



Microsoft

Monthly Technical Update

OCTOBER 2022



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Microsoft

- [Microsoft Ignite 2022 – October 2022](#)
- [Microsoft Research Summit – October 2022](#)
- [GitHub Universe 2022](#)
- [Microsoft Tech Community Blog depot](#)
- [Microsoft Official Blog](#)
- [TechCommunity Events](#)
- [Microsoft Technical Documentation Hub](#)



Announcements and Tips

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



Security and Compliance

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



Microsoft 365 update information



New trends with Microsoft Technology

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



Showcase of the month



- [Products Reaching End of Support in 2022 and 2023](#)
- [Companies and Technologies Acquired Since 2018](#)

The best of what's next

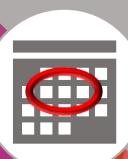
Explore the latest innovations, learn from product experts and partners, level up your skillset, and create connections from around the world. Join us October 12–14 at 9:00 AM PDT to help shape the future of tech.

Register now

Live from Seattle

Level up your skills as Microsoft, industry, and partner experts guide you through the latest technology with immersive demos and live sessions. Plus, connect and collaborate with your community both in person and digitally. Space is limited—reserve your spot by registering today.

October 12–13 | Seattle Convention Center



Microsoft Ignite

October 12–14, 2022

What's to come

Explore some of the key moments of the two-day event kicking off October 12.



Keynotes

Join one of the biggest moments of the event as Microsoft leaders reveal the latest innovations that will shape the future of business.



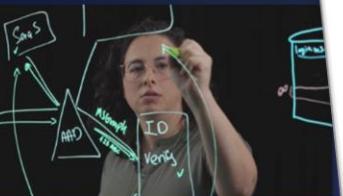
Core Theme sessions

Explore how all the tech and trending topics, shared in the keynotes, can accelerate what you do and how you do it.



Product deep dives

Learn from Microsoft engineers and experts as they share insights, demo new tech, and guide you through the next evolution of products.



Strengthen your network

Collaborate with peers and connect with community leaders and Microsoft Featured Partners through live sessions, interactive chats, and more.

MICROSOFT IGNITE
BOOK OF NEWS

October 12 - 14, 2022

October 12, 2022 • 9 min read

5 cybersecurity capabilities announced at Microsoft Ignite 2022 to help you secure more with less

Vasu Jakkal | Corporate Vice President, Security, Compliance, Identity, and Management

[Read the summary here,](#)

<https://www.microsoft.com/security/blog/2022/10/12/5-cybersecurity-capabilities-announced-at-microsoft-ignite-2022-to-help-you-secure-more-with-less/>



 Share ▾

Protecting your business against growing security threats is a huge priority. Companies of all sizes have increased their spending on cybersecurity solutions to protect their operations over the last year. User spending for the information security and risk management market will grow to USD169.2 billion in 2022, with a constant currency growth of 12.3 percent. The market will reach USD261.9 billion in 2026, with a constant currency growth of 11.1 percent (2021 to 2026).¹ And though spending is increasing



Microsoft CISO Roundtable

19th October 2022



Register now :

<https://aka.ms/CISO191022>

Please join me if you are in Malaysia, register here
[**https://aka.ms/CISO191022**](https://aka.ms/CISO191022)



Abbas Kudrati

Director/ APAC Chief
Cybersecurity Advisor,
Microsoft ASIA



Jason Yuen

EY, Malaysia Cyber Security Leader
Partner, Ernst & Young
Consulting Sdn Bhd

I'M SPEAKING AT GOVWARE

GOVWARE CONFERENCE AND EXHIBITION 2022

18 - 20 OCTOBER | SANDS EXPO AND CONVENTION CENTRE, SINGAPORE



Prof Abbas Kudrati

**APAC Chief Cybersecurity
Officer**
Microsoft

Cyberattacks, Hybrid War and Our Collective Responsibility

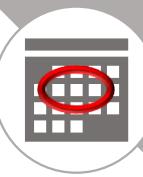
20 October 2022, 1:30PM-2:00PM (GMT+8)

Register Now

GOVWARE CONFERENCE AND EXHIBITION 2022
SANDS EXPO AND CONVENTION CENTRE, SINGAPORE

A PART OF SINGAPORE INTERNATIONAL CYBER WEEK

Microsoft Research Summit 2022 :: October 18-20, 2022



Register today: Microsoft Research Summit 2022

October 18–20, 2022

Join us as the global research community gathers to share progress and spark conversations around advances that could empower people in new ways and positively impact our world.

[Read more >](#)

What's next for technology and humanity?

Explore the pressing research questions driving this year's Research Summit and get a sneak peek of what the event will have in store.



The Fifth Paradigm of Scientific Discovery

What transformational impact can deep learning have on the way we practice science?

[Learn more >](#)



Emerging Foundations for Planet-Scale Computing

What technology breakthroughs do we need to create the cloud of the future?

[Learn more >](#)



The Future of Human Health

How can research empower medical practitioners and reduce inequities in healthcare?

[Learn more >](#)

GitHub Universe 2022: cloud, security, community, and AI

November 9 & 10, 2022



Explore

Attending Universe in-person this year? Sessions aren't the only things you have to look forward to—we're curating an immersive physical experience as well. Head over to the #AskGitHub booth to get your burning questions answered, discover our interactive installations, network as much (or as little) as you'd like, and purchase exclusive Universe swag at the Octoshop. Plus, many more surprises to come.

WHEN:

November 9 & 10

TYPE:

Live - In-Person

WHERE:

Across YBC, San Francisco

Sessions

With over 80 sessions diving into key themes across Cloud, Security, AI, and the global GitHub Community, we'll have something for everyone at this year's Universe. Hear from industry experts on how to secure your startup's software development cycle, the future of AI, and much, much more. Stay tuned for a full line-up of sessions soon.

WHEN:

November 9 & 10

TYPE:

Live - Digital & In-Person

WHERE:

Across YBC & Streaming

Updates of Security and Compliance



October 13, 2022 • 4 min read

Microsoft named a Leader in the 2022 Gartner® Magic Quadrant™ for Security Information and Event Management

Rob Lefferts Corporate Vice President, Microsoft 365 Security



 Share ▾

Security operations teams are overwhelmed trying to protect their organizations against an onslaught of cyberattacks, including a 92 percent rise in ransomware attacks.¹ Too often, existing security tools are siloed or not designed to meet the needs of today's hybrid cloud environment. The result is overworked

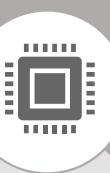
Figure 1: Magic Quadrant for Security Information and Event Management



Figure 1. Gartner Magic Quadrant™ for Security Information and Event Management.
(Source: Gartner, 2022)

Monitoring Global Threats: Microsoft

Microsoft Security Response Center



Global threat activity

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

Select a region ▾

Most affected industries

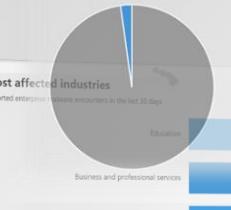
Reported enterprise malware encounters in the last 30 days

Telecommunications

Show all industries >

Devices with encounters:

174,773 (2.19%)



September 30, 2022 • 7 min read

Analyzing attacks using the Exchange vulnerabilities CVE-2022-41040 and CVE-2022-41082

MSTIC observed activity related to a single activity group in August 2022 that achieved initial access and compromised Exchange servers by chaining CVE-2022-41040 and CVE-2022-41082 in a small number of targeted attacks.

Rewards plus: Fake mobile banking rewards apps lure users to install info-stealing RAT on Android devices

A fake mobile banking rewards app delivered through a link in an SMS campaign has been making the rounds, targeting customers of Indian banking institutions. Users who install the mobile app are unknowingly installing an Android malware with remote access trojan (RAT) capabilities.

Telecommunications ▾

Top threats:

Adware:Win32/BrowserAssistant
Adware:Win32/Hiru
Exploit:JS/CVE-2014-0322.A
HackTool:Win32/Wincred.H
PUA:AndroidOS/Dnotua.A!MTB

September 29, 2022 • 12 min read

ZINC weaponizing open-source software

In recent months, Microsoft detected weaponization of legitimate open-source software by an actor the Microsoft Threat Intelligence Center (MSTIC) tracks as ZINC, targeting employees at media, defense and aerospace, and IT service provider organizations in the US, UK, India, and Russia.

Worldwide

83,909,339 devices with encounters

Top threats:

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

September 22, 2022 • 11 min read

Malicious OAuth applications abuse cloud email services to spread spam

Microsoft discovered an attack where attackers installed a malicious OAuth application in compromised tenants and used their Exchange Online service to launch spam runs.

Welcome to Defender Threat Intelligence Tech Community

Microsoft Defender Threat Intelligence Blog

The blog shares the latest content about how you and your team can get the most out of the [Microsoft Defender Threat Intelligence \(DTI\)](#) Tech Community's industry-leading investigation and discovery capabilities.

Related reading: [How Defender Threat Intelligence enables threat hunting success](#)

The screenshot shows a Microsoft Tech Community article page. The URL in the address bar is <https://techcommunity.microsoft.com/t5/microsoft-defender-threat/welcome-to-defender-threat-intelligence-tech-community/ba-p/3648954>. The page title is "Welcome to Defender Threat Intelligence Tech Community". It is authored by Michael Browning, published on Oct 10 2022 at 11:12 AM, with 634 views. The content discusses the new DTI Tech Community, sharing latest content on investigation and discovery capabilities. It highlights best practices, threat hunting tips, new features, and why DTI and Microsoft Security products are better together. It also mentions access to training, workshops, and certifications. A call-to-action at the bottom encourages users to share their feedback.

Welcome to the brand-new [Microsoft Defender Threat Intelligence \(DTI\)](#) Tech Community! Since we [launched DTI in August](#), we've been thrilled with its positive reception across the cybersecurity community. We'll share the latest content on this page about how you and your team can get the most out of DTI's industry-leading investigation and discovery capabilities.

We are also looking forward to hearing from you. The DTI Tech Community is a great place to offer our engineers and threat researchers feedback about what's working well, the unique ways you're leveraging DTI, and what you'd like to see us build next.

Stay tuned to the DTI Tech community as we continue the pursuit of making the world a safer place and keeping pace with today's cyber attackers. We'll post all the latest DTI content here, including:

Best practices: DTI is powerful in the hands of junior analysts and top threat hunters alike. We'll share the best ways to pivot, search, and explore DTI data to quickly and confidently uncover threats in your environment and beyond.

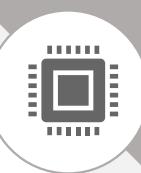
Threat hunting tips: DTI data sets are unique and offer unique threat-hunting capabilities. Here, we'll share the best and latest techniques for leveraging DTI data, grafted from Microsoft's global collection network, to uncover attacker infrastructure across the threat landscape.

New features and product updates: Microsoft is always learning, innovating, and investing to make products that contribute to a safer world. When we launch updates and new features, our community will be some of the first to know. Here, we'll offer a first-hand look at what's next and the opportunities available to DTI users.

Why DTI and Microsoft Security products are better together: DTI provides analysts access to the most comprehensive data sets necessary to research, understand, and block modern threats and enhance threat detection and incident response. The DTI Tech Community is the place for topics and conversations around adding advanced threat intelligence into your daily operations to boost your teams' capabilities and performance.

Access to training, workshops, and certifications: We're committed to preparing the threat-hunting community to combat the next generation of threats. Come to the DTI to learn, practice, and become a threat-hunting expert. Visit the DTI Tech Community to complete training courses, earn certifications, and even help us teach other cybersecurity pros.

We want to hear from you!



October 4, 2022 • 6 min read

Cybersecurity awareness tips from Microsoft to empower your team to #BeCyberSmart

Cybersecurity Awareness Month is here. Get the #BeCybersmart education kit and learn how you can help your employees become cyber defenders.

[Read more >](#)

September 14, 2022 • 4 min read

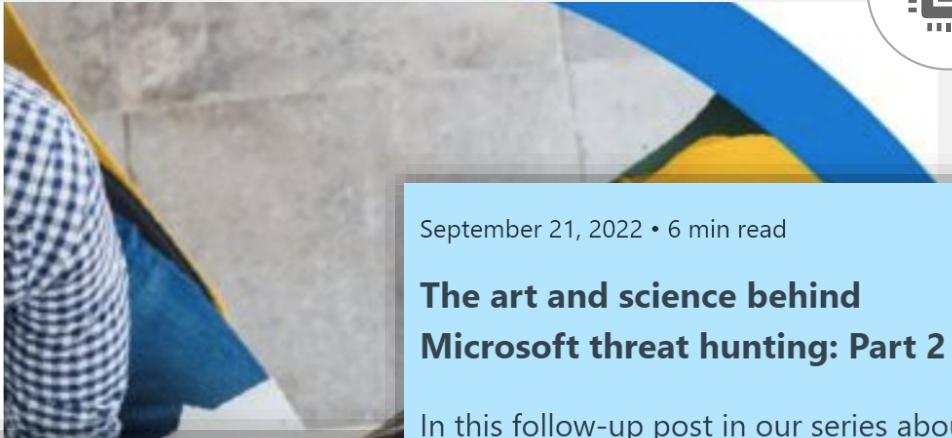
Implementing a Zero Trust strategy after compromise recovery

After a compromise recovery follows what we call a Security Strategic Recovery. This is the plan for moving forward to get up to date with security posture all over the environment. The plan consists of different components like securing privileged access and extended detection and response, but it all points in the same direction: moving ahead with Zero Trust Strategy over traditional network-based security.

October 5, 2022 • 5 min read

Detecting and preventing LSASS credential dumping attacks

LSASS credential dumping is becoming prevalent, especially with the rise of human-operated ransomware. In May 2022, Microsoft participated in an evaluation conducted by AV-Comparatives specifically on detecting and blocking this attack technique and we're happy to report that Microsoft Defender for Endpoint achieved 100% detection and prevention scores.



October 6, 2022 • 2 min read

Microsoft publishes new report on holistic insider risk management

The risk landscape for organizations has changed significantly in the past few years. Traditional ways of identifying and mitigating risks simply don't work. Historically, organizations have focused on external threats; however, risks from within the organization can be just as prevalent and harmful. This new Microsoft-commissioned report lays out several new insights about how organizations go from a fragmented approach to insider risk management to a holistic one.

September 21, 2022 • 6 min read

The art and science behind Microsoft threat hunting: Part 2

In this follow-up post in our series about threat hunting, we talk about some general hunting strategies, frameworks, tools, and how Microsoft incident responders work with threat intelligence.

September 29, 2022 • 5 min read

CSO perspective: Why a strong IAM strategy is key to an organization's cybersecurity approach

Mastercard Deputy Chief Security Officer Alissa "Dr. Jay" Abdullah, Ph.D., shares insights on why identity and access management is necessary and strategies for securing identities.

A photograph of a young woman with long blonde hair in a braid, wearing a white ribbed sweater. She is sitting at a desk, looking down at a tablet device she is holding with both hands. A stylus pen is in her right hand. On the desk in front of her is a laptop and a notebook. The background shows large windows with a view of a city skyline.

Microsoft 365 update information

Microsoft Teams Blog:



What's New in Microsoft Teams | August and September 2022

[What's New in Microsoft Teams | August and September 2022](#)

Holly Lehman on Sep 30 2022 11:00 AM

We are excited to tell you about the many new Teams features we have added in August and September. This month marks the...

[Learn how Microsoft enabled company-wide emergency calling...](#)

Bindu Pillai on Sep 20 2022 08:00 AM

Intuitive and reliable emergency calling is fundamental to the health and safety of any organization. For Microsoft, mee...



Microsoft Ignite
October 12-14, 2022

[Your Guide to Microsoft Teams at Microsoft Ignite 2022](#)

Maria Figueroa on Oct 05 2022 08:09 AM

We are one week away from this year's Microsoft Ignite and Microsoft Teams has an incredible lineup of content. In this ...

[Microsoft Teams Phone earns highest scores for UCaaS...](#)

Bindu Pillai on Sep 28 2022 08:00 AM

Too busy? The TL;DR version is that Microsoft Teams Phone had the highest scores for uptime and service quality of the p...

[Language Interpretation is now Generally Available \(GA\) in...](#)

Shalendra Chhabra on Sep 15 2022 08:00 AM

Today, we are happy to announce that language interpretation is Generally Available (GA) for Microsoft Teams Meetings! H...



Party time
is calling you

PT



[Introducing a Microsoft Teams ringtone that will make you...](#)

SurbhiLohia on Sep 14 2022 09:00 AM

We are pleased to announce a fun new spin on that old familiar tune. Starting today, a remix version of the Microsoft Te...

[Microsoft Teams maintains audio quality even in...](#)

solomiyabranets on Sep 29 2022 08:00 AM

Choppy sound. Frozen video. It's likely everyone has experienced poor meeting and call quality due to a bad internet con...

[Inside Microsoft Teams Season 6 Episode 2 – Feature Focus...](#)

Stephen Rose on Sep 13 2022 08:00 AM

As we mentioned a few weeks ago, we released a new show called Feature Focus. Each episode is only 15 mins long and will...

Microsoft Viva: & Viva Blog:

The employee experience platform for the new world of work



Microsoft Viva Connections and daily briefing email...

Malavika Rewari on Sep 22 2022 06:00 AM

Personalized reminders, relevant news, and important information from Viva in the flow of work.



Announcing the general availability of Viva Sales, an intelligent selling experience in Microsoft 365 and Teams >

Today we're announcing the general availability of Microsoft Viva Sales on October 3, the first Viva application designed to improve the employee experience for a specific role: sellers. [Read more](#)

Viva Connections

Culture & Communications

Learn on the go with Viva Learning mobile app updates

Andrea_Lum on Sep 08 2022 09:00 AM

Read about new features in the Viva Learning mobile app, including notifications, in-app playback, and a design refresh.



Viva Learning

Growth & Development

Announcing Answers in Microsoft Viva

Chris McNulty on Sep 22 2022 06:00 AM

Answers in Microsoft Viva connects employees to the answers they need by crowdsourcing knowledge from across the organiz...



Viva Insights

Productivity & Wellbeing

Viva Topics

Knowledge & Expertise

Economic benefits of Microsoft Viva

Learn about the cost savings and business benefits of Viva in this Forrester Total Economic Impact™ study.¹

[Read the Forrester study >](#)



Viva Goals

Purpose & Alignment

New experiences coming to Microsoft Viva Engage

Michael Holste on Sep 22 2022 06:00 AM

Microsoft Viva unveiled new capabilities coming to Viva Engage designed to better connect leaders and employees and help...



Viva Engage

Culture & Communications

Viva Topics product updates: Answers in Viva, new topic...

Tehzeeb on Sep 22 2022 06:00 AM

Answers use the suggested experts already connected to Viva Topics to help get answers to your questions.

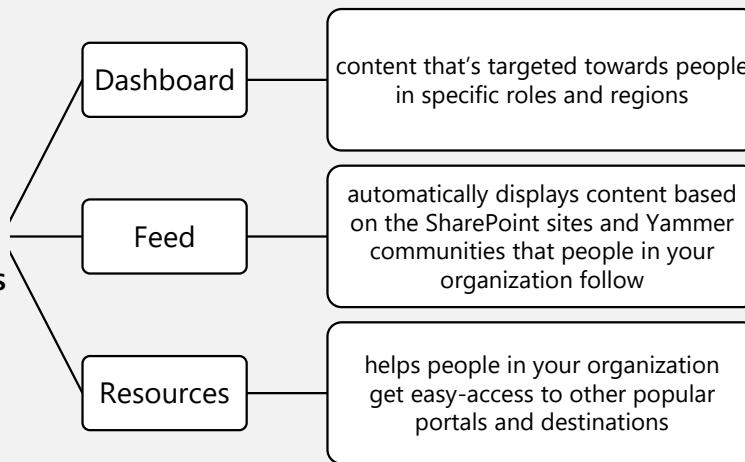


Viva Blog: New Viva Connections desktop experience



Viva Connections

Culture & Communications



Dashboard

Viva Learning
You have 3 overdue and 10 upcoming trainings.
[Open](#)

Tasks
1 urgent task due: Send analysis for Q4 + 3 more tasks
[See all](#)

Protect time
Book focus time
Mon Mar 14
3:00 PM - 5:00 PM
[Book now](#)

Reflection
Check in
Stay on top of your feelings with regular check-ins
[Check-in](#)

Effective meetings
Set up a customized meeting plan for best practices

Praise
Send congrats to your colleagues
[Get started](#)

Feedback
Get perspectives from the people you work with
[Get feedback](#)

Topics
Knowledge
Learn what Topics are popular in your organization
[Learn more](#)

Headspace
Find your workday flow state

The screenshot shows the Microsoft Viva desktop application interface. At the top, there's a navigation bar with 'Engage', 'Sales', 'Learning', 'Amplify', 'Insights', 'Goals', 'Topics', and 'Pulse'. Below the navigation is a 'Good morning, Lynne' greeting. The main area is divided into several sections:

- Dashboard:** Features cards for 'Viva Learning' (3 overdue and 10 upcoming trainings), 'Tasks' (1 urgent task due), 'Protect time' (Book focus time on Mon Mar 14), 'Reflection' (Check in), 'Effective meetings' (Set up a customized meeting plan), 'Praise' (Send congrats to your colleagues), 'Feedback' (Get perspectives from the people you work with), 'Topics' (Knowledge), and 'Headspace' (Find your workday flow state).
- Feed:** Shows a news feed with items like 'Company News' (from March 11, 2021), 'AMA with Patty Fernandez' (with 624 views and 719 likes), and 'Innovation' (watch the future of drone technology with Alan Dejognie, lead technologist behind the AI model that brought ...).
- Resources:** Lists 'Frequent sites' such as 'The Landing', 'Working From Home', 'Human Resources', 'Leadership Connection at Relicloud', 'Retail Operations', 'Relicloud Pride', 'Site name goes here', 'All Company', and 'Be Well'. It also includes sections for 'Relicloud', 'Followed sites', and 'Giving back'.

What's New in Microsoft 365

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



Microsoft 365 admin guide to Ignite 2022 – Helping IT do...

Yana Terukhova on Sep 29 2022 10:01 AM

Get a sneak peek at what to expect for Microsoft 365 at Ignite next month.

New improved contacts on Outlook Web App

Gargy_Shekhar on Sep 28 2022 01:18 PM

Learn more about changes to contacts we're bringing to Outlook Web App (OWA)!

What's new in supportability for Microsoft 365

BrianStoner on Oct 06 2022 10:00 AM

Learn what's new with Modern Work (MW) Supportability team and Microsoft 365 services in cloud.

Enhance collaboration in Word, Excel and PowerPoint with...

Mohit_Yadav on Sep 29 2022 10:39 AM

Learn how @mention suggestions promote seamless collaboration in Word, Excel and PowerPoint.

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 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 Intune and Microsoft Endpoint Manager: Add DMG type app management for MacOS Preview: February 2022
GA: December 2022
- > Excel: Track tasks with @mentions GA: October 2022
- > Microsoft 365 compliance center: Microsoft Purview | Insider Risk Management - Microsoft Defender for Endpoint alerts Preview: April 2022
GA: October 2022
- > Microsoft Viva: Quiet time settings in Teams and Outlook GA: October 2022
- > Microsoft 365 compliance center | Microsoft Purview: eDiscovery (Premium) - Release of Graph APIs (U.S. Government clouds) GA: October 2022
- > Microsoft 365 compliance center: Microsoft Purview | eDiscovery (Premium) - Support for Graph Connectors content Preview: July 2022
GA: October 2022
- > Microsoft Project: People view in Project for the Web GA: October 2022
- > Outlook: Friendlier link names will now work for files added to messages through the "attach" icon GA: October 2022
- > Microsoft Teams: Connectors in GCC GA: October 2022
- > Microsoft Viva: Viva Insights - Schedule send suggestions (formerly delay delivery plan) available default on in Outlook with admin and user controls Preview: September 2022
GA: October 2022
- > Microsoft Teams: Music on hold for call transfer GA: October 2022
- > Microsoft Teams: People targeting Graph API GA: October 2022
- > Microsoft Stream (on SharePoint): Upload and manage files in the Stream web app GA: October 2022
- > Microsoft Planner: Recurring tasks GA: October 2022

Create BPMN 2.0 compliant processes in Visio for the web

Meet_Sanghvi on Oct 04 2022 09:00 AM

Learn more about BPMN shapes now available for Visio Plan 2 subscribers in Visio for the web!

New improved contacts on Outlook Web App

Gargy_Shekhar on Sep 28 2022 01:18 PM

Learn more about changes to contacts we're bringing to Outlook Web App (OWA)!



Power Platform and Dynamics



Your guide to Dynamics 365 at Microsoft Ignite 2022 >

October 5, 2022 • 4 min read

By [Keith Barnett](#), Sr. Marketing Communications Manager, Dynamics 365

Microsoft Ignite returns live next week—a digital and in-person event in Seattle, Washington on Wednesday, October 12, and Thursday, October 13. To help you plan your experience, the Dynamics 365 and Power Platform teams compiled some essential presentations, sessions, and viewing tips. [Read more](#)



Automating complex tax scenarios with enhanced Tax Calculation capabilities >

September 20, 2022 • 4 min read

By [Sergey Shvedov](#), Principal Group Manager, Dynamics 365, Globalization

This blog focuses on how Microsoft's enhanced Tax Calculation capabilities help automate complex tax scenarios and deliver more scalable and easy-to-adopt tax solutions to our customers. [Read more](#)



Microsoft recognized as a Leader in the 2022 Gartner® Magic Quadrant™ for Cloud ERP for Product-Centric Enterprises >

September 29, 2022 • 4 min read

By [Sameer Verma](#), General Manager, Dynamics 365 Supply Chain Management

We are excited and honored that Gartner has recognized Microsoft as a Leader in their 2022 Magic Quadrant™ for Cloud ERP for Product-Centric Enterprises. This evaluation of Microsoft was based on specific criteria that analyzed our overall Completeness of Vision and Ability to Execute. [Read more](#)

Roadmaps and Release plans:



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

- [Power BI 'Deployment History' feature and 'Azure DevOps extension' :: Generally Available](#)
- [Announcing "Horizontal Fusion," a query performance optimization in Power BI and Analysis Services](#)
- [Power BI report and dataset management in Power Apps Solutions :: Preview](#)
- [Power BI component for Vue.js applications :: Generally Available](#)
- [Introducing Test Engine: An open platform for automated testing of canvas apps](#)
- [Power Fx: Introducing Named Formulas](#)
- [Content Security Policy for Power Apps :: Public Preview](#)
- [Cineplex drives digital transformation with Power Automate \(RPA\) led by citizen developers](#)
- [Automation Kit for Power Platform](#)
- [SAP Integration for the Power Platform](#)



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

By Microsoft

Automated

529681

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

- [GitHub's supply chain security features now support Dart](#)
- [Dependabot now alerts for vulnerable GitHub Actions](#)
- [Security alert: new phishing campaign targets GitHub users](#)
- [Detect secrets in your code more accurately with dry runs for custom patterns now available in GitHub Advanced Security](#)
- [5 tips for prioritizing Dependabot alerts](#)
- [Research: quantifying GitHub Copilot's impact on developer productivity and happiness](#)
- ["If you don't make it beautiful, it's for sure doomed": putting the Vault in GitHub's Arctic Code Vault](#)
- [5 steps to convince your boss to send you to GitHub Universe](#)

Microsoft Developer Blogs:

- [Beginners' crash course to build apps for Teams using Teams Toolkit for Visual Studio Code](#)
- [Visual Studio's Azure Marketplace images now support Microsoft Dev Box](#)
- [ARM64 Support for VS Extension :: Generally Available](#)
- [Experimental WebTransport over HTTP/3 support in Kestrel](#)
- [Microsoft Teams' Infrastructure and Azure Communication Services' Journey to .NET 6](#)
- [Announcing NuGet PackageReference support for C++/CLI MSBuild projects targeting .NET Core and .NET 5 or higher](#)
- [A Visual Studio Debugger Extension for the Raspberry Pi Camera](#)
- [Join us at Microsoft Teams App Camp on October 20, 2022](#)

Security alert: new phishing campaign targets GitHub users

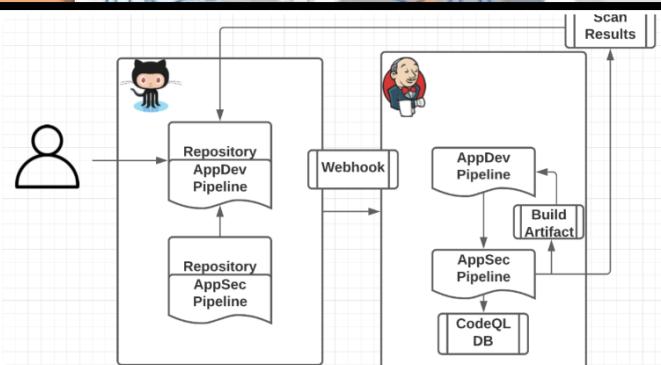
On September 16, GitHub Security learned that threat actors were targeting GitHub users with a phishing campaign by impersonating CircleCI to harvest user credentials and two-factor codes. While GitHub itself was not affected, the campaign has impacted many victim organizations.

Alexis Wales September 21, 2022

How we tripled max concurrent jobs to boost performance of GitHub Actions

The GitHub Actions team has done lots of work to improve the performance and resource consumption of Actions on GHES in the past year.

Aiqiao Yan September 16, 2022



Best practices on rolling out code scanning at enterprise scale

Learn best practices on how to roll out centrally managed, developer-centric application security with a third party CI/CD system like Jenkins or ADO.

Kevin Alwell September 28, 2022

8 things you didn't know you could do with GitHub Copilot

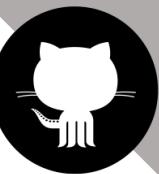
Developers all over the world are using GitHub Copilot to help speed up their development and increase developer productivity. With GitHub Copilot available to developers everywhere, we've found some fun and useful examples of how developers can use GitHub Copilot for things you may not be thinking about.

Rizel Scarlett September 14, 2022

GitHub for Startups is generally available

We're launching GitHub for Startups to give your startup the tools needed to go from idea to unicorn status on the world's largest developer platform.

Garrett Wood September 22, 2022



Office Developer Blogs and Microsoft 365 Dev Center



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

- [Starting your Journey as Microsoft 365 Developer](#)
- [Use Outlook event-based activation to tag external recipients](#)
- [Link unfurling in Outlook :: Public Preview](#)
- [Create custom contextual tabs on the ribbon](#)
- [Microsoft roadmap for One Outlook](#)
- [Beginners' crash course to build apps for Teams using Teams Toolkit for Visual Studio Code](#)



Reach users in Viva Connections with Adaptive Card Extensions

[Build an extension >](#)



App Camp

October 20th
8:00 AM – 9:00 AM PT

aka.ms/TeamsAppCamp

[View documentation](#)



Get started with Microsoft Graph connectors to prepare for Viva Topics

[Build a custom connector >](#)

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 >](#)



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 >](#)

Azure



Azure Updates

Azure Announcements : Azure Blog

VMs, Features, & Announcements

- [Scalable management of virtualized RAN with Kubernetes](#)
- [Azure Private MEC – Azure Private 5G Core and a thriving partner ecosystem](#)
- [Azure API for FHIR and Microsoft's Power Platform help universities tackle COVID-19](#)
- [Azure Ultra Disk Storage in China North 3 :: Generally Available](#)
- [Azure Red Hat OpenShift landing zone accelerator :: Generally Available](#)
- [Immutable storage for Azure Data Lake Storage :: Generally Available](#)
- [New KMS DNS in Azure China Cloud :: Generally Available](#)
- [Resizing of peered virtual networks :: Generally Available](#)

Data, AI, Security, & Availability

- [Authenticate to Service Bus using managed identity :: Generally Available](#)
- [Introducing AiDice - Advancing anomaly detection with AIOps](#)
- [Smart tiering to vault-archive tier for Azure Backup :: Generally Available](#)
- [Policy analytics for Azure Firewall :: Public Preview](#)
- [Azure SQL Database Hyperscale reverse migration to general purpose tier :: Generally Available](#)
- [Encryption scopes on hierarchical namespace enabled storage accounts :: Public Preview](#)
- [Reserved capacity for Azure Backup Storage :: Generally Available](#)
- [API Server VNET Integration for AKS private cluster :: Public Preview](#)

Operations & Benefits

- [Azure Gateway Load Balancer :: Generally Available](#)
- [Azure Batch Certificates will be retired on 29 February 2024](#)
- [Multi-instance GPU support in AKS :: Generally Available](#)

New Azure Space products enable digital resiliency and empower the industry

Wednesday, September 14, 2022

Since the launch of Azure Space two years ago, we've announced partnerships, products, and tools that have focused on how we can bring together the power of the cloud with the possibilities of space. Today, we are introducing the next wave of product advancements for this mission and announcing specific ways in which we are democratizing space and empowering our partners.

[Jason Zander](#), EVP, Strategic Missions and Technologies

Azure Payment HSM achieves PCI PIN certification offering customers secure digital payments solutions in the cloud

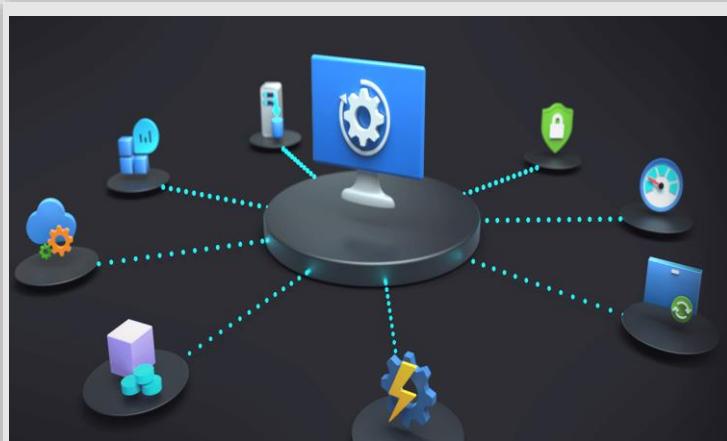
Wednesday, September 21, 2022

Today we're announcing Azure Payment HSM has achieved Payment Card Industry Personal Identification Number (PCI PIN) making Azure the first hyperscale cloud service provider to obtain this certification.

[Salim Chawro](#), Corporate Vice President, Azure Security



Azure Services Directory



Azure Automanage PREVIEW

Simplify and optimize IT management with automated operations

Azure Automanage :: Preview

- ❖ [Automated VM configuration management](#)
- ❖ Consistently apply security policy through [Microsoft Defender for Cloud](#) and Microsoft security baselines.
- ❖ Automating frequent, time-consuming, and error-prone management tasks such as onboarding and configuration of [Azure Monitor](#) and [Azure Backup](#).
- ❖ Quickly deploy security updates to Windows Server 2022 Server Core VMs on Azure without having to reboot every time using [hotpatch](#).
- ❖ [Securely access files](#) when working remotely without a VPN using built-in SMB over QUIC, a secure file-serving protocol.

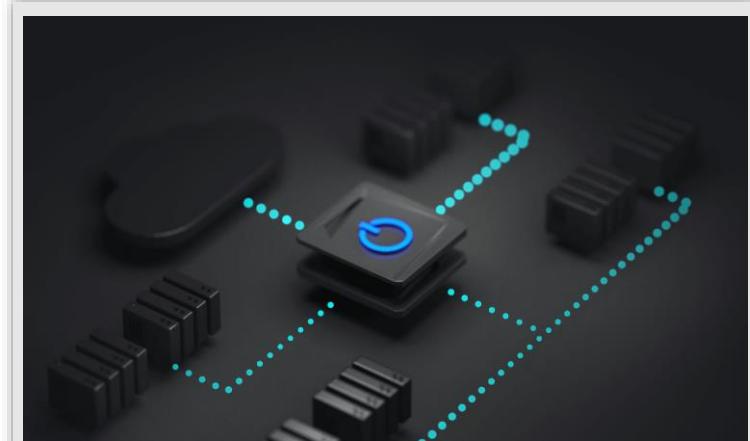


Microsoft Defender External Attack Surface Management

Gain visibility into your external attack surface

Microsoft Defender External Attack Surface Management

- ❖ Global attack surface discovery technology finds, analyzes, and categorizes external-facing resources as they appear
- ❖ Dynamic inventory includes external assets across multiple cloud environments, including unknown resources like shadow IT
- ❖ View your rapidly changing global attack surface in real time with complete visibility into your organization's internet-exposed resources.
- ❖ Gain a holistic view of your security posture



Microsoft Dev Box PREVIEW

Streamline development with secure, ready-to-code workstations in the cloud

Microsoft Dev Box :: Preview

- ❖ [Ready-to-code, project-specific dev boxes that are preconfigured and centrally managed.](#)
- ❖ Unified management, security, and compliance by building on Windows 365 to interoperate with Microsoft Intune and Microsoft Endpoint Manager.
- ❖ [Create a dev box by using the developer portal](#)
- ❖ [Create multiple dev boxes from a predefined pool](#) whenever you need them and delete them when you're done.
- ❖ [Configure a Dev Box Azure Compute Gallery](#)

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



Deliver solid foundations for your smart factory >

October 5, 2022 • 3 min read

By [Colin Masson](#), Global Industry Marketing Director, Manufacturing

Microsoft Cloud for Manufacturing at the Microsoft Ignite event will discuss the benefits for accelerating development of factory applications, as well as other topics addressed in the IoT Manufacturing Spotlight. [Read more](#)



Unlocking the power of AI in Microsoft Cloud for industries >

September 28, 2022 • 6 min read

By [Merav Davidson](#), Vice President, Industry AI

We wanted to share some recent examples of new AI solutions we have delivered as part of our Microsoft Industry Cloud for Healthcare and Financial Services and give a preview of the capabilities we are developing for our Microsoft Cloud for Retail customers and partners. [Read more](#)



Measuring the value of moving to the cloud—and innovative ways to get there >

September 29, 2022 • 2 min read

By [Laurent Verdier](#), Chief Technology Officer, Worldwide Financial Services, Microsoft

To help financial services decision-makers discern their best cloud adoption path, Microsoft experts collaborated with Deutsche Börs to develop a new perspective on cloud adoption. [Read more](#)



Showcasing technologies for modern defense missions >

October 4, 2022 • 4 min read

By [Arthur Thomas \(A.T.\) Ball](#), Senior Business Program Manager, Worldwide Defense & Intelligence, Microsoft

At Microsoft, our Defense teams are thrilled to be supporting AUSA with our partners. We're eager to meet with you, and for the opportunity to discuss our point of view that demonstrates just a few of the technologies that can be a positive force for modern missions across the defense community. [Read more](#)



Microsoft Cloud for Financial Services: Premium compliance support, new features, and expanded markets >

October 4, 2022 • 4 min read

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

As we continue to expand our Microsoft Cloud for Financial Services offering, we are excited to share our latest updates including new features in general availability and in preview, as well as expanded availability in select new markets. [Read more](#)



Microsoft Cloud for Sustainability

Building a clean-energy future with your business

Sustainability from the datacenter to the cloud with Azure

Azure sustainability starts at the datacenter and extends to AI-driven products and local projects. Join a global community committed to building a resilient future that's good for your business and the planet.

[Learn more >](#)

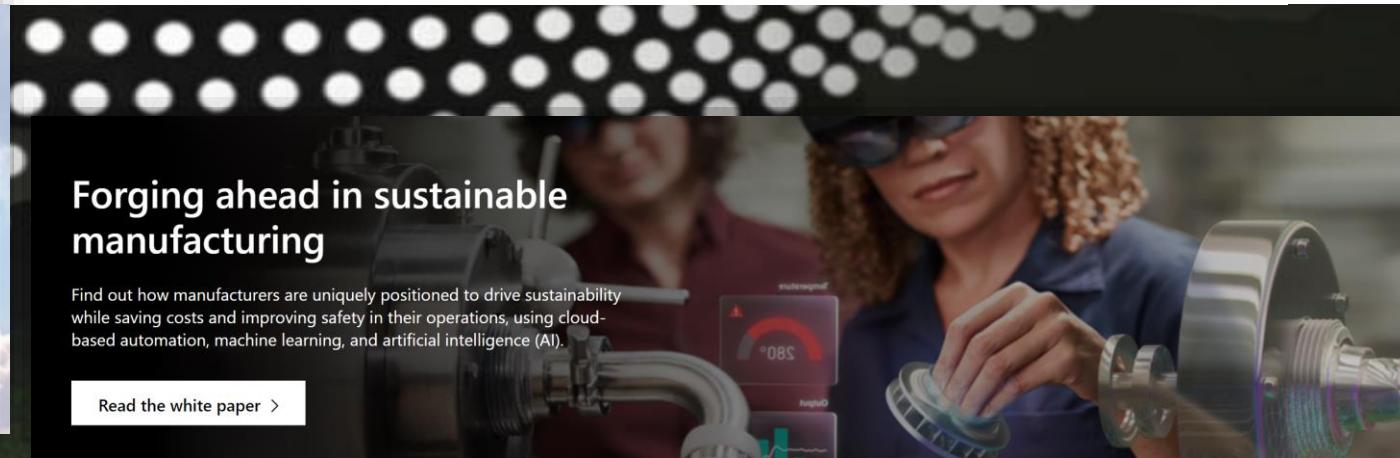
Explore Microsoft Cloud for Sustainability

Get an in-depth look at Microsoft Cloud for Sustainability.

[Read documentation >](#)

Emissions Impact Dashboard

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

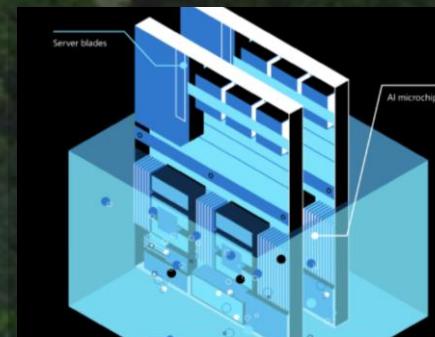


Forging ahead in sustainable manufacturing

Find out how manufacturers are uniquely positioned to drive sustainability while saving costs and improving safety in their operations, using cloud-based automation, machine learning, and artificial intelligence (AI).

[Read the white paper >](#)

What's new and planned for Microsoft Cloud for Sustainability



Liquid immersion cooling

Learn how new server cooling methods can help minimize the environmental impact of physical datacenters—reducing energy use while providing higher processing power.

[Download the PDF >](#)



Grid-interactive UPS batteries

Find out how small steps like implementing grid-interactive UPS batteries can make a big difference for meeting sustainability goals and reducing carbon footprint.

[Download the PDF >](#)



Cleaner fuels for power backup

See how switching from traditional diesel to less-carbon-intensive fuels to run datacenter backup generators helps to reach net-zero carbon emissions.

[Download the PDF >](#)



Microsoft Cloud for Sustainability

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

Emissions Impact Dashboard

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

Emissions Impact Dashboard

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

[Explore the dashboard >](#)

GHG emissions reporting training

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

[Get started >](#)

Energy efficiency training

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

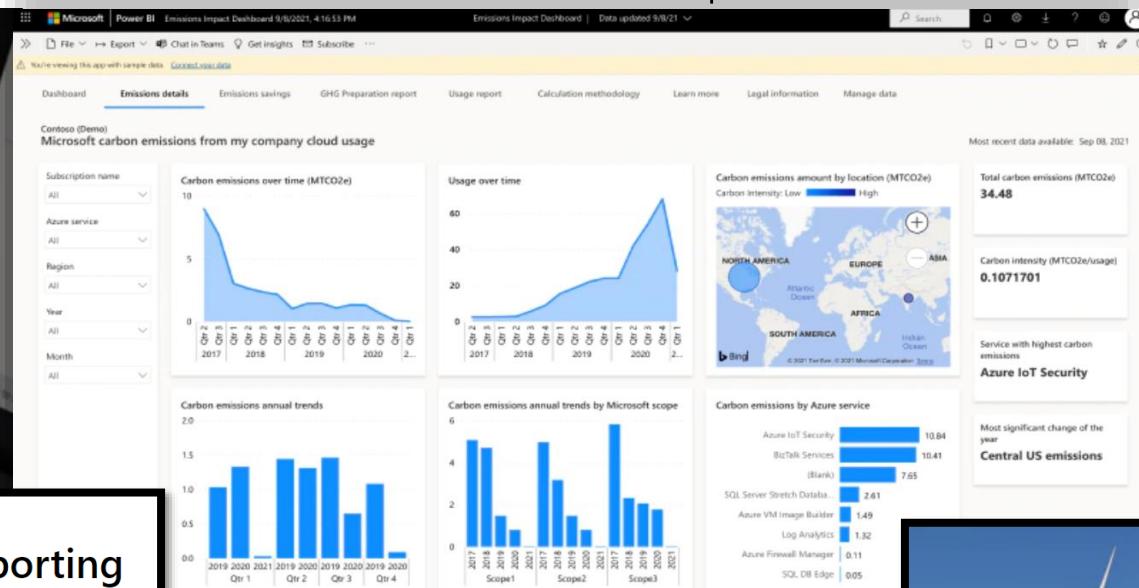
[Get started >](#)

Cloud carbon tracking for your path to net zero

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

[App for Azure >](#)

[App for Microsoft 365 >](#)

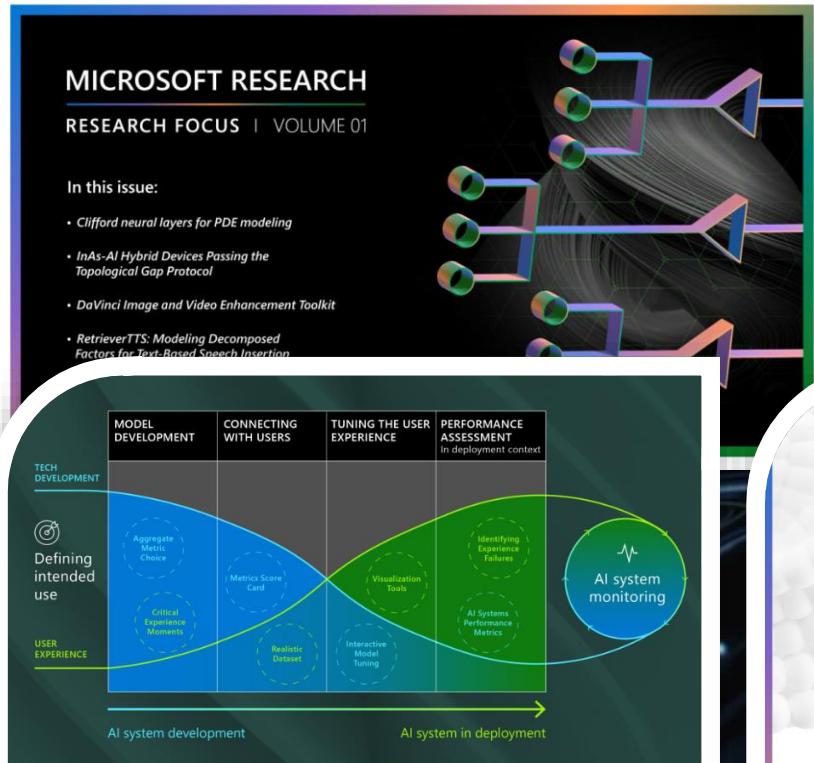


Renewable energy procurement training

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

[Get started >](#)

Microsoft Research Blog



MICROSOFT RESEARCH
RESEARCH FOCUS | VOLUME 01

In this issue:

- Clifford neural layers for PDE modeling
- InAs-AI Hybrid Devices Passing the Topological Gap Protocol
- DaVinci Image and Video Enhancement Toolkit
- RetrieverTTS: Modeling Decomposed Factors for Text-Based Speech Insertion

AI system development AI system in deployment

MODEL DEVELOPMENT CONNECTING WITH USERS TUNING THE USER EXPERIENCE PERFORMANCE ASSESSMENT
in deployment context

TECH DEVELOPMENT USER EXPERIENCE

Defining intended use Aggregate Model Choice Metrics Score Card Visualization Tools Identifying Asymptotic Failures AI Systems Performance Metrics

AI system monitoring

AI system development AI system in deployment

Assessing AI system performance: thinking beyond models to deployment contexts >

Figure 1: Performance assessment methods change across the development lifecycle for complex AI systems in ways that differ from general purpose AI. The emphasis shifts from rapid technical innovation that requires easy-to-calculate aggregate performance metrics at the beginning of the development process to metrics that...

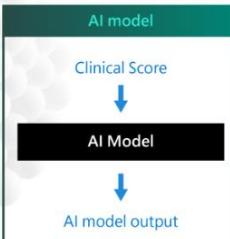
September 26, 2022 by [Cecily Morrison](#), [Martin Grayson](#), and [Camilla Longden](#)

Research Focus: Week of September 26, 2022 >

October 4, 2022

Research Focus highlights notable publications, events, code/datasets, new hires and other milestones from across the research community at Microsoft.

Performance Assessment



AI Models vs. AI Systems: Understanding Units of Performance Assessment >

As AI becomes more deeply integrated into every aspect of our lives, it is essential that AI systems perform appropriately for their intended use. We know AI models can never be perfect, so how do we decide when AI performance is 'good enough' for use...

September 19, 2022 by [Anja Thieme](#) and [Cecily Morrison](#)

Confidential Consortium Framework

- Distributed trust
- Secure enclaves
- No admin access
- Ledger approval by consensus
- Flexible authentication & authorization



CCF: Bringing efficiency and usability to a decentralized trust model >

Online trust has come a long way since the time of centralized databases, where information was concentrated in one location and the security and validation of that information relied on a core set of people and systems. While convenient, this model of centralized management and...

September 14, 2022 by [CCF Team](#)

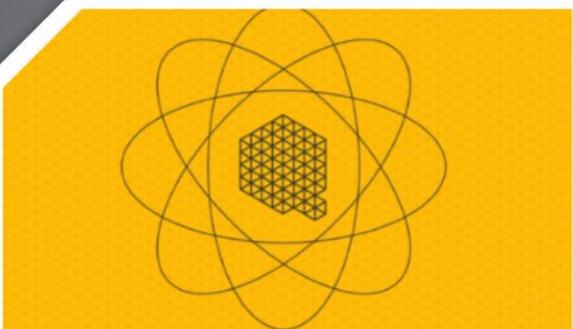


Microsoft Research Summit 2022: What's Next for Technology and Humanity? >

Today, we are experiencing waves of breakthroughs in computing that are transforming just about every aspect of our lives. Artificial intelligence is changing the way we develop and create. Human language technologies are revolutionizing the workflows of healthcare professionals. Deep learning is accelerating our ability...

September 14, 2022 by [Ashley Llorens](#)

Microsoft Quantum Blog



Microsoft paves the way to quantum at scale during IEEE Quantum Week 2022 >

September 19, 2022 • 4 min read



By [Krysta Svore](#), Distinguished Engineer, Azure Quantum

Microsoft aims to empower innovators with quantum at scale for breakthrough impact. Learn how during IEEE Quantum Week 2022. [Read more](#)

Goldman Sachs

Using Q# to estimate resources needed for quantum advantage in derivative pricing >

September 15, 2022 • 6 min read



By [Microsoft Quantum Team](#)

By working with Q# implementation Goldman Sachs improves the accuracy and flexibility of resource estimates for quantum advantage in derivative pricing. [Read more](#)

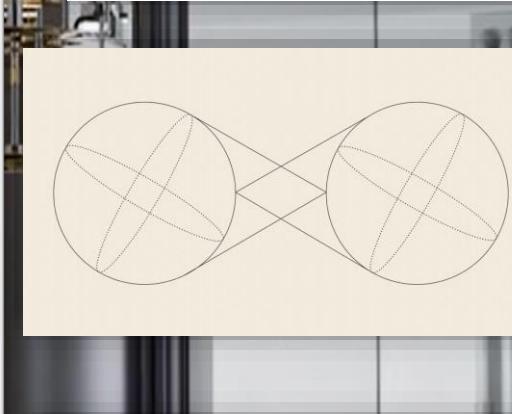
What is Azure Quantum?

Article • 09/15/2022 • 13 minutes to read • 11 contributors



Azure Quantum is the cloud quantum computing service of Azure, with a diverse set of quantum solutions and technologies. Azure Quantum ensures an open, flexible, and future-proofed path to quantum computing that adapts to your way of working, accelerates your progress, and protects your technology investments.

Azure Quantum provides the best development environment to create quantum algorithms for multiple platforms at once while preserving flexibility to tune the same algorithms for specific systems. You can write your code once and run it with little to no change against multiple targets of the same family which allows you to focus your programming at the algorithm level.

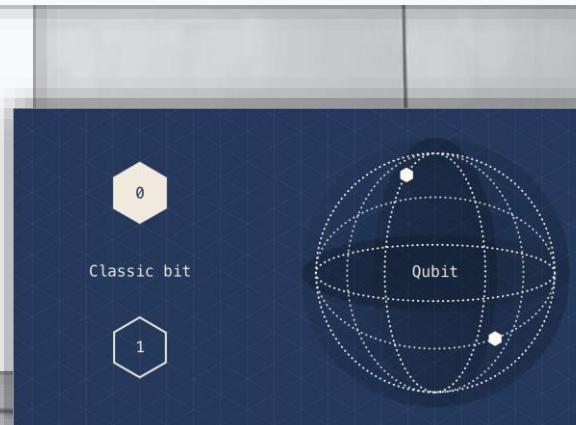


Superposition

In superposition, quantum particles are a combination of all possible states. They fluctuate until they're observed and measured. One way to picture the difference between binary position and superposition is to imagine a coin. Classical bits are measured by "flipping the coin" and getting heads or tails. However, if you were able to look at a coin and see both heads and tails at the same time, as well as every state in between, the coin would be in superposition.

Entanglement

Entanglement is the ability of quantum particles to correlate their measurement results with each other. When qubits are entangled, they form a single system and influence each other. We can use the measurements from one qubit to draw conclusions about the others. By adding and entangling more qubits in a system, quantum computers can calculate exponentially more information and solve more complicated problems.



Showcase of the Month



IT Showcase

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



Microsoft Showcase Series



Inside Track

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

Oct 7, 2022 | Josh Krenz

Meet OneExpense, the automated expense reporting backend transforming Microsoft

Filing expenses exist for pretty much everyone. At Microsoft, employees are now empowered by a no and low touch reimbursement process that uses automation and machine learning to perform micro-actions on behalf of the users. With OneExpense, Microsoft's new automated expense reporting architecture, the company has transformed the entire expense process while sunsetting its previous...

Sep 27, 2022 | Stacy Souza

Rethinking supplier content at Microsoft with Microsoft Power Automate

Connecting and communicating with a global network of suppliers, vendors, and business partners is no small task. Microsoft is tackling this challenge internally with Microsoft Power Automate, a cloud-based app that creates automated workflows. The result? Content that previously took the company days or weeks to deliver can now be published in minutes. Microsoft SupplierWeb...

Sep 26, 2022 | Alexa Phillips

Transforming how Microsoft executives use their time with Microsoft Outlook calendar analytics

Executives at Microsoft are using calendar analytics to save themselves something precious—their time. No matter who you are, if you don't stay on top of your calendar, it can take on a life of its own. It's very easy to lose control of how many events and meetings we have each day, week, or month....

Microsoft Learning and Training : New Sessions



Virtual workshops and training

Our interactive virtual workshops and training sessions are taught live by Microsoft Store associates for an in-person experience—wherever you are.

Get started with
Microsoft Power
Virtual Agents



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Get started with
Microsoft Power
Automate



[See all 7 sessions >](#)



Learn to be
cyber smart
with Microsoft
security foundations



[See 2 sessions >](#)



Device management
with Microsoft Intune

[See all 18 sessions >](#)

Get Started
with Power BI
service



[See all 5 sessions >](#)

Microsoft Virtual Training Days

Microsoft Events and Training: Updates



Microsoft Virtual Training Days

Events Catalog

Microsoft Ignite
October 12–14, 2022

Microsoft Power Platform Virtual Training Day: Automate Business Processes

11/3/2022 12:00 PM (EST)

[Register Now >](#)

Microsoft Azure Virtual Training Day:
AI Fundamentals

11/8/2022 1:00 PM (EST)

[Register Now >](#)

Microsoft Azure Virtual Training Day:
Linux OSS Database Migration

12/1/2022 1:00 PM (EST)

[Register Now >](#)

Microsoft Azure Virtual Training Day:
Well-Architected

10/25/2022 12:00 PM (EST)

[Register Now >](#)

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 Enterprise Skills Initiative (ESI)

self-paced learning, virtual training, instructor-led training, certifications



Enterprise Skills Initiative (ESI) continues*

- We have increased capacity and number of offerings.
- ESI covers training and certification for Azure technology.
- New: now also covers Security technology for eligible customers.
- ESI has options for different learning styles and stages:
 - Training is available as self-paced, instructor-led, Event.
 - Other training formats (e.g. Open Hack, GitHub, Cloud Skills Challenge) planned. ETA to be announced later.
 - Free exam vouchers available for eligible customers.
 - Free practice tests available for eligible customers.

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

Try it: <https://esi.microsoft.com>

1. Microsoft enables your organization for the Customer Experience Portal (CxP)
2. Login with your work account
 - *Authentication is federated, meaning you may see Multi-Factor Authentication from your organization if this has been configured by your administrator.*
3. Create your learning profile
4. Start your skilling

Discover & Explore

Uncover the latest technologies and imagine new ways to create solutions



Learn skills

Choose the way you want to learn and grow your expertise



Prove skills

Demonstrate your knowledge and abilities



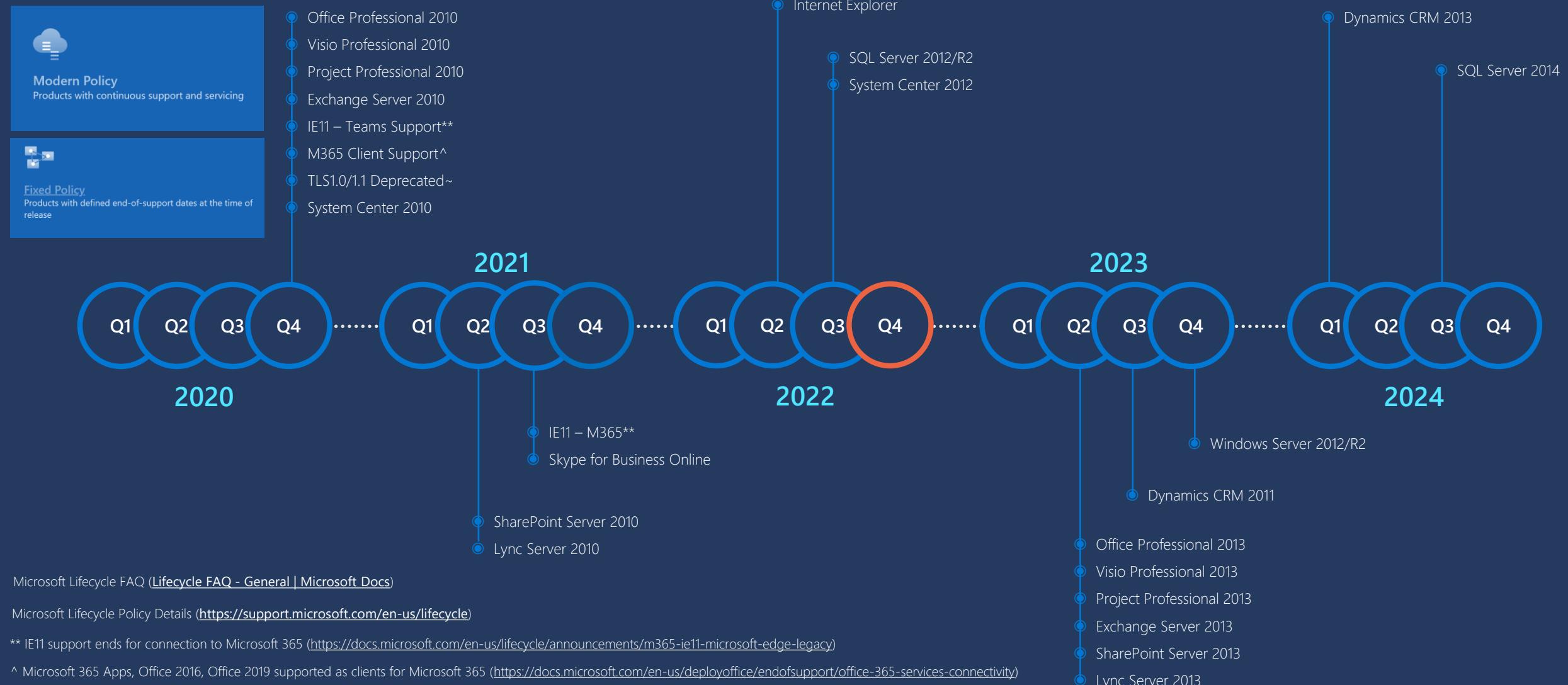
Login not working? Your organization may need to be onboarded to ESI. Please talk to your Microsoft Account Team.

Product Lifecycles

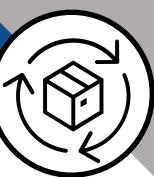




End of Service Roadmap to 2024



Microsoft Product Lifecycle: Modern Policy Products that will Retire



Products under Modern Policy that will Retire in 2022

Products that will Retire in 2022 (<u>Modern Policy</u>)	End of Support Date
Dynamics 365 for Talent	February 2, 2022
Dynamics 365 Field Service (on-premises)	June 30, 2022
Microsoft Machine Learning Server (Microsoft R Server)	July 1, 2022
Windows Server	August 9, 2022

Products under Modern Policy that will Retire in 2023

Products that will Retire in 2023 (<u>Modern Policy</u>)	End of Support Date
Microsoft Azure Virtual Machine (classic)	March 1, 2023
Windows 11 Home and Pro (Version 21H2)	October 10, 2023

Lifecycle data export

Export all products

Export lifecycle data for all products by clicking below:

[Export All Products](#)

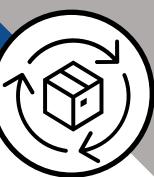
Announcements

- ⌚ 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
- ⌚ Windows Server Semi-Annual Channel retiring on August 9, 2022
- ⌚ Office 2013 ends support in one year
- ⌚ Support extended for Dynamics 365 for Customer Engagement Apps, v9 (on-premises)

[See more >](#)

Microsoft Product Lifecycle: Modern Policy Reaching End of Servicing



Products Release End of Servicing for 2022

Products Moving to End of Servicing (Modern Policy)	End of Servicing Date
Microsoft Endpoint Configuration Manager, Version 2006	February 11, 2022
Dynamics 365 Business Central on-premises (Modern Policy), 2020 release wave 2, version 17.x	April 12, 2022
.NET 5.0	May 8, 2022
Windows 10 Enterprise and Education, Version 1909 Windows 10 Home and Pro, Version 20H2 Windows 10 IoT Enterprise, Version 1909	May 10, 2022
Microsoft Endpoint Configuration Manager, Version 2010	May 30, 2022
Azure Active Directory (AD) Connect, Version 1.x	August 31, 2022
Microsoft Endpoint Configuration Manager, Version 2103	October 5, 2022
Dynamics 365 Business Central on-premises (Modern Policy), 2021 release wave 1, version 18.x	October 11, 2022
.NET Core 3.1 (LTS)	December 3, 2022
Windows 10 Enterprise and Education, Version 21H1 Windows 10 Home and Pro, Version 21H1 Windows 10 IoT Enterprise, Version 21H1	December 13, 2022

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
Windows 10 Home and Pro, Version 21H2	June 13, 2023
Azure Dev Spaces	October 31, 2023

Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2022



Products Reaching End of Support for 2022

Products Moving to End of Support (Modern Policy)	End of Servicing Date	Products Moving to End of Support (Modern Policy)	End of Servicing Date
Visual Studio LightSwitch 2011 Windows 7, Extended Security Update Year 2* Windows Server 2008, Extended Security Update Year 2 Windows Server 2008 R2, Extended Security Update Year 2	January 11, 2022	Microsoft Forefront Identity Manager 2010 Microsoft Forefront Identity Manager 2010 R2 SQL Server 2016, Service Pack 2 Visual Studio 2019, Version 16.9 Windows Embedded POSReady 7, Extended Security Update Year 1* Windows Embedded Standard 7, Extended Security Update Year 2*	October 11, 2022
AppFabric 1.1 for Windows Server Dynamics AX 2009 Dynamics AX 2012 Dynamics AX 2012 R2 Visual Studio 2019, Version 16.7	April 12, 2022	Azure StorSimple 1200 Series Azure StorSimple 8000 Series StorSimple Data Manager	December 31, 2022
Microsoft .NET Framework, .NET Framework 4.5.2 Microsoft .NET Framework, .NET Framework 4.6 Microsoft .NET Framework, .NET Framework 4.6.1	April 26, 2022		
Internet Explorer 11 on Windows 10	June 14, 2022		
Cloud Platform System Microsoft Report Viewer Redistributable 2012 Microsoft SQL Server 2008, Extended Security Update Year 3 Microsoft SQL Server 2008 R2, Extended Security Update Year 3 Microsoft SQL Server 2012 Microsoft System Center 2012 App Controller Microsoft System Center 2012 Configuration Manager Microsoft System Center 2012 Data Protection Manager Microsoft System Center 2012 Endpoint Protection Microsoft System Center 2012 Operations Manager Microsoft System Center 2012 Orchestrator Microsoft System Center 2012 R2 App Controller Microsoft System Center 2012 R2 Configuration Manager Microsoft System Center 2012 R2 Data Protection Manager Microsoft System Center 2012 R2 Endpoint Protection Microsoft System Center 2012 R2 Operations Manager Microsoft System Center 2012 R2 Orchestrator Microsoft System Center 2012 R2 Service Manager Microsoft System Center 2012 R2 Virtual Machine Manager Microsoft System Center 2012 Service Manager Microsoft System Center 2012 Virtual Machine Manager Windows Azure Pack (on Windows Server 2012 R2)	July 12, 2022		

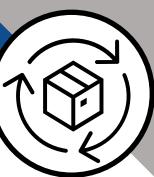
Microsoft Product Lifecycle: Fixed Policy Reaching End of Support 2023



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 Hyper-V Server 2012 Hyper-V Server 2012 R2 Internet Information Services (IIS), IIS 8.5 on Windows 8.1 Microsoft Diagnostics and Recovery Toolset 8.0 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 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: Products moving to Extended Support



Products Moving to Extended Support for 2022

Products Moving to Extended Support (Fixed Policy)	End of Support Date
BizTalk Server 2016	January 11, 2022
Dynamics NAV 2017	
HPC Pack 2016	
Hyper-V Server 2016	
Microsoft Host Integration Server 2016	
System Center 2016 Data Protection	
System Center 2016 Operations Manager	
System Center 2016 Orchestrator	
System Center 2016 Service Manager	
System Center 2016 Virtual Machine Manager	
Visual Studio Team Foundation Server 2017	
Windows Azure Pack (on Windows Server 2016)	
Windows Server 2016	
Windows Storage Server 2016	
Visual Studio 2017	April 12, 2022
SQL Server 2017	October 11, 2022

Products Moving to Extended Support for 2023

Products Moving to Extended Support (Fixed Policy)	End of Support Date
Dynamics GP 2018	January 10, 2023
Dynamics GP 2018 R2	
Dynamics NAV 2018	
Visual Studio Team Foundation Server 2018	
Dynamics SL 2018	July 11, 2023
Access 2019	October 10, 2023
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	



Acquisitions and Announcements

Microsoft Acquisitions - 2022



Company	Date	Description
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 Pyschonauts, 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 .

THANK YOU