



Microsoft

Monthly Technical Briefing

JUNE 2023

Abbas Kudrati
APAC Chief Cybersecurity Advisor
Abbas.Kudrati@microsoft.com
<https://aka.ms/abbas>





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



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



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



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



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



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

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](#)

May 15, 2023 • 8 min read

Microsoft Security highlights from RSA Conference 2023

At RSA Conference April 24 to 26, 2023, Microsoft Security shared solution news and insights. Watch Vasu Jakkal's keynote on-demand (video courtesy of RSA conference).

Stronger Together

Feedback

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 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 >](#)

Microsoft Build :: Book of News



1. AI Plugins

1.1. AI Plugins ^

1.1.1. Microsoft is growing the AI plugin ecosystem

2. Azure

2.1. Azure AI ^

2.1.1. AI-focused updates for Azure solutions improve productivity, efficiency

2.1.2. Operationalize generative AI responsibly with Azure Machine Learning

2.2. Azure Data ^

2.2.1. Introducing the new Microsoft Fabric, built for the era of AI

2.2.2. Power BI updates increasing speed, productivity in preview

2.2.3. Azure Cosmos DB updates improve developer productivity, optimize costs

2.2.4. Azure SQL Database lets users build and rapidly scale multiple apps

2.3. Azure Infrastructure ^

2.3.1. New features in Azure Container Storage in preview

2.3.2. Microsoft Azure Monitor managed service for Prometheus updates

2.3.3. New feature in Microsoft Cost Management lets users understand cloud costs, coming soon in preview

2.4. Azure Confidential Computing ^

2.4.1. New confidential virtual machines based on Intel Trust Domain Extensions in preview

2.4.2. Red Hat Enterprise Linux support for Azure AMD-based confidential virtual machines

2.4.3. Confidential containers on Azure Container Instances now generally available

2.4.4. New AMD-based confidential virtual machine options for Azure services in preview

2.4.5. Confidential containers on Azure Kubernetes Service now in preview

2.5. Developer Tools and DevOps ^

2.5.1. Azure Deployment Environments now generally available

2.5.2. Microsoft Dev Box introducing several new capabilities to enhance developer experience and productivity

2.5.3. GitHub Advanced Security for Azure DevOps is now in preview

2.5.4. New capabilities for Azure API Management

2.5.5. Call automation from Azure Communication Services launching soon

2.5.6. Updates to Azure Event Grid now in preview

2.5.7. Azure Linux as a container host operating system for Azure Kubernetes Service now generally available

2.5.8. Azure Container Apps introduces new capabilities for enhanced developer productivity

2.5.9. Azure Functions introduces new hosting option to build serverless, cloud-native apps

2.5.10. Azure Kubernetes Service receives multiple updates

3. Developer Community

3.1. Developer Community ^

3.1.1. AI training and documentation now available on Microsoft Learn

3.1.2. Microsoft launches AI Assist for Microsoft Q&A

3.1.3. Updates to Semantic Kernel, an open-source framework for building AI apps

4. Edge

4.1. Edge ^

4.1.1. Microsoft 365 Copilot coming to Microsoft Edge

4.1.2. Microsoft Edge for Business now in preview

4.1.3. New Microsoft Edge management service offers dedicated, simplified browser management

4.1.4. Microsoft Edge Workspaces will be generally available in the next few months

4.1.5. Sidebar app development for Microsoft Edge now generally available

5. Microsoft 365

5.1. Microsoft 365 ^

5.1.1. Extend Microsoft 365 Copilot with plugins

5.1.2. New features for Microsoft Syntex in preview

5.1.3. Build custom LLM-powered Teams bots using Visual Studio Teams Toolkit

5.1.4. Microsoft Teams Live Share software development kit now generally available

5.1.5. New ways for Independent Software Vendors to grow their business with Microsoft Teams

5.1.6. Avatars for Microsoft Teams generally available in desktop app for Windows, Mac

5.1.7. New immersive spaces for Microsoft Teams in private preview

5.1.8. Microsoft Mesh now in private preview

6. Power Platform

6.1. Power Platform ^

6.1.1. New features in Dataverse accelerate data-driven app development

6.1.2. New Copilot in Power Pages experiences in preview

6.1.3. New features and updates for Power Virtual Agents

6.1.4. New ways to develop and orchestrate automation with Microsoft Power Automate

6.1.5. Catalog in Power Apps now in preview

6.1.6. Automate Teams Bot creation with Power Virtual Agents, now in preview

6.1.7. Advancements to Copilot in Power Apps

7. Responsible AI

7.1. Responsible AI ^

7.1.1. Media provenance in development for Microsoft Designer and Bing Image Creator

8. Security

8.1. Security ^

8.1.1. Machine learning and ready-to-use source code classifiers now generally available

8.1.2. New APIs available to support investigation and litigation scenarios

8.1.3. Microsoft Entra External ID now in preview

9. Windows

9.1. Windows ^

9.1.1. Microsoft Store on Windows creating more opportunity for developers through new tools, features

9.1.2. Hybrid Loop becomes a reality: Unlocking the end-to-end Windows AI developer experiences using ONNX Runtime and Olive

9.1.3. Introducing Windows Copilot for Windows 11

9.1.4. Windows continues to accelerate support for development on Arm

9.1.5. Windows creating a home for developers



Join us at Microsoft Inspire

Elevate your business by joining us for our largest partner event of the year July 18-19, 2023 PT.

[Register now](#)

Session catalog

Discover sessions

Browse our catalog, refine your results with filters, or use the search bar to find sessions specific to your interests. Shortly before the live event, sign in and plan your full schedule by adding impactful presentations and discussions that will help you grow your business.

Microsoft Inspire

July 18-19, 2023

Partner of the Year Awards

Celebrate with us as we honor our winning partners and highlight their achievements in delivering impactful solutions and services to customers around the globe.

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



Microsoft Ignite

Join us at the next Microsoft Ignite event November 15–16, 2023, to catch up on the latest industry innovations. Sign up to be one of the first to know when registration launches.

[Get notified >](#)

Explore key moments

Check out what you may have missed and discover new highlights from Satya Nadella's keynote.



Microsoft Learn

Spark possibility

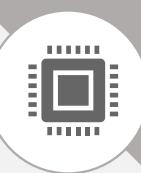
Build skills that open doors. Find out all that you can do with interactive training and certifications from Microsoft Learn.

Dive into your next event

Check out the full lineup of upcoming event experiences to help you grow your skillset and community.

Updates of Security and Compliance





News Identity and access management Microsoft Entra · May 31 · 5 min read

XDR meets IAM: Comprehensive identity threat detection and response with Microsoft >

Identity-based attacks are on the rise, making identity protection more important than ever. Explore our blog post to learn how Microsoft's Identity Threat Detection and Response can help.

Events Security management Microsoft Defender · May 15 · 8 min read

Microsoft Security highlights from RSA Conference 2023 >

At RSA Conference April 24 to 26, 2023, Microsoft Security shared solution news and insights. Watch Vasu Jakkal's keynote on-demand (video courtesy of RSA conference).

Best practices Incident response Microsoft Security Experts · Jun 6 · 6 min read

Why a proactive detection and incident response plan is crucial for your organization >

Matt Suiche of Magnet Forensics talks about top security threats for organizations and strategies for effective incident response.

Events Identity and access management Microsoft Entra · May 23 · 5 min read

Microsoft Build 2023: Announcing new identity, compliance, and security features from Microsoft Security >

Microsoft Build 2023 is the place to discover new features and technologies, share ideas, and boost your skills. Learn about the new identity and compliance features we're announcing.

Microsoft Security Copilot: Empowering defenders with AI

News Email security · May 19 · 3 min read

Cyber Signals: Shifting tactics fuel surge in business email compromise >

Business email operators seek to exploit the daily sea of email traffic to lure victims into providing financial and other sensitive business information.

Events Identity and access management Microsoft Entra · Jun 7 · 4 min read

Join our digital event to learn what's new in Microsoft Entra >

Join us at the digital event Reimagine secure access with Microsoft Entra to explore how to make identity your first line of defense and to hear about innovative products.

May 23, 2023

Bringing the power of AI to Windows 11 – unlocking a new era of productivity for customers and developers with Windows Copilot and Dev Home

By Panos Panay, Chief Product Officer, Windows and Devices

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 Copilot Early Access Program](#)
- ❖ [Copilot in Microsoft Viva](#) – Boosting engagement and performance
- ❖ [Microsoft Syntex Innovation](#) – Plugins for Microsoft 365 Copilot, Repository Services
- ❖ [Network Provider Performance and Availability Reporting](#) :: Public Preview
- ❖ [Desktop Excel Action Recorder](#) – Record and Excel creates the script
- ❖ [Accessibility Ribbon in Outlook for Windows](#)
- ❖ [Closed Captions for Audio in PowerPoint](#)
- ❖ Enhance the diagramming experience in Microsoft Teams with the new Visio app
- ❖ [Microsoft Mesh](#) :: Private Preview

7 min read

Empowering every developer with plugins for Microsoft 365 Copilot >

Generative AI models are ushering in the next frontier in interactions between humans and computers. Just like graphical user interfaces brought computing within reach of hundreds of millions of people three decades ago, next-generation AI will take it even further, making technology more accessible through the most universal interface—natural language.

Announcing new Microsoft Syntex innovations – Plugins for...

Jeff Teper on May 23 2023 08:00 AM

Today at Microsoft Build 2023, we're excited to announce the new Microsoft Syntex plugins for Microsoft 365 Copilot and ...

Public Preview for Network Provider Performance and...

Scott Schoell on May 22 2023 03:42 PM

We are thrilled to announce the availability of a Public Preview for network provider performance and availability repor...

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

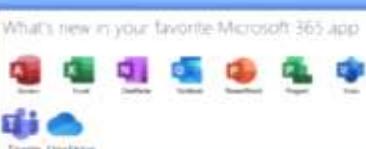
- > Microsoft Defender for Office 365: Security Threat Submission API
Preview Available: June 2022
Rollout Start: October 2023
- > Microsoft Purview | Communication Compliance Empower end users to report inappropriate messages in Teams
Rollout Start: July 2023
- > Microsoft Teams: Simulcast for Teams on AVD and Citrix VDI
Rollout Start: July 2023
- > Microsoft Viva: Connections News Notifications
Rollout Start: June 2023
- > Microsoft To Do: Apple Watch Support
Rollout Start: June 2023
- > Microsoft Teams: Share the system audio from Teams meetings on AVD VDI
Rollout Start: June 2023
- > Microsoft Defender for Office 365: End user reporting for suspicious messages in Microsoft Teams
Preview Available: March 2023
Rollout Start: June 2023
- > Microsoft Teams: Updated companion mode for Android meetings
Rollout Start: June 2023
- > Microsoft Teams: Enable zooming while viewing screenshare
Rollout Start: June 2023
- > Microsoft Viva: Mobile Dashboard personalization
Rollout Start: June 2023
- > Microsoft 365 admin center: Microsoft Edge management service
Preview Available: May 2023
Rollout Start: June 2023
- > Microsoft Project: Goals in Project for the Web
Rollout Start: June 2023
- > Microsoft Teams Admin Center: New widget for unspent Azure consumption commitment
Rollout Start: June 2023
- > Outlook: New Outlook for Windows and web - Reading pane background image
Rollout Start: June 2023

5. Microsoft 365

5.1. Microsoft 365 ^

- 5.1.1. Extend Microsoft 365 Copilot with plugins
- 5.1.2. New features for Microsoft Syntex in preview
- 5.1.3. Build custom LLM-powered Teams bots using Visual Studio Teams Toolkit
- 5.1.4. Microsoft Teams Live Share software development kit now generally available
- 5.1.5. New ways for Independent Software Vendors to grow their business with Microsoft Teams
- 5.1.6. Avatars for Microsoft Teams generally available in desktop app for Windows, Mac
- 5.1.7. New immersive spaces for Microsoft Teams in private preview
- 5.1.8. Microsoft Mesh now in private preview

From Build 2023



Microsoft Teams Blog:



What's New in Microsoft Teams | May 2023

What's New in Microsoft Teams | May 2023

Steve Stein on May 31 2023 08:00 AM

Welcome to the May 2023 edition of What's New in Teams! This month featured a ton of great announcements from Microsoft ...

New for This Month:

- [Active Speaker View in meetings](#)
- [Profanity filtering on/off control for Live Captions](#)
- [Support Breakout Rooms on VDI](#)
- [New Meeting Recap Experience](#)
- [Mesh and Avatars for Teams](#)

Teams Premium

- [Intelligent Meeting Recap :: Generally Available](#)
- [Microsoft Teams: Virtual Appointments two-way lobby chat](#)

Chat and Collaboration:

- Expanded view for profile card
- Create offline meetings in Teams
- New 'notes' tab when creating a standard channel
- A new files app experience in Teams



The Total Economic Impact of Microsoft Teams as a Platform

David Walsh, 1 on Jun 02 2023 08:00 AM

Microsoft commissioned Forrester Consulting to examine how Microsoft Teams, as a unified communication and collaboration...

Rooms and Devices:

- Track and pause automatic firmware updates for Android-based Teams devices in the Teams Admin Center
- Default meeting layout controls for Microsoft Teams Rooms on Android
- Expanded, easier interoperability
- Easier Hotdesking Sign-in with QR Code Update
- Busy-on-busy admin settings now honored on Teams phone devices
- Dynamic emergency calling enhancements on Teams Phone Devices
- [Yealink MCORE Pro Kit on Microsoft Teams Rooms on Windows](#)
- [Jabra Evolve2 30 and 40 SE Headsets](#)

Admin and Security:

- New widget for unspent Azure consumption commitment
- Block anonymous users' meeting chat read access

A screenshot of the Microsoft Teams interface during a video conference. At the top, there's a navigation bar with tabs like Home, Chat, Calls, and More. Below it is a participant grid showing six people. To the right of the grid is a sidebar with meeting details: 'MEETING ID: 192.168.1.111' and 'INVITED: 6 months'. At the bottom, there's a transcript and a 'RECAP' button.

Intelligent meeting recap in Teams Premium, now available

Meera Ajam on May 30 2023 09:30 AM

Earlier this year we brought Teams Premium to market – a new offering that makes meetings more intelligent, personalized...

A screenshot of the Microsoft Mesh interface. It shows a 3D environment with multiple users represented by avatars. One user in the foreground is wearing a blue hijab and has their hands raised. Other users are visible in the background. The interface includes a sidebar with options like 'Meet', 'Create', and 'Discover'.

Microsoft Mesh: Transforming how people come together in...

Lori Craw on May 23 2023 08:00 AM

Mesh powers immersive experiences that we are integrating into Microsoft Teams, helping employees form personal connecti...

From Build 2023

5. Microsoft 365

5.1. Microsoft 365 ^

- 5.1.1. Extend Microsoft 365 Copilot with plugins
- 5.1.2. New features for Microsoft Syntex in preview
- 5.1.3. Build custom LLM-powered Teams bots using Visual Studio Teams Toolkit
- 5.1.4. Microsoft Teams Live Share software development kit now generally available
- 5.1.5. New ways for Independent Software Vendors to grow their business with Microsoft Teams
- 5.1.6. Avatars for Microsoft Teams generally available in desktop app for Windows, Mac
- 5.1.7. New immersive spaces for Microsoft Teams in private preview
- 5.1.8. Microsoft Mesh now in private preview

Platform

- App suggestions by task in In-context Stores
- Auto Install Approved Apps
- New Collaborative Apps
 - Threedy, [instant3DHub](#)
 - [WorkBoard in Teams](#)
 - [integration of Optimizely CMP](#)
 - [The entomo app](#)
 - [Pieces for Developers](#) optimizes developer tools and eliminates context switching
 - [Arvato Systems](#) built the [Guest User Manager](#) app to provide easy management of external users

Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



[Viva Connections](#)

Employee Communications, Culture, & Collaboration

[Viva Engage](#)



[Viva Insights](#)

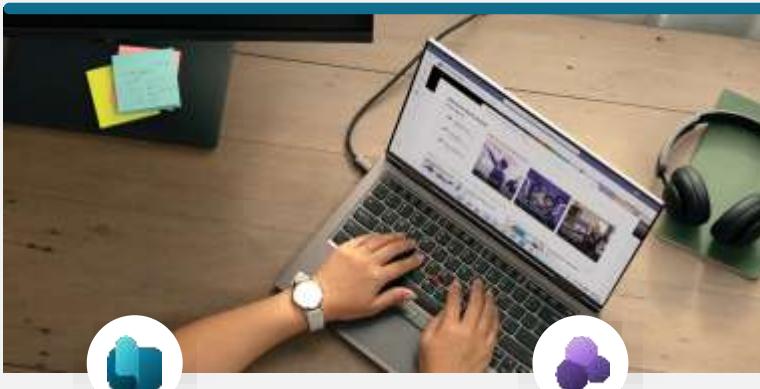
Workplace Analytics & Employee Feedback

[Viva Pulse :: Preview](#)



[Viva Goals](#)

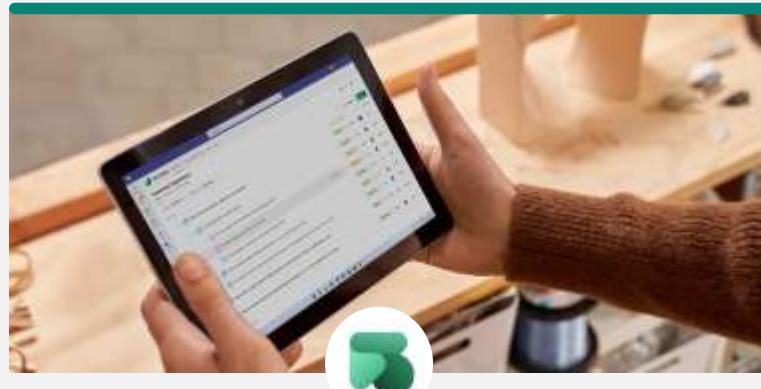
Goals and OKR (Objectives and Key Results) Management



[Viva Learning](#)

Learning and Knowledge

[Viva Topics](#)



[Viva Sales](#)

Role-based Experiences and engagement



Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Microsoft Viva Connections



Microsoft Viva Engage



Microsoft Viva Insights



Microsoft Viva Pulse (Public Preview)



Microsoft Viva Goals



Microsoft Viva Learning



Microsoft Viva Topics



Microsoft Viva Sales

[Getting Started with Microsoft Viva Series | Live and recorded](#)

Microsoft Viva MVPs share proven strategies to drive Viva adoption & deployment in your organization!

A screenshot of the Microsoft Viva Pulse mobile application showing a dashboard with various metrics and user engagement data.

[Microsoft Viva Pulse available for public preview](#)

TransactCreate_PMM on Jun 14 2023 12:40 PM

Microsoft Viva Pulse is available for public preview starting today!

A screenshot of the Microsoft Viva Engage interface showing a campaign management screen with various campaign details and metrics.

[Viva Engage Explained - Campaigns in Viva Engage](#)

Increase the impact and elevate your campaigns by using campaigns...

A screenshot of the Microsoft Viva Insights interface showing a data import feature with a large blue circular icon.

[Invitation for private preview – new data-import feature](#)

byolason in Viva Insights Blog May 05 2023 11:51 AM

We're building two new data-import features in Viva Insights, and we want to invite you to...

A screenshot of the Microsoft Viva Topics updated adoption guide showing a dashboard with various metrics and user engagement data.

[Viva Topics: Updated Adoption Guide and a New Pilot Gui...](#)

Access the updated Adoption guide and the new Pilot guide for Mic...

A screenshot of the Microsoft Viva Insights Power BI report showing a dashboard with various metrics and user engagement data.

[What's new in Viva Insights – May 2023](#)

Say hello to a new Power BI report, updates to organization insig...



[Work Trend Index Annual Report](#)

Will AI fix work? Discover how AI is poised to create a whole new way of working.

A visualization showing a video or image from the Work Trend Index Special Report.

[Work Trend Index Special Report](#)

Read new research about the ROI of employee engagement and the age of AI.

[Building tailored employee experiences with Microsoft Viva Connections and SharePoint Framework](#)

Join this session to explore the extensibility opportunities with SPFx and how to start building an engaging user experence.

July 26 at 7 AM PT

[Register now >](#)

Microsoft Power Platform



Microsoft Power Platform

Announcements · 5 min read

Build solutions faster with Microsoft Power Platform and next-generation AI

By Richard Riley, General Manager, Power Platform, Product Marketing

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

Roadmaps and Release plans:



[Viva Sales](#) • Jun 5 • 3 min read

[Enhancing Seller Productivity: Customize Viva Sales Forms](#) >

In today's competitive business landscape, maximizing the value sellers derive from sales tools is paramount.

[AI](#) • May 12 • 7 min read

[How Copilot in Microsoft Dynamics 365 and Power Platform delivers enterprise-ready AI built for security and privacy](#)

[AI](#) • Jun 15 • 4 min read

[Introducing next-generation AI and Microsoft Dynamics 365 Copilot capabilities for ERP](#) >

Welcome to a new era in enterprise resource planning (ERP) systems. As businesses around the world embrace the power of AI to streamline...

[Dynamics 365 Customer Service](#) • May 24 • 4 min read

[Transform your customer support organization with copilot AI in 30 days](#) >

With the preview of Copilot in Dynamics 365 Customer Service, it's easy to bring next-generation AI to your customer support organization.

May 24 • 6 min read

[New Dataverse enhancements and AI-powered productivity with Microsoft 365 Copilot](#)

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

- [Introducing Microsoft Fabric and Copilot in Microsoft Power BI](#)
- [June Power BI Feature Summary](#)
- [Hyperscale low-code apps using Microsoft Dataverse](#)
- [Governing business application data with Microsoft Purview](#)
- [Power Platform Customer-managed Key \(CMK\) :: Generally Available](#)
- [Chevron Leads the Way in Citizen Development by Extending Data Lake Accessibility with Microsoft Dataverse](#)
- [Copilot for Power Pages :: Preview](#)
- [Copilot for Power Virtual Agents :: Preview](#)
- [Power Automate Copilot, Custom Actions & "Describe it to Design it" :: Preview](#)
- [Use Power Virtual Agents to automate Teams Bots :: Preview](#)
- [Copilot in Power Apps - Describe to Design user interfaces :: Preview](#)

6. Power Platform

6.1. Power Platform ^

- 6.1.1. New features in Dataverse accelerate data-driven app development
- 6.1.2. New Copilot in Power Pages experiences in preview
- 6.1.3. New features and updates for Power Virtual Agents
- 6.1.4. New ways to develop and orchestrate automation with Microsoft Power Automate
- 6.1.5. Catalog in Power Apps now in preview
- 6.1.6. Automate Teams Bot creation with Power Virtual Agents, now in preview
- 6.1.7. Advancements to Copilot in Power Apps

From Build 2023

Developer and GitHub

GitHub Blog and Changelog

- [GitHub Actions – Securing OpenID Connect \(OIDC\) token permissions in reusable workflows](#)
- [Set Maximum Codespaces per User Policy](#)
- [Organization-wide Archiving with a single click :: Public Beta](#)
- [Make GitHub projects more accessible with accessibility-alt-text-bot](#)
- [How I used GitHub Copilot to build a browser extension](#)
- [All in CHAOSS DEI Badging :: Pilot Initiative](#)
- [Redesigned navigation enabled for all users :: Beta](#)
- [Fix to improve security around creation of pull requests in public repos](#)
- [GitHub Actions: All Actions will run on Node16 instead of Node12 by default](#)



Microsoft Developer Blogs:

- [OpenAI API endpoints](#)
- [JetchatAI gets smarter with embeddings](#)
- [Configure Visual Studio policies using Microsoft Endpoint Manager \(Intune\)](#)
- [Fluid Framework 2.0 Alpha :: Now Available](#)
- [Visual Studio's IntelliSense list can now steer GitHub Copilot code completions.](#)
- [C# Dev Kit for Visual Studio Code](#)
- [Improved Doxygen Overload Resolution](#)
- [vcpkg is Now Included with Visual Studio](#)
- [.NET Framework June 2023 Security and Quality Rollup](#)
- [.NET 8 :: Preview 5](#)

3. Developer Community

3.1. Developer Community ^

3.1.1. AI training and documentation now available on Microsoft Learn

3.1.2. Microsoft launches AI Assist for Microsoft Q&A

3.1.3. Updates to Semantic Kernel, an open-source framework for building AI apps

From Build 2023



Inside GitHub: Working with the LLMs behind GitHub Copilot

Developers behind GitHub Copilot discuss what it was like to work with OpenAI's large language model and how it informed the development of Copilot as we know it today.

Sara Verdi May 17, 2023

How GitHub Copilot is getting better at understanding your code

With a new Fill-in-the-Middle paradigm, GitHub engineers improved the way GitHub Copilot contextualizes your code. By continuing to develop and test advanced retrieval algorithms, they're working on making our AI tool even more advanced.

Johan Rosendal May 17, 2023

Swift support brings broader mobile application security to GitHub Advanced Security

We've launched the beta of code scanning support for Swift. This launch, paired with our launch of Kotlin support in November, means that CodeQL covers both iOS and Android development languages, bringing a heightened level of security to the mobile application development process.

Walker Chabbott & Pierre Tempel June 5, 2023

Survey reveals AI's impact on the developer experience

We surveyed 500 U.S.-based developers at companies with 1,000-plus employees about how managers should consider developer productivity, collaboration, and AI coding tools.

Inbal Shani & GitHub Staff June 13, 2023

Cloud migration made easy: Introducing GitHub Enterprise Importer

With GitHub Enterprise Importer, you can seamlessly move to GitHub Enterprise Cloud, bringing your code and collaboration history with you so your team doesn't miss a beat.

Tim Rogers & Melody Mileski June 12, 2023

Announcing the public preview of GitHub Advanced Security for Azure DevOps

GitHub Advanced Security for Azure DevOps is now available for public preview, making GitHub's same application security testing tools natively available on Azure Repos.

Walker Chabbott May 23, 2023

Rooting with root cause: finding a variant of a Project Zero bug

In this blog, I'll look at CVE-2022-46395, a variant of CVE-2022-36449 (Project Zero Issue 2327), and use it to gain arbitrary kernel code execution and root privileges from the untrusted app domain on an Android phone that uses the Arm Mali GPU. I'll also explain how root cause analysis of CVE-2022-36449 led to the discovery of CVE-2022-46395.

Man Yue Mo May 25, 2023

Applying GitOps principles to your operations

Could we use our Git repository as the source of truth for operational tasks, and somehow reconcile changes with our real-world view?

Chris Reddington June 2, 2023

GitHub's revamped VIP Bug Bounty Program

Github's VIP Bug Bounty Program has been updated to include a clear and accessible criteria for receiving an invitation to the program and more. Learn more about the program and how you can become a Hacktivist, and join our community of researchers who are contributing to GitHub's security with fun perks and access to staff and beta features!

Jeff Guena June 17, 2023



Office Developer Blogs and Microsoft 365 Dev Center



Microsoft

Build 2023

What's new for Office Add-ins



What's new for Office Add-ins

June 12, 2023

Office Add-ins team

The Microsoft 365 ecosystem is expanding rapidly. In this blog, we'll explore the new capabilities and features available to empower your Office solutions even more.

Microsoft

Build 2023

Building apps that bring together AI and collaboration



Building apps that bring together AI and collaboration

May 23, 2023

Ben Summers

This blog highlights all the new features we've delivered – features that, when combined with our AI and Copilot capabilities, promise to make the Microsoft 365 platform an even more powerful place to build a new generation of collaborative apps.

Microsoft

Build 2023

Build your own app's copilot on Microsoft Teams with the new Teams AI Library



Build your own app's copilot on Microsoft Teams with the NEW Teams AI Library

June 1, 2023

Daniel Carrasco, Joey Glocke, Ankit Govil

Beyond plugins for Microsoft 365 Copilot, we're opening doors for you to construct bespoke intelligent, conversational app experiences for your Teams users—your very own copilots.

Reshape the future of collaboration with AI-powered apps

Read news

Shaping the future of work with AI

Integrating your app with Microsoft 365 Copilot can transform how your users create and collaborate.

Learn more

Explore AI capabilities >

Working with Dynamics and Microsoft Graph data in the Microsoft 365 Copilot

View video >

Build Outlook Add-ins using Teams Toolkit for Visual Studio Code

View video >

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

- [Deprecation of sha1Hash on OneDrive Personal](#)
- [Microsoft Viva Connections solutions are now available in the Microsoft AppSource](#)
- [Microsoft Graph Toolkit v3.0 :: Release Candidate](#)
- [Teams App Camp : New Adventure](#)
- [Microsoft 365 Developer Program : Updates](#)
- [Create a Teams tab and Outlook Add-in with a Hello World project](#)
- [Microsoft Graph Developer Proxy v0.8 with minimal permissions detection and improved simulating throttling](#)
- [Building Go applications with the Microsoft Graph Go SDK :: Generally Available](#)

5. Microsoft 365

- ### 5.1. Microsoft 365 ^
- 5.1.1. Extend Microsoft 365 Copilot with plugins
 - 5.1.2. New features for Microsoft Syntex in preview
 - 5.1.3. Build custom LLM-powered Teams bots using Visual Studio Teams Toolkit
 - 5.1.4. Microsoft Teams Live Share software development kit now generally available
 - 5.1.5. New ways for Independent Software Vendors to grow their business with Microsoft Teams
 - 5.1.6. Avatars for Microsoft Teams generally available in desktop app for Windows, Mac
 - 5.1.7. New immersive spaces for Microsoft Teams in private preview
 - 5.1.8. Microsoft Mesh now in private preview
- ## From Build 2023

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



[Consumer Goods](#) • Jun 6 •

5 min read

"What's my generative AI strategy?" Microsoft is helping consumer goods brand marketers embrace the era of AI >

Generative AI streamlines communication between humans, computers, and data, simplifying the work we do by enabling conversational queries across analytics, email generation, marketing content, and even retail media. It is now a critical time to put data at the core of your marketing strategy.



[Financial services](#) • Jun 6 •

5 min read

The era of generative AI: Driving transformation in insurance >

With the arrival of ChatGPT and generative AI, the power of AI became more accessible to everyone. For Microsoft, this will drive an evolution of our vision for intelligent insurance. For insurance companies—with their data-centric product focus, to their vast ecosystems of digital-savvy agents and customers—it is simply a red-hot opportunity.

May 15, 2023 • 9 min read

The latest wave of innovation in Microsoft Industry Cloud >

Our Industry Cloud solutions are designed to enable customers and partners to adapt to the changing landscape across industries and geographies. Today, we share what we have recently delivered recently as well as a preview of what is coming in the months ahead.



[Government](#) • May 10 •

6 min read

Deliver an innovative cybersecurity approach for airports with Microsoft >

The Microsoft for Government team is dedicated to enabling governments to mitigate cybersecurity concerns by delivering a comprehensive, innovative approach to airport security.



[Energy and resources](#) • Jun 8 •

<1 min read

Implement digital transformation with the Azure Data Manager for Energy Developer tier >

With this addition, Azure Data Manager for Energy is now available in two tiers: Standard and Developer. The new tier is designed for software vendors and end users looking for more flexibility and speed in building out new applications and testing more OSDU Data Platform backed solutions.



[Financial services](#) • Jun 5 •

5 min read

Combat financial crime with AI and advanced technology from Microsoft >

With Microsoft Cloud for Financial Services, our customers are managing financial services data at scale and building solutions that improve customer experiences and operational efficiencies. With the advent of generative AI capabilities in Azure OpenAI Service, businesses can now unlock new value from their data not only to drive better customer outcomes but also to improve their protection against various kinds of financial crime—including fraud, electronic crime, and money laundering.

Microsoft Sustainability Report for 2022



2022 progress

Microsoft Cloud for Sustainability

The Microsoft Cloud for Sustainability data model centralizes emissions data from disparate sources in a shared data language—streamlining data ingestion, integration, and calculations and enabling more accurate and reliable reporting. The Microsoft Cloud for Sustainability data model initially focused on carbon and was expanded in 2022 to include water data.

Advanced policy

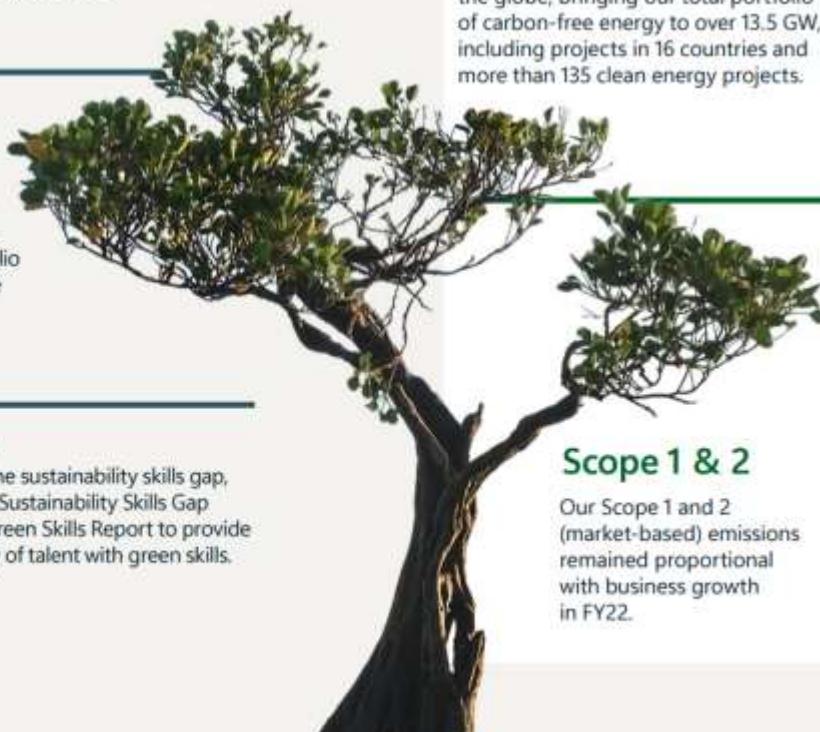
To support our policy work, we published several briefs on carbon and electricity policy to share the priorities and principles that guide Microsoft's policy advocacy work around the world.

>\$600M in climate innovation

Since its inception, Microsoft has allocated over \$600 million impact investment capital from our Climate Innovation Fund into a global portfolio of investments, featuring sustainable solutions in energy, industrial, and natural systems.

Sustainability skills gap

To better understand how to close the sustainability skills gap, Microsoft published the Closing the Sustainability Skills Gap report and LinkedIn published the Green Skills Report to provide insights into the demand and supply of talent with green skills.



Carbon

1.4M metric tons

We contracted 1,443,981 metric tons of carbon removal in FY22. We also made first-of-a-kind multi-year forward offtake commitments to carbon removal, which we view as the model for scaling this industry.

13.5 GW

In FY22, we signed new PPAs around the globe, bringing our total portfolio of carbon-free energy to over 13.5 GW, including projects in 16 countries and more than 135 clean energy projects.

Scope 1 & 2

Our Scope 1 and 2 (market-based) emissions remained proportional with business growth in FY22.

Water

15.6M m³

In FY22, we contracted for replenishment projects that are estimated to provide more than 15.6 million m³ in volumetric water benefit over the lifetime of these projects.

1M

By the end of FY22, we provided more than 550,000 people with access to clean water and sanitation solutions in Brazil, India, Indonesia, and Mexico and reached just under one million people by the end of the calendar year 2022.

Environmental justice

Environmental justice is embedded in our water access target, and we are looking for ways to be more intentional about integrating environmental justice into our replenishment investments.

Scopes explained

Scope 1
Direct emissions created by a company's activities



Scope 2
Indirect emissions from a company's activities



Scope 3
Indirect emissions from all other activities up and down the value chain

Waste

12,159 metric tons

In FY22, we diverted 12,159 metric tons of solid waste from landfills and incinerators across our direct operational footprint.

82%

Our reuse and recycle rates of servers and components across all cloud hardware reached 82 percent in FY22.

29%

We reduced single-use plastics in our Microsoft product packaging by more than 29 percent, a decrease from 4.7 percent to 3.3 percent by weight (on average) of plastic per package in FY22.

Ecosystems

12,270 acres

In FY22, we protected 12,270 acres of land in Belize. We now protect more than the 11,206 acres of land that we use.

Big game migration program

Through the NFWF Western Big Game Migration Program, we invested in projects in the American West that are vital for preserving the migration corridors of endangered and at-risk species, including mountain lions and grizzly bears.



Protecting biodiversity

Last year, we contributed to the TNC Belize Maya Forest Project (BMF) to protect an additional 236,000 acres in a global biodiversity hotspot.



Microsoft Cloud for Sustainability

Record, report, and reduce your organization's environmental impact.

Emissions Impact Dashboard

Estimate your carbon emissions related to using Microsoft cloud services—including Azure and Microsoft 365—and make more data-driven decisions about cloud usage.

Emissions Impact Dashboard

Understand and help reduce your organization's environmental impact with the Emissions Impact Dashboard.

[Explore the dashboard >](#)

GHG emissions reporting training

Explore learning modules to measure and report greenhouse gas (GHG) emissions.

[Get started >](#)

Energy efficiency training

Learn how increasing efficiencies and using less energy can help reduce your carbon emissions.

[Get started >](#)

Cloud carbon tracking for your path to net zero

Using Power BI template apps and consistent, third party-validated carbon accounting, the Emissions Impact Dashboard for Azure and the Emissions Impact Dashboard for Microsoft 365 (now in preview) help you measure your Microsoft Cloud-based emissions and carbon savings potential.

[App for Azure >](#)

[App for Microsoft 365 >](#)

The screenshot shows the Microsoft Emissions Impact Dashboard interface. It features a top navigation bar with links like 'Dashboard', 'Emissions details', 'Emissions savings', 'ESG Preparation report', 'Usage report', 'Calculate methodology', 'Learn more', 'Legal information', and 'Message API'. Below the navigation is a section titled 'Carbon Details' with a sub-section 'Microsoft carbon emissions from my company cloud usage'. It includes a dropdown for 'Subscription name' (set to 'Azure'), a map of the world showing carbon emissions by location, and a summary box stating 'Total carbon emissions (MTCO2e) 34.48'. The main area contains several charts: a line chart of 'Carbon emissions over time (MTCO2e)', a line chart of 'Usage over time', a bar chart of 'Carbon emissions annual trends', a bar chart of 'Carbon emissions annual trends by Microsoft scope', and a bar chart of 'Carbon emissions by Azure service'. To the right of the dashboard is a green landscape image with recycling arrows.

Sustainability • Jun 15 • 9 min read

Introducing new ESG data and reporting capabilities in Microsoft Cloud for Sustainability >

New tools can play a critical role in helping organizations prepare for CSRD. We're announcing powerful new reporting capabilities to help organizations collect and manage more ESG data. Microsoft Sustainability Manager, a Cloud for Sustainability solution, is being expanded to give customers fuller visibility into their environmental impact across carbon, water, and waste.

Microsoft Research Blog



Research Focus: Week of June 5, 2023 >

June 7, 2023

In this issue: Peter Lee discusses AI in medicine. Plus, new research on data inference privacy in machine learning; PII leakage in language models; and automatic prompt organization with...



3D telemedicine brings better care to underserved and rural communities, even across continents >

May 30, 2023

Providing healthcare in remote or rural areas is challenging, particularly specialized medicine and surgical procedures. Patients may need to travel long distances just to get to medical facilities and to communicate with caregivers. They may not arrive in time to receive essential information before their...



REACT — A synergistic cloud-edge fusion architecture >

May 18, 2023 | [Srinivasan Iyengar](#) and [Venkat Padmanabhan](#)

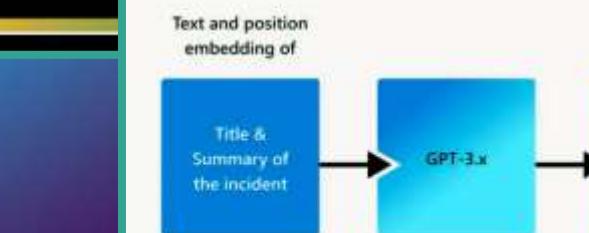
This research paper was accepted by the eighth ACM/IEEE Conference on Internet of Things Design and Implementation (IoTDI), which is a premier venue on IoT. The paper describes a framework that leverages cloud resources to execute large deep neural network (DNN) models with higher accuracy to...

MICROSOFT RESEARCH

RESEARCH FOCUS 17 | WEEK OF JUNE 5, 2023

In this issue

The GPT-x Revolution in Medicine, with Peter Lee



Large-language models for automatic cloud incident management >

May 16, 2023

This research was accepted by the IEEE/ACM International Conference on Software Engineering (ICSE), which is a forum for researchers, practitioners, and educators to gather, present, and discuss the most recent innovations, trends, experiences, and issues in the field of software engineering. The Microsoft 365 Systems...

MICROSOFT RESEARCH

RESEARCH FOCUS 16 | WEEK OF MAY 8, 2023

In this issue

- AWARD | Microsoft's [Sarah Boyd](#) awarded MIT's [Merton Prize](#)
- AWARD | Microsoft's [Nikole Immormical](#) receives 2022 SIGGRAPH Test-of-Time Award
- AWARD | Microsoft's [Loris Crocioli](#) named 2022 COPSS Emerging Leader
- AWARD | Microsoft researchers receive 'test of time' award for personalized news recommendation work

Research Focus: Week of May 8, 2023 >

May 10, 2023

In this issue: Microsoft researchers win four more awards; AutoRXN automates calculations of molecular systems; LLM accelerator losslessly improves the efficiency of autoregressive decoding; a frequency domain approach to predict power system transients.



Achieving Zero-COGS with Microsoft Editor Neural Grammar Checker >

May 18, 2023 | [Tao Ge](#), [Ting Cao](#), [Si-Qing Chen](#), and [Qiong\(Emma\) Ning](#)

Microsoft Editor provides AI-powered writing assistance to millions of users around the world. One of its features that writers of all levels and domains rely on is the grammar checker, which detects grammar errors in a user's writing and offers suggested corrections and explanations of...

Microsoft Quantum Blog

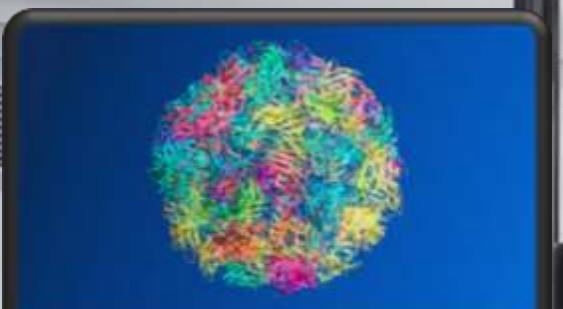


Building a quantum-safe future >

May 31, 2023 • <1 min read

By [Charles Bell](#), Executive Vice President, Security, Compliance, Identity, and Management

While the AI revolution feels like the biggest innovation in a generation, scaled quantum computing is set to disrupt many aspects of technology again — and we must prepare for it now. [Read more](#)



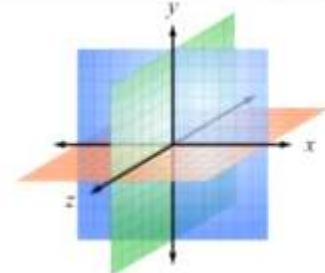
Unlocking the power of Azure for Molecular Dynamics >

June 1, 2023 • 6 min read

By [Nathan Baker](#), Senior Director, Partnerships for Chemistry and Materials

By [Nihit Pokhrel](#), Senior Applied Scientist, Chemistry and Materials

At Microsoft, we continue to invest more in our cloud HPC infrastructure so that innovators can accelerate the pace of research and discovery. [Read more](#)



Microsoft Quantum researchers make algorithmic advances to tackle intractable problems in physics and materials science >

June 8, 2023 • 4 min read

By [Yuan Su](#), Senior Researcher

By [Wim van Dam](#), Principal Researcher

In a paper recently published in PRX Quantum, Microsoft Azure Quantum researchers have developed faster algorithms for quantum simulation. [Read more](#)

2. Azure

2.1. Azure AI ^

2.1.1. AI-focused updates for Azure solutions improve productivity, efficiency

2.1.2. Operationalize generative AI responsibly with Azure Machine Learning

2.2. Azure Data ^

2.2.1. Introducing the new Microsoft Fabric, built for the era of AI

2.2.2. Power BI updates increasing speed, productivity in preview

2.2.3. Azure Cosmos DB updates improve developer productivity, optimize costs

2.2.4. Azure SQL Database lets users build and rapidly scale multiple apps

2.3. Azure Infrastructure ^

2.3.1. New features in Azure Container Storage in preview

2.3.2. Microsoft Azure Monitor managed service for Prometheus updates

2.3.3. New feature in Microsoft Cost Management lets users understand cloud costs, coming soon in preview

2.4. Azure Confidential Computing ^

2.4.1. New confidential virtual machines based on Intel Trust Domain Extensions in preview

2.4.2. Red Hat Enterprise Linux support for Azure AMD-based confidential virtual machines

2.4.3. Confidential containers on Azure Container Instances now generally available

2.4.4. New AMD-based confidential virtual machine options for Azure services in preview

2.4.5. Confidential containers on Azure Kubernetes Service now in preview

2.5. Developer Tools and DevOps ^

2.5.1. Azure Deployment Environments now generally available

2.5.2. Microsoft Dev Box introducing several new capabilities to enhance developer experience and productivity

2.5.3. GitHub Advanced Security for Azure DevOps is now in preview

2.5.4. New capabilities for Azure API Management

2.5.5. Call automation from Azure Communication Services launching soon

2.5.6. Updates to Azure Event Grid now in preview

2.5.7. Azure Linux as a container host operating system for Azure Kubernetes Service now generally available

2.5.8. Azure Container Apps introduces new capabilities for enhanced developer productivity

2.5.9. Azure Functions introduces new hosting option to build serverless, cloud-native apps

2.5.10. Azure Kubernetes Service receives multiple updates

Azure



Microsoft Fabric: Data Control end-to-end

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

Data Factory (Data Integration)

Synapse Data Engineering

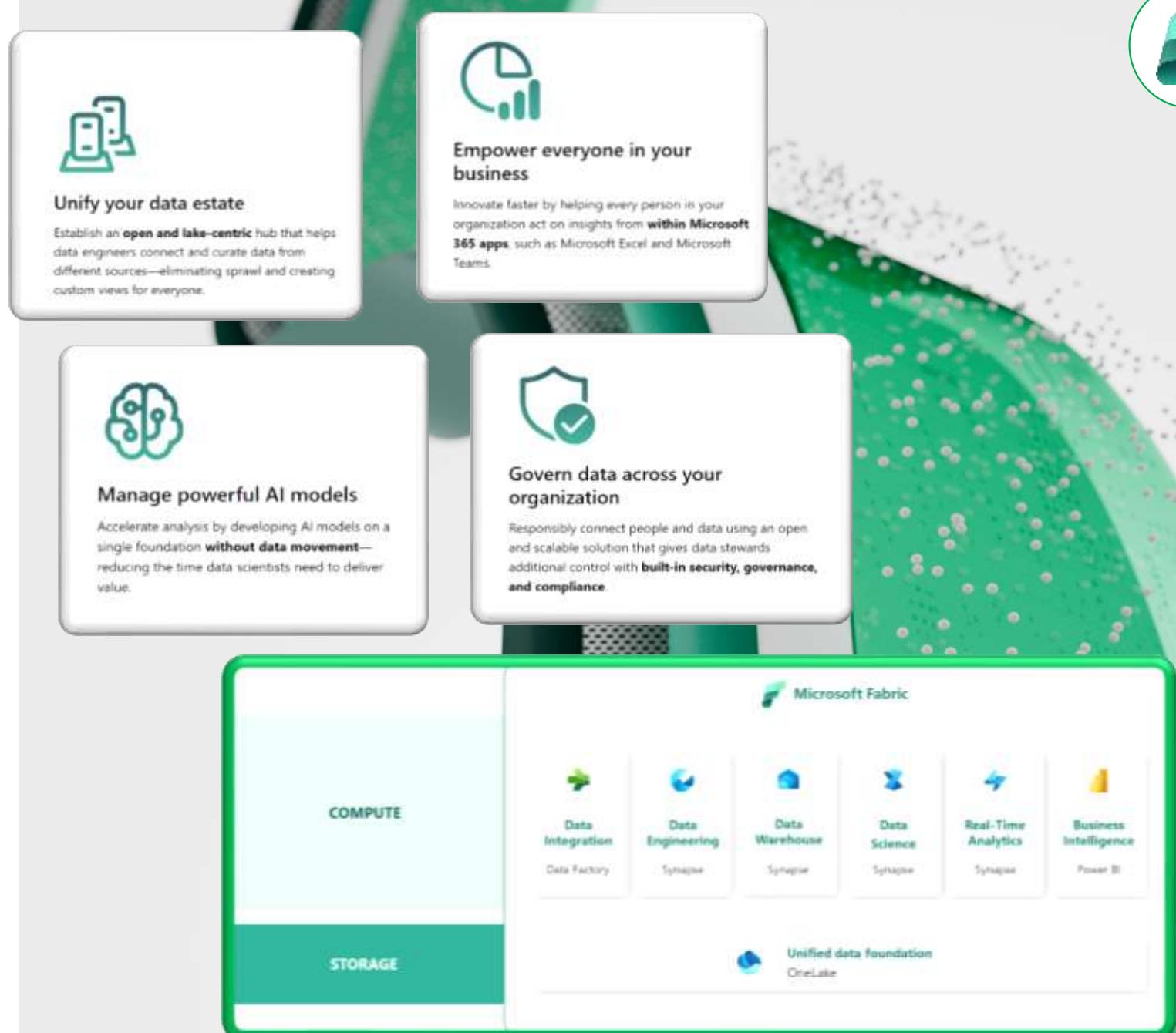
Synapse Data Warehouse

Synapse Data Science

Synapse Real-Time Analytics

Power BI (Business Intelligence)

Data Activator (*coming soon*)



Azure Updates

Azure Blog



VMs, Features, & Announcements

- [Azure OpenAI Service: 10 ways generative AI is transforming businesses](#)
- [Mercedes-Benz enhances drivers' experience with Azure OpenAI Service](#)
- [Azure Queue Storage SDK for Go](#) :: Generally Available
- [Azure HBv4 and HX Series VMs for HPC](#) :: Generally Available
- [Azure NetApp Files Availability zone volume placement enhancement](#) :: Public Preview
- [Azure Virtual Desktop Insights Powered by the Azure Monitor Agent](#) :: Public Preview
- [Custom Image Templates for Azure Virtual Desktop](#) :: Public Preview
- [Introducing NGads V620 Series VMs optimized for cloud gaming](#) :: Generally Available
- [Confidential Virtual Machines \(VM\) support in Azure Virtual Desktop](#) :: Public Preview
- [New Confidential Virtual Machines based on Intel Trust Domain Extension](#) :: Preview
- [The synergy of market leaders: Exploring Microsoft and SAP's game-changing collaboration](#)

Data, AI, Security, & Availability

- [Gartner® names Microsoft as Leader in 2023 Cloud AI Developer Services](#) :: Magic Quadrant
- [Azure OpenAI Services for government](#) :: Generally Available (Government Cloud)
- [Azure AI Content Safety](#) :: Preview
- [CosmosDB announcements - Burst capacity, materialized view, vector search, and more](#)
- [GraphQL resolvers for Azure Cosmos DB, Azure SQL in Azure API Management](#) :: Public Preview
- [Azure Monitor container insights for AKS cluster with ARM64 nodes](#) :: Generally Available

Operations & Benefits

- [Framework for Building AI Apps and Azure OpenAI API](#)
- [Understand and optimize your cloud costs with AI-powered functionality in Cost Management](#) :: Preview
- [Azure Savings Dashboard](#)
- [Implement digital transformation with the Azure Data Manager for Energy Developer tier](#)
- [Assess impact of service retirements workbook template in Azure Advisor](#) :: Public Preview

AI + Machine Learning • 8 min read

Build next-generation, AI-powered applications on Microsoft Azure >

[Jessica Hawk](#)

Corporate Vice President Data, AI, and Digital Application Product Marketing

Welcome to Microsoft Build 2023—the event where we celebrate the developer community. This year, we'll dive deep into the latest technologies across application development and AI that are enabling the next wave of innovation.

10 min read

Introducing Microsoft Fabric: Data analytics for the era of AI >

By [Arun Ulagaratchagan](#) Corporate Vice President, Azure Data

Azure Services Directory



Azure AI

Drive business results and improve customer experiences with AI solutions

Azure AI

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



Azure Cognitive Services

Add cognitive capabilities to apps with APIs and AI services

Azure Cognitive Services

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



Azure OpenAI Service

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

Azure OpenAI Service : Updates

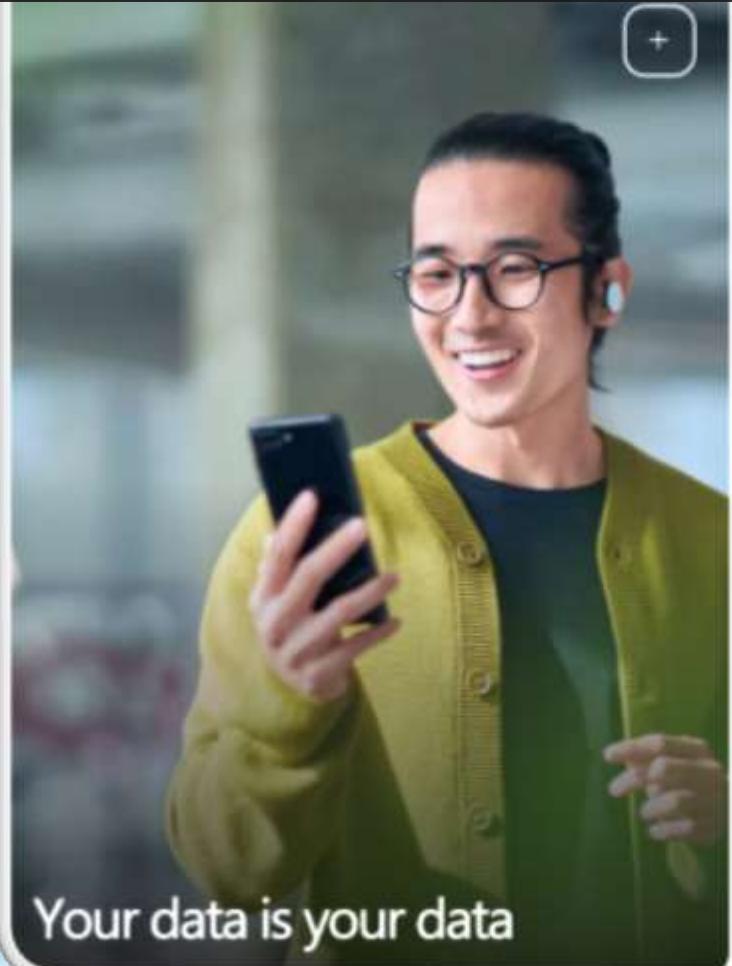
- ❖ [Power Apps with large-scale AI Models](#)
- ❖ [Apply pre-trained generative models to new scenarios](#) for language, code, reasoning, inferencing, and comprehension
- ❖ [GPT-4 now in Azure OpenAI Services](#)
- ❖ [New Service Models](#) grouped by family and capacity
- ❖ [Responsible AI – Data,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

Microsoft AI runs on Trust

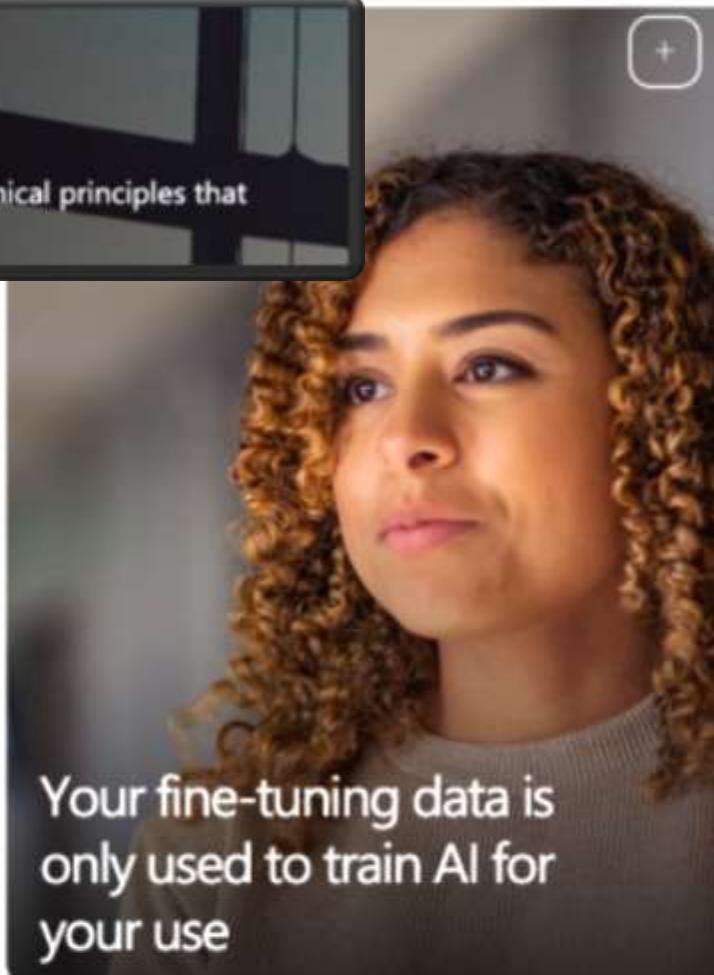


Responsible AI

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



Your data is your data

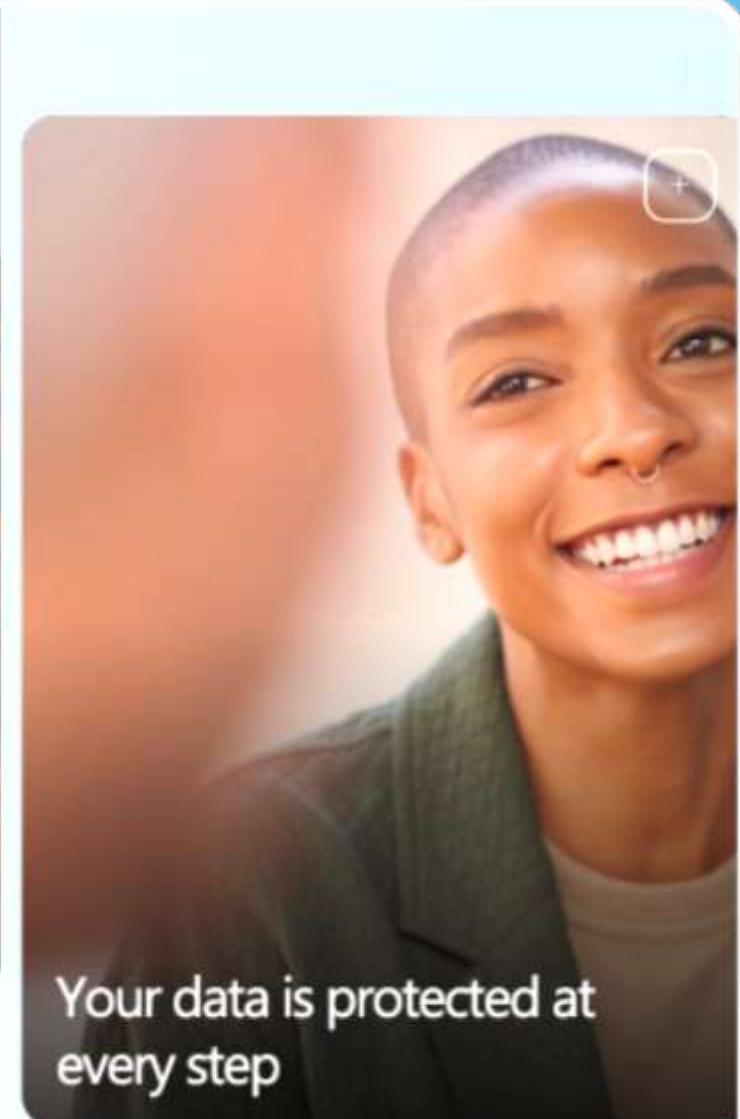


A close-up portrait of a woman with voluminous, curly brown hair. She is looking slightly to her left with a neutral expression. The background is blurred.

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

Putting principles into practice at Microsoft

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



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

Your data is protected at every step

Showcase of the Month



Microsoft Showcase Series



Inside Track

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

Jun 13, 2023 | Inside Track staff

[Using shielded virtual machines to help protect high-value assets](#)

Microsoft Digital Employee Experience (MDEE) protects our high-value corporate assets—beyond just the network. We use shielded virtual machines (shielded VMs) and Host Guardian Services (HGS) in Windows Server 2019 to isolate our data. This ensures that control and administration of infrastructure and environment remain completely isolated from control and administration of data and applications. Critical...

Jun 12, 2023 | Bonnie Darves

[Protecting Microsoft's SAP workload with Microsoft Sentinel](#)

For any large enterprise like Microsoft, monitoring threats to infrastructure and applications developing and maintaining an always-on Security Information and Event Management (SIEM) solution like Microsoft Sentinel that's equipped to ward off threats isn't only a weighty task but also a truly challenging undertaking. The threat landscape is constantly evolving, and data breaches—originating from outside...

May 30, 2023 | Josh Krenz

[Boosting Microsoft's response to cybersecurity attacks with Microsoft Sentinel](#)

Editor's note: We've republished this blog with a new companion video. Sometimes you outgrow the capabilities of a well-loved tool—that's exactly what happened to Microsoft and its on-premises Security Information Event Management (SIEM) system. Thanks to a timely assist from Microsoft Sentinel, the company hasn't missed a beat. Our old SIEM capped out at 10 billion...

May 23, 2023 | Inside Track staff

[Verifying identity in a Zero Trust model internally at Microsoft](#)

Identity-driven security is a core pillar of our Zero Trust model. Identities define the Zero Trust security boundary, and we use identity as the primary factor in how we allow access to corporate resources. When an identity tries to access any resource, we verify that identity with strong authentication, and we ensure that access is...

Jun 7, 2023 | Lukas Velush

[Doing more with less: Optimizing shadow IT through Microsoft Azure best practices](#)

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

May 25, 2023 | Lukas Velush

[Hello Azure: Unpacking how Microsoft moved its SAP workload to the cloud](#)

[Editor's note: This story on how Microsoft moved its SAP workload to the cloud has been updated with new details and updated terminology. A new SAP on Microsoft Azure video has been added below. This content was written to highlight a particular event or moment in time. Although that moment has passed, we're republishing it.]

What's new in Enterprise Skills Initiative (ESI)

Eligibility required; trainings and free offers are limited in numbers/availability



Creating a broader digital video library.

- With this library, learners can access training when they need it, within their own workflow and process, for specific opportunities and for broader organizational training initiatives.
- Recorded content could become on-demand training—playable whenever and wherever it fits into the learner's schedule.

Composing shorter delivery motions

- condensed learning opportunities
- take less time—hours instead of days
- an agile answer for those who want to concentrate on skill-building for a specific project or task.

Increasing private dedicated deliveries (if applicable)

- a curated experience, with a focus on workload- and project-based opportunities.
- We'll offer more modular courses to meet specific customer needs and to train the right participants to support business opportunities.

Evolving blended learning (if applicable).

- We expect to broaden blended learning into a more skills-based, catered experience to help companies get up and running with their projects—from individual jobs to digital transformation.
- We'd like to expand the experience to include more classes, offerings, and dedicated solutions.

Building community.

- In the new [Microsoft Learn Community](#), we plan to have learning rooms dedicated to ESI learners, where they can connect with experts and peers for quick, project-based help, deep dives on specific tech topics, and more.

Additional Program Updates

Learner Experience Portal (LxP) Gamification tile.

Beginning in July 2023, learners can select this new tile in the LxP to access and join **Microsoft Learn Cloud Games**, **Microsoft Technical Quest games**, and **30 Days to Learn It** options. This type of gamified, experiential learning has proven to be quite effective for skill-building and is very popular with learners.

Pearson VUE exam window

Pearson VUE has announced that on July 8, 2023, it will implement a new policy stating that learners can schedule certification exams **no more than 90 days in advance**. Learners with questions on this new policy should go to Pearson VUE customer service.

New ESI Agreements.

Microsoft have updated the ESI Terms & Conditions (T&Cs). Starting July 14, 2023 (for customers) and August 11, 2023 (for learners), the first time that a customer or learner attempts to sign in to the Customer Experience Portal (CxP) or the Learner Experience Portal (LxP), respectively, the applicable new agreement will appear.

Aligning to business opportunities

- Focus on better support for our Azure and Security business and for your MSX opportunities.
- Work with you and your accounts on specific MSX opportunities** where technical skill-building can help accelerate or unlock the pipeline.
- Help to **curate a skilling engagement plan for your most strategic opportunities**, making the most of our key skill-building assets and resources, including Microsoft Technical Trainers, Microsoft Learning Partners, and Microsoft Learn.

Redesigned ESI learner-level reporting to launch in FY24 (if applicable)

We're redesigning our learner-level reporting (found in the CxP) to help prevent certification expiration, with an urgency-level indicator and an expiration countdown.

This information will give organizations what they need to send their learners renewal reminders, if they choose to supplement the automated reminders that Microsoft sends.



ESI Training Journey

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

Microsoft Azure Training Journey

<https://aka.ms/ESIAzureTrainingJourney>

Microsoft Security, Compliance, and Identity Training Journey

<https://aka.ms/ESISecurityTrainingJourney>

March 2023

Azure AI Engineer Learning Pathway

www.aka.ms/pathways

Getting started

Additional Study

Role Based Certification
Azure AI Engineer

AI-102: Designing and Implementing a Microsoft Azure AI Solution

Skills Measured (AI-102)

- Plan and manage an Azure AI solution (25–30%)
- Implement image and video processing solutions (15–20%)
- Implement natural language processing solutions (25–30%)
- Implement knowledge mining solutions (5–10%)
- Implement conversational AI solutions (15–20%)

Microsoft Learn

- Prepare for AI engineering
- Process and manage Azure Cognitive Services
- Process and translate text with Azure Cognitive Services
- Process and Translate Speech with Azure Cognitive Speech Services
- Create a Language Understanding solution
- Build a question answering solution
- Build custom text analysis solutions
- Create conversational AI solutions
- Create computer vision solutions with Azure Cognitive Services
- Extract text from images and documents
- Implement knowledge mining with Azure Cognitive Search

Exam Study Guide **Course Page** **Practice Test** **Exam Page**

Azure Connected Learning Experience

Microsoft Azure Connected Learning Experience (CLX) is an experiential training program that sets a trajectory for aspiring learners and working professionals to be Azure experts. The CLX program offers a personalized journey that aims to optimize learning experience while maximizing return on time invested.

Click Here

Microsoft Virtual Training Days

Build the technical skills you need with free Virtual Training Days.

Click Here

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.

The image displays a collection of dark blue, rounded rectangular cards representing Microsoft learning modules, arranged against a dark background. In the upper right, there is a stylized graphic of a human brain with various colored regions (red, blue, purple) connected by white lines, symbolizing thought and learning. The learning cards include the following details:

- Microsoft Security, Compliance, and Identity Fundamentals:** Description: "Describe the concepts of security, compliance, and identity management." Type: LEARNING PATH. Duration: 43 min. Audience: Azure • Business User • Beginner. Rating: ★★★★ 4.8 (4.7K). Add button.
- Explore Microsoft Teams:** Type: MODULE. Duration: 49 min. Audience: Microsoft 365 • Administrator • Intermediate. Rating: ★★★★ 4.8 (4.7K). Add button.
- Get started with AI on Azure:** Type: MODULE. Duration: 34 min. Audience: Azure • AI Engineer • Beginner. Rating: ★★★★ 4.8 (4.6K). Add button.
- Introduction to Microsoft Power Platform:** Type: MODULE. Duration: 36 min. Audience: Microsoft Power Platform • Business Analyst • Beginner. Rating: ★★★★ 4.7 (24K). Add button.
- PL-900: Microsoft Power Platform Fundamentals:** Type: LEARNING PATH. Duration: 7 hr 5 min. Audience: Dynamics 365 • Business User • Beginner. Rating: ★★★★ 4.7 (24K). Add button.
- Introduction to Power BI:** Type: MODULE. Duration: 46 min. Audience: Microsoft Power Platform • Business Analyst • Beginner. Rating: ★★★★ 4.8 (13K). Add button.
- Write your first C# code:** Type: MODULE. Duration: 17 min. Audience: .NET • Developer • Beginner. Rating: ★★★★ 4.9 (20K). Add button.

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.

Digitally Transform your business with Azure OpenAI

06/21/2023 | 09:00 - 10:00 (CDT)

Digital

Workshop

Delivery language: English, with subtitles in English The rise of generative AI has the potential to...

[Show more](#)

[Registration and details](#)

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

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

Date & Time: Wed 05 Jul 2023, 01:00 PM - Thu 06 Jul 2023, 01:00 PM
Timezone: EDT

Skill Level: Beginner

[Register >](#)

Microsoft Azure Virtual Training Day: Migrate and Modernise Your Data Estate and Infrastructure

06/15/2023 | 08:00 (CDT) - 06/16/2023 | 11:20 (CDT)

Digital

Training

[Registration and details](#)



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

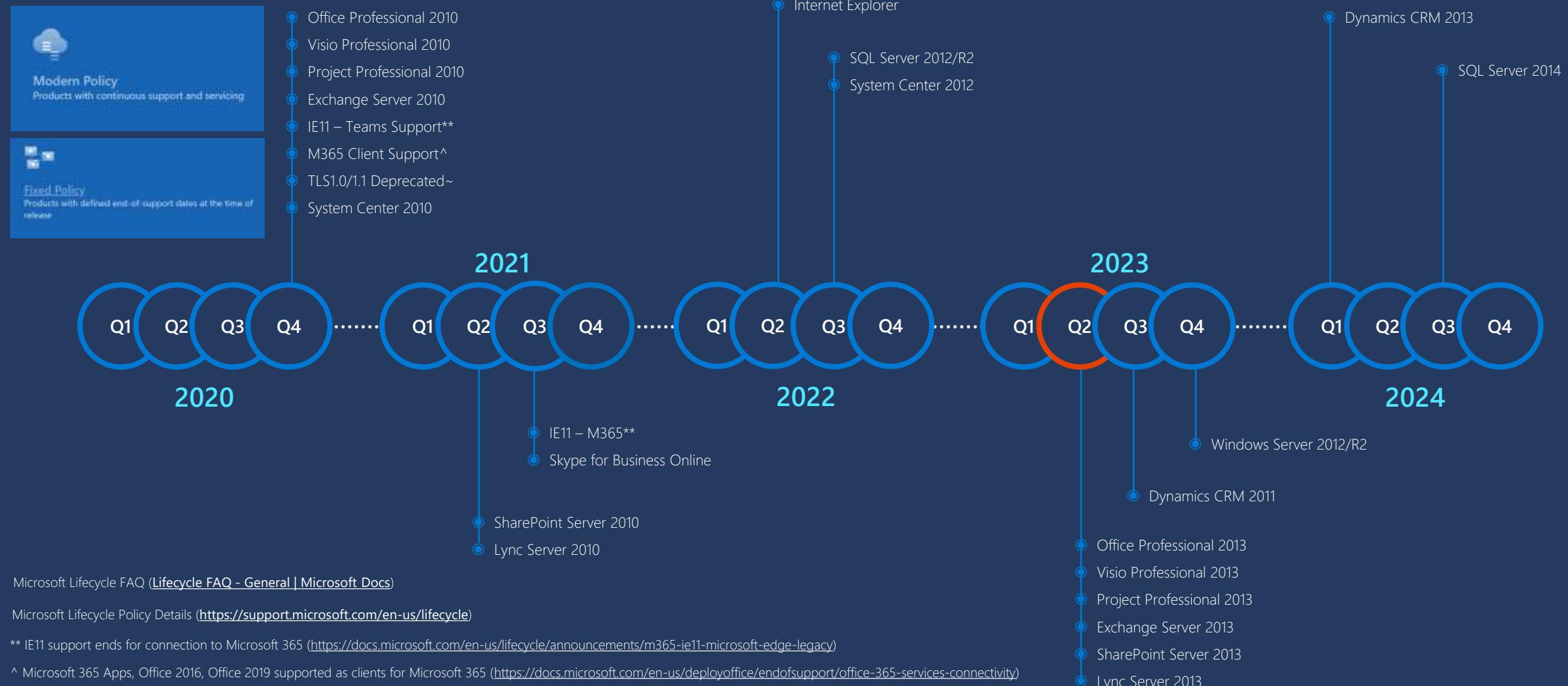
[Earn a Career Essentials in Business Analysis Professional Certificate](#)

Product Lifecycles

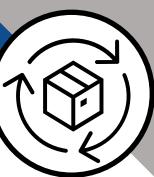




End of Service Roadmap to 2024



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
Visio Services in SharePoint (in Microsoft 365)	February 10, 2023
Microsoft Azure Virtual Machine (classic)	March 1, 2023
Kaizala	August 31, 2023
Scheduler for Microsoft 365	September 1, 2023

Products under Modern Policy that will Retire in 2024

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Azure Data Lake Storage Gen1	February 29, 2024
Azure Cloud Services (classic) Machine Learning Studio (classic)	August 31, 2024

Lifecycle data export

Export all products

Export lifecycle data for all products by clicking below:

[Export All Products](#)

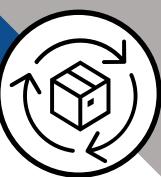
Announcements

- ⌚ Windows 10, version 22H2 end of support date updated
- ⌚ Windows 10, version 21H2 end of servicing (Home & Pro)
- ⌚ Windows 10, version 20H2 end of servicing (Enterprise, Education)
- ⌚ Microsoft Store for Business and Education retiring March 31, 2023
- ⌚ Windows Server 2012 and 2012 R2 reaching end of support
- ⌚ UPDATED: Support extended for Visio Services in SharePoint Online (aka Visio Web Access)

- ⌚ 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

[See more >](#)

Microsoft Product Lifecycle: Modern Policy Reaching End of Servicing



Products Release End of Servicing for 2023

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

Products Release End of Servicing for 2024

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Microsoft Endpoint Configuration Manager, Version 2207	February 12, 2024
Dynamics 365 Business Central on-premises (Modern Policy), 2022 release wave 2, version 21.x	April 14, 2024
Windows 10 Home and Pro, Version 22H2	May 14, 2024
Windows 10 Enterprise and Education, Version 21H2 Windows 10 IoT Enterprise, Version 21H2	June 11, 2024
Windows 11 Enterprise and Education, Version 21H2 Windows 11 Home and Pro, Version 22H2 Windows 11 IoT Enterprise, Version 21H2	October 8, 2024
PowerShell, PowerShell 7.2 (LTS-current)	November 8, 2024
Azure IoT Edge, Version 1.4 (LTS) .NET 6.0 (LTS)	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
Dynamics AX 2012 R3 Dynamics NAV 2013 Dynamics NAV 2013 R2 Internet Information Services (IIS), IIS 8.5 on Windows 8.1 Microsoft Diagnostics and Recovery Toolset 8.0 Microsoft Report Viewer 2012 Runtime Microsoft Report Viewer Redistributable 2012 Service Bus for Windows Server User Experience Virtualization (UE-V) 1.0 Visual Studio 2012 Visual Studio Team Foundation Server 2012 Windows 7, Extended Security Update Year 3* Windows 8.1 Windows Defender For Windows 8 and 8.1 Windows Embedded 8.1 Pro Windows RT Windows Server 2008, Extended Security Update Year 3 Windows Server 2008 R2, Extended Security Update Year 3 Workflow Manager 1.0	January 10, 2023	BizTalk Server 2013 BizTalk Server 2013 R2 Dynamics 365 for Customer Engagement Apps, version 9 (on-premises update), Original Release (ver 9.0) Microsoft BitLocker Administration and Monitoring 2.0 Microsoft SQL Server 2008, Extended Security Update Year 4 (Azure only) Microsoft SQL Server 2008 R2, Extended Security Update Year 4 (Azure only) Microsoft SQL Server 2012, Extended Security Update Year 1 Visual Studio 2022 , Version 17.0 (LTSC channel) Windows Embedded 8 Standard Windows Embedded 8.1 Industry	July 11, 2023
Access 2013 Dynamics GP 2013 Dynamics GP 2013 R2 Excel 2013 Exchange Server 2013 HPC Pack 2012 HPC Pack 2012 R2 Lync 2013 Microsoft Lync Phone Edition Microsoft Lync Server 2013 Microsoft Office 2013 Microsoft OneNote 2013 Outlook 2013 PowerPoint 2013 Project 2013 Project Server 2013 Publisher 2013 SharePoint Foundation 2013 SharePoint Server 2013 Skype for Business 2015 Visio 2013 Word 2013	April 11, 2023	Excel 2019 for Mac Hyper-V Server 2012 Hyper-V Server 2012 R2 Internet Explorer 7 Internet Information Services (IIS), IIS 8 on Windows Server 2012 Internet Information Services (IIS), IIS 8.5 on Windows Server 2012 R2 Microsoft Office 2019 for Mac Microsoft Office Audit and Control Management Server 2013 Outlook 2019 for Mac PowerPoint 2019 for Mac Windows Embedded Compact 2013 Windows Embedded POSReady 7, Extended Security Update Year 2* Windows Embedded Standard 7, Extended Security Update Year 3* Windows MultiPoint Server 2012 Windows Server 2012 Windows Server 2012 R2 Windows Server Update Services for Windows Server 2012 Windows Server Update Services for Windows Server 2012 R2 Windows Storage Server 2012 Windows Storage Server 2012 R2 Word 2019 for Mac	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
Dynamics CRM 2013 Microsoft Host Integration Server 2013 Visual Studio 2022 , Version 17.2 (LTSC channel) Windows Server 2008, Extended Security Update Year 4 (Azure only) Windows Server 2008 R2, Extended Security Update Year 4 (Azure only)	January 9, 2024
Microsoft Deployment Agent 2013 Microsoft Diagnostics and Recovery Toolset 8.1 Test Agent, Controller User Experience Virtualization (UE-V) 2.0 Visual Studio 2013 Visual Studio Team Foundation Server 2013	April 9, 2024
Microsoft SQL Server 2012, Extended Security Update Year 2 SQL Server 2014	July 9, 2024
Visual Studio 2022 , Version 17.4 (LTSC channel)	July 11, 2024

Microsoft 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
Dynamics GP 2018 Dynamics GP 2018 R2 Dynamics NAV 2018 Visual Studio Team Foundation Server 2018	January 10, 2023
Access 2019 Dynamics 365 Business Central on-premises (Fixed Policy) Excel 2019 Microsoft Office 2019 OneNote 2016 Outlook 2019 PowerPoint 2019 Project 2019 Publisher 2019 Visio 2019 Word 2019	October 10, 2023

Products Moving to Extended Support for 2024

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



Acquisitions and Announcements

Microsoft Acquisitions - 2023



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

Microsoft Acquisitions - 2022



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

Microsoft Acquisitions - 2021



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

Microsoft Acquisitions - 2021



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



Microsoft Acquisitions - 2020

Company	Date	Description
ZeniMax Media	09-21-2020	ZeniMax Media, the parent company of Bethesda Softworks , one of the largest privately held game developers and publishers in the world . Creators of critically acclaimed and best-selling gaming franchises including The Elder Scrolls, Fallout and many others , Bethesda brings an impressive portfolio of games, technology and talent — as well as a track record of blockbuster commercial success — to Xbox.
Orions Systems	07-07-2020	Orions Systems, a pioneer in the development of large-scale, hybrid, smart vision systems focused on “human-in-the-loop” machine teaching combined with services that can adapt to running on a single device or scale to address large scale edge-to-cloud network topologies . 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.
CyberX	06-22-2020	CyberX will complement the existing Azure IoT security capabilities and extends to existing devices including those used in industrial IoT, Operational Technology and infrastructure scenarios . With CyberX, customers can discover their existing IoT assets, and both manage and improve the security posture of those devices . 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,
ADRM Software	06-18-2020	ADRM Software is a leading provider of large-scale industry data models , 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. Together with Microsoft Azure, these capabilities will be delivered at scale , enabling our customers to accelerate digital progress, and reduce risk in a variety of major initiatives.
Softomotive	05-19-2020	Softomotive currently helps more than 9,000 global customers seamlessly automate business processes across legacy and modern desktop applications . Together with Power Automate, WinAutomation will provide customers additional options for RPA desktop authoring so anyone can build a bot and automate Windows-based tasks.
Metaswitch Networks	05-14-2020	Metaswitch Networks , a leading provider of virtualized network software and voice, data and communications solutions for 5G operators .
Corp.Com	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."
Affirmed Networks	03-26-2020	Affirmed Networks with its leadership in virtualized 5G mobile networks . 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, including autonomous vehicles, smart cities, virtual reality and a range of other smart industry use cases and services .

Microsoft Acquisitions - 2019



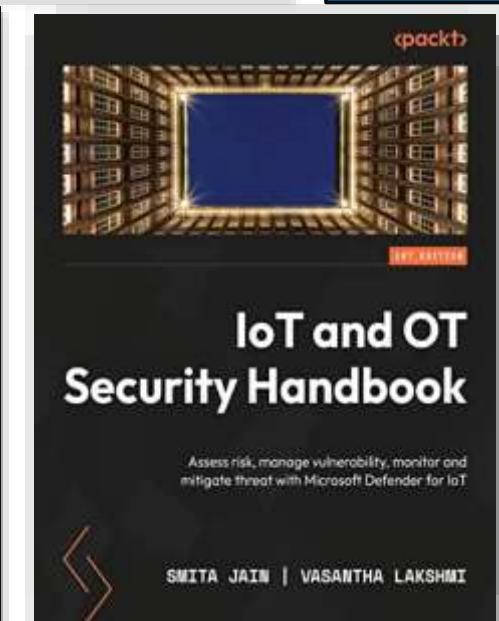
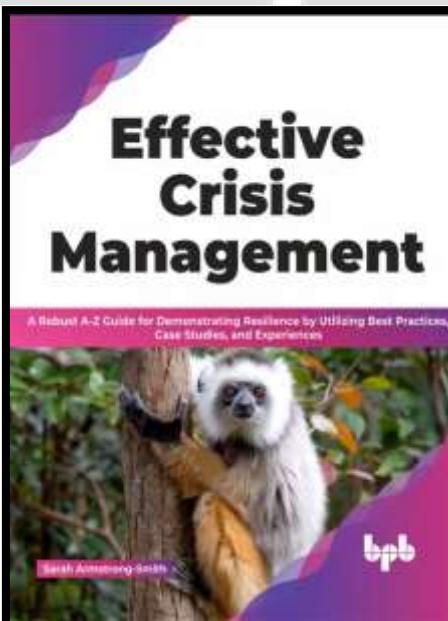
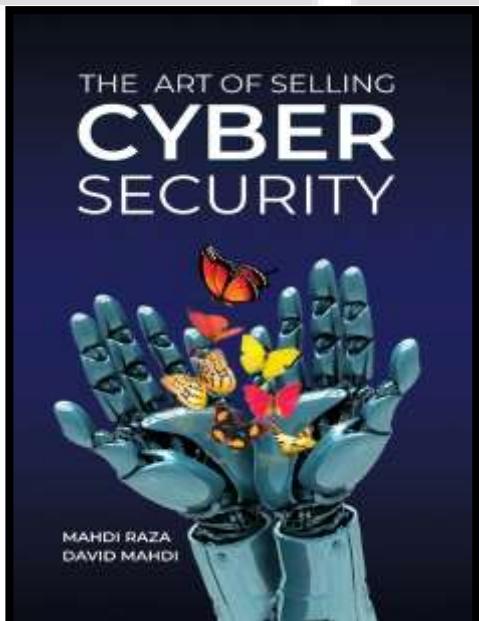
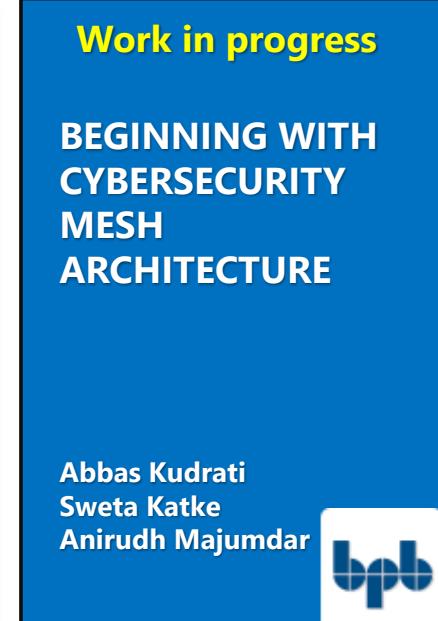
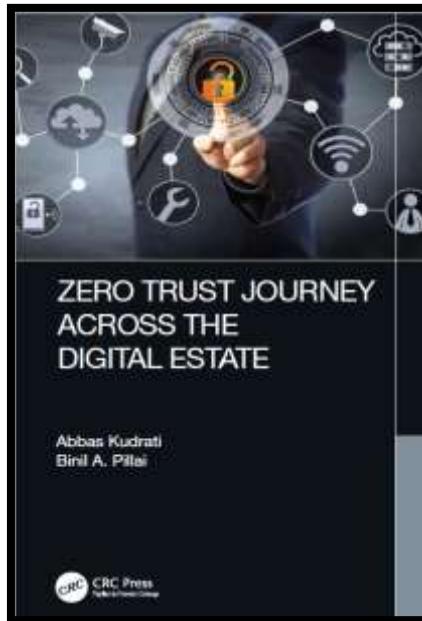
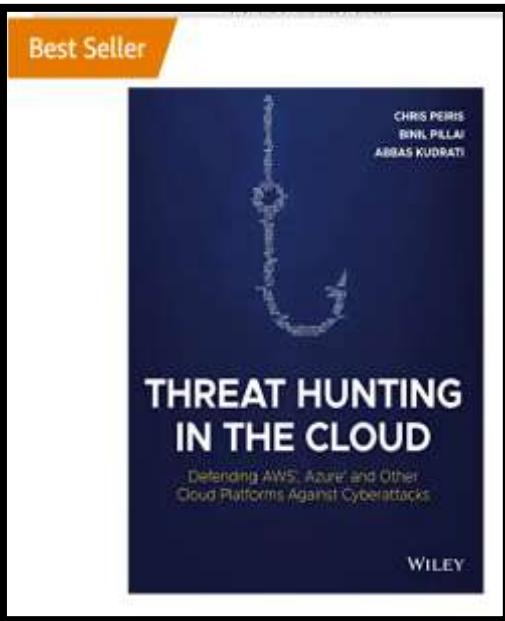
Company	Date	Description
Movere	10-21-2019	Movere accelerates cloud migrations. It increases business intelligence by accurately presenting entire IT environments within a single day , providing enterprises with the confidence they need to have visibility and control of their environments regardless of platform, application or geography as organizations grow, change and digitally optimize .
Semmle	09-18-2019	Semmle's revolutionary semantic code analysis engine allows developers to write queries that identify code patterns in large codebases and search for vulnerabilities and their variants . Semmle is trusted by security teams at Uber, NASA, Microsoft, Google , and has helped find thousands of vulnerabilities in some of the largest codebases in the world , as well as over 100 CVEs in open source projects to date.
JClarity	08-19-2019	The leading contributor to the AdoptOpenJDK project , to support their continued contributions to open source while driving increased performance for Java workloads on Azure . The team, formed by Java champions and data scientists with proven expertise in data driven Java Virtual Machine (JVM) optimizations , will help teams at Microsoft to leverage advancements in the Java platform.
PromotelQ	08-05-2019	The leading provider of vendor marketing technology to online retailers and brands . 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 Unified Data Access Control solutions for modern data platforms . 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^ helps teams create more efficient and effective code review workflows on GitHub . 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^ gives teams a better way to manage reviews, reduce turnaround times, and ship code faster .
Double Fine Productions	06-09-2019	Double Fine is a beacon of creativity and spirit in game development for almost 20 years with classic games like Psychonauts, Brütal Legend and Broken Age . 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 real time operating systems (RTOS) for IoT and edge devices powered by microcontroller units (MCUs) . Express Logic's ThreadX RTOS has over 6.2 billion deployments, making it one of the most deployed RTOS in the world per VDC Research . 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 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 within Azure to help drive the best possible learning outcomes for their students. Read more at https://educationblog.microsoft.com/en-us/2019/02/introducing-datasense-to-microsoft-educations-family-of-products/#E6CKQEBUjS35TOH4.99
Citus Data	01-24-2019	a leader in the PostgreSQL community. Citus is an innovative open source extension to PostgreSQL that transforms PostgreSQL into a distributed database, dramatically increasing performance and scale for application developers . Because Citus is an extension to open source PostgreSQL, it gives enterprises the performance advantages of a horizontally scalable database while staying current with all the latest innovations in PostgreSQL . 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 next-generation app-provisioning platform that reduces the resources, time and labor required to support virtualization . 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 software product design and development studio known for its conversational AI and bot development capabilities . The company has been paving the way in conversational AI since 2013 and was responsible for the creation of Howdy , the first commercially available bot for Slack that helps schedule meetings, and Botkit, which provides the development tools used by hundreds of thousands of developers on GitHub . Over the years, we have partnered with XOXCO and have been inspired by this work.
Obsidian	11-10-2018	The studio quickly made a name for itself with the Xbox exclusive Star Wars: Knights of the Old Republic II: The Sith Lords . 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 https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99
InXile	11-10-2018	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 . Read more at https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99
Lobe	09-13-2018	Lobe makes deep learning simple, understandable and accessible to everyone. Lobe's simple visual interface empowers anyone to develop and apply deep learning and AI models quickly, without writing code .

My Publications (Author, Contributor & Tech Editor) <https://www.amazon.com/author/abbask>





Scan this QR Code to connect
with me on LinkedIn