



# Monthly Technical Briefing

## APRIL 2023

A scenic view of the Golden Gate Bridge in San Francisco, California. The bridge's iconic red towers stand against a backdrop of rolling green hills and a dramatic sky filled with large, billowing clouds. The water of the San Francisco Bay is visible in the foreground.

**Abbas Kudrati**  
APAC Chief Cybersecurity Advisor  
[Abbas.Kudrati@microsoft.com](mailto:Abbas.Kudrati@microsoft.com)  
<https://aka.ms/abbas>

# My latest book is now released.

Available now on the [Amazon portal](#) in your country.

This is non-technical book, ideally for any CXO level and Board Members who would like to learn about various types of technical and non-technical business risk with real world examples and use cases.



## Managing Risks in Digital Transformation

Understanding the modern landscape of digital threats  
with the help of real-world examples and use cases



ABBAS KUDRATI  
SHASHANK KUMAR | ASHISH KUMAR

- [M365 Conference 2023](#)
- [Microsoft Build 2023](#)
- [Microsoft Power Platform Conference 2023](#)
- [Microsoft and OpenAI Announcements](#)
- [Microsoft Tech Community Blog depot](#)
- [Microsoft Official Blog](#)
- [TechCommunity Events](#)
- [Microsoft Technical Documentation Hub](#)



Announcements and Tips



New trends with Microsoft Technology

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

- [Microsoft Security Blog](#)
- [Microsoft Global Threat Monitor](#)
- [Microsoft Security Response Center](#)
- [Security, Compliance and Identity Blog](#)



Security and Compliance

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



Showcase of the month

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



Microsoft 365 update information



Product Lifecycles

Acquisitions and Announcements

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



# Microsoft Viva Summit

## Activate your workforce to accelerate business impact

Thursday, April 20, 2023 | 9:00 AM–10:30 AM Pacific Time (UTC-7)

The Microsoft Viva Summit will offer research findings, expert insights, panel discussions, a technology showcase, and a thriving community focused on empowering the workforce for accelerated business impacts.

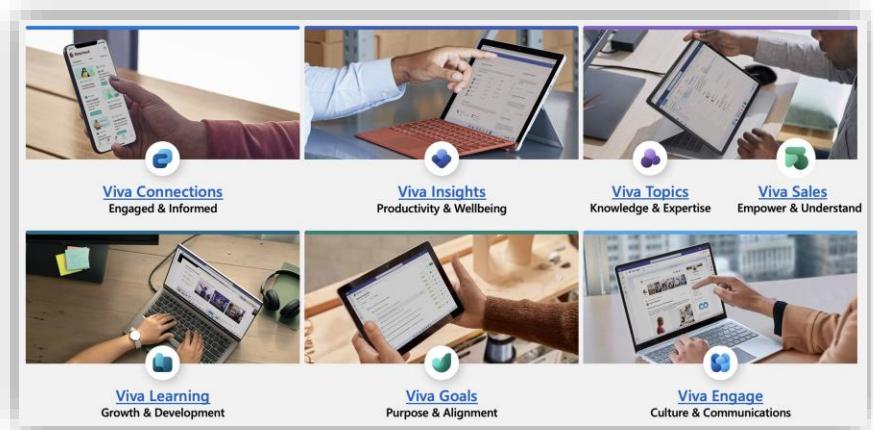
Register for this digital event to:

- Hear Microsoft leaders and industry experts share the latest research insights and speak about fundamental shifts in the workplace.
- Experience a technology showcase on Microsoft Viva innovations that can provide AI-powered insights and experiences to help empower and engage your workforce.
- Attend panel discussions to discover expert insights and gain inspiration from your peers.



**Featured speakers**

Kathleen Hogan Executive Vice President and Chief Human Resources Officer Microsoft	Jared Spataro Corporate Vice President Modern Work and Business Applications Microsoft	Eric Koenigsbauer Chief Operating Officer and Corporate Vice President Experiences + Devices Group Microsoft	Emily He Corporate Vice President Business Applications Marketing Microsoft
Josh Bernin Founder and Chief Executive Officer The Josh Bernin Company	Stacia Garr Co-founder and Principal Analyst RedThread Research	Diane Schwartz Chief Information Officer Johnson Controls	



# RSA Conference™ 2023 San Francisco

Moscone Center | Apr. 24 - 27, 2023

## Let's Join Forces at RSAC 2023

We couldn't be more excited about the [RSAC 2023 theme: Stronger Together](#).

In the cybersecurity industry, no one goes it alone. Instead, we build on each other's diverse knowledge to create the next breakthrough—exchanging ideas, sharing our success stories, and bravely examining our failures.

RSA Conference 2023. Stronger Together.

[REGISTER NOW](#)



## Agenda & Sessions

Join cybersecurity leaders and peers as we explore our critical role in ensuring a more secure future. Access expert-led sessions, Keynotes, in-depth Trainings, and more.

[EXPLORE NOW](#)



### Sessions

With over 500 traditional and interactive sessions covering a wide range of topics, you'll learn about the latest trends, threats, and solutions that you can apply right away in your job.

[LEARN MORE](#)



### Keynotes

Hear from an inspiring lineup as they share their wealth of knowledge regarding cybersecurity trends and best practices.

[LEARN MORE](#)



### Trainings\*

Expand your cybersecurity knowledge through these hands-on, interactive training sessions run by CSA, FAIR Institute, (ISC)2, and InfraGard National Members Alliance.

\*Available at an additional cost.

[LEARN MORE](#)

# Microsoft at RSA Conference™

April 24–27, 2023 | San Francisco



Will you be going to RSA SFO this year ?



Dear Customer,

As your trusted advisor, I'm asking you to save the date to join **me at RSA Conference 2023, April 24-27 in San Francisco**. With the power of Microsoft Cloud, Microsoft Security helps eliminate gaps and get simplified, comprehensive protection and expertise so you can be fearless as you grow, create, and innovate.

Register and attend the **Pre-day with Microsoft at RSA on Sunday, April 23, 2023, starting at 4:00PM**. <https://mspredayrsa.eventcore.com/> We'll be kicking off the conference with Microsoft engineering and business leaders sharing their vision, insights, and the latest innovations in Microsoft Security. Join us to learn from experts and discuss the solutions and strategies that help you protect what matters most.

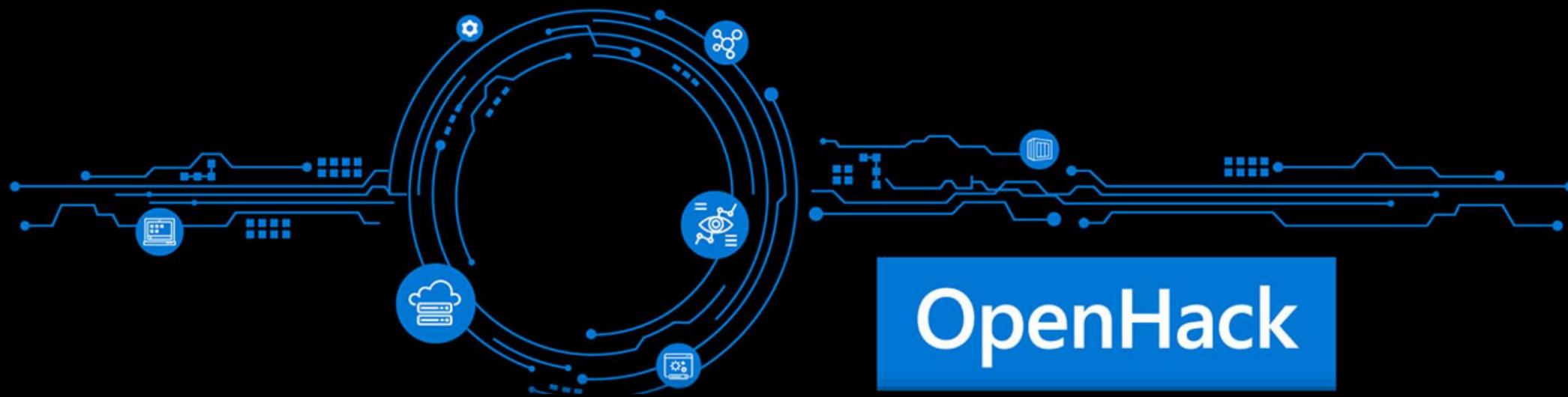
Connect with our team at RSA, where we will highlight innovative technology and solutions that deliver simplified, comprehensive protection to secure more with less. We will have an immersive booth experience located at **Moscone North Expo #6044N**, which will include product demos, booth tours, and sessions.

A formal invite with details on all Microsoft engagement activities will follow, but please use the **custom discount code to register** for the conference now: **54SMICROSXP**.

I hope you can join me!



 Microsoft



## What is OpenHack?

Microsoft OpenHack is a developer-focused engagement that connects development teams (Open) with experts to tackle a series of real-world challenges through hands-on experimentation in person and online.

OpenHack provides a unique and fun upskilling experience for Microsoft employees, customers and partners. Participants work together in teams to complete challenges that increase in complexity and are actively engaged, requiring deep collaboration, as they learn together.

Dates	Topic	Description	Delivery	Registration	Cloud Skills Challenge
Apr. 25-27, 2023	AI Powered Knowledge Mining	AI-Powered Knowledge Mining OpenHack enables developers to add intelligent search capabilities to their applications and services, leveraging artificial intelligence to extract meaningful results from data.	Virtual	<a href="#">Register</a>	<a href="#">Sign up</a>
May. 2-4, 2023	Security, Compliance, and Identity	Participants will establish and defend baseline security and compliance configurations for organizations using Microsoft cloud services. This will be done with Microsoft Security and Compliance tools and recommended security best-practices.	Virtual	<a href="#">Register</a>	<a href="#">Sign up</a>



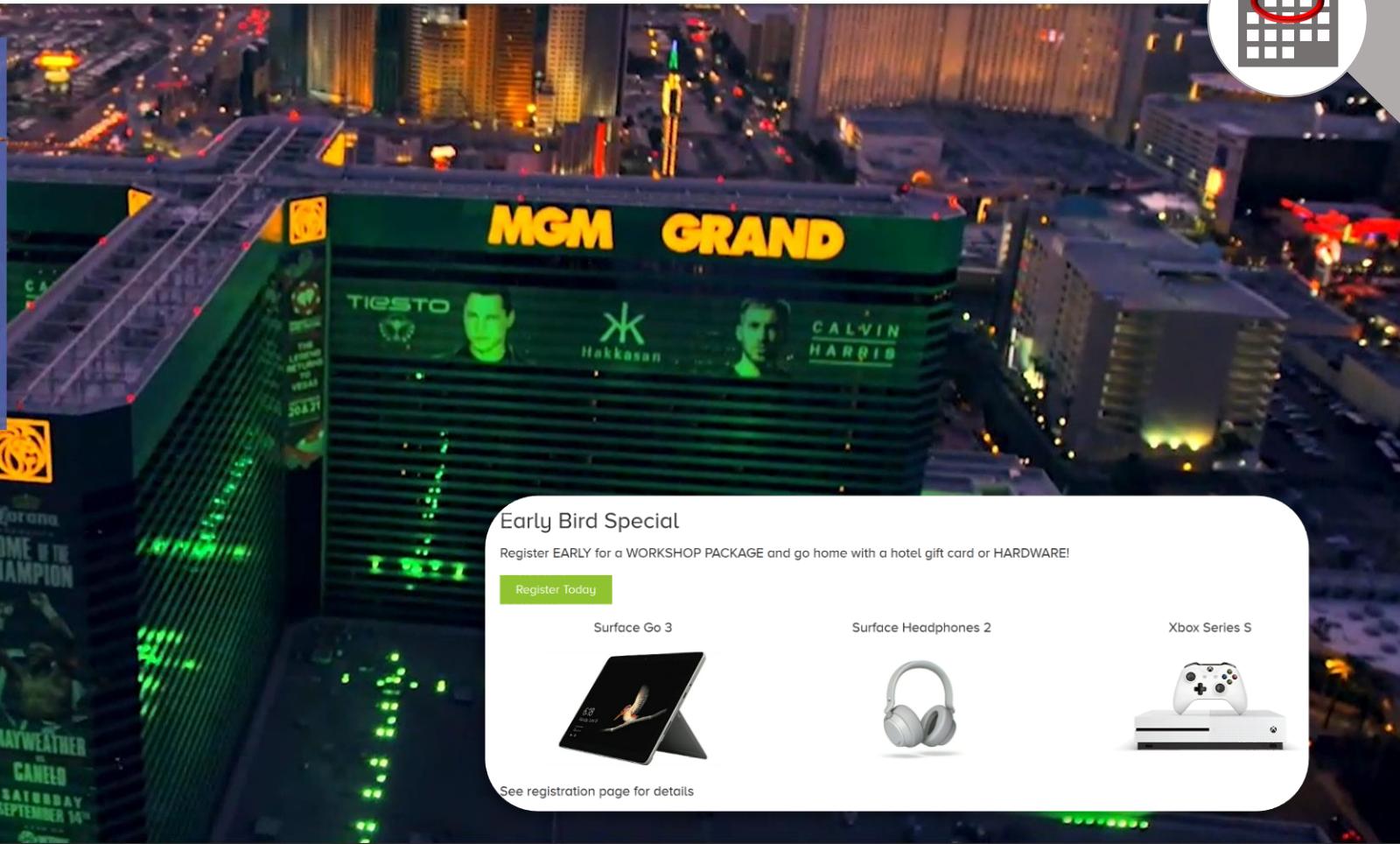
**Microsoft 365  
CONFERENCE** | Microsoft Viva  
Microsoft Teams  
Microsoft SharePoint  
Microsoft Power Platform

**2023**

**May**  
2 - 4

**📍 MGM Grand Las Vegas, NV**  
**Workshops**  
Apr. 30th, May 1st & 5th

**REGISTER** **BOOK HOTEL**



**MGM GRAND**

Tiesto, Calvin Harris, Hakkasan

**Early Bird Special**  
Register EARLY for a WORKSHOP PACKAGE and go home with a hotel gift card or HARDWARE!

**Register Today**

Surface Go 3, Surface Headphones 2, Xbox Series S

See registration page for details

OneDrive

Microsoft Stream

Power Apps

Power Automate

Power BI

Microsoft 3

SPEAKERS

**150**

SESSIONS

**150**

WORKSHOPS

**18**

EXHIBITORS

**50**



# Microsoft Build

**Global digital event**  
May 23–24, 2023 PDT

**Seattle in-person**  
Pre-Day workshops: May 22, 2023 PDT  
Event dates: May 23–25, 2023 PDT

[Register now](#)



**For developers, by developers**

Join Satya Nadella, Chairman and Chief Executive Officer, along with Microsoft, partner, and industry experts for an all-new Microsoft Build experience and get ready to dream big.



## Seattle in-person

Pre-Day workshops: May 22, 2023 PDT  
Event dates: May 23–25, 2023 PDT

Be in the room for live keynotes and advanced sessions and demos covering the latest technologies and developer tools. Take advantage of exclusive connection opportunities that make it easy to find and meet with experts and peers. Add a Pre-Day to maximize your experience.

[Get details >](#)



## Global digital event

May 23–24, 2023 PDT

Access the catalog of expert-led sessions during the event at no cost when you register to attend digitally. Watch the live broadcast of keynotes and interactive sessions as they are presented and engage with speakers and peers in real time.

[Learn more >](#)

OCTOBER 3RD-5TH, 2023

# Microsoft Power Platform Conference

Oct 3-5, 2023 in Las Vegas, Nevada at the MGM Grand Conference Center.

Register Today!



# emPOWER everyone

October 3 - 5

Workshops 1, 2 and 6 **2023**

Las Vegas • Nevada • #MPPC23

Power BI

Power Apps

Power Automate

Power Virtual Agents

Power Pages



## Microsoft Power Platform Conference

Produced by Power Platform Conf | Sponsored by Microsoft

We are excited to announce the second annual **Microsoft Power Platform Conference 2023**! This event is sponsored by Microsoft and will be held in-person on October 3-5 in Las Vegas, Nevada.

Come and get inspired by Microsoft's senior thought leaders, software engineers, and community experts who are focused on uniting humanity and technology. You'll also have the chance to hear from users that solve real business problems daily. Our fantastic speakers are ready to share their insights on how to accelerate and transform your business with Power Platform.

This one-of-a-kind event is **dedicated** to Microsoft Power Platform products including Power Apps, Power Automate, Power BI, Power Pages, and Power Virtual Agents.

You'll have insider access to all the information, opportunities, and connections you need to further your Power Platform journey.

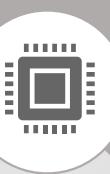
- **Understand how your peers** are using the Power Platform and putting them to work
- **Get new ideas** on how you can utilize the tools in more useful ways
- **Meet new #PowerAddicts** just like you!
- **Learn about** all the tools in the platform
- **Give your organization the edge it needs** to provide a more productive and exciting work environment
- **Ask product experts** your questions during the live Q&A

# Updates of Security and Compliance



# Monitoring Global Threats: Microsoft

Microsoft Security Response Center



## Global threat activity

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

Select a region ▾

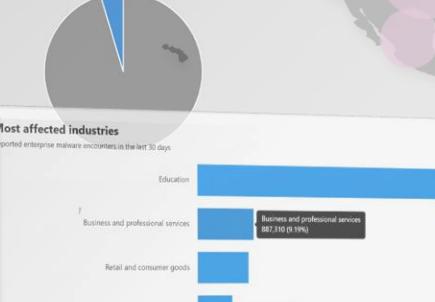
### Most affected industries

Reported enterprise malware encounters in the last 30 days

#### Healthcare and pharmaceuticals

Show all industries >

Devices with encounters:  
397,599 (4.62%)



March 17, 2023 • 6 min read

#### KillNet and affiliate hacktivist groups targeting healthcare with DDoS attacks

KillNet, a group that the US Department of Health and Human Services (DHHS) has called pro-Russia hacktivists, has been launching waves of attacks targeting governments and companies with focus on the healthcare sector. In this blog post, we provide an overview of the DDoS attack landscape against healthcare applications hosted in Azure over three months.

April 11, 2023 • 8 min read

#### Guidance for investigating attacks using CVE-2022-21894: The BlackLotus campaign

This guide provides steps that organizations can take to assess whether users have been targeted or compromised by threat actors exploiting CVE-2022-21894 via a Unified Extensible Firmware Interface (UEFI) bootkit called BlackLotus.

Healthcare and pharmaceuticals ▾

#### Top threats:

Exploit:Linux/Edir.A  
PUA:Win32/Adsunwan  
Spammer:PDF/Anomail!MTB  
Trojan:Win32/Tenga!MSR  
Trojan:Win32/Ymacco.ABED

April 7, 2023 • 15 min read

#### MERCURY and DEV-1084: Destructive attack on hybrid environment

Microsoft detected a unique operation where threat actors carried out destructive actions in both on-premises and cloud environments.

March 24, 2023 • 17 min read

#### Guidance for investigating attacks using CVE-2023-23397

This guide provides steps organizations can take to assess whether users have been targeted or compromised by threat actors exploiting CVE-2023-23397.

Healthcare and pharmaceuticals ▾

Healthcare and pharmaceuticals ▾

April 13, 2023 • 4 min read

#### Threat actors strive to cause Tax Day headaches

With U.S. Tax Day approaching, Microsoft has observed phishing attacks targeting accounting and tax return preparation firms to deliver the Remcos RAT and compromise target networks.

April 6, 2023 • 10 min read

#### DevOps threat matrix

In this blog, we discuss threats we face in our DevOps environment, introducing our new threat matrix for DevOps. Using this matrix, we show the different techniques an adversary might use to attack an organization from the initial access phase and forward.

## Worldwide

82,400,474 devices with encounters

#### Top threats:

HackTool:Win32/AutoKMS  
Trojan:Win32/Waccac.H!ml  
AutoKMS  
Keygen  
Waccac.H!ml

April 11, 2023 • 14 min read

#### DEV-0196: QuaDream's "KingsPawn" malware used to target civil society in Europe, North America, the Middle East, and Southeast Asia

Microsoft analyzes a threat group tracked as DEV-0196, the actor's iOS malware "KingsPawn", and their link to an Israel-based private sector offensive actor (PSOA) known as QuaDream, which reportedly sells a suite of exploits, malware, and infrastructure called REIGN, that's designed to exfiltrate data from mobile devices.

# Microsoft Security Blog

April 4, 2023 • 7 min read

## Discover a new era of security with Microsoft at RSAC 2023

Microsoft Security will be at the 2023 RSA Conference and we'd love to connect with you there. In this blog post, we share all the ways you can—plus, attend the Pre-Day with Microsoft and watch the Microsoft Security Copilot demo.

[Read more >](#)

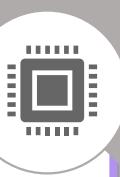
March 22, 2023 • 7 min read

### The next wave of multicloud security with Microsoft Defender for Cloud, a Cloud-Native Application Protection Platform (CNAPP)

Organizations are turning to cloud native application protection platforms (CNAPPs) to overcome the challenges of securing the entire cloud lifecycle. Here are the major advantages Microsoft Defender for Cloud offers as a CNAPP.



## Microsoft Security Response Center



March 28, 2023 • 9 min read

### Microsoft Secure: Explore innovations transforming the future of security

Microsoft Secure kicks off today with on-demand content available to those who register. We'll share major innovations in AI, identity, and data protection to create a safer world for all.

March 20, 2023 • 7 min read

### Leverage cloud-powered security with Microsoft Defender for IoT

Learn how the new Microsoft Defender for IoT delivers integrated, comprehensive security for your IoT and OT environment. Powered by Microsoft cloud technology, Defender for IoT manages assets, emerging threats, and risks across connected or air-gapped environments—from enterprise networks to mission-critical networks.

March 27, 2023 • 5 min read

### Microsoft Incident Response Retainer is generally available

Microsoft Security is expanding its incident response presence and we're excited to announce the Microsoft Incident Response Retainer is now generally available.

The screenshot shows the Microsoft Sentinel Automation blade. It includes a search bar, a 'Create' button, and a refresh button. A sidebar on the left lists 'General', 'Overview', 'Logs', 'News & guides', 'Search', and 'Threat management'. The main area displays a list of automation rules, with one rule highlighted: 'Playbook with incident trigger' (status: Enabled). Other items in the list include 'Playbook with alert trigger', 'Playbook with entity trigger', 'Blank playbook', and a 'playbooks' section.

March 30, 2023 • 7 min read

### Latest Microsoft Entra advancements strengthen identity security

Good permissions governance and protecting against identity compromise are essential strategies for keeping your people and resources safe. Learn how the new features in Microsoft Entra can support your identity strategy.

### Introduction to OpenAI and Microsoft Sentinel

danielbates on Mar 08 2023 06:00 AM

Everyone is talking about OpenAI's Large Language Models (LLMs) such as ChatGPT. How can we use the power of AI to help ...

## Microsoft Security Copilot: Empowering defenders with AI

March 20, 2023 • 5 min read

### Microsoft achieves first native Cloud Data Management Capabilities certification

Today marks a significant industry milestone accelerating cloud adoption by ensuring sensitive data is secure and enabling organizations to focus on deriving value from data. As the first cloud provider to be CDMC certified, Microsoft demonstrates a commitment to trust.

A woman with long blonde hair in a braid, wearing a white ribbed sweater, sits on a dark blue couch. She is looking down at a tablet device she is holding in her hands, with a stylus pen in her right hand. In the background, there are large windows showing a bright, possibly sunny day outside.

# Microsoft 365 update information

# What's New in Microsoft 365

M365 Blog and Microsoft-365 Product Blog :: Covering Office 365, Enterprise Mobility + Security and Windows ::

- ❖ [Microsoft 365 Co-Pilot](#) :: A whole new way to work!
- ❖ [Copilot and Microsoft 365 administration certifications](#)
- ❖ [Cloud Policy service](#) now provides support for Microsoft 365 Groups.
- ❖ [Microsoft Places](#) : Connected workplace platform for Hybrid and in-person work
- ❖ [Create inclusive content](#) with the [new Accessibility Assistant](#)
- ❖ [OneNote](#): Your Digital Notebook, [Reimagined with Copilot](#)
- ❖ [Microsoft Loop](#) :: Public Preview
- ❖ [Windows 365 Cloud PCs](#): now [secured with encryption at host](#)
- ❖ [Administration](#) of Microsoft 365 in the new era of AI

7 min read

**Introducing Microsoft 365 Copilot—A whole new way to work >**

Today, we announced Microsoft 365 Copilot—your copilot for work. Copilot combines the power of large language models with your data in the Microsoft 365 apps and Microsoft Graph to turn your words into the most powerful productivity tool on the planet. And it does so within our existing commitments to data security and privacy in the enterprise.

6 min read

**New Microsoft Loop app is built for modern co-creation >**

Today is the start of the Microsoft Loop app journey and we're thrilled to announce the Loop app is available in public preview!

**Welcome to the new era of Microsoft Teams >**

Today, we embark on the next chapter of the Microsoft Teams story with the public preview of the new Microsoft Teams app for Windows.

What's new in your favorite Microsoft 365 app

Access Excel OneNote Outlook PowerPoint Project Visio Word  
Teams OneDrive

# 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.

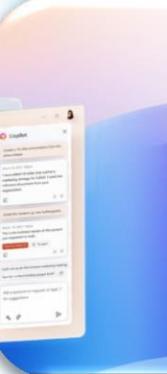
Using this roadmap

Roadmap improvements

> Microsoft Graph: SharePoint Pages API	Preview Available: January 2023 Rollout Start: May 2023
> Outlook for Windows: Signature cloud settings	Preview Available: October 2022 Rollout Start: April 2023
> Microsoft Purview compliance portal: Information Protection -   Application of a "default label" to an unlabeled file uploaded to a SharePoint Online document library	Preview Available: July 2022 Rollout Start: April 2023
> Outlook:[Android] Ability to add an email as an attachment to another email while composing	Rollout Start: April 2023
> Microsoft Intune: Update Readiness Reports	Preview Available: May 2022 Rollout Start: April 2023
> Microsoft Purview compliance portal: eDiscovery (Premium) - Collections options settings enhancements	Preview Available: February 2023 Rollout Start: April 2023
> Microsoft Defender for Office 365: Upcoming Changes to Intra-Org Messages	Rollout Start: April 2023
> Microsoft Viva: Topics in Viva Engage	Preview Available: December 2022 Rollout Start: March 2023
> Microsoft Teams: Support apps in Channel Meetings	Rollout Start: March 2023
> Microsoft Search: Attachment search	Rollout Start: March 2023
> Microsoft Teams: License Management in Microsoft Teams and Microsoft Teams Admin Center for SaaS offers built by Independent Software Vendors (ISVs)	Rollout Start: March 2023
> Microsoft Teams: Pronouns available on the profile card	Preview Available: February 2023 Rollout Start: March 2023
> Microsoft Teams: Video Filters in Microsoft Teams Meetings	Preview Available: January 2023 Rollout Start: March 2023
> Microsoft Graph: Microsoft Purview   Data Lifecycle Management - Microsoft Graph APIs to manage retention labels and event-based retention	Preview Available: July 2022 Rollout Start: March 2023
> Microsoft 365 app: New sensitivity bar in Microsoft 365 apps on Windows for viewing and applying sensitivity labels powered by Microsoft Purview	Preview Available: September 2022 Rollout Start: March 2023
> Microsoft Teams: Automatic lowering of a user's Raised Hand after speaking	Preview Available: February 2023 Rollout Start: March 2023
> Microsoft Teams: Ultrasound Howling Detection	Preview Available: February 2023 Rollout Start: March 2023
> Microsoft Search: Microsoft Graph connector results in the 'All' vertical	Rollout Start: March 2023
> Microsoft Defender for Office 365: Security Threat Submission API	Preview Available: June 2022 Rollout Start: March 2023
> Microsoft Viva: Viva Connections Customer Facing Analytics	Rollout Start: March 2023



# Microsoft Copilot : AI for every line of business



[News](#) [Microsoft 365](#) [Enterprise](#) · 7 min read

## Introducing Microsoft 365 Copilot—A whole new way to work

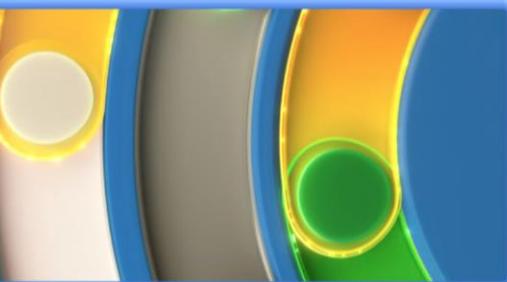
By [Colette Stallbaumer](#), General Manager, Microsoft 365 and Future of Work

### Announcing Copilot in Viva Engage

[Jason Mayans](#) on Mar 20 2023 09:00 AM

Copilot in Viva Engage will help inspire and aid leaders to connect with their employees more effectively through assist...

## Microsoft Security Copilot: Empowering defenders with AI



Introducing Microsoft Dynamics 365 Copilot, the world's first copilot in both CRM and ERP that brings next-generation AI to every line of business

Mar 6, 2023 | Charles Lamanna, CVP, Business Applications and Platform

### Microsoft 365 Copilot in OneNote

## Power Platform is leading a new era of AI-generated low-code app development

March 16, 2023 • 3 min read

Share ▾

[News](#) [Microsoft Teams](#) [Enterprise](#) · 10 min read

## Microsoft Teams Premium: Cut costs and add AI-powered productivity

By [Nicole Herskowitz](#), Vice President, Microsoft Teams

# Microsoft AI



## Boost creativity and work more productively

Spend less time on busy work and more time creating, collaborating, and innovating with next-gen AI embedded in the Microsoft 365 apps you use every day.

- Jumpstart the creative process—Copilot in Word writes, edits, summarizes, gives suggestions, and creates right alongside you.
- Turn existing Word documents into presentations, start a new presentation from a simple prompt or outline, or find the best place for impactful imagery with Copilot in PowerPoint.
- Get help drafting emails, summarizing threads, and catching up on important conversations with Copilot in Outlook.

## Make meetings more personalized and intelligent

Make the meetings you attend—and miss—more productive with intelligent features from Microsoft Teams Premium. It's like having a virtual assistant attend every meeting:

- Get caught up quickly with personalized recording highlights and automatically generated meeting chapters.
- Help reduce language barriers with live translated captions.
- Stay informed with follow-up plans with intelligent meeting recaps, coming soon.

## Uncover and respond to threats faster

Catch subtle threats across your security stack early and get intelligent insights informed by 65 trillion daily signals.

- Identify an ongoing attack, assess its scale, and get instructions to begin remediation.
- Evaluate if your organization is vulnerable to known exploits and learn how to fix the exploits before they become problems.
- Summarize any event, incident, or threat in minutes in a customizable, ready-to-share report.

## Get answers to your most challenging data questions

Get help making the right decisions and taking the right actions by using AI to illuminate hidden patterns, opportunities, and anomalies in your data—without needing to create your own custom AI models. With the AI capabilities built into Power BI, even non-technical employees can easily:

- Detect fluctuations and other data anomalies.
- Spot trends that may have been missed otherwise.
- Get visual answers to their toughest data questions using natural language.

## Code in dozens of languages using natural prompts

Write better code, faster with GitHub Copilot—the world's first at-scale AI developer tool. GitHub Copilot draws context from a developer's code to suggest new lines, entire functions, tests, and even complex algorithms—in real-time, right in the editor.

- Turn natural language prompts into code suggestions.
- Quickly discover alternative ways to solve problems and write tests.
- Code confidently—even in unfamiliar territory.

## Spend more time selling, less time seeking data

Free up sellers to spend more time on what matters most: making meaningful human connections. With the AI-powered capabilities in Microsoft Viva Sales, your team can drastically reduce the time it takes to communicate with prospective customers.

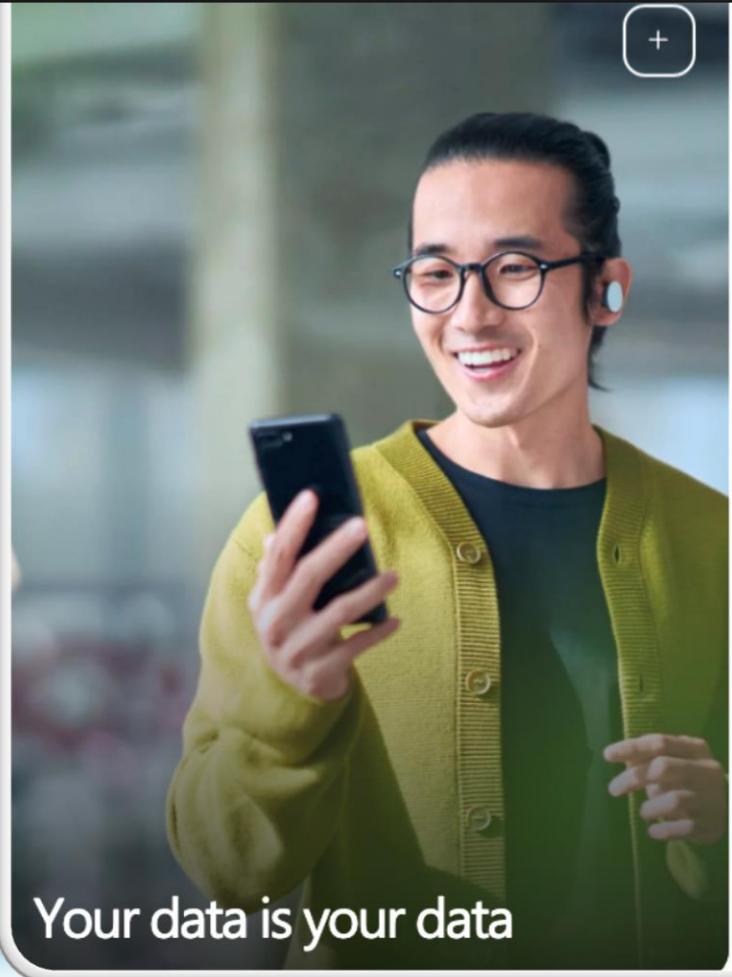
- Take advantage of AI-generated notes and action items from meeting summaries.
- Spend less time searching for sales and customer data from colleague and databases.
- Reply to inquiries and create proposals faster with AI-generated email that include data relevant to the recipient, such as pricing, promotions, and deadlines.

# Microsoft Cloud runs on Trust

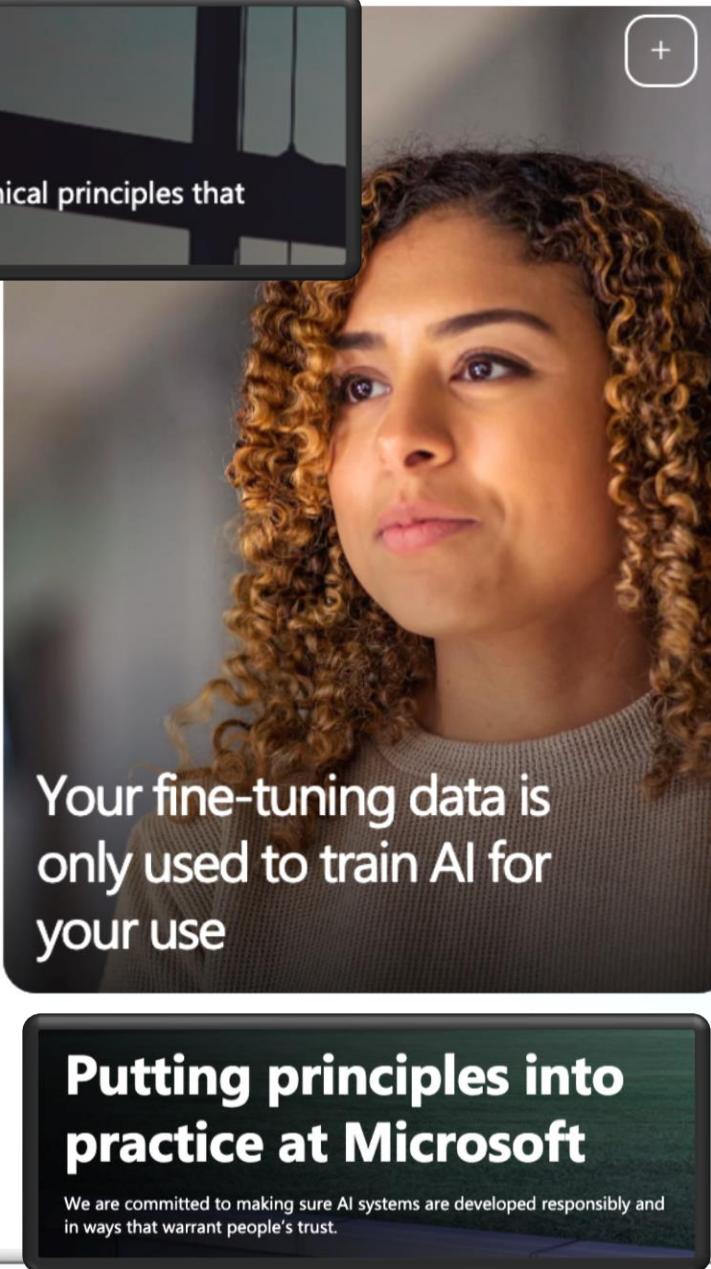


## Responsible AI

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



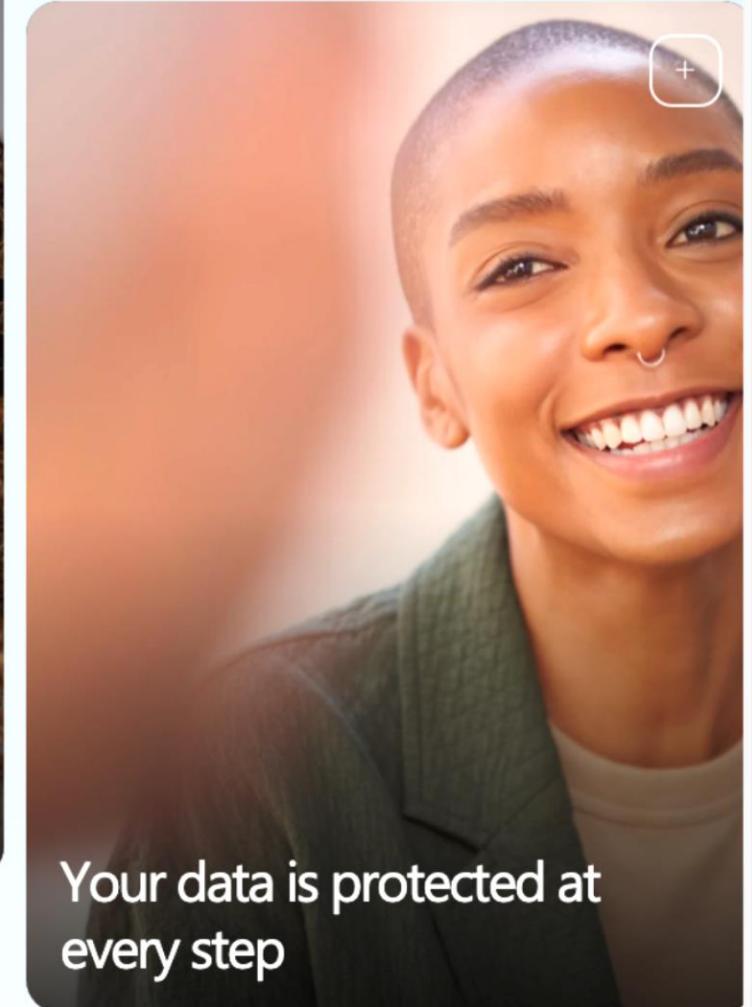
Your data is your data



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

**Putting principles into practice at Microsoft**

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



Your data is protected at every step

# Microsoft Teams Blog:



What's New in Microsoft Teams | Enterprise Connect 2023

## What's New in Microsoft Teams at Enterprise Connect 2023

Steve\_Stein on Mar 27 2023 08:00 AM

Welcome to the March 2023 edition of What's New in Teams! This month we are combining the Teams announcements at the Ent...

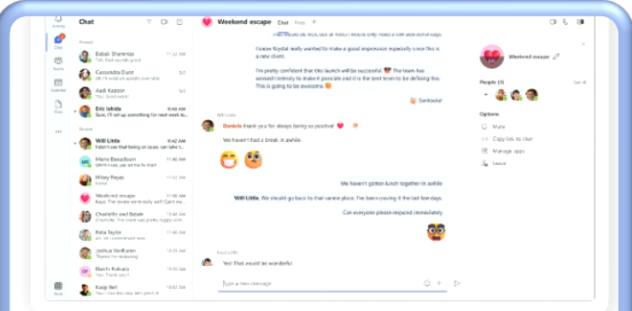
## New for This Month:

### Enterprise Connect Announcements

- [New Teams Desktop App](#)
- [Multi-Tenant Multi-Account in the New Teams](#)
- [Speaker Coach in Microsoft Teams Meetings](#)
- [Avatars for Microsoft Teams](#)

### Monthly Updates

- [Video filters in Teams Meetings](#)
- [Video Closed Captions in PowerPoint Live](#)
- [Whiteboard Innovations](#)
- [Automatic lowering of a user's Raised Hand after speaking](#)
- [Meetings toolbar improvements](#)



## Introducing the new Microsoft Teams, now in preview

Anupam\_Pattnaik on Mar 27 2023 08:00 AM

As we announced in this blog post, today we're starting to roll out the preview version of the new Teams desktop app for...

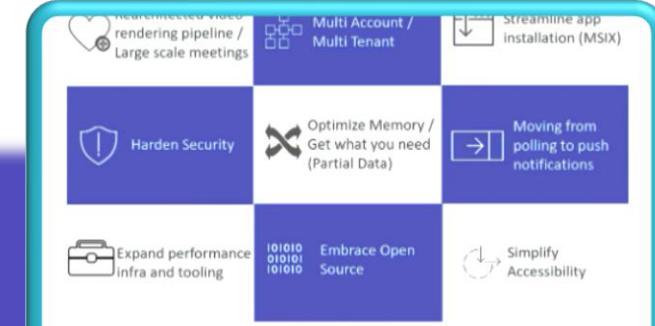
## Rooms and Devices:

### Enterprise Connect Announcements

- [Dynamic emergency calling enhancements](#)
- [Busy-on-Busy settings](#)
- [Click-to-Call for connected customers](#)
- [Hotline Phones : Private Line Automatic Ringdown](#)
- [User managed call queue and auto attendant greetings](#)

### Monthly Updates

- [Support PSTN dial-in, dial-out, and call-me attendees in meetings to join Breakout Rooms for DoD and GCC High](#)
- [Ultrasound Howling Detection](#)
- [What's new in Teams Rooms and Devices at Enterprise Connect blog article.](#)
- [Poly Voyager Free 60 UC](#)
- [Jabra Evolve2 Headset \(50, 55, 65 Flex models\)](#)



## Microsoft Teams: Advantages of the new architecture

Sumi\_Singh on Mar 27 2023 08:00 AM

Microsoft Teams has made a significant investment in the re-architecture of its desktop client, with a focus on providin...

## Chat and Collaboration:

- [New Channel Experience :: Public Preview](#)
- [Disable chat write access for anonymous or unauthenticated users](#)
- [Live Transcript in all available languages in Teams Meetings on Web](#)
- [Leave a meeting on all my devices](#)
- [Expanded view for Profile Card](#)
- [LinkedIn profiles of external people](#)

## Management:

- [Teams Admin Center: Simplified navigation](#)
- [View users and groups assigned to a policy](#)
- [Export Teams list from Teams Admin Center](#)
- [Teams with Dynamics 365 Customer Service](#)

## Teams Premium Updates:

- [Timeline markers in Teams meeting recording for when your name was mentioned](#)
- [Discover information that matters to you most with Intelligent recap in M365 Feed](#)



# Multi-Tenant Multi-Account: Collaboration across complex organizations



## Add another Teams account

With Multi-Tenant Multi-Account (MTMA) support in the new Teams, you can sign into multiple work or school accounts (or as a Guest in other organizations) without signing in on multiple web browsers.

When you add accounts to your Teams desktop app, you can:

- Receive real-time notifications from all the accounts (and all associated organizations);
- Participate in chats, meetings, and calls across multiple accounts and organizations without dropping from a call or meeting to switch accounts/orgs, and
- Set your status for each account and organization individually.

To add another account, select your profile picture at the top right of the new Teams, then select **Add another work account**.

A screenshot of the Microsoft Teams desktop application demonstrating the Multi-Tenant Multi-Account feature. The interface shows two separate windows side-by-side. The left window is titled 'New Teams' and the right window is titled 'Contoso'. Both windows show a 'Chat' tab with various messages and participants. In the top right corner of each window, there is a user profile icon. Below the profile icons, there are lists of accounts and organizations. For example, in the 'New Teams' window, it lists 'daniela@contoso.com - Starbucks', 'daniela@fabrikam.com - Fabri...', and 'daniela@gmail.com - Gmail'. In the 'Contoso' window, it lists 'Daniela Mander... daniela@contoso.com - View account', 'Starbucks', 'McDonald's', and 'daniela@fabrikam.com - Add another account'. This visualizes how users can manage multiple accounts simultaneously within a single application.

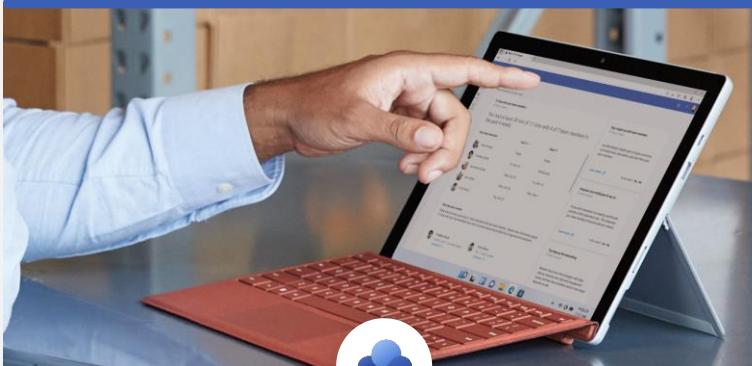
# Microsoft Viva: & Viva Blog:

# The employee experience platform for the new world of work



## Viva Connections

Engaged & Informed



## Viva Insights

Productivity & Wellbeing



## Viva Topics

Knowledge & Expertise



## Viva Sales

Empower & Understand



## Viva Learning

Growth & Development



## Viva Goals

Purpose & Alignment



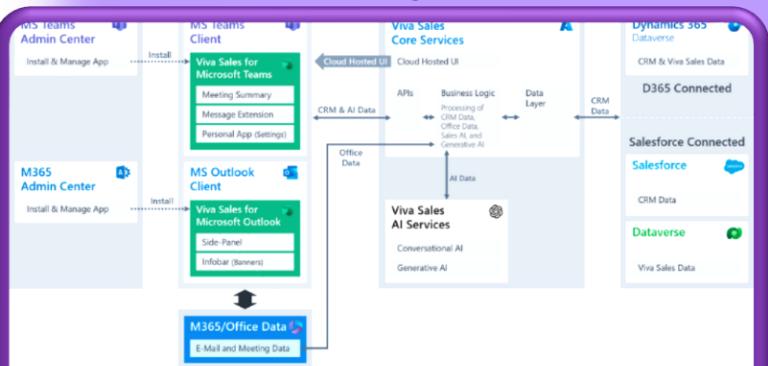
## Viva Engage

Culture & Communications



# Microsoft Viva: & Viva Blog:

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



### Microsoft Viva Sales 101: Top 10 questions from customers...

[RezaAssadi](#) on Apr 06 2023 10:47 AM

Today, we are sharing a list of the top Viva Sales questions we hear from our customers on product architecture, along w...

### Microsoft Viva Topics

### Microsoft Viva Insights

### Microsoft Viva Connections

### Microsoft Viva Learning

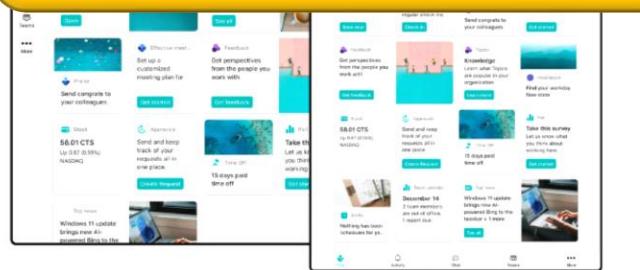
The screenshot shows a digital event summary for the Microsoft Viva Summit. It includes:

- Share thoughts, ideas or updates** section.
- Upcoming events** section listing "AMA about pet policy" and "Employee Town Hall".
- Audience summary** showing 11,790 attendees, 158 mins average session time, and 61% average engagement rate.

### Announcing Copilot in Viva Engage

[Jason Mayans](#) on Mar 20 2023 09:00 AM

Copilot in Viva Engage will help inspire and aid leaders to connect with their employees more effectively through assist...



### Viva Connections is now available on tablet devices

[scottesmith](#) on Mar 28 2023 06:00 AM

Drive employee engagement across all devices.

### Microsoft Viva Summit

Digital event / April 20, 2023



### Microsoft Viva Goals



### Microsoft Viva Engage



### Microsoft Viva Sales

### Everything you need to know about the Microsoft Viva Summit

[Seth Patton](#) on Apr 06 2023 03:37 PM

Join us on April 20, 2023 at 9:00 AM-10:30 AM Pacific Time for the Microsoft Viva Summit digital event.



### What's New in Viva Sales – March 2023

[davidshin](#) on Mar 22 2023 07:11 AM

This month, we're excited to share the next generation of AI product updates in Viva Sales, empowering sellers to achiev...

# Microsoft Power Platform



## 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



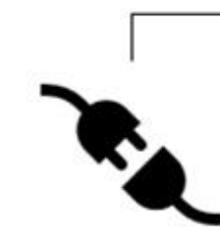
**Power Automate**  
Process automation



**Power Virtual Agents**  
Intelligent virtual agents



**Power Pages**  
External-facing websites



**Data connectors**



**AI Builder**



**Dataverse**

# Power Platform and Dynamics



## Release wave 1: Transforming customer experiences with generative AI and Dynamics 365 >

April 11, 2023 • 6 min read

By [Lori Lamkin](#), Corporate Vice President,  
Dynamics 365 Customer Experience Platform

Generative AI has left its mark on computing, and it's only the beginning. The world of business applications will never be the same.

[Read more](#)

0 Comments



## 2023 wave 1 releases AI, automation, and analytics in Microsoft Dynamics 365 Finance and Project Operations >

April 6, 2023 • 7 min read

By [Gurkan Salk](#), General Manager, Dynamics 365  
Project Operations

With the 2023 release wave 1, we are delivering enhancements across Dynamics 365 Finance, Dynamics 365 Project Operations, and Dynamics 365 Human Resources that focus on helping our customers adapt faster, work smarter, perform better, and operate more sustainably. [Read more](#)

## Copilot in Viva Sales available as thousands of customers adopt next-generation AI in Dynamics 365 Copilot and Power Platform >

March 16, 2023 • 4 min read

By [Lori Lamkin](#), Corporate Vice President, Dynamics 365 Customer Experience Platform

Since first announcing new AI-powered experiences for Microsoft Viva Sales last month, we've given these capabilities a name—Copilot in Viva Sales—and introduced new sales scenarios and updates. We want to ensure that salespeople feel empowered to focus on what matters, which is deeper engagements with customers. [Read more](#)

- ❖ [Power BI Blog](#)
- ❖ [PowerApps Blog](#)
- ❖ [Power Automate Blog](#)
- ❖ [Power Virtual Agents Blog](#)

- [Copilot in Power Virtual Agents: Next-generation AI assists bot building with natural language](#)
- [AI Builder and Copilot in Power Automate](#)
- [Azure OpenAI Models in Power Automate](#)
- [Next-generation AI Copilot in Power Apps: Transforming and exponentially speeding low-code development](#)
- [PG&E saves over 38 million dollars with Power Platform solutions and a Center of Excellence](#)
- [What's new in Power Apps – Feature Updates](#)
- [Enhanced Security for implicitly shared connections](#)
- [Power BI : April 2023 Feature Summary](#)
- [Tabular Model Definition Language \(TMDL\) :: Public Preview](#)
- [composite models on Power BI Datasets and Analysis Services models](#)
- [The Scanner API now includes even more metadata, such as scheduled refresh settings, RDL, RLS configuration, and more](#)

Send an email to responder when response submitted in Microsoft Forms

By Microsoft Power Automate Community

Automated 309592

Create a task in Planner from Microsoft Forms and post message in Teams

By Microsoft Power Automate Community

Automated 123016

Save Outlook.com email attachments to your OneDrive

By Microsoft Power Automate Community

Automated 196821

Start an approval when a file is added to Sharepoint

By Microsoft

Automated 100040

# Developer and GitHub

## GitHub Blog and Changelog

- [Automatic rebases on Dependabot pull requests stop after 30 days of inactivity](#)
- [Dependabot now supports fetching release notes and changelogs for Docker images](#)
- [Building GitHub with Ruby and Rails](#)
- [API requests are available via audit log streaming :: Public Beta](#)



## Microsoft Developer Blogs:

- [OpenAI API endpoints](#)
- [Semantic Kernel Tools for Visual Studio Code](#)
- [GitHub Copilot chat for Visual Studio 2022](#)
- [Get started with OpenAI in .NET](#)
- [How Async/Await Really Works in C#](#)

### How generative AI is changing the way developers work

Rapid advancements in generative AI coding tools like GitHub Copilot are accelerating the next wave of software development. Here's what you need to know.

Damian Brady April 14, 2023

### Generative AI-enabled compliance for software development

Explore how generative AI may soon help enable optimizing some of the foundational components of compliance.



Mark Paulsen April 11, 2023

### Azure DevOps 2023 Q2 Roadmap update

April 11, 2023

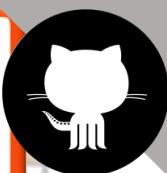
Gloridel Morales

Yesterday we published an updated list of features we plan to deliver in Q2. Each title includes a link where you can find details about each feature. We expect that this will help bring visibility into the key investments for the upcoming quarter. GitHub Advanced Security We are very excited to announce that GitHub Advanced Security for ...

### GitHub Galaxy 2023: Empower developer teams with a new developer experience

Learn how GitHub's one, integrated platform—powered by AI and secure at every step—helps developer teams be more productive, collaborative, and efficient.

Inbal Shani March 28, 2023



### Announcing the GitHub Actions extension for VS Code

Today, we're excited to announce the release of the public beta of the official GitHub Actions VS Code extension, which provides support for authoring and editing workflows and helps you manage workflow runs without leaving your IDE.

Christopher Schleiden March 28, 2023

### What developers need to know about generative AI

Generative AI has been dominating the news lately—but what exactly is it? Here's what you need to know, and what it means for developers.

Damian Brady April 7, 2023

### GitHub Copilot X: The AI-powered developer experience

GitHub Copilot is evolving to bring chat and voice interfaces, support pull requests, answer questions on docs, and adopt OpenAI's GPT-4 for a more personalized developer experience.

Thomas Dohmke March 22, 2023

### Ensuring compliance in developer workflows

How GitHub Enterprise ensures secure and compliant developer workflows for highly regulated industries.



Shaker Gilbert & Kevin Alwell April 13, 2023

### Building organization-wide governance and re-use for CI/CD and automation with GitHub Actions

Many of us are aware of the benefits that a strong focus on automation can bring, particularly in our development workflow and DevOps lifecycle. But silos across businesses can lead to duplication of effort, and potential to lose out on best practices. In this post, we'll explore how CI/CD can be shared across your entire organization alongside policies, for a well-governed experience with GitHub Actions.

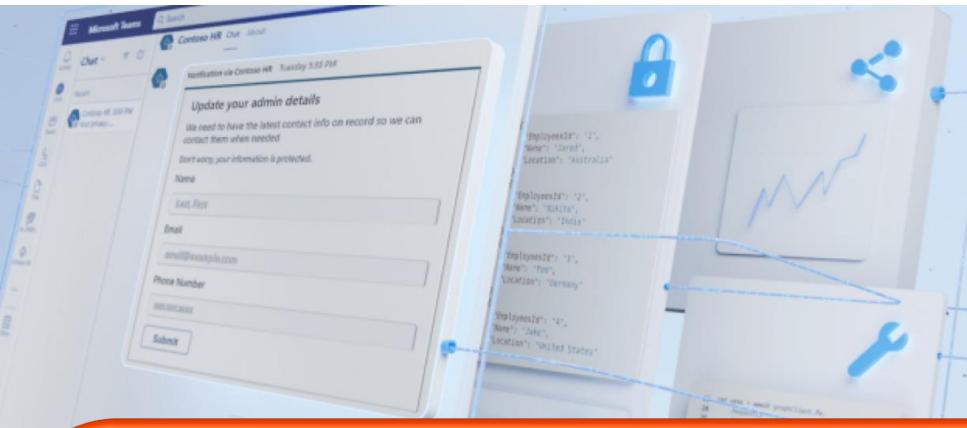
Chris Reddington April 5, 2023

### Build a secure code mindset with the GitHub Secure Code Game

Writing secure code is as much of an art as writing functional code, and it is the only way to write quality code. Learn how our Secure Code Game can provide you with hands-on training to spot and fix security issues in your code so that you can build a secure code mindset.

Joseph Katsioloudes March 23, 2023

# Office Developer Blogs and Microsoft 365 Dev Center



## [Global Developer Updates and Bootcamps :: M365](#) [Developer Blog :: Office Developer :: DevBlog](#)

- [Microsoft Entra Identity Developer Updates – April 2023](#)
- [Updates to the Microsoft 365 Developer Program](#)
- [Top five AppSource validation errors for Office Add-ins submissions](#)
- [Deploy your ChatGPT based model securely using Microsoft Teams, Power Virtual Agent and Azure OpenAI](#)
- [License management capabilities for Independent Software Vendors' \(ISV\) SaaS apps in Microsoft Teams](#)
- [Enabling billing for Microsoft Teams APIs in Microsoft Graph](#)
- [Build a developer assist dashboard using Teams Toolkit for Visual Studio Code v5.0 :: pre-release](#)

### Try the instant sandbox

Join our Microsoft 365 Developer Program to get a free, renewable 90-day developer subscription to develop Teams solutions.

[Join today >](#)

### Enabling billing for Microsoft Teams APIs in Microsoft Graph

[View blog >](#)

## Innovate with collaborative apps

Build collaborative apps for Microsoft 365 and Microsoft Teams that connect people, data, and processes to help users thrive in the hybrid workplace.

[Read blog](#)

## Build apps for Microsoft Viva

Starting with the Viva Connections toolkit (available now) and APIs for Viva Topics, Viva Insights and Viva Learning (coming soon), grow your customer reach with an open and extensible platform.

[Learn more about Viva Connections](#)

[View infographic >](#)

## Office Scripts

Easily automate your day-to-day tasks with **Office Scripts in Excel on the web**. Get started automating today!

[Learn more >](#)

[Try sample scripts >](#)

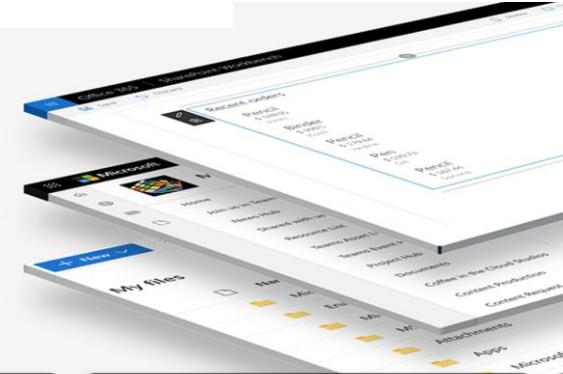


## Sample Solution Gallery

Explore our sample gallery filled with solutions that integrate seamlessly to the Microsoft products you use the most.

[Get Script Lab for Excel, PowerPoint, and Word](#)

[Get Script Lab for Outlook](#)



# Azure



# Azure Updates

## Azure Announcements : Azure Blog



### VMs, Features, & Announcements

- [GPT-4 in Azure OpenAI Service](#) :: Preview
- [Azure Data Manager for Energy: Achieve interoperability with Petrel](#) :: Preview
- [Announcing Project Health Insights Preview: Advancing AI for health data](#) :: Preview
- [Important observations from Microsoft at Mobile World Congress 2023](#)
- [Announcing Microsoft Azure Data Manager for Agriculture](#): Accelerating innovation across the agriculture value chain
- [How 5G and wireless edge infrastructure power digital operations with Microsoft](#)
- [Azure Space technologies advance digital transformation across government agencies](#)
- [Azure Database for PostgreSQL - Flexible Server in the Australia Central region.](#) :: Generally Available
- [Azure Container Apps supports user defined routes \(UDR\) and smaller subnets](#) :: Public Preview
- [Azure Image Builder Portal Functionality](#) :: Generally Available

### Data, AI, Security, & Availability

- [Scale improvements and metrics enhancements on Azure's regional WAF](#) :: Generally Available
- [What's new in Azure Data & AI](#): Azure is built for generative AI apps
- [Boost your data and AI skills with Microsoft Azure CLX](#)
- [Microsoft to showcase purpose-built AI infrastructure at NVIDIA GTC](#)
- [Performance troubleshooting workbooks for Azure Database for PostgreSQL Flexible Server](#) :: Preview
- [Private Application Gateway v2](#) :: Public Preview

### Operations & Benefits

- [Manage your APIs with Azure API Management's self-hosted gateway v2](#)
- [The Net Zero journey: Why digital twins are a powerful ally](#)
- [The "managed" IoT Edge solution on Azure stack Edge will be retired on March 31, 2024.](#) Transition your IoT Edge workloads to an IoT Edge solution running on a Linux VM on Azure Stack Edge.
- [Azure Site Recovery - Migrate Azure Automation account's authentication from Run As accounts to Managed Identity](#):: Generally Available

### Introducing GPT-4 in Azure OpenAI Service

March 21, 2023

Today, we are excited to announce that GPT-4 is available in preview in Azure OpenAI Service. Customers and partners already using Azure OpenAI Service can join the waitlist to access GPT-4 and start building with OpenAI's most advanced model yet. With this milestone, we are proud to bring the world's most advanced AI models—including GPT-3.5, ChatGPT, and DALL-E 2—to Azure customers, backed by Azure AI-optimized infrastructure, enterprise-readiness, compliance, data security, and privacy controls, along with many integrations with other Azure services.

[Eric Boyd](#), Corporate Vice President, AI Platform, Microsoft

[Read more](#)

### Modernize your apps and accelerate business growth with AI

Thursday, March 23, 2023

At Microsoft, we're committed to democratizing AI and giving you access to advanced generative AI models. As part of that commitment, in 2019, we started a long-term partnership with OpenAI. In January 2023, we announced the third phase of this partnership, including the general availability of Azure OpenAI Service.

[Anthony Joseph](#), Vice President of Marketplace and ISV Journey team

### What's new in Azure Data & AI: Azure is built for generative AI apps

Thursday, March 30, 2023

OpenAI launched ChatGPT in December 2022, immediately inspiring people and companies to pioneer novel use cases for large language models. It's no wonder that ChatGPT reached 1 million users within a week of launch and 100 million users within two months, making it the fastest-growing consumer application in history.

[Jessica Hawk](#), Corporate Vice President, Data & AI

# Azure Services Directory



## Azure OpenAI Service

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



## Azure Cognitive Services

Add cognitive capabilities to apps with APIs and AI services



## Azure Sphere

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

### 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 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 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](#)



## AI and the Future of Health >

March 30, 2023 | [Desney Tan](#)

Read about some of our research team's work to make healthcare more data-driven, predictive, and precise – ultimately, empowering every...

## AI Explainer: Foundation models and the next era of AI >

March 23, 2023 | [Ahmed H. Awadallah](#)

The release of OpenAI's GPT-4 is a significant advance that builds on several years of rapid innovation in foundation models. GPT-4, which was trained on the Microsoft Azure AI supercomputer, has exhibited significantly improved abilities across many dimensions—from summarizing lengthy documents, to answering complex questions...

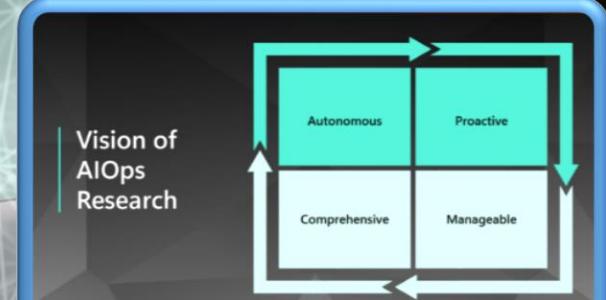


The diagram illustrates the REVIZOR tool's workflow. It starts with a 'CPU under test' represented by a central chip icon. A 'Test case generator' (represented by a bar chart icon) provides test cases to the CPU. The CPU then executes these tests and compares its results against a 'Leakage contract' (represented by a document icon). The entire process is labeled 'REVIZOR' at the top.

**Hunting speculative information leaks with Revizor >**

April 13, 2023 | [Boris Köpf](#) and [Oleksii Oleksenko](#)

Spectre and Meltdown are two security vulnerabilities that affect the vast majority of CPUs in use today. CPUs, or central processing units, act as the brains of a computer, directing the functions of its other components. By targeting a feature of the CPU implementation that...



The diagram shows a 2x2 matrix titled 'Vision of AIOps Research'. The columns are labeled 'Autonomous' and 'Proactive'. The rows are labeled 'Comprehensive' and 'Manageable'. Arrows indicate a clockwise flow between the four quadrants.

**Vision of AIOps Research**

**Building toward more autonomous and proactive cloud technologies with AI >**

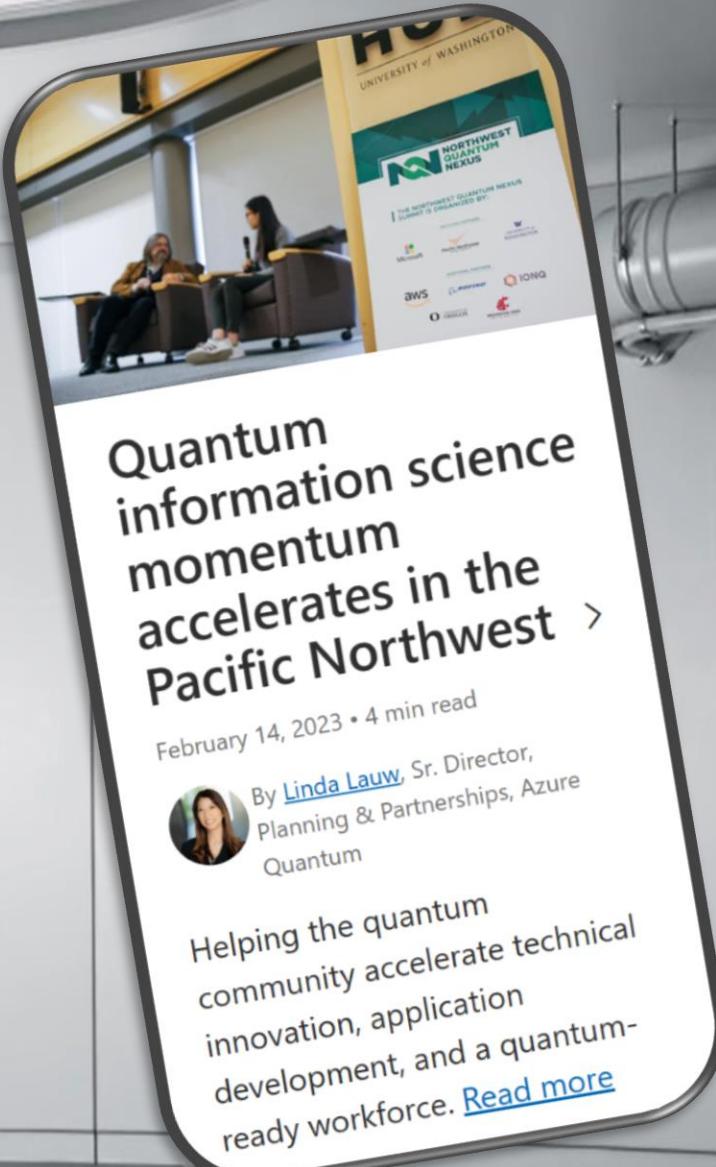
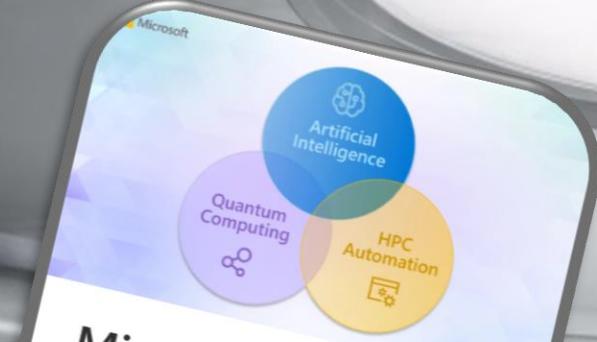
April 10, 2023

In the first blog post in this series, Cloud Intelligence/AIOps – Infusing AI into Cloud Computing Systems, we presented a brief overview of Microsoft's research on Cloud Intelligence/AIOps (AIOps), which innovates AI and machine learning (ML) technologies to help design, build, and operate complex cloud...

## AI and Microsoft Research

As a result of decades of work across the computing research community, AI is ubiquitous in the technologies that we use every day. Accelerating breakthroughs in large-scale AI are driving new waves of discovery and innovation.

# Microsoft Quantum Blog



# Showcase of the Month

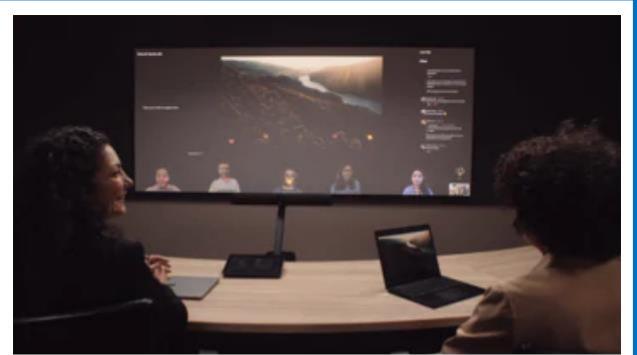


## IT Showcase

Discover the inside story of how Microsoft does IT.  
IT Showcase shares the blueprint of Microsoft reinvention, helping you learn from our experience and accelerate your transformation.



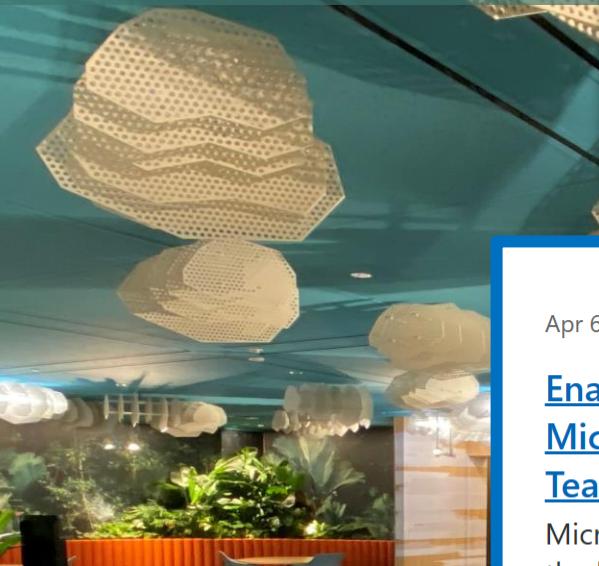
# Microsoft Showcase Series



April 05, 2023

## From prototype to production: Deploying Signature Microsoft Teams Rooms at Microsoft

[READ BLOG >](#)



March 30, 2023

## Upgrading Microsoft's core Human Resources system with SAP SuccessFactors

[READ BLOG >](#)

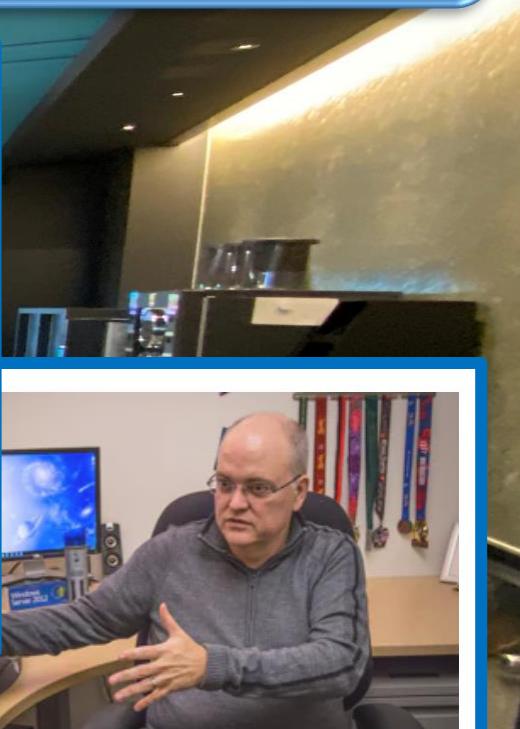
## Inside Track

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

Apr 6, 2023 | Lukas Velush

### [Enabling hybrid work internally at Microsoft with 'digital fabric' Microsoft Teams](#)

Microsoft Teams is enabling seamless collaboration in the hybrid workplace internally at Microsoft. In the most recent episode of our Inside Track "Spotlight" video series, Microsoft Inside Track leader Keith Boyd talks to Claire Sisson, a principal group program manager in Microsoft Digital, as well as Sara Bush, a principal program manager and member of...



March 29, 2023

## Boosting Microsoft's migration to the cloud with Microsoft Azure

[READ BLOG >](#)

# Microsoft Learning and Training:



## 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 Microsoft learning module cards and a brain diagram. The cards include: "Microsoft Security, Compliance, and Identity Fundamentals" (Learning Path, 43 min, Azure, Business User, Beginner), "Introduction to Microsoft Power Platform" (Module, 36 min, Microsoft Power Platform, Business Analyst, Beginner), "PL-900: Microsoft Power Platform Fundamentals" (Learning Path, 7 hr 5 min, Dynamics 365, Business User, Beginner), "Explore Microsoft Teams" (Module, 49 min, Microsoft 365, Administrator, Intermediate), "Get started with AI on Azure" (Module, 34 min, Azure, AI Engineer, Beginner), "Write your first C# code" (Module, 17 min, .NET, Developer, Beginner), and "Introduction to Power BI" (Module, 46 min, Microsoft Power Platform, Business Analyst, Beginner). Each card has an "Add" button. In the background, a 3D rendering of a human brain with colored nodes (red, blue, purple) is overlaid with a network of white lines, suggesting cognitive pathways or learning connections.

Microsoft Virtual Training Days

# Microsoft Events and Training: Updates



## Microsoft Virtual Training Days

## Events Catalog

## Microsoft Ignite

The live show has ended, but preparations for the next Microsoft Ignite event have just begun. Mark your calendars for November 15–16, 2023, and sign up for registration notifications so you can secure your spot early.

[Get notified >](#)

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 Azure Innovation Forum: Cloud Journey for Modernising Enterprise Web Apps and Data

04/26/2023 | 09:00 - 10:30 (CDT)

Digital

Briefing

Accelerated innovation defines our future, with new applications taking the form of digital innovations....

[Show more](#)



#### Discover how Microsoft's Incident Response Team tackles cyberattacks

05/11/2023 | 08:00 - 09:00 (CDT)

Digital

Training

Language: English with subtitles in English, Czech, Hungarian and Polish. As hackers become more...

[Show more](#)

#### Microsoft Azure Virtual Training Day: Linux OSS Database Migration

05/17/2023 | 08:00 (CDT) - 05/18/2023 | 11:00 (CDT)

Digital

Training



# New Training Initiative – Digital Skills for the Future

help professionals gain and demonstrate their skill

Build the skills you need to transition into a new tech job

LinkedIn and Microsoft have teamed up to provide free courses to help you find an in-demand tech role.

**LinkedIn Learning** |  Microsoft

## Software Developer

Understand the core concepts and structure of programming languages and learn how they're applied.

Skills you'll learn:

- Programming core concepts
- Working with collections
- Using external code
- Finding and fixing bugs

[Earn a Career Essentials in Software Development Professional Certificate](#)



## Data analyst

Explore foundational concepts used in data analysis and practice using software tools for data analytics and data visualization.

Skills you'll learn:

- Data gathering and cleaning
- SQL queries
- Quality data sets and visualizations
- Data analysis software tools

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



## Business analyst

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

Skills you'll learn:

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

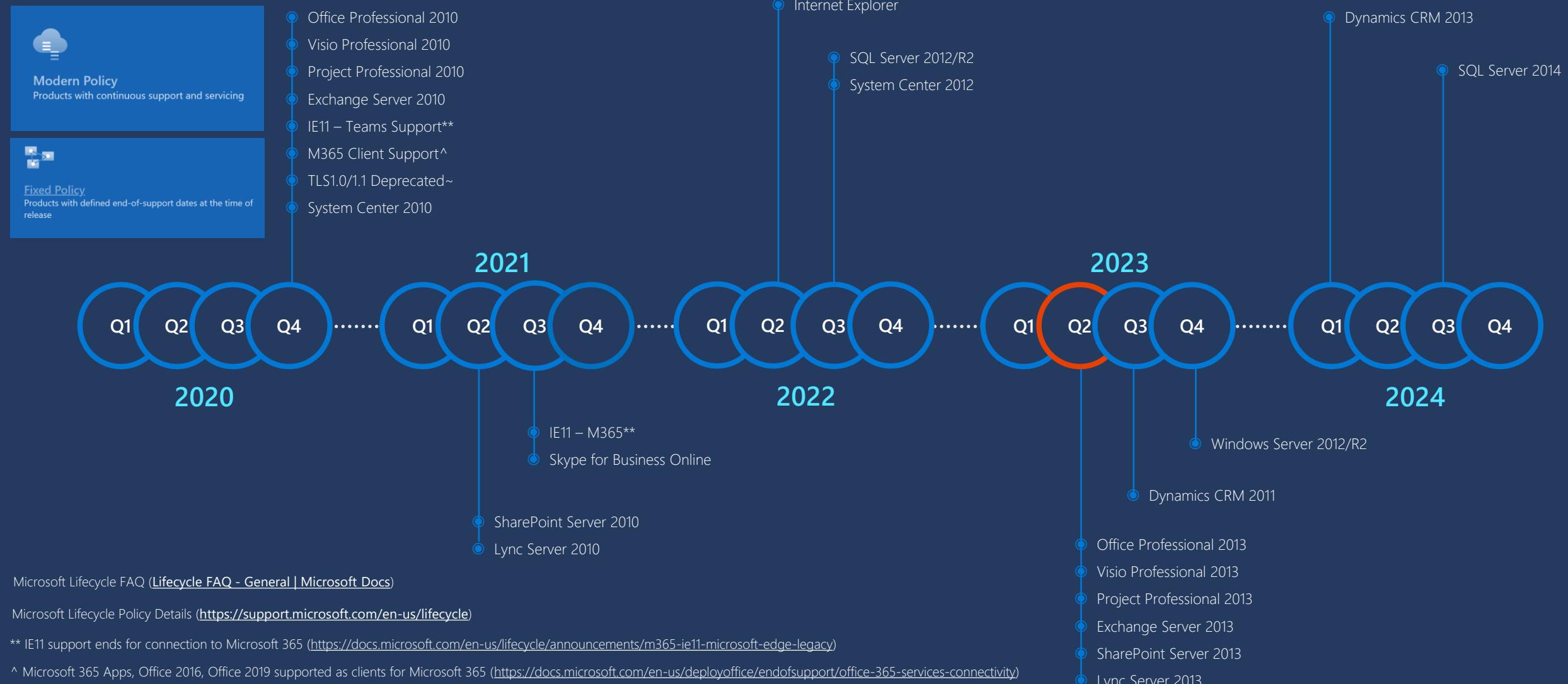
[Earn a Career Essentials in Business Analysis Professional Certificate](#)

# Product Lifecycles

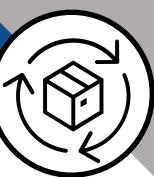




# End of Service Roadmap to 2024



# 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 Azure Virtual Machine (classic)</a>	<b>March 1, 2023</b>
<a href="#">Kaizala</a>	August 31, 2023
<a href="#">Scheduler for Microsoft 365</a>	September 1, 2023

## 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

### Lifecycle data export

#### Export all products

Export lifecycle data for all products by clicking below:

[Export All Products](#)

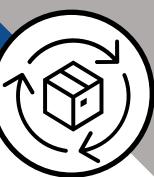
## Announcements

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

- ✿ Deprecation of Basic Authentication (Basic Auth) in Exchange Online
- ✿ Kaizala to be retired August 31, 2023
- ✿ UPDATED: Windows Analytics retirement on January 31, 2020
- ✿ Windows 8.1 end of support on January 10, 2023
- ✿ System Center 2012/2012 R2 end of support on July 12, 2022
- ✿ SQL Server 2012 and Windows Server 2012/2012 R2 end of support

[See more >](#)

# 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 Endpoint Configuration Manager, Version 2107</a>	<b>February 2, 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 Endpoint Configuration Manager, Version 2111</a>	June 1, 2023
<a href="#">Windows 10 Home and Pro, Version 21H2</a>	June 13, 2023
<a href="#">Microsoft Endpoint Configuration Manager, Version 2203</a>	October 6, 2023
<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>	October 10, 2023

## 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 Endpoint 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 Home and Pro, Version 22H2</a>	May 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="#">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="#">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="#">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> <a href="#">Workflow Manager 1.0</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

# 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>	October 10, 2023

## 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



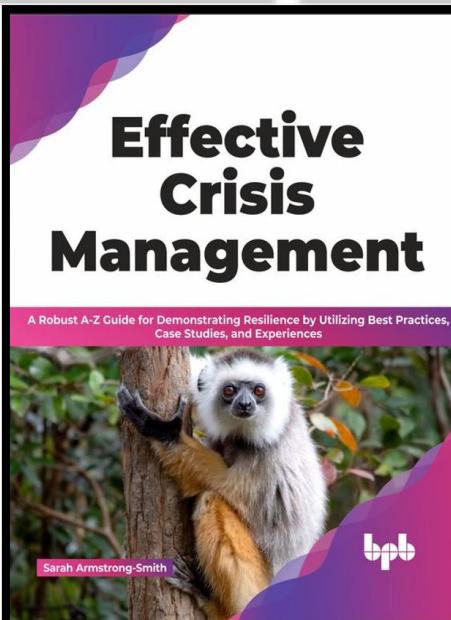
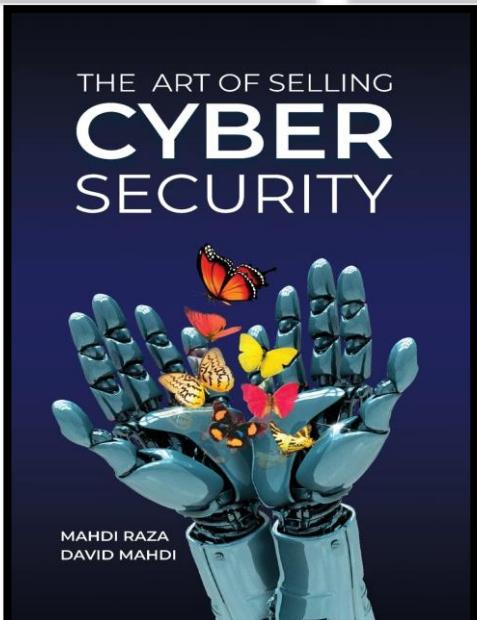
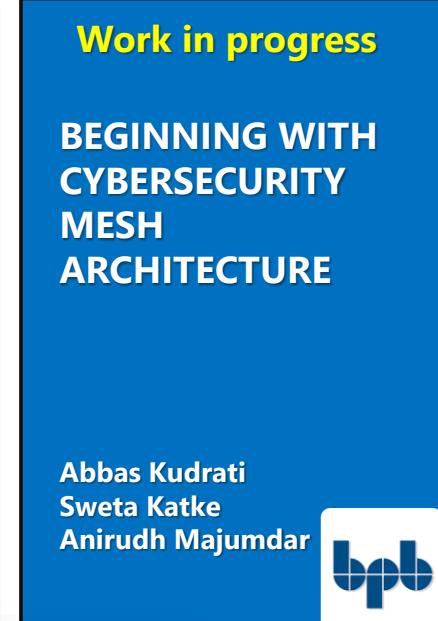
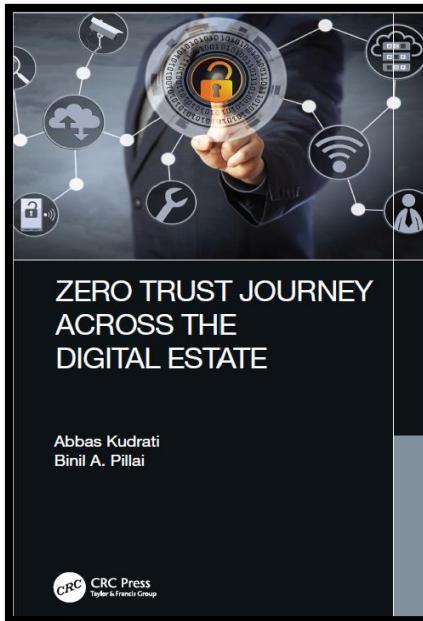
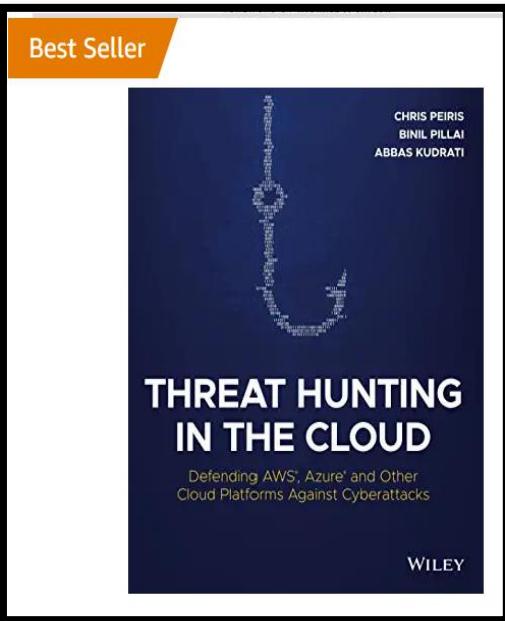
Company	Date	Description
Movere	10-21-2019	Movere accelerates cloud migrations. It increases business intelligence by accurately <b>presenting entire IT environments within a single day</b> , providing enterprises with the confidence they need to have <b>visibility and control of their environments regardless 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> .

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