



Microsoft

Monthly Technical Briefing

FEBRUARY 2023



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

TE PARK EXPRESS

Microsoft at RSA Conference™

April 24–27, 2023 | San Francisco



Will you be going to RSA SFO this year ?



Dear Customer,

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

Please mark your calendar by downloading the attached file for the **Pre-day with Microsoft at RSA on Sunday, April 23, 2023, starting at 4:00PM**. We'll be kicking off the conference with Microsoft engineering and business leaders sharing their vision, insights, and the latest innovations in Microsoft Security. Join us to learn from experts and discuss the solutions and strategies that help you protect what matters most.

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

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

I hope you can join me!

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

Announcements and Tips



New trends with Microsoft Technology

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

Security and Compliance

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

Showcase of the month



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

Microsoft 365 update information



Product Lifecycles

Acquisitions and Announcements

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

the path to quantum at scale

Microsoft Quantum Innovator Series



Get the inside, first-hand account of Microsoft's strategy to scaled quantum computing. In this series, you will hear directly from Microsoft's Azure Quantum scientists and leaders about the path to quantum at scale and how to get involved today.

Next up



Dr. Chetan Nayak

Why and what is the future of the topological qubit?

February 28, 2023

Time: 9:00 AM PT | 12:00 PM ET

Duration: 30 minutes

Format: Webinar

[Register now](#)

Dr. Matthias Troyer

What kind of problems can we solve today with quantum simulation?

April 20, 2023

Time: 9:00 AM PT | 12:00 PM ET

Duration: 30 minutes

Format: Webinar

Upcoming episode



Dr. Krysta Svore

Have you started developing for practical quantum advantage?

January 31, 2023

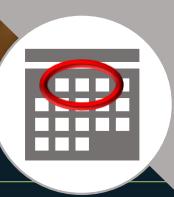
Time: 9:00 AM PT | 12:00 PM ET

Duration: 30 minutes

Format: Webinar

Join us to learn how to prepare for practical quantum advantage today. Participate in live Q&A chat with the Azure Quantum Team and be one of the first to hear about recent advancements.

- Learn what type of end-to-end system is required for scalable quantum computing and what can be done now to get ready for it.
- See the new Azure Quantum Resource Estimator - the first end-to-end toolset that provides estimates for the number of logical and physical qubits as well as runtime required to execute quantum applications on fault-tolerant quantum computers.
- Understand the number of qubits required for a quantum solution and the differences between qubit technologies that allow innovators to prepare and refine their quantum solutions to run on future scaled quantum machines and ultimately accelerate their impact.
- Explore how Microsoft is empowering innovators today by co-designing tools to optimize quantum solutions running programs on today's diverse and maturing quantum systems and preparing you for tomorrow's scaled quantum compute.

[Register now](#)

Go Beyond Data Protection with Microsoft Purview

Digital event



Home

Secure your data with a multilayered defense

Tuesday, February 7, 2023, 9:00 AM – 10:15 AM Pacific Time (UTC-7)

Reimagine what's possible in data security with new innovations from Microsoft Purview. Join this digital event, Go Beyond Data Protection with Microsoft Purview, to explore how to safeguard your data across clouds, devices, and platforms.

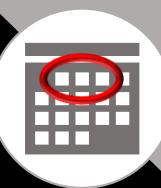
Register now to:

- Learn about exciting new Microsoft Purview capabilities that will transform how you secure your organization's data.
- See industry experts and analysts share how to stay ahead of threats to your data with a comprehensive, defense-in-depth approach.
- Hear the latest insights in data protection from Vasu Jakkal and other Microsoft Security leaders.

Plus, get all your questions answered in a live Q&A chat.

Register
now





BlueHat 2023

[FAQs/Information Page](#)

Welcome to BlueHat 2023! Please refer to the linked FAQs/Event Information Page below.

[View Event Information/FAQs >](#)



Microsoft Security Response Center

BlueHat IL

March 29-30, 2023 in Tel Aviv, Israel

[Visit BlueHat IL Conference Page >](#)

BLUEHAT 2023 | FEBRUARY 8-9

We look forward to hosting our 20th BlueHat back at Microsoft Headquarters in Redmond, WA USA.



FEBRUARY 15, 2023, 9:00 AM - 12:00 PM PT

Powerful Devs 2023

The Powerful Devs Conference will highlight how developers can leverage the Power Platform to build applications faster and with far less effort. Connect with industry recognized ProDev influencers, Microsoft Cloud Advocates, trusted and diverse community leaders, and members of the Power Platform Team. Stay tuned for more details - including speakers and session information - in the new year!

[Register here!](#)

Event Agenda

09:00 PT	Welcome with Dona Sarkar and Greg Hurlman
09:05 PT	Keynote with Charles Lamanna
09:35 PT	The Pro Devs toolbox for Power Platform integration with April Dunnam and Scott Durow
10:15 PT	Enable millions of low code devs by building custom connectors with Nitya Narasimhan and Daniel Laskewitz
10:45 PT	Use your Pro Dev skills to power up your Power Apps front end with Diana Birkelbach
11:15 PT	Integrate OpenAI with the Power Platform with Julia Kasper
11:25 PT	How to do ALM with Power Platform with Kartik Kanakasabesan and Casey Burke
11:55 PT	Wrap Up with Dona Sarkar and Greg Hurlman

The leading annual transmission and distribution event for utilities, technology providers, and industry leaders

EXPERIENCE THE ENERGY MOVEMENT

FEBRUARY 27-29, 2024

DARRYL WILLIS

Corporate Vice President, Worldwide Energy and Resources Industry

Microsoft at DISTRIBUTECH 2023:
Transform and thrive in a net-zero future >

The Microsoft Energy team is excited to share ground-breaking solutions and emerging technologies at DISTRIBUTECH International 2023, the leading annual energy transmission and distribution event for North America. [Read more](#)

Education

The 13-track conference brings industry thought-leaders from all over the world to network, share knowledge and problem solve with utilities and product and service providers. The topics covered are relevant and timely, answering the current call of the market each year.

[VIEW CONFERENCE TRACKS](#)



Imagine

Explore innovative technologies leveraging AI, Assistive Technology, and Inclusive Design to break down the barriers to push the future of inclusion and accessible technology.

Build

Join experts sharing the importance of inclusive-by-design with accessible products, services, websites, and culture, including how to make accessibility easier to achieve through tools, knowledge sharing, and next steps.

Include

Meet leaders with disabilities and allies who specialize in disability culture, workplace accommodations, organizational responsibility, and disability policy. Learn how you can amplify the perspectives of people with disabilities for a more inclusive world.

Join Ability Summit

March 8, 2023

Start your journey at Ability Summit

There are no limits to what people can achieve when technology reflects the diversity of everyone.

Ability Summit is a free digital event experience on March 8, 2023. Discover new accessible technology, learn from leaders with disabilities, and explore how accessibility empowers everyone within an organization, your community, and so much more.

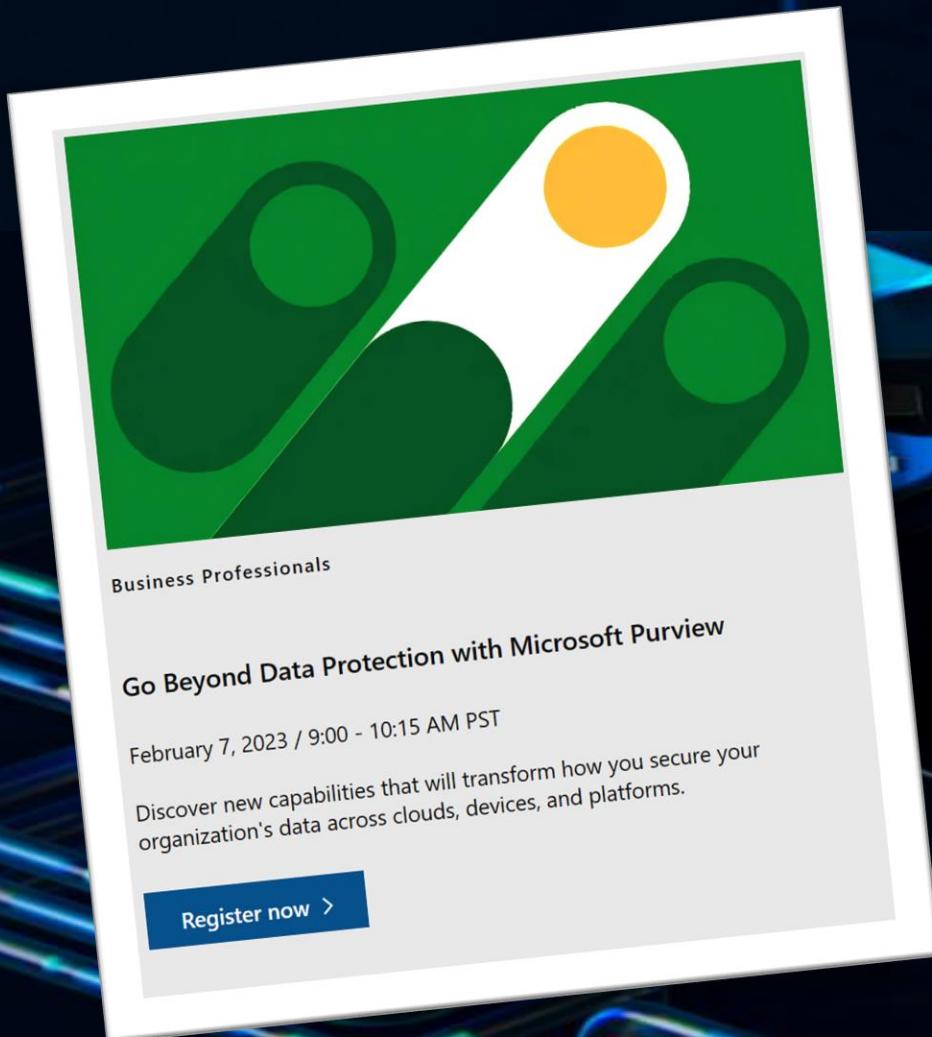
[Register today](#)

MARCH 28, 2023, 8:00 - 11:00 AM PT

Azure Cosmos DB Conf 2023

Azure Cosmos DB Conf is a free virtual developer event co-organized by Microsoft and the Azure Cosmos DB community. This is our third Azure Cosmos DB Conf. Sessions will be a combination of Microsoft and community delivered. Come and learn more about Azure Cosmos DB. See what others in the community are building.

Save the Date!



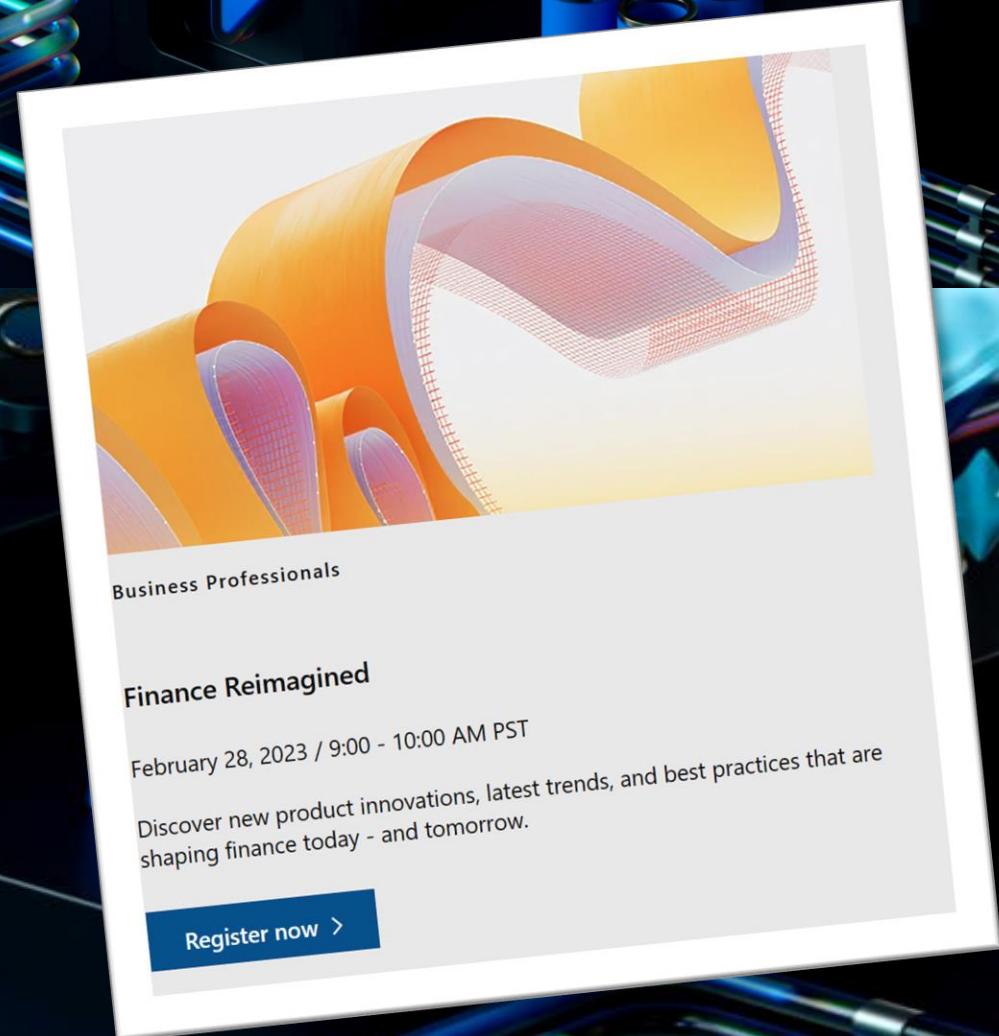
Business Professionals

Go Beyond Data Protection with Microsoft Purview

February 7, 2023 / 9:00 - 10:15 AM PST

Discover new capabilities that will transform how you secure your organization's data across clouds, devices, and platforms.

[Register now >](#)



Business Professionals

Finance Reimagined

February 28, 2023 / 9:00 - 10:00 AM PST

Discover new product innovations, latest trends, and best practices that are shaping finance today - and tomorrow.

[Register now >](#)



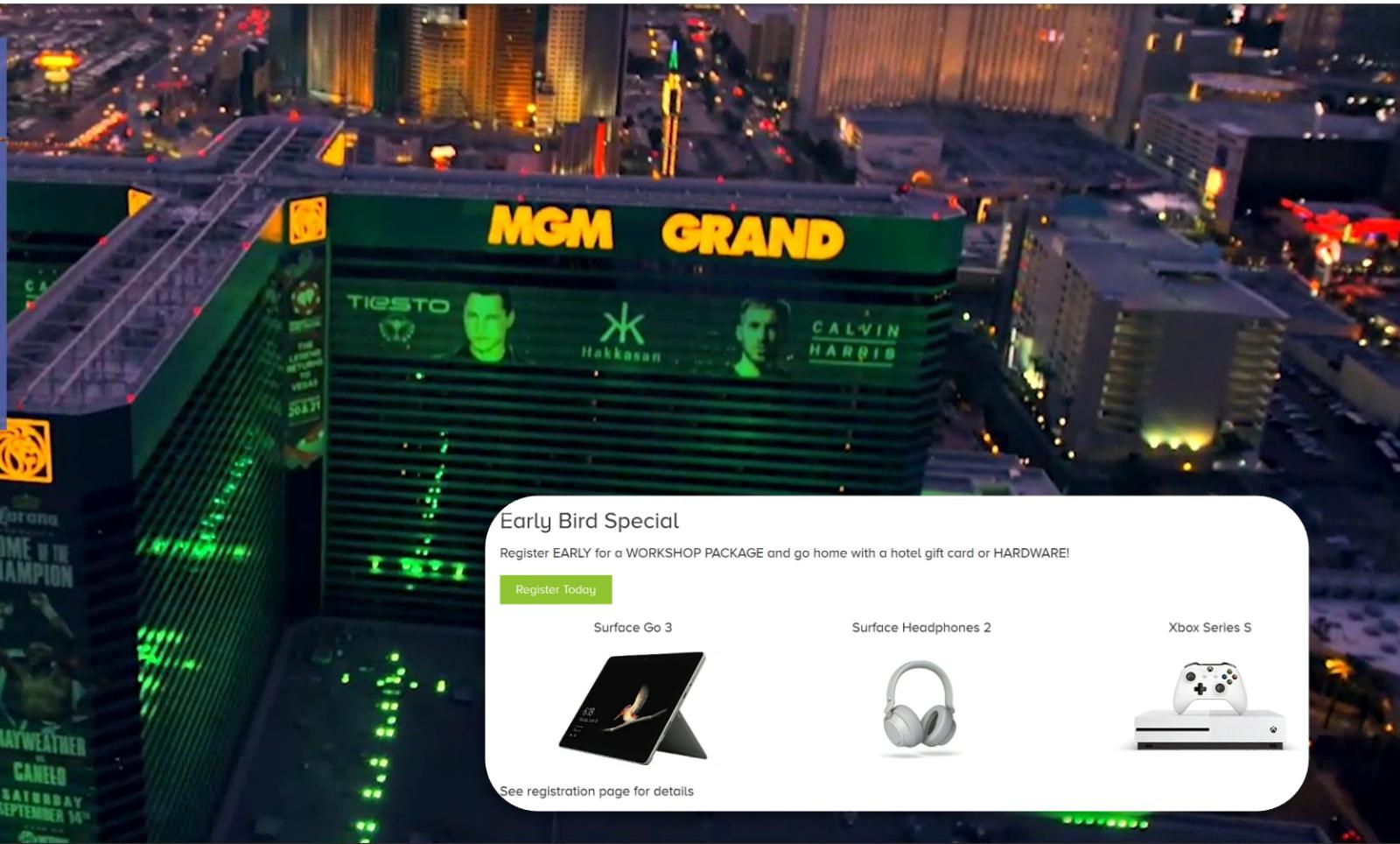
**Microsoft 365
CONFERENCE** | Microsoft Viva
Microsoft Teams
Microsoft SharePoint
Microsoft Power Platform

2023

May
2 - 4

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

REGISTER **BOOK HOTEL**



MGM GRAND

Tiesto, Calvin Harris, Hakkasan

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

Register Today

Surface Go 3, Surface Headphones 2, Xbox Series S

See registration page for details

OneDrive

Microsoft Stream

Power Apps

Power Automate

Power BI

Microsoft 3

SPEAKERS

150

SESSIONS

150

WORKSHOPS

18

EXHIBITORS

50

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

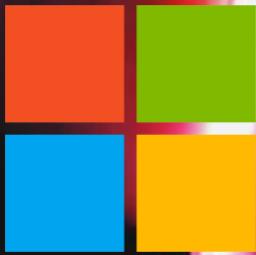
We are excited to announce the second annual **Microsoft Power Platform Conference 2023**! This event is sponsored by Microsoft and will be held in-person on October 3-5 in Las Vegas, Nevada.

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.

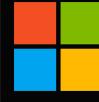
You'll have insider access to all the information, opportunities, and connections you need to further your Power Platform journey.

- **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 and OpenAI

- [Satya Nadella: Microsoft's Products Will Soon Access Open AI Tools Like ChatGPT | WSJ – YouTube Video](#)
- [Synapse Espresso: Using OpenAI GPT-3 in Synapse! – YouTube Video](#)
- [Request Access to Azure OpenAI Service](#)

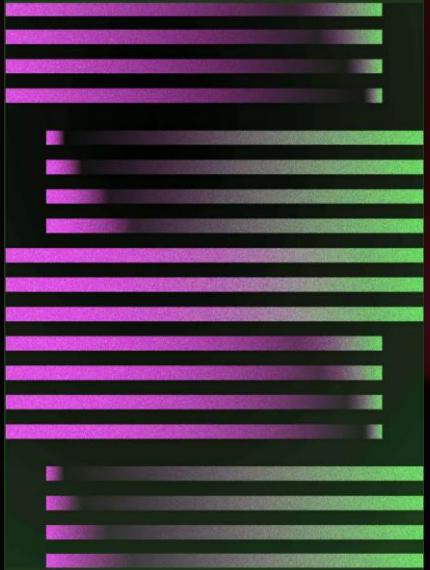


Microsoft & OpenAI Core Research



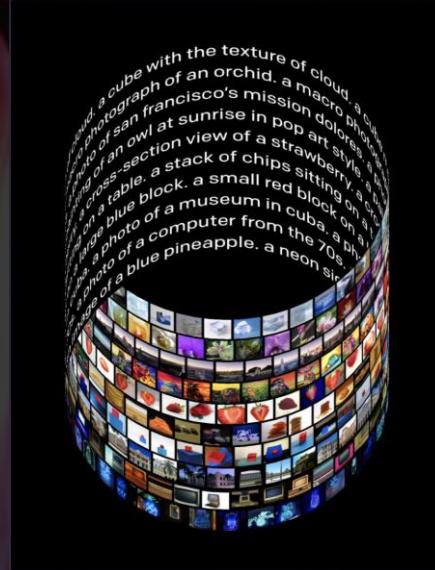
Image GPT

A large transformer model trained on pixel sequences can generate coherent image [completions](#) and [samples](#). By establishing a correlation between sample quality and image classification accuracy, our best generative model also contains features competitive with top convolutional nets in the unsupervised setting.



Jukebox

A neural net that generates music, including rudimentary singing, as raw audio in a variety of genres and artist styles. We're releasing the model weights and code, along with a tool to explore the generated samples.



DALL·E

A neural network called DALL·E that creates images from text captions for a wide range of concepts expressible in natural language.



Chat GPT

Optimized Language Model for Dialogue. It interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests.



AI-Classifier

a classifier trained to distinguish between AI-written and human-written text.



Microsoft & OpenAI



A strategic partnership to accelerate innovation in large AI models, software systems, infrastructure, applications and safety

- ❖ **Supercomputing at scale** – Microsoft will increase our investments in the development and deployment of specialized supercomputing systems to accelerate OpenAI's groundbreaking independent AI research. We will also continue to build out Azure's leading AI infrastructure to **help customers build and deploy their AI applications on a global scale**.
- ❖ **New AI-powered experiences** – Microsoft will deploy **OpenAI's models across our consumer and enterprise products and introduce new categories of digital experiences** built on OpenAI's technology. This includes Microsoft's **Azure OpenAI Service**, which empowers developers to build cutting-edge AI applications through **direct access to OpenAI models** backed by Azure's trusted, enterprise-grade capabilities and AI-optimized infrastructure and tools.
- ❖ **Exclusive cloud provider** – As OpenAI's exclusive cloud provider, **Azure will power all OpenAI workloads across research, products, and API services**.
- ❖ **More Announcements at <https://openai.com/blog>**

Getting started with Azure OpenAI Service

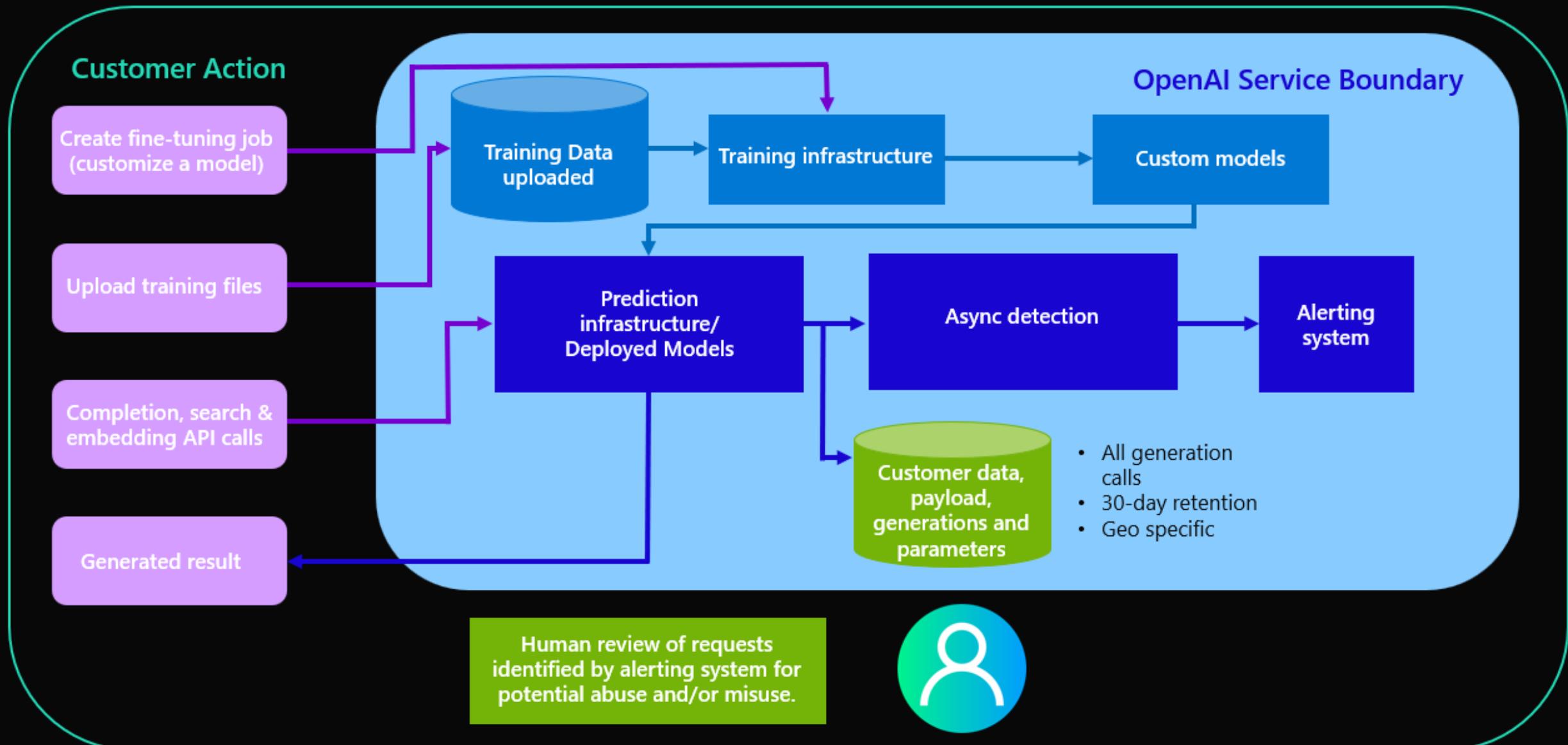
- ❖ **Learn more** about [Azure OpenAI Service](#) and more about all the [latest enhancements](#).
- ❖ **Apply for access to Azure OpenAI Service**. Once approved for use, customers can log in to the [Azure portal](#) to create an Azure OpenAI Service resource and then get started either in our Studio website or via code:
 - ❖ [How to create an Azure OpenAI Service resource](#)
 - ❖ [Quickstart: how to get started generating text](#)
- ❖ **Read the blog:** [AI and the need for purpose-built cloud infrastructure](#).

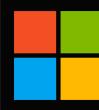
Timeline of key Microsoft AI breakthroughs



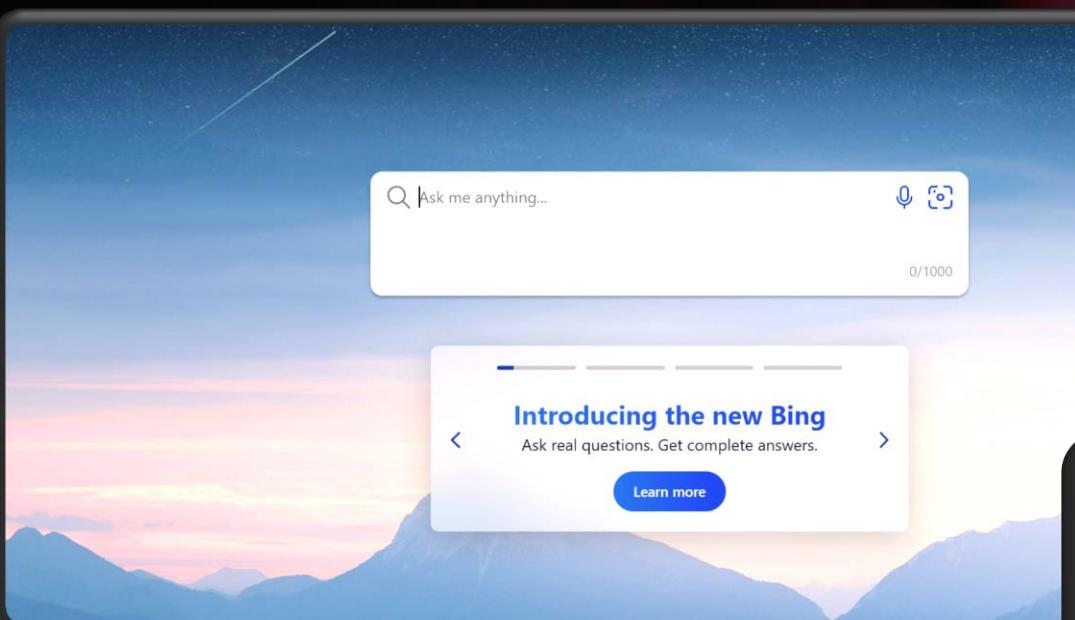
Azure Open AI Service – How data is processed

Pillar 1. Deliver Excellence with core Data Science Tools and Services





Microsoft & OpenAI for Bing



❖ **Applying AI to core search algorithm.** We've also applied the AI model to our core Bing search ranking engine, which led to the largest jump in relevance in two decades. With this AI model, even basic search queries are more accurate and more relevant.

❖ **New user experience.** We're reimaging how you interact with search, browser and chat by pulling them into a unified experience. This will unlock a completely new way to interact with the web.

The screenshot shows the Microsoft Bing search interface. At the top, there are three tabs: "SEARCH" (which is the active tab), "CHAT", and a third tab that is partially visible. Below the tabs, a search bar contains the text: "I am planning a trip for our anniversary in September. What are some places we can go that are within a 3 hour flight from London Heathrow?". A blue button labeled "Ask me anything..." is located at the bottom left of the search bar. To the right of the search bar, there is a "Feedback" link. The main content area displays a response: "Congratulations on your anniversary! 🎉 There are many places you can go that are within a 3 hour flight from London Heathrow. Here are some suggestions based on your preferences and the best destinations in Europe in September: * * *". Below this text is a bulleted list of three travel suggestions:

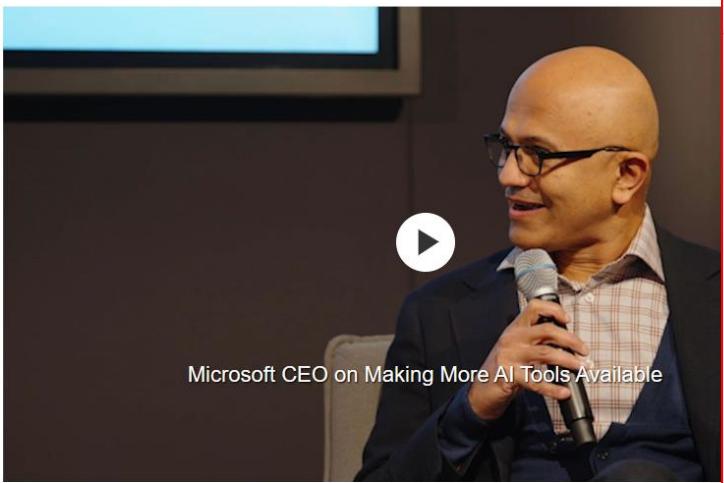
- If you like **beaches** and **sunshine**, you can fly to **Malaga** in Spain ¹, which has a pleasant climate, a lively culture, and a beautiful coastline. You can enjoy the sandy beaches, the historic monuments, and the delicious tapas. Malaga is also a great base to explore other nearby attractions, such as Granada, Seville, and Cordoba.
- If you like **mountains** and **lakes**, you can fly to **Annecy** in France ², which is a charming alpine town near the Swiss border. Annecy is known as the "Venice of France" because of its canals and bridges. You can admire the stunning scenery, visit the medieval castle, and try some local cheese and wine. Annecy is also close to Geneva, Chamonix, and Lyon, if you want to see more of the region.
- If you like **art** and **history**, you can fly to **Florence** in Italy ³, which is the birthplace of the Renaissance and a UNESCO World Heritage Site. Florence is a treasure trove of artistic and architectural masterpieces, such as the Duomo, the Uffizi Gallery, and the Ponte Vecchio. You can also explore the Tuscan countryside, taste the famous gelato, and shop for leather goods.

❖ **Next-generation OpenAI model.** The new Bing is running on a new, next-generation OpenAI large language model that is more powerful than **ChatGPT** and customized specifically for search. It takes key **learnings and advancements from ChatGPT and GPT-3.5** – and it is even faster, more accurate and more capable.

❖ **Microsoft Prometheus model.** A proprietary way of working with the OpenAI model that allows us to best leverage its power. We call this **collection of capabilities and techniques the Prometheus model**. This combination **gives you more relevant, timely and targeted results, with improved safety**.

Microsoft Plans to Build OpenAI, ChatGPT Features Into All Products

Offering for businesses and end users to be transformed by incorporating tools like ChatGPT, CEO Satya Nadella says



Microsoft CEO on Making More AI Tools Available

Speaking at WSJ's Journal House during the 2023 World Economic Forum, Microsoft CEO Satya Nadella discusses the company's expanded AI tools and the growing capabilities of ChatGPT.

By Sam Scheckner [Follow](#)

Updated Jan. 17, 2023 12:37 pm ET

<https://blogs.microsoft.com/blog/2023/01/23/microsoftandopenaiextendpartnership/>

Microsoft and OpenAI extend partnership

Jan 23, 2023 | [Microsoft Corporate Blogs](#)



Today, we are announcing the third phase of our long-term partnership with OpenAI through a multiyear, multibillion dollar investment to accelerate AI breakthroughs to ensure these benefits are broadly shared with the world.

This agreement follows our previous investments in 2019 and 2021. It [extends our ongoing collaboration](#) across AI supercomputing and research and enables each of us to independently commercialize the resulting advanced AI technologies.

- **Supercomputing at scale** – Microsoft will increase our investments in the development and deployment of specialized supercomputing systems to accelerate OpenAI's groundbreaking independent AI research. We will also continue to build out Azure's leading AI infrastructure to help customers build and deploy their AI applications on a global scale.
- **New AI-powered experiences** – Microsoft will deploy OpenAI's models across our consumer and enterprise products and introduce new categories of digital experiences built on OpenAI's technology. This includes Microsoft's [Azure OpenAI Service](#), which empowers developers to build cutting-edge AI applications through direct access to OpenAI models backed by Azure's trusted, enterprise-grade capabilities and AI-optimized infrastructure and tools.

Meeting the AI moment: advancing the future through responsible AI

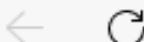
Feb 2, 2023 | [Brad Smith - Vice Chair & President](#)



Early last summer, a small group of senior leaders and responsible AI experts at Microsoft started using technology from OpenAI similar to what the world now knows as ChatGPT. Even for those who had worked closely with the developers of this technology at OpenAI since 2019, the most recent progress seemed remarkable. AI developments we had expected around 2033 would arrive in 2023 instead.

Looking back at the history of our industry, certain watershed years stand out. For example, internet usage exploded with the popularity of the browser in 1995, and smartphone growth accelerated in 2007 with the launch of the iPhone. It's now likely that 2023 will mark a critical infection point for artificial intelligence. The opportunities for people are huge. And the responsibilities for those of us who develop this technology are bigger still. We need to use this watershed year not just to launch new AI advances, but to responsibly and

Click on the image and follow the link to read these blogs



Search docs

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Microsoft Confidential

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- ⊕ 3. Set Up Compute for Endpoint Deployment
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Getting Started

<https://tprompt-docs.azurewebsites.net/gettingstarted/index.html>

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- 2. Retrieval Augmented Generation
 - 2.1. Set Up Your Azure ML Workspace
 - 2.2. Prepare Your Documentation Data
 - 2.3. Option 1: Deploy with Python SDK
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- 4. Components
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 - 4.2. Embedding Model Selector
 - 4.3. Embedding Generator using Endpoints
 - 4.4. Embedding Generator
 - 4.5. TPrompt Deployment Processor

☰ README.md

This repository contains the implementation of [BioGPT: Generative Pre-trained Transformer for Biomedical Text Generation and Mining](#), by Renqian Luo, Lai Sun, Yingce Xia, Tao Qin, Sheng Zhang, Hoifung Poon and Tie-Yan Liu.

News!

- BioGPT-Large model with 1.5B parameters is coming, currently available on PubMedQA task with SOTA performance of 81% accuracy. See [Question Answering on PubMedQA](#) for evaluation.

Requirements and Installation

- PyTorch version == 1.12.0
- Python version == 3.10
- fairseq version == 0.12.0:

```
git clone https://github.com/pytorch/fairseq
cd fairseq
git checkout v0.12.0
pip install .
python setup.py build_ext --inplace
cd ..
```

- Moses

```
git clone https://github.com/moses-smt/mosesdecoder.git
export MOSES=${PWD}/mosesdecoder
```

- fastBPE

```
git clone https://github.com/glample/fastBPE.git
export FASTBPE=${PWD}/fastBPE
cd fastBPE
g++ -std=c++11 -pthread -O3 fastBPE/main.cc -IfastBPE -o fast
```

- sacremoses

Request Access to Azure OpenAI Service

* Required

Please read all instructions carefully and complete form as instructed

Thank you for your interest in Azure OpenAI Service. **Please submit this form to register for approval to access and use Azure OpenAI's Limited Access text and code and/or DALL-E 2 text to image models (as indicated in the form). All use cases must be registered.** Azure OpenAI Service requires registration and is currently only available to Microsoft managed customers and partners. Learn more about limited access to Azure OpenAI Service [here](#).

Limited access scenarios: When evaluating which scenarios to onboard, we consider who will directly interact with the application, who will see the output of the application, whether the application will be used in a high-stakes domain (e.g., medical), and the extent to which the application's capabilities are tightly scoped. In general, applications in high stakes domains will require additional mitigations and are more likely to be approved for applications with internal-only users and internal-only audiences. Applications with broad possible uses, including content generation capabilities, are more likely to be approved if 1) the domain is not high stakes and users are authenticated or 2) in the case of high stakes domains, anyone who views or interacts with the content is internal to your company.

Please be sure to visit the [Azure OpenAI Service's transparency note](#), which provides information and guidelines for responsible use of the service as well as system limitations that may be applicable to your scenario.

Possible causes for a denied application:

- 1) You are not a managed customer. Learn more [here](#)
- 2) Application submitted with personal email (Example: [@gmail.com](#), [@yahoo.com](#), [@hotmail.com](#), etc.)
- 3) A scenario we are not yet supporting because of higher potential for misuse, such as a content creation application open to unauthenticated users who can generate unconstrained content on any topic

Updates about your onboarding request: If you applied for Azure OpenAI text or code models, we will reply within approximately 10 business days. We are unable to offer timelines for DALL-E. Please add [maccount@microsoft.com](#) and [csgate@microsoft.com](#) to your Safe Senders list to ensure you receive all correspondence pertaining to your application, including the verification email from Microsoft Vetting Service. For questions about the application process,

Bio GPT for HealthCare

<https://github.com/microsoft/BioGPT>

[Request Access to Azure OpenAI Service](#)
[\(microsoft.com\)](#)

ChatGPT in Microsoft Teams



[Blog home](#) / Microsoft Teams

February 1, 2023

By Nicole Herskowitz, Vice President, Microsoft Teams

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

As we face economic uncertainties and changes to work patterns, organizations are searching for ways to optimize IT investments and re-energize employees to achieve business results. Now—more than ever—organizations need solutions to adapt to change, improve productivity, and reduce costs. Fortunately, modern tools powered by AI hold the promise to boost individual, team, and organizational-level productivity and fundamentally change how we work.

This promise is rapidly becoming a reality. At Microsoft, we're working to incorporate new, AI-powered capabilities across our consumer and enterprise products, including Microsoft Teams.

As part of this continuous innovation, I'm excited to share that [Microsoft Teams Premium](#) is generally available. Built on the familiar, all-in-one collaborative experience of Microsoft Teams, Teams Premium brings the latest technologies, including Large Language Models powered by OpenAI's GPT-3.5, to make meetings more intelligent, personalized, and protected—whether it's one-on-one, large meetings, virtual appointments, or webinars.¹

[Facebook](#) [Twitter](#) [LinkedIn](#)

Microsoft 365
PowerPoint
Hybrid Work

Microsoft Teams Premium Launches with New OpenAI's GPT Powered Features to Boost Productivity



Rabia Noureen | FEB 2, 2023 [Twitter](#) [RSS](#)



Microsoft has announced that Teams Premium is now generally available for enterprise customers. The new add-on subscription, powered by OpenAI's GPT-3.5 technology, brings advanced webinar capabilities to improve the collaboration and

Click on the image and follow the link to read these blogs

ChatGPT for Incident Management: A Step-by-Step Guide to Integrating with Microsoft Sentinel

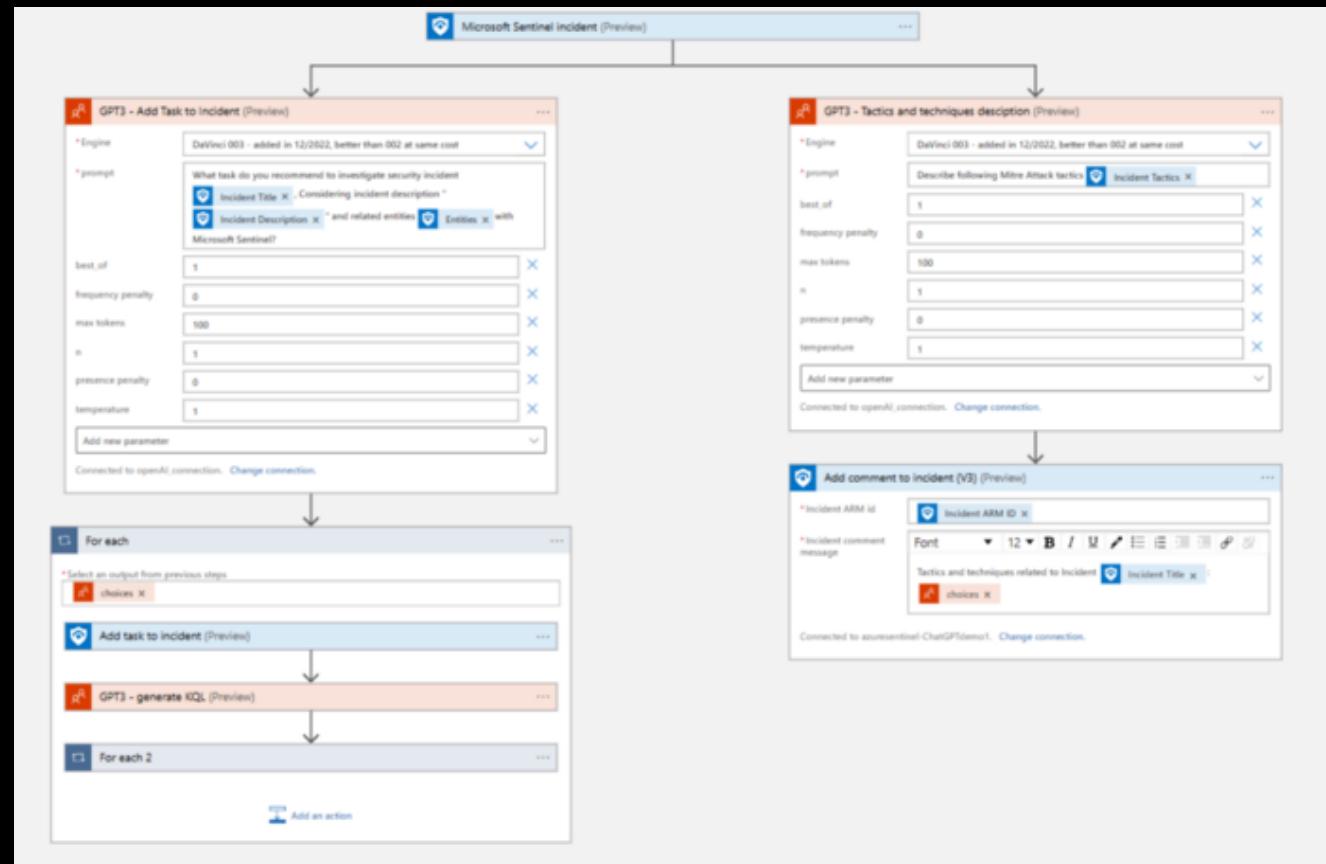
https://medium.com/@antonio.formato/chatgpt-and-microsoft-sentinel-simplify-the-incident-handling-process-7f1c6a1ed925

Search Medium

ChatGPT and Microsoft Sentinel — simplify the incident handling process

Today, I'm excited to share my experience testing the integration of ChatGPT with Microsoft Sentinel. My goal with this integration was twofold: to have some fun experimenting with this cutting-edge technology and to explore how it could be used to empower security analysts in incident handling. By harnessing the power of ChatGPT, I believe it is possible to speed up and simplify the incident handling process, making it more efficient and effective for all involved.

As I researched this topic, I read several blog posts and experiments about the integration of ChatGPT with Microsoft Sentinel. I found these resources to be incredibly valuable as they provided insight into how others have approached this topic and what they have discovered through their own experimentation. These resources also gave me inspiration for my own testing and helped me to think more critically about the potential benefits and limitations of using ChatGPT in incident handling. Overall, reading these other blog posts and experiments was a crucial step in my own journey to understanding the capabilities and potential of this technology. (please find some references at the end of the post).



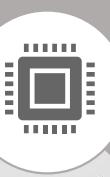
Click on the image and follow the link to read these blogs

Updates of Security and Compliance



Monitoring Global Threats: Microsoft

Microsoft Security Response Center



Global threat activity

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

Most affected industries

Reported enterprise malware encounters in the last 30 days

Financial services and insurance

Show all industries >

Devices with encounters:
138,283 (1.84%)

Most affected industries

Reported enterprise malware encounters in the last 30 days



January 26, 2023 • 9 min read

2023 identity security trends and solutions from Microsoft

Learn about the latest types of identity-based cyberattacks and how your organization can create an integrated, layered defense.

Financial services and insurance ▾

Top threats:

Behavior:Win32/InitialAccess.A!ml
Exploit:Win32/CplLnk.A
Exploit:Win64/CVE-2022-21882.A!MTB
HackTool:MSIL/SharpHound!MTB
HackTool:Win32/Mimikatz!MSR

February 8, 2023 • 2 min read

Solving one of NOBELIUM's most novel attacks: Cyberattack Series

This is the first in an ongoing series exploring some of the most notable cases of the Microsoft Detection and Response Team (DART), which investigates cyberattacks on behalf of our customers. The Cyberattack Series takes you behind the scenes for an inside look at the investigation and share lessons that you can apply to better protect your own organization. In this story, we'll explore how NOBELIUM continues to target identity providers with novel attacks—and how Microsoft DART identified one of NOBELIUM's most creative exploits yet.

Worldwide

75,090,057 devices with encounters

Top threats:

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

Microsoft Investigation – Threat actor consent phishing campaign abusing the verified publisher process

MSRC / By msrc / January 31, 2023

Summary On December 15th, 2022, Microsoft became aware of a consent phishing campaign involving threat actors fraudulently impersonating legitimate companies when enrolling in the Microsoft Cloud Partner Program (MCPP) (formerly known as Microsoft Partner Network (MPN)). The actor used fraudulent partner accounts to add a verified publisher to OAuth app registrations they created in Azure ...

Read More »

Select a region ▾

February 6, 2023 • 8 min read

Introducing Adaptive Protection in Microsoft Purview—People-centric data protection for a multiplatform world

Learn how machine learning in Microsoft Purview enables people-centric data protection and saves your security teams time.

[Read more >](#)

January 23, 2023 • 3 min read

Digital event highlights new features in Microsoft Purview

Discover new data protection innovations, get best practices, and explore the latest research and insights at the Microsoft Purview digital event.

January 26, 2023 • 16 min read

Introducing kernel sanitizers on Microsoft platforms

We share technical details of our work on the AddressSanitizer (ASAN) and how it contributes to durably improving software quality and security at Microsoft.

February 2, 2023 • 5 min read

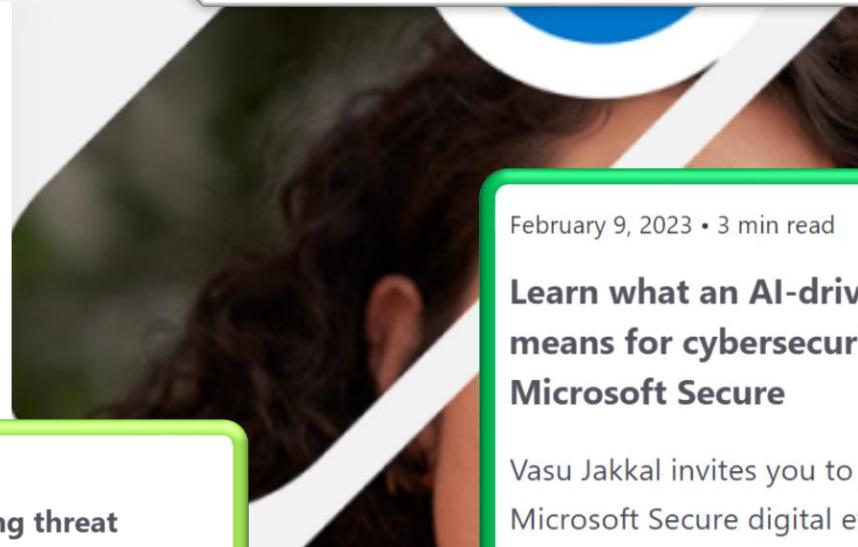
Mitigate risk by integrating threat modeling and DevOps processes

Are you wondering how you can effectively integrate threat modeling with your DevOps practice to maximize value and shift-left security? We have collected a few ideas for you, with the help of a few leading security experts.

January 23, 2023 • 8 min read

Microsoft Security innovations from 2022 to help you create a safer world today

Learn about the more than 300 Microsoft Security innovations launched in 2022, and how we're making cybersecurity more inclusive and representative of our communities.



February 9, 2023 • 3 min read

Learn what an AI-driven future means for cybersecurity at Microsoft Secure

Vasu Jakkal invites you to join us at the Microsoft Secure digital event to discover exciting product announcements and what an AI-driven future means for cybersecurity.

Jan 16
3:32 PM

SAP - Capture-replay vulnerability in a Production system
High | Detected by Microsoft Sentinel | Tactics: Credential Access

[Detect capture-replay vulnerabilities & exploits with t...](#)

OferInbar in Microsoft Sentinel Blog Feb 03 2023
04:22 AM

With CVE-2023-0014, we learn of a weakness in the remote function call (RFC) framework of ...



Microsoft 365 update information



Microsoft & OpenAI :: Teams Premium



Focus on what matters with AI-powered meetings, including GPT from OpenAI

With a 252 percent increase in weekly time spent in meetings in the first two years of the pandemic, we needed to find ways to “work smarter, not harder.” Both the pace of work and the amount of information needed to sift through have grown exponentially, especially with meetings. There’s a ton of time-consuming administrative work during meetings, like taking notes, figuring out important takeaways, and capturing the right action items and owners.

That’s why Teams is infusing AI throughout the meeting experience, helping you be more productive in new ways. With **intelligent recap** in Teams premium, you’ll get automatically generated meeting notes, recommended tasks, and personalized highlights to help you get the information most important to you, even if you miss the meeting.

AI Powered Teams Premium

- ❖ With **intelligent recap** in Teams premium, you’ll get automatically generated meeting notes, recommended tasks, and personalized highlights to help you get the information most important to you, even if you miss the meeting.
 - ❖ **AI-generated chapters** divide the meeting into sections so it’s easy to pick and choose the content most relevant to you. This is available today for PowerPoint Live meeting recordings. Intelligent recap will automatically generate meeting chapters based on the meeting transcript as well.
- ❖ Available today, **personalized timeline markers**—that only you can see—call out when you joined or left a meeting in the meeting recording, so you can quickly click and listen in on what you missed.
- ❖ **speaker timeline markers** that show you who spoke during the meeting, when they spoke, and allows you to jump to that moment.
- ❖ **Microsoft Enterprise Content Deliver Network (eCDN)** is now included in Teams Premium. With Microsoft eCDN, organizations can seamlessly and securely live stream global meetings, all-hands gatherings, and town halls, and distribute company-wide trainings using Teams Live Events.

Protected meetings

Teams Premium provides additional ways to safeguard meetings with the following key features:

- **Sensitivity labels** - Extended capabilities for sensitivity labels to control meeting settings normally controlled by the meeting organizer. These capabilities include new settings to control lobby, chat, chat copy, presentation, and recording functions.
- **Watermarking** - Enforced through a sensitivity label. Watermarks display the email address of a meeting participant, which is useful for protecting confidential information shared in meetings.
- **End-to-end encryption** - Enforced through a sensitivity label. End-to-end encryption provides increased security for meetings that require a higher level of protection.

Custom meetings

Teams Premium provides the following additional features for customizing meetings:

- **Meeting templates** - Used to control meeting settings that the meeting organizer normally controls. With templates, you can create consistent meeting experiences in your organization and help enforce compliance requirements and business rules.
- **Meeting themes** - Allows your organization to extend their visual identities across the meeting experience. You can set up and create meeting themes for a variety of business units and departments within a single tenant.
- **Custom meeting backgrounds for organizations** - You can create and define custom meeting backgrounds that are then available to your end users with a Teams Premium license.
- **Custom together mode scenes for organizations** - You can create, customize, or accept custom together mode scenes for meetings that are then available to your end users with a Teams Premium license.

Premium events

Teams Premium provides an advanced webinar experience for your users with the new Teams Events policy. While continuing to support registration and tracking, the new policy will also provide functionality for meeting hosts and organizers, such as:

- **Terms and conditions custom question** - To present to attendees.
- **Presenter bio** - To include information about presenters.
- **Banner, logo, and predefined color** - To present a customized visual webinar experience.
- **Advanced registration capabilities** - Including manual approval, waitlist, registration date and time limit.
- **Registration overview and management** - For each event, a summary of registration status with lists of attendees in different registration states--depending on which registration features have been enabled.

Microsoft Teams Blog:



What's New in Microsoft Teams | January 2023

What's New in Microsoft Teams | January 2023

Holly Lehman on Jan 31 2023 06:00 AM

Welcome to the "What's New" blog for January 2023. We are excited to share the latest enhancements made for meetings and...

New for This Month:

- [Microsoft Teams Premium :: Generally Available](#)
- [Meeting Toolbar Usability Improvements](#)
- Live stream Teams meetings and webinars to Meta Workplace Live
- Enhanced webinar management experience with customized options
- Federated group calling

Rooms and Devices:

- [Start Whiteboard from Teams meeting for Teams Rooms on Windows](#)
- [Meeting chat on Gallery, Large gallery, and Together mode for Teams Rooms on Windows](#)
- [Poly CCX350 IP Desk Phone](#)

Chat and Collaboration:

- View the full chat conversation thread after clicking on search message results
- Frontline workers using shared devices can use Outlook and [Power Apps on Android](#) alongside Teams

Management:

- Edit and delete events support for messages in user: bot chats
- Upload files to your approval request via Power Automate portal
- Notification granularity

I Didn't Know Teams Phone Did That!

Microsoft Teams Phone makes on-the-go easier

Pete_Daderko on Jan 26 2023 08:00 AM

I'm looking for practical ways to make life a little easier, which is why I'm continually impressed with all the feature...

Teams Premium:

- Teams Premium brings the latest technologies, including Large Language Models powered by [OpenAI's GPT-3.5](#),
- Meetings are more intelligent, personalized, and protected—whether it's one-on-one, large meetings, virtual appointments, or webinars.
- Create [personalized meetings](#) in a snap that embody your company brand.
- **AI Powered Meetings:**
 - Stay informed of follow-up plans through [intelligent recap](#) and [AI-generated Tasks](#)(coming soon).
 - automatically generated chapters and personalized recording highlights.
 - [Improved Transcript Search](#)
 - [Translate captions during meetings](#) - reduce language barriers in meetings with live translated captions.
- **Security:**
 - [Watermark shared content and video feeds](#) to help prevent leaks and keep sensitive information inside meetings.
 - [Designate who can record meetings](#), and enable end-to-end encryption
 - Enable advanced personalized [Virtual Appointments](#)
 - [View aggregated appointment reports](#) and trends, such as no-shows and wait times, to help drive better customer experiences.
 - [Create frictionless experiences](#) on any device
 - **Host High-quality webinars**
 - [Behind-the-scenes tools like virtual green room](#)
 - [Send automatic reminder emails before a webinar](#)
 - [Manage demand and registration capacity](#) by enabling a waitlist and manual approval

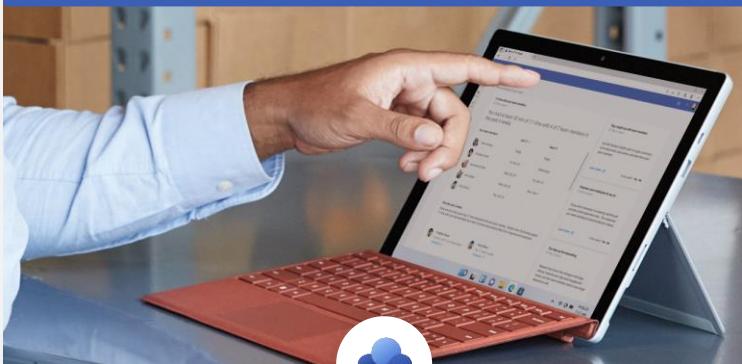
Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Viva Connections

Engaged & Informed



Viva Insights

Productivity & Wellbeing



Viva Topics

Knowledge & Expertise



Viva Sales

Empower & Understand



Viva Learning

Growth & Development



Viva Goals

Purpose & Alignment



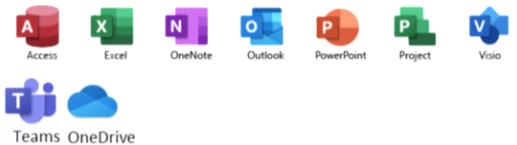
Viva Engage

Culture & Communications

What's New in Microsoft 365

M365 Blogs, and Administrative Blogs covering Office 365, Enterprise Mobility + Security and Windows ::

What's new in your favorite Microsoft 365 app



Office 365 Secret cloud now available for US national security missions >

January 25, 2023 • < 1 min read



By [Paul Lorimer](#), Corporate Vice President, Office 365 Enterprise and Cloud Engineering

Today, we're announcing the general availability of Office 365 Government Secret cloud, which includes our first release of Office 365 Government capabilities including Exchange, Outlook, and Microsoft 365 Apps. [Read more](#)

Seamless Application Access and Lifecycle Management for...

Joseph Dadzie on Jan 31 2023 09:00 AM

Cross-tenant synchronization for Azure AD is in public preview!



Office is becoming Microsoft 365

The home for your favorite tools and content. Now with new ways to help you find, create, and share your content, all in one place.

[FIND OUT WHAT THIS MEANS FOR YOU >](#)

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

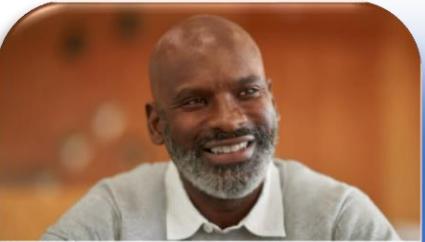
- > Microsoft 365 admin center: Adoption Score People Experiences: Group level aggregates for Communication, Mobility & Collaboration Preview: November 2022
GA: June 2023
- > Microsoft 365 admin center: Adoption Score People Experiences: Organizational Messages for Communication and Content Collaboration Preview: November 2022
GA: June 2023
- > Microsoft 365 admin center: Adoption Score People Experiences: Group level aggregates for Meetings and Teamwork Preview: November 2022
GA: June 2023
- > Microsoft Viva: Topics in Yammer Preview: December 2022
GA: May 2023
- > Microsoft Graph: SharePoint Pages API Preview: January 2023
GA: May 2023
- > Outlook for Windows: Signature cloud settings Preview: October 2022
GA: April 2023
- > Microsoft Intune: Update Readiness Reports Preview: May 2022
GA: April 2023
- > Outlook: Support for Local Folders (On My Computer) in the New Outlook for Mac GA: March 2023
- > Microsoft Defender for Office 365: Security Threat Submission API Preview: June 2022
GA: March 2023
- > Microsoft Viva: New landing experience for Viva Connections desktop GA: March 2023
- > Azure Active Directory: Tenant Creation Lockdown Preview: December 2022
GA: March 2023
- > Microsoft Search: Attachment search GA: March 2023
- > Microsoft Stream: IT admin-led migration tool to move videos from Microsoft Stream (classic) to new Stream (on SharePoint) Preview: August 2022
GA: February 2023
- > Microsoft Purview compliance portal: eDiscovery Premium - Collections progress, statistics, and workflow enhancements Preview: November 2022
GA: February 2023
- > Microsoft Stream: Variable playback speed support (0.5 - 2x) for all video on OneDrive & SharePoint GA: February 2023
- > Microsoft Stream (on SharePoint): View video analytics in playback experience GA: February 2023
- > Microsoft Teams: Presenter window usability improvements in screen sharing Preview: January 2023
GA: February 2023
- > Microsoft Teams: Microsoft Teams Premium GA: February 2023
- > Microsoft Teams: Parent Teacher Meeting GA: February 2023
- > Microsoft Teams: Actionable Missed call Notification in Activity Preview: January 2023
GA: February 2023



Power Platform and Dynamics



Roadmaps and Release plans:



2023 release wave 1 plans for Microsoft Dynamics 365 and Power Platform now available >

January 25, 2023 • 7 min read

By [Mo Osborne](#), Corporate Vice President & Chief Operating Officer- Digital Transformation Platform Group

On January 25, 2023, we published the 2023 release wave 1 plans for Microsoft Dynamics 365 and Microsoft Power Platform, a compilation of new capabilities planned to be released between April 2023 and September 2023. This first release wave of the year offers hundreds of new features and enhancements, demonstrating our continued investment to power [Read more](#)



The Microsoft Supply Chain Platform enables resiliency for retailers >

January 17, 2023 • 7 min read

By [Vignesh Balasubramanian](#), Senior Product Marketing Manager, Supply Chain Management

The path to retail resilience in today's competitive environment revolves around connectivity, agility, and sustainability. Brands should address disruptions and challenges with solutions that can exceed customer expectations, drive profitability, and improve sustainability. [Read more](#)



Microsoft boosts Viva Sales with new GPT seller experience >

February 2, 2023 • 3 min read

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

We're announcing the preview of a new generative AI-powered experience in Microsoft Viva Sales that helps sellers communicate more effectively with prospects and customers. [Read more](#)



Leap into the future of finance at Finance Reimagined 2023 >

February 9, 2023 • 3 min read

By [Stephanie Dart](#), Senior Director of Product Marketing, Microsoft Dynamics 365

With global volatility and inflation impacting organizations across all industries, business agility has never been more important. Leaders turn to finance teams to get real-time insight into business performance and recommendations on future initiatives that will help them thrive amid disruption. [Read more](#)

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

- [Power BI Activity Logs: New Workspace Metadata for Excel Scenarios](#)
- [Embed your Power BI organizational apps in Microsoft Teams Channels and Meetings :: Announced](#)
- [Connected Excel Tables from Power BI :: Public Preview](#)
- [Power BI Dataset Scale-Out :: Public Preview](#)
- [Microsoft named a Leader in 2023 Gartner® Magic Quadrant™ for Enterprise Low-Code Application Platforms](#)
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- [Power Apps January 2023 Updates :: What's New](#)
- [New Releases for Microsoft Power Automate Hosta RPA](#)
- [Using Power Automate for Email Sentiment Analysis](#)
- [Manage your Power Automate Desktop flows using Web APIs](#)
- [Power BI in Microsoft Teams collaboration experiences improvements](#)
- [My workspace Governance improvements :: Public Preview](#)

Send a customized email when a new SharePoint list item is added

By Microsoft

Automated 621513

Get a push notification when you receive an email from your boss

By Microsoft

Automated 529681

Save Office 365 email attachments to OneDrive for Business

By Microsoft

Automated 952283

Microsoft Power Platform



Microsoft Power Platform

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



Power BI
Business analytics



Power Apps
App development



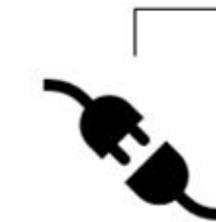
Power Automate
Process automation



Power Virtual Agents
Intelligent virtual agents



Power Pages
External-facing websites



Data
connectors



AI Builder



Dataverse

Developer and GitHub

GitHub Blog and Changelog

- Dependency Graph supports the Python PEP 621 standard
- WakaTime is now a GitHub secret scanning partner
- Persona is now a GitHub secret scanning partner
- Manage branch protection rules with a new permission
- Pull request merge queue :: Public Beta
- The GitHub Enterprise Server 3.8 Release Candidate :: Available for Download



Microsoft Developer Blogs:

- Beginners' crash course to build apps for Teams using Teams Toolkit for Visual Studio Code
- D3D12 GPU Video acceleration in the Windows Subsystem for Linux :: Generally Available
- Visual Studio AI-Assistance: A Developer's Best Friend

The technology behind GitHub's new code search

A look at what went into building the world's largest public code search index.



Timothy Clem February 6, 2023

New GitHub CLI extension tools

Support for GitHub CLI extensions has been expanded with new authorship tools and more ways to discover and install custom commands. Learn how to write powerful extensions in Go and find new commands to install.

Nate Smith January 13, 2023

Introducing the GitHub Bug Bounty swag store

We're excited to share the newest addition to our GitHub Bug Bounty Program!

Jill Moné-Corallo January 23, 2023

Release Radar, Festive Edition • December 2022 – January 2023

Welcome to our special edition of the Release Radar 🎄. Between Christmas festivities, end of the year parties, Chinese New Year, or simply enjoying some time off, almost everyone has...

Michelle Mannerling February 8, 2023

Unlocking security updates for transitive dependencies with npm

How Dependabot integrated with npm to address security vulnerabilities on transitive dependencies and increase the likelihood of success for JavaScript security updates by 40%.

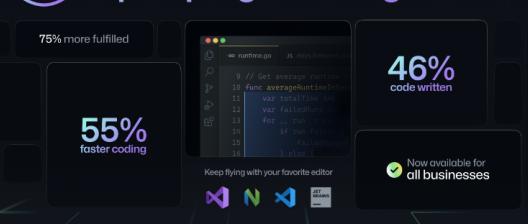
Bryan Dragon January 19, 2023

GitHub Copilot now has a better AI model and new capabilities

We're launching new improvements to GitHub Copilot to make it more powerful and more responsive for developers.

Shuyin Zhao February 14, 2023

AI pair programming is here.



GitHub Copilot for Business is now available

GitHub Copilot is the world's first at-scale AI developer tool and we're now offering it to every developer, team, organization, and enterprise.

Thomas Dohmke February 14, 2023

How the GitHub Docs team uses GitHub Projects

Explore how the GitHub Docs team uses GitHub Projects for content coordination, reviews, and publishing.

Steve Guntrip February 2, 2023

How GitHub coordinates product releases with GitHub Projects and GitHub Actions

When teams work cross-functionally, good things happen. See how our teams use GitHub Projects to coordinate and ship new products and features.

Kevin Duck January 19, 2023

Bringing GitHub Actions to GitHub Mobile

How to tap into the power of GitHub Actions from anywhere with GitHub Mobile!

Maximilian Sachs January 20, 2023

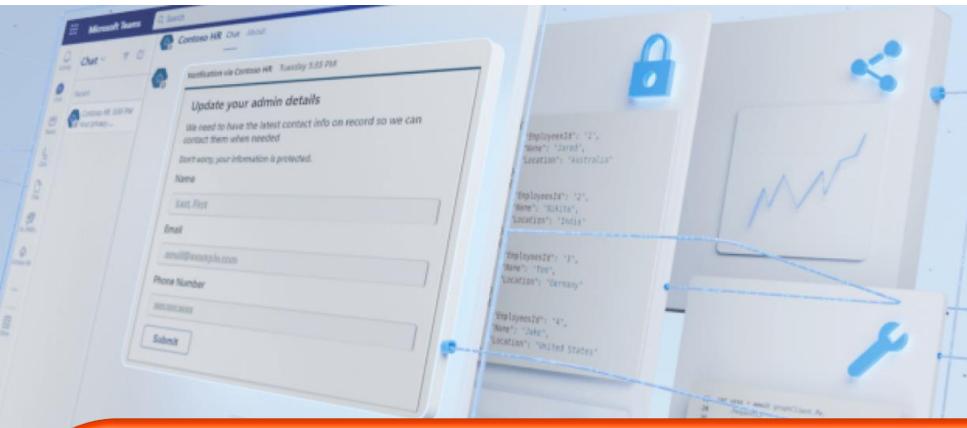
Setting the foundations for compliance

Laying the groundwork for developer-enabled compliance.

Mark Paulsen & Fintan Ryan January 26, 2023



Office Developer Blogs and Microsoft 365 Dev Center



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

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- [GainX Artificial Intelligence and Microsoft Graph Data Connect](#)
- [SharePoint Pages Microsoft Graph API :: Public Preview](#)
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Deploy Office Add-in that uses SSO to Azure App Service

[View video >](#)

Teams Conversation Bot

[View code sample >](#)

Office Add-ins community call – February 2023

[View video >](#)

Innovate with collaborative apps

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

[Read blog](#)

Build apps for Microsoft Viva

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

[Learn more about Viva Connections](#)

[View infographic >](#)

Office Scripts

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

[Learn more >](#)

[Try sample scripts >](#)



Office Add-ins platform overview

Article • 02/07/2023 • 5 minutes to read • 19 contributors

[Feedback](#)

You can use the Office Add-ins platform to build solutions that extend Office applications and interact with content in Office documents. With Office Add-ins, you can use familiar web technologies such as HTML, CSS, and JavaScript to extend and interact with Outlook, Excel, Word, PowerPoint, OneNote, and Project. Your solution can run in Office across multiple platforms, including Windows, Mac, iPad, and in a browser.

Azure





Azure Updates

Azure Announcements : Azure Blog

VMs, Features, & Announcements

- [Microsoft named a Leader in 2023 Gartner® Magic Quadrant™ for Integration Platform as a Service, Worldwide](#)
- [Azure Red Hat OpenShift for Microsoft Azure Government](#) :: Generally Available
- [Microsoft Azure Load Testing](#) :: Generally Available
- [Azure Native NGINXaaS makes traffic management secure and simple](#) :: Generally Available
- [Automatic Backup for App Service Environment and Azure Functions Dedicated Hosting](#) :: Generally Available
- [Classic VM retirement: extending retirement date to September 1st 2023](#)
- [Lessons learned optimizing Microsoft's internal use of Azure](#)

Data, AI, Security, & Availability

- [Automate your attack response with Azure DDoS Protection solution for Microsoft Sentinel](#)
- [Roundup of AI breakthroughs by Microsoft and NVIDIA](#)
- [Scale Azure Firewall SNAT ports with NAT Gateway for large workloads](#)
- [Secure your application traffic with Application Gateway mTLS](#) :: Generally Available
- [Application security groups support for private endpoints](#) :: Generally Available
- [Incremental snapshots for Ultra Disk Storage](#) :: Public Preview
- [Azure Native Qumulo Scalable File Service provides seamless, secure data storage](#)

Operations & Benefits

- [Azure Digital Twins in West US 3, Qatar, Japan, and Korea](#) :: Generally Available
- [User-assigned managed identities for routing events for Azure Digital Twins](#) :: Public Preview
- [Apply Azure storage access tiers to append blobs and page blobs with blob type conversion](#) :: Generally Available
- [From Teams to PowerPoint: 10 ways Azure AI enhances the Microsoft Apps we use everyday](#)

What's new in Azure Data & AI: Empowering retailers to streamline operations and accelerate time to value

Tuesday, January 17, 2023

Let's explore what's new for Azure Data & AI this month.

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

Microsoft Azure Blog

General availability of Azure OpenAI Service expands access to large, advanced AI models with added enterprise benefits

January 17, 2023

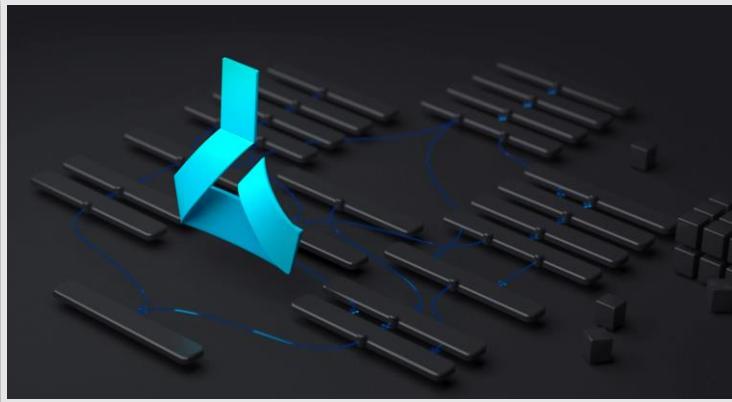
With Azure OpenAI Service now generally available, more businesses can apply for access to the most advanced AI models in the world—including GPT-3.5, Codex, and DALL·E 2—backed by the trusted enterprise-grade capabilities and AI-optimized infrastructure of Microsoft Azure, to create cutting-edge applications.

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

[Read more](#)

- [Satya Nadella: Microsoft's Products Will Soon Access Open AI Tools Like ChatGPT | WSJ – YouTube Video](#)
- [Synapse Espresso: Using OpenAI GPT-3 in Synapse! – YouTube Video](#)
- [Request Access to Azure OpenAI Service](#)

Azure Services Directory



Azure Machine Learning

Use an enterprise-grade service for the end-to-end machine learning lifecycle.



Azure Cognitive Services

Add cognitive capabilities to apps with APIs and AI services



Azure OpenAI Service

Apply advanced coding and language models to a variety of use cases.

Azure Machine Learning

- ❖ Accelerate time to value with rapid model development
- ❖ [Prepare data](#) with Data Labeling, Data Preparation and Dataset
- ❖ [Build and Train Models](#) with Notebooks, Automated Machine Learning, Drag-and-Drop designer
- ❖ [Leverage](#) CLI and Python SDK, Visual Code and GitHub, Open-source Libraries and Frameworks
- ❖ [Validate and Deploy](#) with Pipelines and CI/CD, Model Repository, and Prebuilt Images to Managed Endpoints
- ❖ [Manage and Monitor](#) with Auditing, Error Analysis, Security, Policies and Cost Control.

Azure Cognitive Services

- ❖ Use **customizable, pretrained models** built with breakthrough AI research
- ❖ Deploy Cognitive Services anywhere **from the cloud to the edge with containers**
- ❖ [Speech](#), [Language](#), [Vision](#), and [Decision](#) services
- ❖ Build your own solutions on and for AI
- ❖ Leverage [Azure AI Applied Services](#) - AI services for common business processes.
- ❖ [Cognitive Services in Containers](#) allow for **AI to reach from cloud to edge**
- ❖ [Azure Machine Learning](#) - build, deploy, and manage **high-quality models faster and with confidence**.

Azure OpenAI Services

- ❖ **Based on OpenAI GPT** 3.5 (Generative Pre-trained Transformer), Azure OpenAI Services can be fine-tuned for a variety of cognitive Services
- ❖ **Part of the Azure Cognitive Services family**
- ❖ **New responsible AI system** that filters out harmful content and helps detect abuse. [RAI Resources](#)
- ❖ **Access different models** from OpenAI like Ada, Babbage, Curie and DaVinci
- ❖ **Pre-trained models can be applied to your scenarios**, language, code, reasoning, inferencing and comprehension

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



Six priorities for the financial services industry in 2023 >

February 8, 2023 • 3 min read



By [Bill Borden](#), Corporate Vice President of Worldwide Financial Services, Microsoft

While there is no crystal ball for what the future will look like in this rapidly changing world, I am certain of the power of today's cloud and AI technology advancements—and those on the horizon—to overcome our current challenges, stretch the boundaries of what we think is possible, and create a better future, together. [Read more](#)



Microsoft Cloud for Retail: Creating resilient retailers with our partners >

January 30, 2023 • 3 min read



By [Cyril Belikoff](#), GM, WW Azure & Industry Cloud GTM

Just a few days ago, Microsoft participated in the 2023 National Retail Federation's (NRF) annual Big Show in New York City. Our message was that in these hard-to-predict times, it's important that retailers become "resilient" in a way that helps them thrive when competitors lag. To learn how retailers are weaving technology through the fabric [Read more](#)



Office 365 Secret cloud now available for US national security missions >

January 25, 2023 • <1 min read



By [Paul Lorimer](#), Corporate Vice President, Office 365 Enterprise and Cloud Engineering

Today, we're announcing the general availability of Office 365 Government Secret cloud, which includes our first release of Office 365 Government capabilities including Exchange, Outlook, and Microsoft 365 Apps. [Read more](#)



Microsoft for Defense and Intelligence: Secure the digital defense ecosystem and improve interoperability >

January 17, 2023 • 7 min read



By [Lloyd Hewitt](#), Director of Business Strategy, Worldwide Defense & Intelligence, Microsoft



By [Jonathon Beesley](#), Director of Business Strategy, Worldwide Defense & Intelligence, Microsoft



By [Alvaro Vitta](#), Microsoft Worldwide Cybersecurity Lead for Public Sector

Data security and resiliency are now being enhanced by the distribution of digital operations and data assets with Microsoft Azure. [Read more](#)



Optimize your resources with Microsoft Cloud for Manufacturing >

January 17, 2023 • 3 min read



By [Alfonso Rodriguez Lepage](#), Director Product Marketing, Microsoft Cloud for Manufacturing

To adapt to the current environment, manufacturers are looking to their existing technology investments to identify areas where they can quickly optimize costs while maintaining production levels and sustainability commitments. [Read more](#)

Microsoft Cloud for Sustainability

Building a clean-energy future with your business



Microsoft Sustainability Learning Center

Find detailed information about environmental sustainability topics and technologies. Browse videos, white papers, training, and other resources from Microsoft and industry experts.



New year brings extended capabilities with Microsoft Cloud for Sustainability >

January 26, 2023 • 3 min read



By [Shefy Manayil Kareem](#), General Manager for Microsoft Cloud for Sustainability

Introducing new capabilities with Microsoft Cloud for Sustainability to help organizations improve and adapt as they kick off 2023. [Read more](#)

A new [Microsoft Cloud for Sustainability API](#) preview provides streamlined access to an organization's historic and current Microsoft Azure carbon emissions data based on Microsoft's verified cloud carbon methodology. Customers can use the flexible API to analyze emissions related to their Microsoft Azure usage by emission scope, Azure subscription, Azure service, and Azure region. They can integrate and connect this data with their sustainability dashboards and applications to drive more targeted decisions around cloud usage, and admins can enable transparency across the organization via permission settings in the API portal. Learn more and [try the API](#).

[Environmental Credit Service Preview](#), a managed service under Microsoft Cloud for Sustainability, delivers a common infrastructure to track environmental credit provenance from creation through retirement, bringing new levels of transparency to carbon credit ecosystems.

In the sandbox environment, previewers can simulate credit lifecycle activities relevant to their roles and collaborate with other participating organizations.



Discover how Microsoft is innovating in the metaverse for a sustainable, clean energy future >

January 12, 2023 • 5 min read



By [Darryl Willis](#), Corporate Vice President, Worldwide Energy and Resources Industry

Today, technology is more important than ever as we reimagine the world and our roles, in more sustainable ways. Microsoft, alongside our customers and partners, are innovating in the metaverse to enable new, virtual solutions for a cleaner energy future.

[Read more](#)

What's new and planned for Microsoft Cloud for Sustainability

Article • 01/25/2023 • 2 minutes to read • 1 contributor

This topic lists features that are planned to release from April 2023 through September 2023. Because this topic lists features that may not have released yet, delivery timelines may change and projected functionality may not be released. For more information, go to [Microsoft policy](#).

[Feedback](#)

Microsoft Research Blog



Research Focus: Week of February 6, 2023 >

February 8, 2023

Welcome to Research Focus, a new series of blog posts that highlights notable publications, events, code/datasets, new hires and other...

Distribution inference risks: Identifying and mitigating sources of leakage

Distribution inference (or property inference) attacks allow an adversary to infer distributional information about the training data of a machine learning model, which can cause significant problems. For example, leaking distribution of sensitive attributes such as gender or race can create a serious privacy concern. This kind of attack has been shown to be feasible on different types of models and datasets. However, little attention has been given to identifying the potential causes of such leakages and to proposing mitigations.

A new paper, [Distribution Inference Risks: Identifying and Mitigating Sources of Leakage](#), focuses on theoretically and empirically analyzing the sources of information leakage that allow an adversary to perpetrate distribution inference attacks. The researchers identified three sources of leakage: (1) memorizing specific information about the value of interest to the adversary; (2) wrong inductive bias of the model; and (3) finiteness of the training data. Next, based on their analysis, the researchers propose principled mitigation techniques against distribution inference attacks.

Advancing human-centered AI: Updates on responsible AI research >

January 12, 2023 | [Mihaela Vorvoreanu](#) and [Kathy Walker](#)

Artificial intelligence, like all tools we build, is an expression of human creativity. As with all creative expression, AI manifests the perspectives and values of its creators. A stance that encourages reflexivity among AI practitioners is a step toward ensuring that AI systems are human-centered,...

MICROSOFT RESEARCH

RESEARCH FOCUS 09 | WEEK OF FEBRUARY 6, 2023

In this issue:

Behind the Tech podcast with Tobi Lütke: CEO and Founder, Shopify

A green hexagonal logo with the word "Terra" in white.

Biomedical Research Platform Terra Now Available on Microsoft Azure >

January 25, 2023 | Ilyana Rosenberg, Jer-Ming Chia, and Chaitanya Bangur

We stand at the threshold of a new era of precision medicine, where health and life sciences data hold the potential to dramatically propel and expand our understanding and treatment of human disease. One of the tools that we believe will help to enable precision...

Microsoft Quantum Blog



CLASSIQ

Azure Quantum and Classiq collaborate to offer researchers and educators accelerated quantum algorithm design >

February 8, 2023 • 2 min read

 By [Linda Lauw](#), Sr. Director, Planning & Partnerships, Azure Quantum

Classiq and Microsoft launched a quantum research and education program that offers educational institutions access to Classiq's state-of-the-art Quantum software platform coupled with Azure Quantum cloud access to diverse quantum hardware. [Read more](#)

Build quantum apps and run optimization solutions—backed by Azure scale and reliability—with Azure Quantum, an open cloud ecosystem built on a trusted cloud platform.

[Learn more about Azure Quantum >](#)

TRAPPED ION



QUANTINUUM

Quantinuum H1 Powered by Honeywell

Trapped-ion system with high-fidelity, fully connected qubits, and the ability to perform mid-circuit measurement.

NEUTRAL ATOM



PASQAL

Pasqal

Starting at 100 fully connected dynamically reconfigurable qubits with a state-of-the-art performance to run your analog, hybrid, and digital quantum algorithms.



U.S. Defense Advanced Research Projects Agency (DARPA) names Microsoft as a Quantum Partner >

January 31, 2023 • 2 min read

 By [Julie Love](#), General Manager, Quantum Program Management at Microsoft

DARPA has selected Microsoft as a partner to explore scaled quantum computing in support of DARPA's broader quantum strategies. [Read more](#)

Showcase of the Month



Microsoft Showcase Series



February 08, 2023

Digital transformation spotlight:
Learning from deploying Microsoft Viva,
Data and AI across Microsoft

[WATCH VIDEO >](#)



January 25, 2023

Building an anti-ransomware program at
Microsoft focused on an Optimal
Ransomware Resiliency State

[READ BLOG >](#)



February 10, 2023

Five key learnings from Microsoft's
Windows 11 upgrade

[WATCH VIDEO >](#)

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.



January 11, 2023

Shining a light on how Microsoft
manages Shadow IT

[READ BLOG >](#)

Microsoft Learning and Training:



Browse all learning paths and modules

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

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

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

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[Customize my path](#)

Further your goals with Microsoft events

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

Microsoft 365 Virtual Training Day: Introduction to Microsoft Viva

03/05/2023 | 17:00 (CST) - 03/06/2023 | 18:40 (CST)

Digital
Training

Learn Live: Integrate OpenAPI-enabled Web APIs with Azure API...

13 February, 2023 | 12:00 PM

Format: Livestream
Topic: Data Science and Machine Learning
Language: English

In this session you will learn how to design and implement Azure Machine Learning (AzureML) using...

[Register](#)

Azure ML Enterprise Deployment

20 February, 2023 | 9:00 PM

Format: Livestream
Topic: Data Science and Machine Learning
Language: English

In this session you will learn how to design and implement Azure Machine Learning (AzureML) using...

[Register](#)

Microsoft Virtual Briefing - Sustainability

02/16/2023 | 11:00 - 13:00 (CST)

Digital
Briefing

Microsoft Virtual Briefings are exclusive events that bring the cloud community together to...
[Show more](#)



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

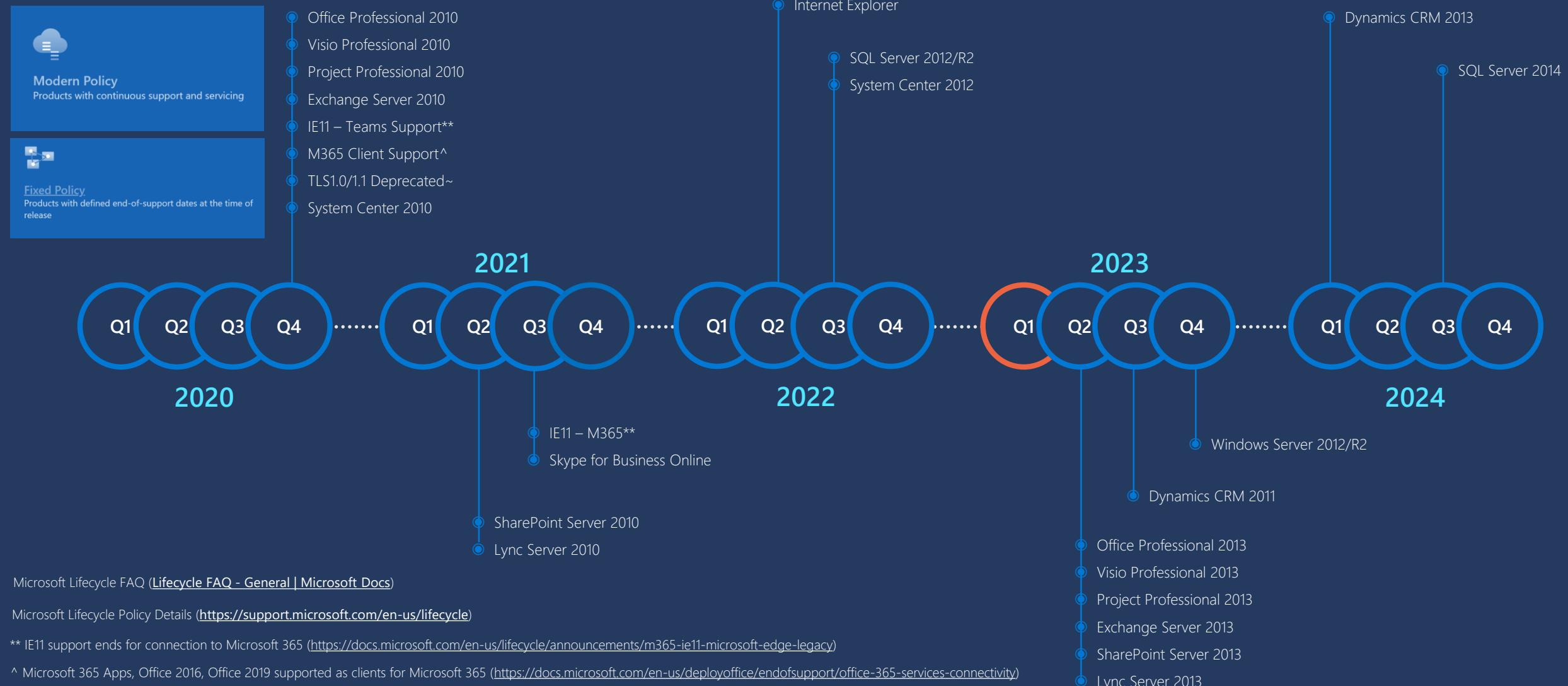
[Earn a Career Essentials in Business Analysis Professional Certificate](#)

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

Announcements

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

- ➡ Kaizala to be retired August 31, 2023
- ➡ UPDATED: Windows Analytics retirement on January 31, 2020
- ➡ Windows 8.1 end of support on January 10, 2023
- ➡ System Center 2012/2012 R2 end of support on July 12, 2022
- ➡ SQL Server 2012 and Windows Server 2012/2012 R2 end of support
- ➡ Internet Explorer 11 desktop app support ended for certain versions of Windows 10

See more >

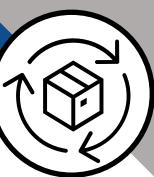
Lifecycle data export

Export all products

Export lifecycle data for all products by clicking below:

[Export All Products](#)

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



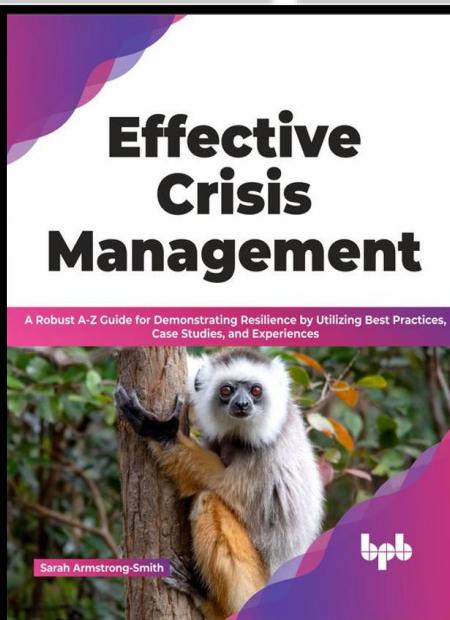
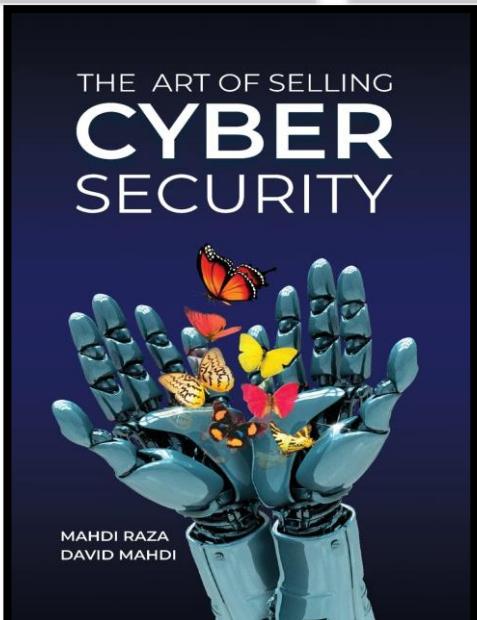
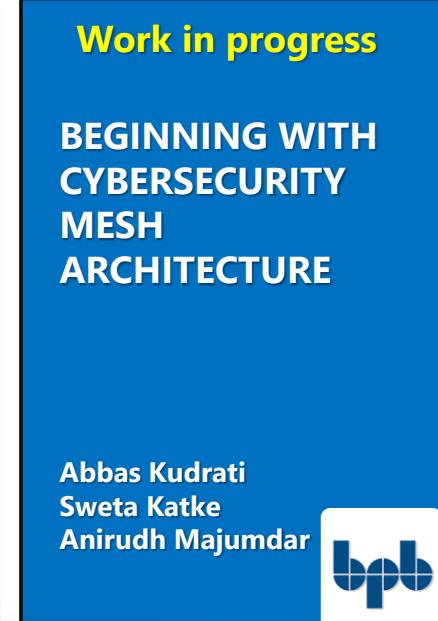
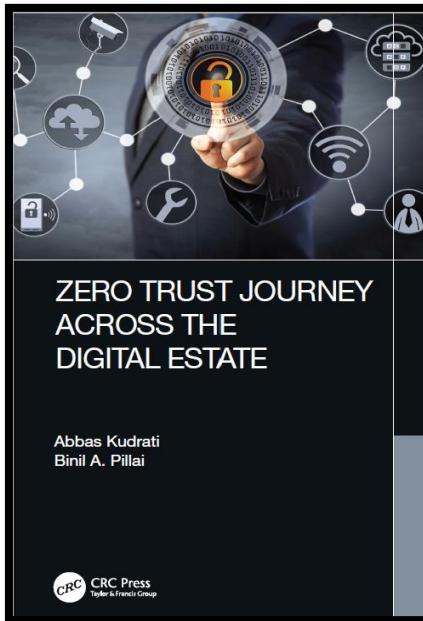
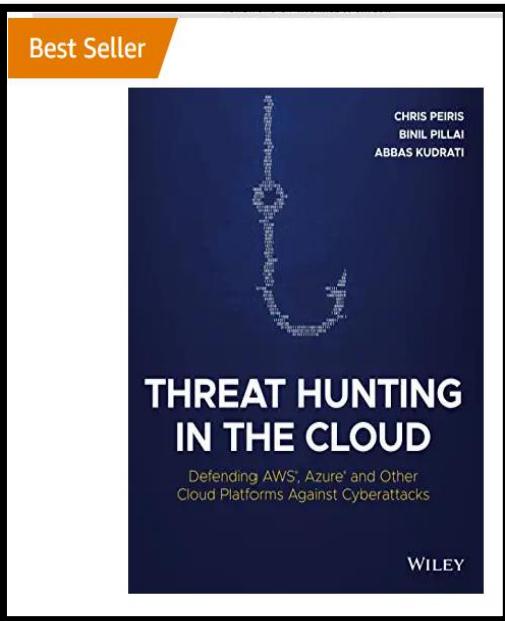
Company	Date	Description
Movere	10-21-2019	Movere accelerates cloud migrations. It increases business intelligence by accurately presenting entire IT environments within a single day , providing enterprises with the confidence they need to have visibility and control of their environments regardless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

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