2023 Classic data export in Azure IoT Central will be retired by 31 March 2023 Continuous delivery setting of Azure VMSS will be retired on 31 March 2023 – Use Azure DevOps to create pipelines Deployment Center setting of Azure Kubernetes service (AKS) will be retired on 31 March 2023 – Use Automated Deployments to create pipelines Review your VNET configurations that may be affected by IP address changes	March 31, 2023
Azure Batch TLS 1.0/1.1 will be retired on 31 March 2023	April 1, 2023
Community support for Node 14 LTS is ending on 30 April 2023	April 30, 2023
Responsible AI investments and safeguards for Facial Recognition	July 1, 2023
Azure API Management will retire 5 legacy metrics in Azure Monitor on 31 August 2023 Azure S8 and S9 Analysis Services SKUs retiring on 31 August 2023 Azure Storage classic metrics will be retired on 31 August 2023 Migrate your Azure Data Factory version 1 to 2 service ( <a href="#">updated migration link</a> ) NC v2-series Azure Virtual Machines retirement extended to 31 August 2023 NC-series Azure Virtual Machines retirement extended to 31 August 2023 ND-series Azure Virtual Machines retirement extended to 31 August 2023 NV-series and NV Promo Azure Virtual Machines retirement extended to 31 August 2023 Update: NC v2-series Azure Virtual Machines will be retired on 31 August 2023 Update: NC-series Azure Virtual Machines will be retired on 31 August 2023 Update: ND-series Azure Virtual Machines will be retired on 31 August 2023 Update: NV-series and NV Promo Azure Virtual Machines will be retired on 31 August 2023 View Designer in Azure Monitor is retiring on 31 August 2023	August 31, 2023
Operator Assistance in Azure MFA will be retired on 30 September 2023	September 30, 2023
Action Required: Update to Data Science Virtual Machine Ubuntu 18.04 Bing Search APIs will transition from Azure Cognitive Services to Azure Marketplace on 31 October 2023 Legacy developer portal in Azure API Management will retire on 31 October 2023 We're retiring Azure SQL DB Import-Export Direct Endpoints on 31 October 2023	October 31, 2023
Community support for PHP 8.0 is ending on 26 November 2023	November 26, 2023

# Microsoft Product Lifecycle: Modern Policy Reaching End of Servicing



## Products Release End of Servicing for 2023

<b>Products Moving to End of Servicing (Modern Policy)</b>	<b>End of Servicing Date</b>
<a href="#">Microsoft Configuration Manager, Version 2107</a>	<b>February 2, 2023</b>
<a href="#">FSLogix, Version 2210</a>	<b>March 3, 2023</b>
<a href="#">Dynamics 365 Business Central on-premises (Modern Policy), 2021 release wave 2, version 19.x</a>	<b>April 12, 2023</b>
<a href="#">Windows 10 Enterprise and Education, Version 20H2</a> <a href="#">Windows 10 IoT Enterprise, Version 20H2</a>	<b>May 9, 2023</b>
<a href="#">Microsoft Configuration Manager, Version 2111</a>	<b>June 1, 2023</b>
<a href="#">Windows 10 Home and Pro, Version 21H2</a>	<b>June 13, 2023</b>
<a href="#">Microsoft Configuration Manager, Version 2203</a>	<b>October 6, 2023</b>
<a href="#">Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 1, version 20.x</a> <a href="#">Windows 11 Home and Pro, Version 21H2</a>	<b>October 10, 2023</b>

## Products Release End of Servicing for 2024

<b>Products Moving to End of Servicing (Modern Policy)</b>	<b>End of Servicing Date</b>
<a href="#">Microsoft Configuration Manager, Version 2207</a>	February 12, 2024
<a href="#">Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 2, version 21.x</a>	April 14, 2024
<a href="#">Windows 10 Enterprise and Education, Version 21H2</a> <a href="#">Windows 10 IoT Enterprise, Version 21H2</a>	June 11, 2024
<a href="#">Microsoft Configuration Manager, Version 2211</a>	July 19, 2024
<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>	October 8, 2024
<a href="#">Microsoft Configuration Manager, Version 2303</a>	October 24, 2024
<a href="#">PowerShell, PowerShell 7.2 (LTS-current)</a>	November 8, 2024
<a href="#">Azure IoT Edge, Version 1.4 (LTS)</a> <a href="#">.NET 6.0 (LTS)</a>	November 12, 2024

# Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2023



## Products Reaching End of Support for 2023

Products Moving to End of Support (Modern Policy)	End of Servicing Date	Products Moving to End of Support (Modern Policy)	End of Servicing Date
<a href="#">Dynamics AX 2012 R3</a> <a href="#">Dynamics NAV 2013</a> <a href="#">Dynamics NAV 2013 R2</a> <a href="#">Internet Information Services (IIS), IIS 8.5 on Windows 8.1</a> <a href="#">Microsoft Diagnostics and Recovery Toolset 8.0</a> <a href="#">Microsoft Report Viewer 2012 Runtime</a> <a href="#">Microsoft Report Viewer Redistributable 2012</a> <a href="#">Microsoft Workflow Manager 1.0</a> <a href="#">Service Bus for Windows Server</a> <a href="#">User Experience Virtualization (UE-V) 1.0</a> <a href="#">Visual Studio 2012</a> <a href="#">Visual Studio Team Foundation Server 2012</a> <a href="#">Windows 7, Extended Security Update Year 3*</a> <a href="#">Windows 8.1</a> <a href="#">Windows Defender For Windows 8 and 8.1</a> <a href="#">Windows Embedded 8.1 Pro</a> <a href="#">Windows RT</a> <a href="#">Windows Server 2008, Extended Security Update Year 3</a> <a href="#">Windows Server 2008 R2, Extended Security Update Year 3</a>	January 10, 2023	<a href="#">BizTalk Server 2013</a> <a href="#">BizTalk Server 2013 R2</a> <a href="#">Dynamics 365 for Customer Engagement Apps, version 9 (on-premises update), Original Release (ver 9.0)</a> <a href="#">Microsoft BitLocker Administration and Monitoring 2.0</a> <a href="#">Microsoft SQL Server 2008, Extended Security Update Year 4 (Azure only)</a> <a href="#">Microsoft SQL Server 2008 R2, Extended Security Update Year 4 (Azure only)</a> <a href="#">Microsoft SQL Server 2012, Extended Security Update Year 1</a> <a href="#">Visual Studio 2022 , Version 17.0 (LTSC channel)</a> <a href="#">Windows Embedded 8 Standard</a> <a href="#">Windows Embedded 8.1 Industry</a>	July 11, 2023
<a href="#">Access 2013</a> <a href="#">Dynamics GP 2013</a> <a href="#">Dynamics GP 2013 R2</a> <a href="#">Excel 2013</a> <a href="#">Exchange Server 2013</a> <a href="#">HPC Pack 2012</a> <a href="#">HPC Pack 2012 R2</a> <a href="#">Lync 2013</a> <a href="#">Microsoft Lync Phone Edition</a> <a href="#">Microsoft Lync Server 2013</a> <a href="#">Microsoft Office 2013</a> <a href="#">Microsoft OneNote 2013</a> <a href="#">Outlook 2013</a> <a href="#">PowerPoint 2013</a> <a href="#">Project 2013</a> <a href="#">Project Server 2013</a> <a href="#">Publisher 2013</a> <a href="#">SharePoint Foundation 2013</a> <a href="#">SharePoint Server 2013</a> <a href="#">Skype for Business 2015</a> <a href="#">Visio 2013</a> <a href="#">Word 2013</a>	April 11, 2023	<a href="#">Excel 2019 for Mac</a> <a href="#">Hyper-V Server 2012</a> <a href="#">Hyper-V Server 2012 R2</a> <a href="#">Internet Explorer 7</a> <a href="#">Internet Information Services (IIS), IIS 8 on Windows Server 2012</a> <a href="#">Internet Information Services (IIS), IIS 8.5 on Windows Server 2012 R2</a> <a href="#">Microsoft Office 2019 for Mac</a> <a href="#">Microsoft Office Audit and Control Management Server 2013</a> <a href="#">Outlook 2019 for Mac</a> <a href="#">PowerPoint 2019 for Mac</a> <a href="#">Windows Embedded Compact 2013</a> <a href="#">Windows Embedded POSReady 7, Extended Security Update Year 2*</a> <a href="#">Windows Embedded Standard 7, Extended Security Update Year 3*</a> <a href="#">Windows MultiPoint Server 2012</a> <a href="#">Windows Server 2012</a> <a href="#">Windows Server 2012 R2</a> <a href="#">Windows Server Update Services for Windows Server 2012</a> <a href="#">Windows Server Update Services for Windows Server 2012 R2</a> <a href="#">Windows Storage Server 2012</a> <a href="#">Windows Storage Server 2012 R2</a> <a href="#">Word 2019 for Mac</a>	October 10, 2023

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



## Products Reaching End of Support for 2024

Products Moving to End of Support (Modern Policy)	End of Servicing Date
<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>	January 9, 2024
<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>	April 9, 2024
<a href="#">Microsoft SQL Server 2012, Extended Security Update Year 2</a> <a href="#">SQL Server 2014</a>	July 9, 2024
<a href="#">Visual Studio 2022 , Version 17.4 (LTSC channel)</a>	July 11, 2024
<a href="#">Microsoft SQL Server 2012 Parallel Data Warehouse (Analytics Platform System)</a> <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>	October 8, 2024

# Microsoft Product Lifecycle: Products moving to Extended Support



## Products Moving to Extended Support for 2023

Products Moving to Extended Support (Fixed Policy)	End of Support Date
<a href="#">Dynamics GP 2018</a> <a href="#">Dynamics GP 2018 R2</a> <a href="#">Dynamics NAV 2018</a> <a href="#">Visual Studio Team Foundation Server 2018</a>	<b>January 10, 2023</b>
<a href="#">Access 2019</a> <a href="#">Dynamics 365 Business Central on-premises (Fixed Policy)</a> <a href="#">Excel 2019</a> <a href="#">Microsoft Office 2019</a> <a href="#">OneNote 2016</a> <a href="#">Outlook 2019</a> <a href="#">PowerPoint 2019</a> <a href="#">Project 2019</a> <a href="#">Publisher 2019</a> <a href="#">Visio 2019</a> <a href="#">Word 2019</a>	<b>October 10, 2023</b>

## Products Moving to Extended Support for 2024

Products Moving to Extended Support (Fixed Policy)	End of Support Date
<a href="#">Dynamics SL 2018</a> <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 10 IoT LTSC 2019 Core</a> <a href="#">Windows Server 2019</a> <a href="#">Windows Server IoT 2019</a> <a href="#">Windows Server IoT 2019 for Storage</a>	January 9, 2024
<a href="#">Azure DevOps Server 2019</a> <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>	April 9, 2024



# Acquisitions and Announcements

# Microsoft Acquisitions - 2023



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

# Microsoft Acquisitions - 2022



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

# Microsoft Acquisitions - 2021



Company	Date	Description
<a href="#">Xandr</a>	12-21-2021	Microsoft will <b>acquire Xandr from AT&amp;T</b> . Xandr provides a <b>data-enabled technology platform with tools</b> that help power a diverse ecosystem <b>connecting marketers and media owners through first-party, data-led advertising solutions</b> across its network. With Xandr, <b>Microsoft can accelerate the delivery of digital advertising solutions for the open web</b> by combining Microsoft's audience understanding, technology and global advertising customer base with Xandr's large-scale, data-driven platforms for advertising.
<a href="#">Two Hat</a>	10-29-2021	<b>Two Hat</b> , a leading content moderation solution provider offering protection measures for online communities. Two Hat's technology has helped to make global communities in Xbox, Minecraft and MSN safer for users.
<a href="#">Clear Software</a>	10-22-2021	<b>Clear Software</b> provides iPaaS and business process solutions with <b>strong connectivity into SAP and Oracle</b> . <b>Clear Software's API access and system knowledge will strengthen Microsoft Power Platform's integration with outside systems and accelerate how customers leverage data and processes</b> that reside beyond Microsoft first-party services.
<a href="#">Ally.IO</a>	10-07-2021	<b>Ally.io</b> , a leading OKR (objectives and key results) company, will <b>join the Microsoft Viva family as part of our employee experience platform (EXP)</b> designed to help companies embrace the new digital work life. <b>Ally.io will power a new Microsoft Viva module</b> . Viva is an employee experience platform that brings together communications, knowledge, learning, resources and insights – from anywhere you work. <b>Powered by Microsoft 365 and Microsoft Teams</b> , Viva helps organizations foster a culture of human connection, growth, well-being and success.
<a href="#">TakeLessons</a>	09-08-2021	We're so excited to announce that <b>TakeLessons has been acquired by Microsoft</b> . We believe this will further support TakeLessons' mission: <b>to empower people to learn, connect, grow, and live more meaningful lives through education</b> .
<a href="#">Clipchamp</a>	09-07-2021	<b>Clipchamp</b> is a natural fit to extend the cloud-powered productivity experiences in <b>Microsoft 365</b> for individuals, families, schools, and businesses. It's also a great fit for Microsoft Windows, which is a platform for boundless creativity. <b>Clipchamp's template-driven, task-focused user experience</b> gives everyone the confidence that they can create. Its <b>rich library of filters, styles, transitions, and stock media combined with the power of a multi-track audio and video compositing editor</b> gives everyone the fine control they need, and artistic help if they need it, to <b>create exactly what they want, quickly and with confidence</b> .
<a href="#">Peer5</a>	08-10-2021	<b>Peer5</b> expands Microsoft's ability for delivering <b>secure, high-quality, large-scale live video streaming with optimized network performance in Teams</b> . Peer5 offers a WebRTC-based eCDN solution that runs in-browser to optimize bandwidth usage helping mitigate impacts to network and line of business (LOB) applications. Its <b>mesh networks are self-balancing and automatically scale</b> as the number of viewers increase.

# Microsoft Acquisitions - 2021



Company	Date	Description
<a href="#">Suplari</a>	07-28-2021	<a href="#">Suplari</a> , a leading provider of <b>supplier spend insights</b> . Suplari enables <b>companies to proactively manage supplier spend by transforming data from multiple sources</b> , such as contracts, purchase orders, invoices, expenses, and supplier risk, into valuable insight. By bringing Suplari's spend intelligence insights together with the existing <a href="#">Microsoft Dynamics 365</a> capabilities, Microsoft is <b>further helping organizations become insight-driven</b> and enabling business leaders to take strategic action.
<a href="#">CloudKnox</a>	07-21-2021	Enhanced Zero-Trust controls. The acquisition of <a href="#">CloudKnox</a> further enables <a href="#">Microsoft Azure Active Directory</a> customers with <b>granular visibility, continuous monitoring and automated remediation for hybrid and multi-cloud permissions</b> . Microsoft is committed to providing our customers with unified privileged access management, identity governance and entitlement management. With this Cloudknox, Microsoft is uniquely positioned to <b>empower and defend the future of hybrid work and multi-cloud environments, providing essential visibility, control and monitoring Zero Trust demands</b> .
<a href="#">RiskIQ</a>	07-12-2021	A <b>leader in global threat intelligence and attack surface management</b> , to help our shared customers build a more comprehensive view of the global threats to their businesses, better understand vulnerable internet-facing assets, and build world-class threat intelligence. <a href="#">RiskIQ</a> offers global threat intelligence collected from across the internet, <b>crowd-sourced through its PassiveTotal community of security researchers and analyzed using machine learning</b> . The combination of RiskIQ's attack surface management and threat intelligence empowers security teams to assemble, graph, and identify connections between their digital attack surface and attacker infrastructure and activities, to help <b>provide increased protection and faster response</b> .
<a href="#">ReFirm Labs</a>	06-02-2021	<a href="#">ReFirm Labs</a> is joining Microsoft to <b>enrich our firmware analysis and security capabilities across devices that form the intelligent edge, from servers to IoT</b> . This acquisition marks the <b>next step in our journey and ability to help secure customers from the chip to the cloud</b> , backed by more than 3,500 defenders at Microsoft and the >8 trillion security signals we process every day. <a href="#">ReFirm</a> are the authors of the well-respected <a href="#">Binwalk open-source software</a> , which has been used to <b>analyze thousands of device types for firmware security issues</b> , uncovering unpatched common vulnerabilities and exposures (CVEs), insecure secrets, and a multitude of other security problems in plugin IoT devices and embedded firmware. <a href="#">Microsoft acquires ReFirm Labs to enhance IoT security - Microsoft Security</a>
<a href="#">Kinvolk</a>	04-29-2021	<a href="#">Kinvolk</a> has a rich, innovative history in open source cloud-native distributed computing, including Kubernetes, eBPF, community building, and <b>container-optimized Linux</b> . Kinvolk will be key contributors to the engineering development of <a href="#">Azure Kubernetes Service (AKS)</a> , <a href="#">Azure Arc</a> , and future projects that <b>will expand Azure's hybrid container platform capabilities</b> and <b>increase Microsoft's upstream open source contributions</b> in the Kubernetes and container space.
<a href="#">Nuance</a>	04-12-2021	<a href="#">Nuance</a> is a cloud software pioneer and a leading provider of conversational AI and ambient clinical intelligence. Nuance provides <b>AI expertise and intelligent customer engagement across Interactive Voice Response (IVR), virtual assistants, and digital and biometric solutions</b> to some of the largest organizations in the world. Nuance's global customer and partner base spans nearly every industry, and <b>together we are well-positioned to advance our AI capabilities with high-value solutions and a platform to support our customers' and partners' future innovation</b> .
<a href="#">The Marsden Group</a>	03-16-2021	<a href="#">The Marsden Group</a> is a leader in industrial technology innovation and rapid prototyping. The Marsden Group has earned a unique reputation as a powerful and trusted partner among industry leaders who seek to <b>quickly identify business needs, ideate technology solutions and build high-quality prototypes tailored to individual customer needs</b> . The Marsden Group has helped its enterprise customers rapidly envision, prototype and implement solutions that <b>drive meaningful value to their businesses, employees and customers</b> .



## Microsoft Acquisitions - 2020

Company	Date	Description
<a href="#"><u>ZeniMax Media</u></a>	09-21-2020	<b>ZeniMax Media, the parent company of Bethesda Softworks</b> , one of the <b>largest privately held game developers and publishers in the world</b> . Creators of critically acclaimed and <b>best-selling gaming franchises including The Elder Scrolls, Fallout and many others</b> , Bethesda brings an <b>impressive portfolio of games, technology and talent</b> — as well as a track record of blockbuster commercial success — to Xbox.
<a href="#"><u>Orions Systems</u></a>	07-07-2020	Orions Systems, a pioneer in the development <b>of large-scale, hybrid, smart vision systems focused on “human-in-the-loop” machine teaching</b> combined with <b>services that can adapt to running on a single device or scale to address large scale edge-to-cloud network topologies</b> . The Power Platform and Orions Systems is enabling intelligent retail spaces by leveraging observational data to unlock the full potential of customers, employees, and assets.
<a href="#"><u>CyberX</u></a>	06-22-2020	CyberX will complement the existing <a href="#"><u>Azure IoT security</u></a> capabilities and <b>extends to existing devices including those used in industrial IoT, Operational Technology and infrastructure scenarios</b> . With CyberX, customers can <b>discover their existing IoT assets, and both manage and improve the security posture of those devices</b> . CyberX, customers can see a digital map of thousands of devices across a factory floor or within a building and gather information about their asset profile and vulnerabilities,
<a href="#"><u>ADRM Software</u></a>	06-18-2020	ADRM Software is a <b>leading provider of large-scale industry data models</b> , which are used by large companies worldwide as information blueprints. ADRM's robust industry data models have been built and refined over decades for business-critical analytics. <b>Together with Microsoft Azure, these capabilities will be delivered at scale</b> , enabling our customers to accelerate digital progress, and reduce risk in a variety of major initiatives.
<a href="#"><u>Softomotive</u></a>	05-19-2020	<a href="#"><u>Softomotive</u></a> currently helps more than 9,000 global customers seamlessly <b>automate business processes across legacy and modern desktop applications</b> . Together <b>with Power Automate, WinAutomation will provide customers additional options for RPA desktop authoring</b> so anyone can build a bot and automate Windows-based tasks.
<a href="#"><u>Metaswitch Networks</u></a>	05-14-2020	<a href="#"><u>Metaswitch Networks</u></a> , a leading provider of <b>virtualized network software and voice, data and communications solutions for 5G operators</b> .
<a href="#"><u>Corp.Com</u></a>	04-07-2020	"To help in keeping systems protected we encourage customers to practice safe security habits when planning for internal domain and network names. We released a security advisory in June of 2009 and a security update that helps keep customers safe. In our ongoing commitment to customer security, we also acquired the Corp.com domain."
<a href="#"><u>Affirmed Networks</u></a>	03-26-2020	<b>Affirmed Networks with its leadership in virtualized 5G mobile networks</b> . Affirmed Networks and Microsoft will play an important role in helping advance 5G and deliver new network solutions that offer step-change advancements in speed, cost and security. This combination of technology leaders will enable a host of new opportunities for businesses and society, <b>including autonomous vehicles, smart cities, virtual reality and a range of other smart industry use cases and services</b> .

# Microsoft Acquisitions - 2019



Company	Date	Description
Movere	10-21-2019	Movere accelerates cloud migrations. It increases business intelligence by accurately <b>presenting entire IT environments within a single day</b> , providing enterprises with the confidence they need to have <b>visibility and control of their environments regardless of platform, application or geography as organizations grow, change and digitally optimize</b> .
Semmle	09-18-2019	Semmle's revolutionary <b>semantic code analysis engine allows developers to write queries that identify code patterns in large codebases and search for vulnerabilities and their variants</b> . Semmle is <b>trusted by security teams at Uber, NASA, Microsoft, Google</b> , and has <b>helped find thousands of vulnerabilities in some of the largest codebases in the world</b> , as well as over 100 CVEs in open source projects to date.
JClarity	08-19-2019	The <b>leading contributor to the AdoptOpenJDK project</b> , to support their continued contributions to open source while <b>driving increased performance for Java workloads on Azure</b> . The team, formed by Java champions and data scientists with proven <b>expertise in data driven Java Virtual Machine (JVM) optimizations</b> , will help teams at Microsoft to leverage advancements in the Java platform.
PromotelQ	08-05-2019	The <b>leading provider of vendor marketing technology to online retailers and brands</b> . PromotelQ has pioneered the private marketplace approach to digital vendor marketing. PromotelQ's technology strategically complements Microsoft's current retail advertising offerings, and can enable retailers with a portfolio of technology solutions to modernize their e-commerce platforms and maximize their monetization opportunity. Retailers such as Kroger, Kohl's and Overstock.com — will continue to benefit from the PromotelQ platform and team.
BlueTalon	07-29-2019	A leading provider of <b>Unified Data Access Control solutions for modern data platforms</b> . BlueTalon works with leading Fortune 100 companies to eliminate data security blind spots and gain visibility and control of data. BlueTalon provides a customer-proven, data-centric solution for data access management and auditing across the diverse systems resident in modern data estates.
PullPanda^	06-17-2019	PullPanda^ <b>helps teams create more efficient and effective code review workflows on GitHub</b> . Better code reviews mean better code for software teams of all sizes, whether you work in open source or on a Fortune 500 team. PullPanda^ <b>gives teams a better way to manage reviews, reduce turnaround times, and ship code faster</b> .
Double Fine Productions	06-09-2019	Double Fine is <b>a beacon of creativity and spirit in game development for almost 20 years with classic games like Psychonauts, Brütal Legend and Broken Age</b> . At the root of every game is an emphasis on creating crazy worlds with originality, story and fun. That commitment to creating a unique, player-centric experience is what drew us to the studio, and I'm looking forward to seeing what we create together.
Drawbridge Solutions	05-28-2019	LinkedIn will integrate Drawbridge's technology into our marketing solutions portfolio to help our customers better reach and understand their professional audiences and measure the ROI of their campaigns.
Dependabot	05-23-2019	Dependabot is integrated directly into GitHub and will monitor your dependencies for known security vulnerabilities and automatically open pull requests to update them to the minimum required version. We are rolling out automated pull requests to all accounts with security alerts enabled along with other enhancements in the coming months.



## Microsoft Acquisitions – 2019 & late 2018

Company	Date	Description
Express Logic	04-18-2019	a leader in <b>real time operating systems (RTOS) for IoT and edge devices powered by microcontroller units (MCUs)</b> . Express Logic's ThreadX RTOS has over 6.2 billion deployments, making it one of the most deployed RTOS in the world per <a href="#">VDC Research</a> . This widespread popularity is driven by demand for technology to support resource constrained environments, especially those that require safety and security.
DataSense	02-04-2019	The <b>integration of DataSense into Microsoft's suite of products, we will help educational institutions – and school and district IT leaders in particular – better collect, manage and explicitly control access to their data</b> within Azure to help drive the best possible learning outcomes for their students. Read more at <a href="https://educationblog.microsoft.com/en-us/2019/02/introducing-datasense-to-microsoft-educations-family-of-products/#E6CKQEBUjS35TOH4.99">https://educationblog.microsoft.com/en-us/2019/02/introducing-datasense-to-microsoft-educations-family-of-products/#E6CKQEBUjS35TOH4.99</a>
Citus Data	01-24-2019	a leader in the PostgreSQL community. Citus is an <b>innovative open source extension to PostgreSQL that transforms PostgreSQL into a distributed database, dramatically increasing performance and scale for application developers</b> . Because Citus is an extension to open source PostgreSQL, it <b>gives enterprises the performance advantages of a horizontally scalable database while staying current with all the latest innovations in PostgreSQL</b> . Citus is available as a fully-managed database as a service, as enterprise software, and as a free open source download.
FSLogix	11-19-2018	FSLogix is a <b>next-generation app-provisioning platform that reduces the resources, time and labor required to support virtualization</b> . From small businesses to very large global enterprises across numerous industries, FSLogix solutions enhance customer experience and productivity, while reducing support requirements for IT departments.
XOXCO	11-14-2018	A <b>software product design and development studio known for its conversational AI and bot development capabilities</b> . The company has been paving the way in conversational AI since 2013 and was responsible for the creation of <a href="#">Howdy</a> , the first commercially available bot for Slack that <b>helps schedule meetings, and Botkit, which provides the development tools used by hundreds of thousands of developers on GitHub</b> . Over the years, we have partnered with XOXCO and have been inspired by this work.
Obsidian	11-10-2018	<b>The studio quickly made a name for itself with the Xbox exclusive Star Wars: Knights of the Old Republic II: The Sith Lords</b> . Over the last fifteen years, they have delivered genre-defining RPGs to players on both console and PC through titles including <i>Fallout: New Vegas</i> , <i>South Park: The Stick of Truth</i> , and <i>Pillars of Eternity</i> . Read more at <a href="https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99">https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99</a>
InXile	11-10-2018	<b>Like Obsidian, InXile excels at creating vast worlds for players to explore with titles such as Wasteland 2, Torment: Tides of Numenera, Bard's Tale IV and the upcoming Wasteland 3</b> . Read more at <a href="https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99">https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99</a>
Lobe	09-13-2018	Lobe makes deep learning simple, understandable and accessible to everyone. Lobe's <b>simple visual interface empowers anyone to develop and apply deep learning and AI models quickly, without writing code</b> .

# 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 Profession...
- 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... Shared

- 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...

## Microsoft Product Ninja Trainings

- Security 101 Training
- Become a Microsoft Sentinel Ninja: The complete...
- Become a Microsoft Defender for Cloud Ninja
- Microsoft-Defender-for-Cloud/Labs at main · Azu...
- Microsoft Defender External Attack Surface Mana...
- Become a Microsoft Defender for Endpoint Ninja
- Become a Microsoft 365 Defender Ninja
- 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
- Microsoft Purview Compliance Manager (MSPCM...
- 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)

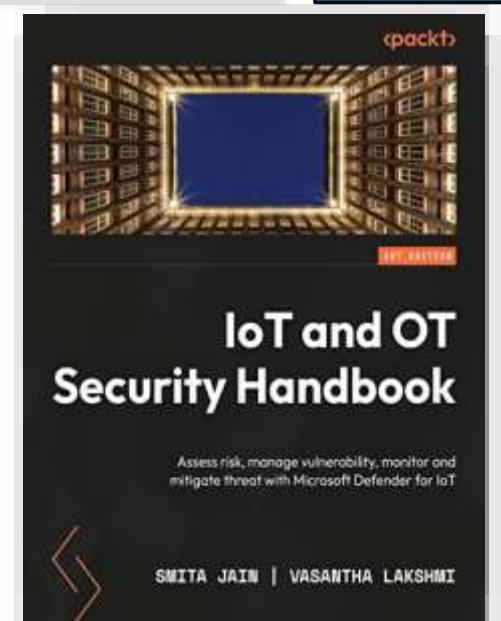
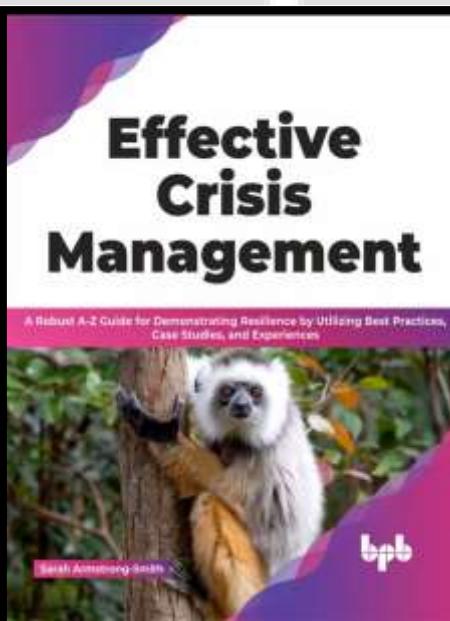
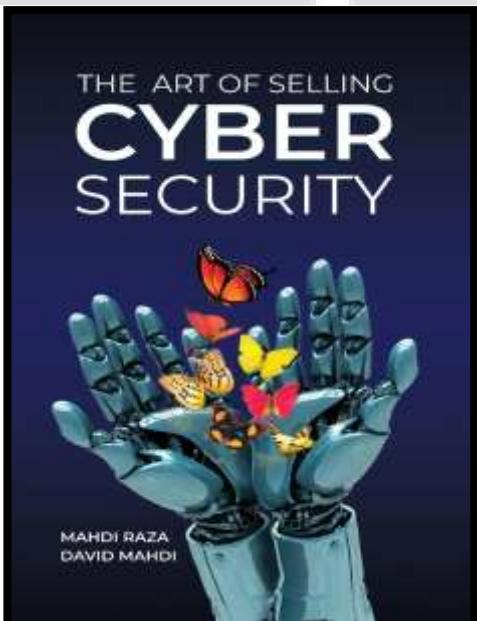
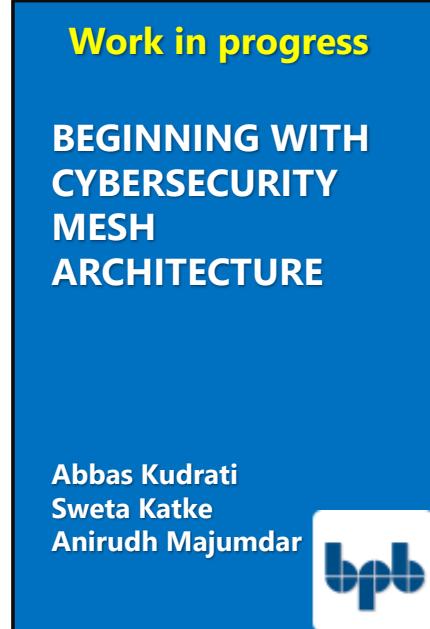
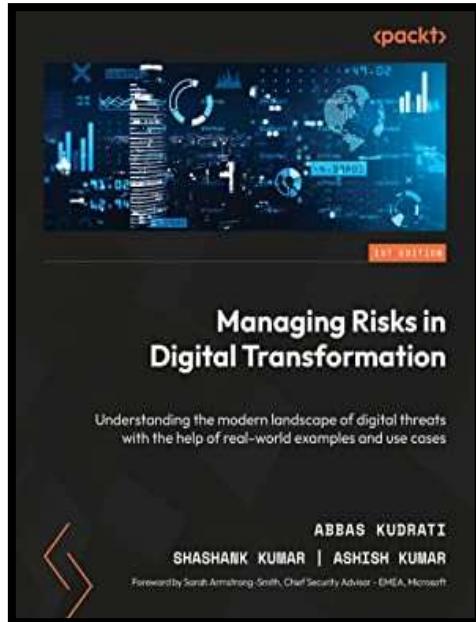
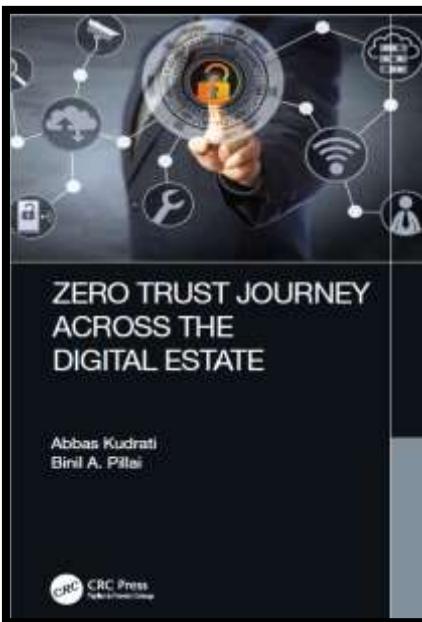
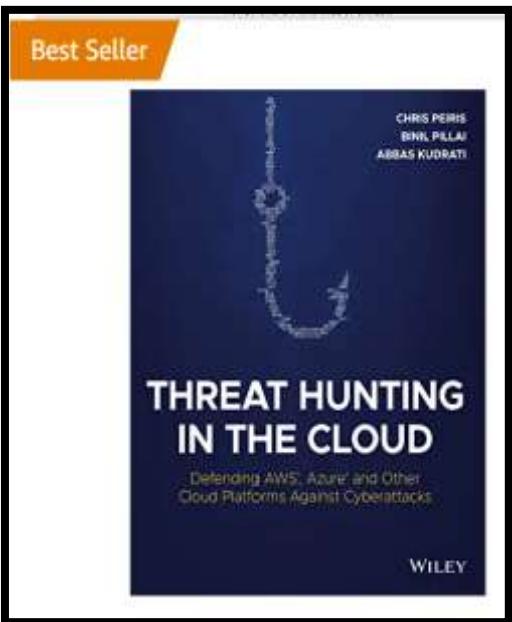
- Chromium: CVE-2023-6112 Use after free in Navigation
- Chromium: CVE-2023-5997 Use after free in Garbage ...
- CVE-2023-36008 Microsoft Edge (Chromium-based) ...
- CVE-2023-36026 Microsoft Edge (Chromium-based) ...
- CVE-2021-1730 Microsoft Exchange Server Spoofing ...

## MSRC & MSTIC (Live feed)

- Microsoft guidance regarding credentials leaked to G...

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