



Microsoft

Monthly Technical Update

JULY 2022



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

Microsoft

- [EU Corporate Sustainability Reporting Directive \(CSRD\)](#)
- [Black hat Security Conference August 2022](#)
- [Microsoft Exchange Conference 2022](#)
- [GIT Merge 2022](#)
- [Microsoft Envision – September 2022](#)
- [Microsoft Tech Community Blog depot](#)
- [Microsoft Official Blog](#)
- [TechCommunity Events](#)

Announcements and Tips

New trends with Microsoft Technology

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

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

Security and Compliance

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

Showcase of the month

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

Microsoft 365 update information

Product Lifecycles

Acquisitions and Announcements

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

EU Corporate Sustainability Reporting Directive (CSRD)

After GDPR, the upcoming **Corporate Sustainability Reporting Directive (CSRD)** will be another law with **groundbreaking global impact**. Organizations need to prepare globally.



based on the common **ESG reporting** (Environmental, Social, Governance).



Extends the scope of companies in Europe under this directive



Extends the scope and depth of what to report



Reporting standards based on **EU Taxonomy For Sustainable Activities**



Requires the report to be audited to ensure accuracy



Will impact all companies doing business with EU customers – due to “Supply Chain Reporting” (Scope 2/Scope 3) requirements.

Microsoft

- **Microsoft Cloud for Sustainability**
- Modularity and Data Model allow for Partner value add .

Types of legislation (europa.eu)

- **Regulation** is a binding legislative act that applies directly at the national level.
- **Directive** sets out a goal but must be applied by national law to achieve these goals.



Greenhouse Gas Emissions (GHG) measurement

Scope

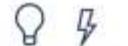
1



Direct emissions created by your activities, like exhaust from company vehicles or diesel generators

Scope

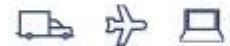
2



Indirect emissions from the production of electricity or heat you use to power buildings or processes

Scope

3



Indirect value chain emissions from all other activities in which you're engaged, including all parts of your supply chain, from materials in buildings, business travel, and product lifecycle to the electricity your customers consume

Carbon neutral: A company becomes carbon neutral by reducing their emissions and/or paying others to not emit an equivalent of their remaining emissions.

Carbon net zero: An organization is considered net zero carbon when it removes as much carbon as it emits.

Carbon negative: A company is carbon negative when it removes more carbon than it emits each year.



REGISTER NOW

AUGUST 6-11, 2022

MANDALAY BAY / LAS VEGAS
+ VIRTUAL



ATTEND TRAININGS BRIEFINGS ARSENAL FEATURES SCHEDULE BUSINESS HALL SPONSORS PROPOSALS

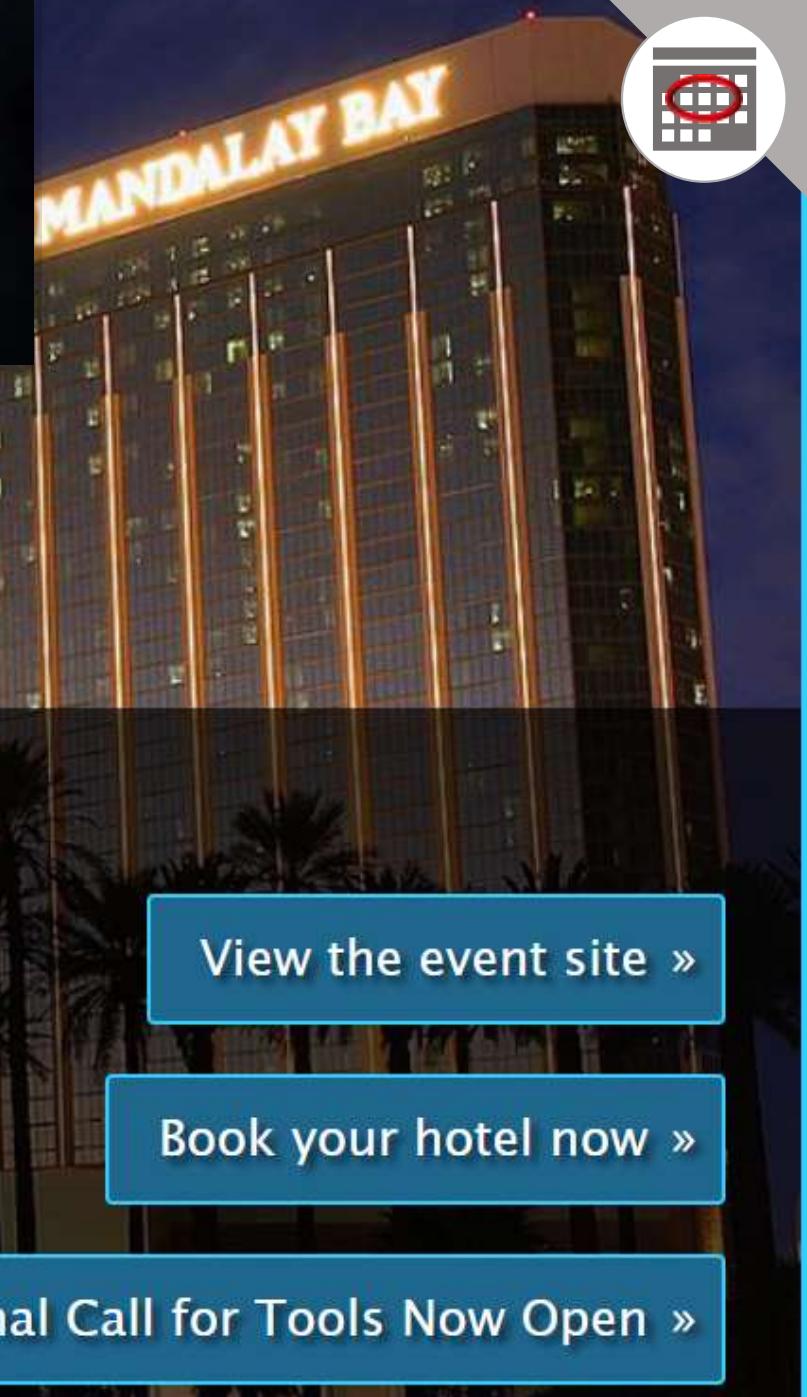
All times are Pacific Time (GMT/UTC -7h)

BLACK HAT USA 2022

August 6–11, 2022

Mandalay Bay Convention Center, Las Vegas

+ Virtual





Microsoft Exchange Community (MEC)

Technical Airlift

September 13-14, 2022

[Home](#)

Welcome to the Microsoft Exchange Community (MEC) Technical Airlift 2022!

[Register now!](#)

Welcome to the MEC Technical Airlift! This is a free, digital event for IT professionals who work with Exchange Online and/or Exchange Server day-to-day, and ISVs and developers who make solutions that integrate with Exchange.

MEC will be THE place for the Exchange community to come together to explore new innovations and information. It features learning opportunities, breakout sessions, and time with members of our passionate engineering teams. You'll also hear from some of the best-known names in Exchange around the world and get engaged in the community.

We're thrilled to bring back MEC, and excited to get into conversations with you about everything Exchange Online, Exchange Server, and Exchange Hybrid.

Prepare yourself for two days jam-packed with networking, unparalleled access to Exchange engineers and MVPs and, of course, the most in-depth information on Exchange you'll find anywhere.

Exchange Server Roadmap

This session provides the roadmap for Exchange Server for 2022 and beyond. Find out what's coming to Exchange Server over the next months and years and how you can get early access to new builds and features.

Expanding usage and security of email in Exchange Online

Email remains at the heart of business communications and workflow, and in this session, the Exchange Online Transport team will share how we're improving email security and adding new email functionality to support a broader range of email solutions and scenarios. New support for security features like DANE, DNSSEC, and MTA-STS, plus updates on features like M&A alias support and EAC mail flow updates are a few of the topics we'll discuss.

Exchange Online Transport Future Initiatives: Bulk Mail and Exchange Transport Rules

The Exchange Online Transport team is planning significant future investments in both a bulk mail offering for line of business solutions as well as the ETR platform and user experience. Now is the perfect time for you to engage with us on the ground floor of our efforts with your requirements and ideas for these future initiatives.

Basic Auth Deprecation in Exchange Online - This Time We Mean It!

Once upon a time, back in 2019 we said we would turn off Basic auth in Exchange Online. In 2021, we started doing it. By the start of 2022 we had already disabled it for millions of tenants, but we're not done yet. This session will give you the inside story on how we are doing it, how it's going, what we built to help us along the way, where we're going, and for the first time, we will share some details on our progress.



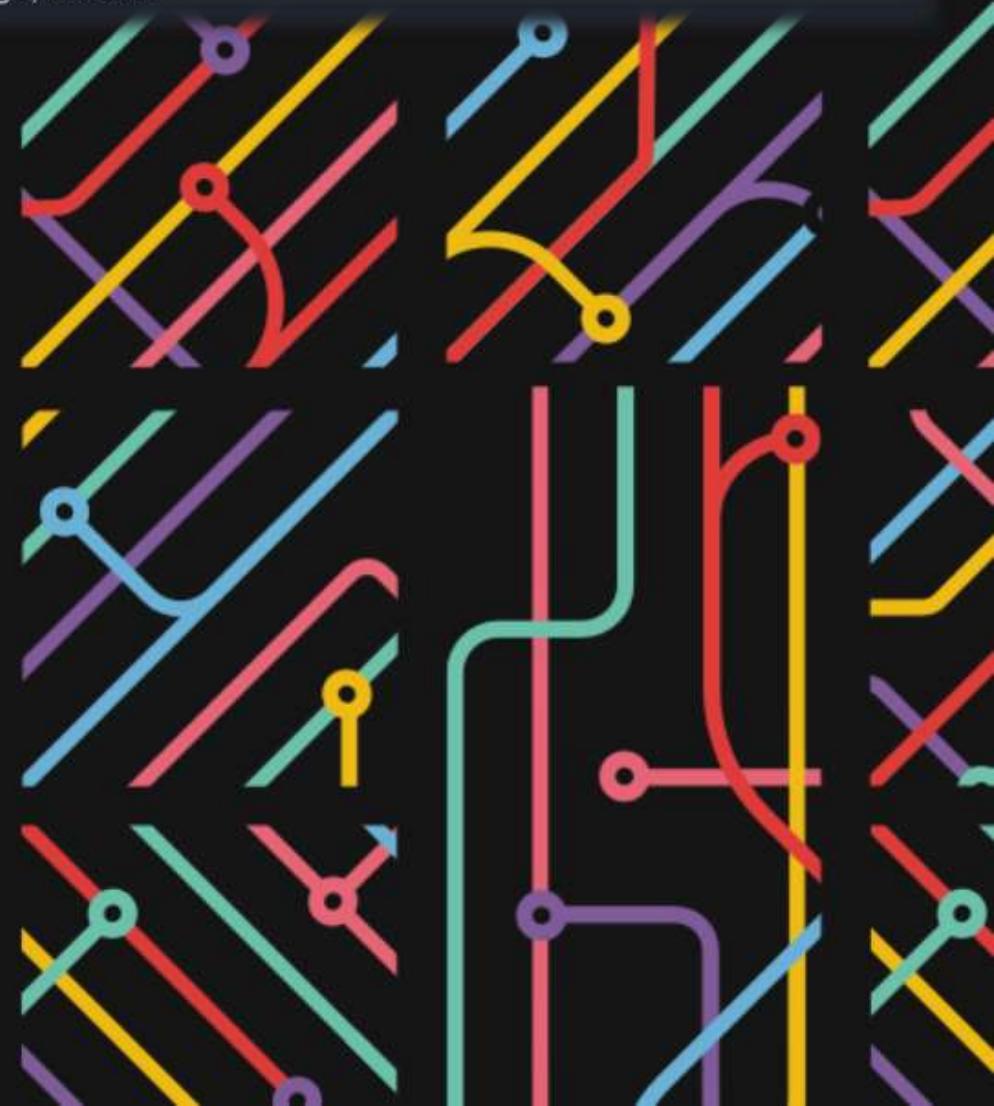


Git Merge 2022

Git Merge, the conference dedicated to bringing the Git community together returns on September 14-15 in Chicago, Illinois.

GIT MERGE 2022

September 13-14, 2022



Microsoft Envision :: September 2022 – New season kickoff



We're preparing a new season experience!

Register to join us on September 27 for a discussion on the latest technology and business trends.

[Register now](#)

Microsoft Envision

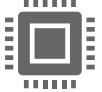
Microsoft Envision is a digital series where you'll join thought leaders from across industries to explore today's critical business and technology trends and innovations. Get ready to gain fresh insights and connect with peers from across the globe.

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

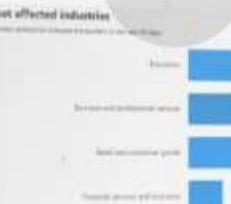
Most affected industries

Reported enterprise malware encounters in the last 30 days.

Telecommunications

Show all industries >

Devices with encounters:
169,046 (2.43%)



July 14, 2022 • 13 min read

North Korean threat actor targets small and midsize businesses with H0lyGh0st ransomware

A group of actors originating from North Korea that MSTIC tracks as DEV-0530 has been developing and using ransomware in attacks since June 2021. This group, which calls itself H0lyGh0st, utilizes a ransomware payload with the same name.

Telecommunications

Top threats:

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

July 5, 2022 • 16 min read

Hive ransomware gets upgrades in Rust

With its latest variant carrying several major upgrades, Hive proves it's one of the fastest evolving ransomware payload, exemplifying the continuously changing ransomware ecosystem.

June 30, 2022 • 17 min read

Toll fraud malware: How an Android application can drain your wallet

Toll fraud malware, a subcategory of billing fraud in which malicious applications subscribe users to premium services without their knowledge or consent, is one of the most prevalent types of Android malware – and it continues to evolve.

Worldwide

82,384,464 devices with encounters

Top threats:

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

July 12, 2022 • 13 min read

From cookie theft to BEC: Attackers use AiTM phishing sites as entry point to further financial fraud

A large-scale phishing campaign that attempted to target over 10,000 organizations since September 2021 used adversary-in-the-middle (AiTM) phishing sites to steal passwords, hijack a user's sign-in session, and skip the authentication process, even if the user had enabled multifactor authentication (MFA).

Select a region ▾

June 29, 2022 • 6 min read

Microsoft at RSA 2022: Envisioning the future of security

The 2022 RSA Conference was a great success, drawing 26,000 attendees to three days of cutting-edge security sessions, tutorials, seminars, and special events at Moscone Center in San Francisco. Microsoft Security was on the ground, interacting with customers and security professionals at Microsoft's 20-plus earned sessions, as well as showcasing new solutions like Microsoft Entra that help realize our goal of comprehensive security.

[Read more >](#)

July 13, 2022 • 9 min read

Uncovering a macOS App Sandbox escape vulnerability: A deep dive into CVE-2022-26706

Microsoft uncovered a vulnerability in macOS that could allow specially crafted codes to escape the App Sandbox and run unrestricted on the system. We shared these findings with Apple, and fix for this vulnerability, now identified as CVE-2022-26706, was included in the security updates on May 16, 2022.

June 20, 2022 • 3 min read

Securing your IoT with Edge Secured-core devices

To simplify your IoT security journey, today, we're announcing the availability of Windows IoT Edge Secured-core devices available in the Azure Certified Device catalog from Lenovo, ASUS and AAEON, additionally we're also announcing the availability of devices that meet the Microsoft sponsored Edge Compute Node protection profile which is governed with industry oversight, from Scalys and Eurotech. And learn more on Microsoft's investments in MCU security.



July 11, 2022 • 4 min read

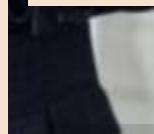
Introducing security for unmanaged devices in the Enterprise network with Microsoft Defender for IoT

Microsoft Defender IoT is generally available to help organizations challenged with securing unmanaged Internet of Things devices connected to the network.

June 27, 2022 • 4 min read

4 breakthrough ideas for compliance and data security

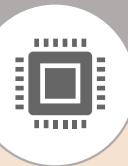
Learn how Zero Trust and other data protection strategies can help you overcome four key challenges in compliance management and data governance.



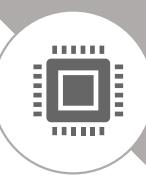
June 23, 2022 • 6 min read

Detecting malicious key extractions by compromised identities for Azure Cosmos DB

Azure Cosmos DB is a fully managed NoSQL cloud database service for modern app development. It offers a variety of advanced built-in features, such as automatic worldwide data replication, lightning-fast response times, and a variety of APIs. In this blog post, we describe security practices for securing access to Azure Cosmos DB and show how monitoring relevant control plane operations can help in the detection of potentially compromised authorization.



Microsoft Defender Vulnerability Management :: Public Preview



Microsoft Defender Vulnerability Management Preview

Reduce cybersecurity risk with continuous vulnerability discovery and assessment, risk-based prioritization, and remediation.

Defender Vulnerability Management delivers:

- Asset Discovery and Inventory
- Continuous Vulnerability and Misconfiguration Assessments
- Security Baseline Assessments
- Expert-level Threat Monitoring and Analysis
- Prioritized Security Recommendations
- Blocks Vulnerable Applications
- Seamlessly Remediate and Track Progress

Defender Vulnerability Management provides continuous monitoring and alerts through the agent-based module built into devices and authenticated scanning.

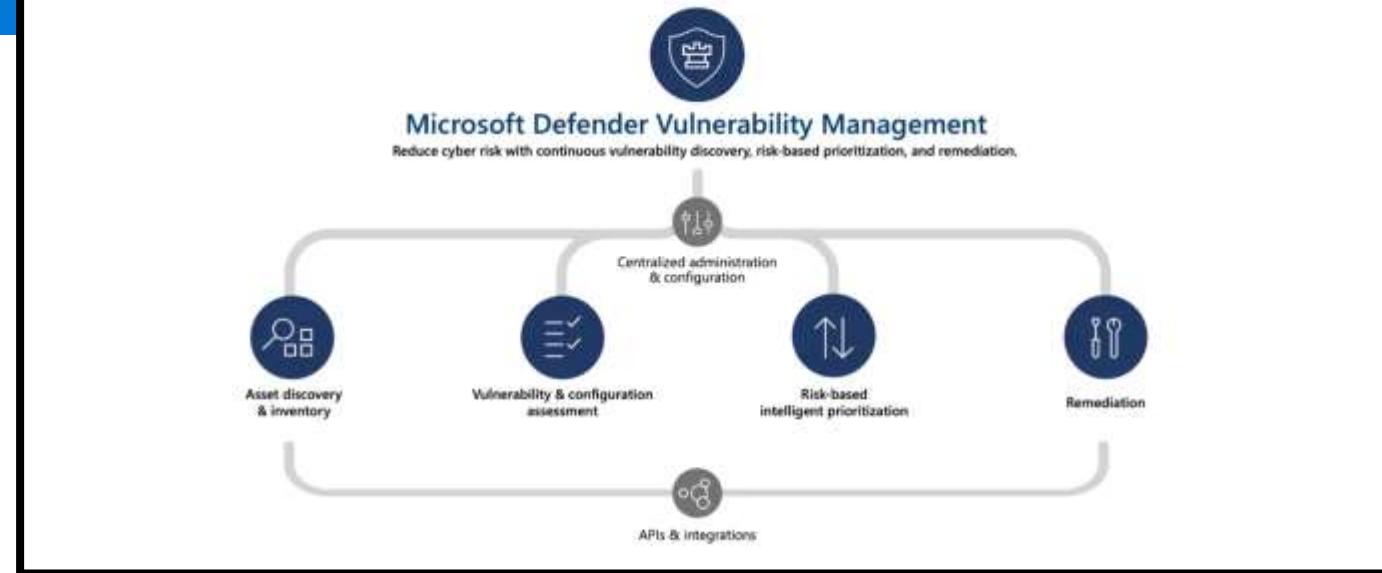
- Uses Microsoft threat intelligence
- Creates breach likelihood predictions
- Develops business contexts
- Runs device assessments

Defender Vulnerability Management rapidly and continuously prioritizes the biggest vulnerabilities on your most critical assets and provides security recommendations to mitigate risk.

- Automated remediation tools
- Built-in workflows
- See Real-time measurements through your organization's exposure score
- Leverages Microsoft Secure Score for Devices
- Use security baselines assessment to empower teams to bridge workflow gaps, quickly reduce risk, and track progress across the organization.



Defender Vulnerability Management **rapidly and continuously prioritizes** the biggest vulnerabilities on your most critical assets **and provides security recommendations to mitigate risk**.



Download the solution brief

Explore how Defender Vulnerability Management helps discover, assess, and remediate risk.

Download

Defender Vulnerability Management documentation

Learn about each capability in depth and how it can help you protect your organization.

Learn more



Microsoft 365 update information

Microsoft Teams Blog:

What's New in Microsoft Teams | June 2022

Holly Lehman on Jun 30 2022 03:00 AM

Welcome to the June edition of "What's New in Microsoft Teams". We continue to move into the world of hybrid meetings, ...

New for This Month:

- [Multi-Language meeting invite control](#)
- [Multitasking panel for meetings on iPad](#)
- [Meeting Chat Bubbles on iOS and Android](#)
- [Co-organizer Meeting Role](#)
- [Disable chat write access for anonymous or unauthenticated users](#)
- [Integrated CART captioning in meetings on Web](#)
- [Live Captions and transcriptions for Teams meetings on Web](#)
- Additional spoken languages available for Live captions and transcriptions for Teams Meetings
- Usability improvements to notifications in meetings for Android
- Support of Transcription for Teams on VDI for Azure Virtual Desktop
- [Give and Take Control for Teams on VDI for VMware and Azure Window Desktop](#)
- [Dynamic caller ID for call queue agents](#)

Devices:

- Teams Button long press to Raise Hand during meeting
- [Yealink MeetingBoard 65"](#)
- Biamp Tesira ForteX and Devio SCX
- [Poly Studio R30](#)
- [Dell UltraSharp 32 4K Video Conferencing Monitor](#)
- [EPOS C10, C20, C50](#)
- [Yealink UH38 Series](#)
- [Jabra Engage55](#)

Chat and Collaboration

- Microsoft Teams chat embedded within Dynamics 365
- E-signature approvals on mobile - view and take action
- [E-sign approvals fully embedded within Team Approvals for a streamlined experience](#)
- DocuSign e-signature approvals in chats & channels
- [Open and edit PDF files in Teams](#)

Power Platform and Custom Development:

- Approvals in integrated SharePoint Lists
- Additional filters added to the approvals list

Management:

- Frictionless app re-install for users

Frontline Workers

- [Updates app in Microsoft Teams](#)

How Microsoft is rethinking the hybrid meeting room...

Lukas_Velush on Jul 11 2022 08:00 AM

Learn how Microsoft is using hybrid optimized spaces with Microsoft Teams to bring remote and in-person attendees together...

Government Cloud Updates : GCC-High and DoD Clouds:

- [Suggested Replies on mobile for Government Clouds](#)
- [Sensitivity labels for Teams templates for GCC](#)
- Manage meeting options
- Attendee restriction to remove another attendee from chat
- [Channel owner\(s\) can delete meeting chat messages within channel meetings](#)
- [Anonymous meeting join across clouds](#)
- [Music Mode](#)
- [Presenter mode: Controls to move and resize presenter video](#)
- [Integrated Communication Access Realtime Translation](#)
- [CART captioning in meetings](#)
- Give and Take Control for Teams on VDI for VMware and Citrix
- [Support of Live Caption for Teams on VDI for Vmware](#)
- Multi-window support for Teams for VDI for [Azure Virtual Desktop](#), [Windows 365](#) and Citrix
- [Dynamic Emergency Calling for work from home on VDI for Vmware](#)
- [Support of Transcription for Teams on VDI for Azure Virtual Desktop](#)
- [Bots in GCC-High](#)

What's New in Microsoft 365

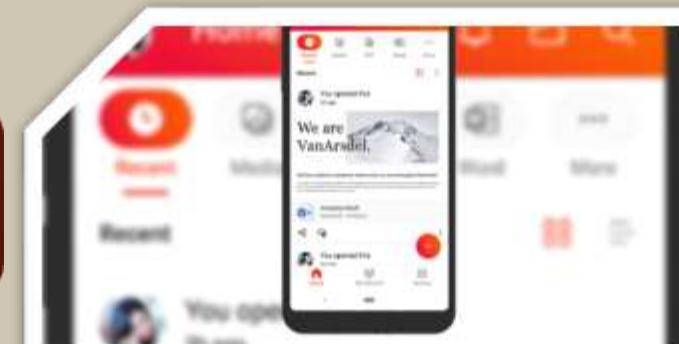


[M365 Blogs](#), and [Administrative Blogs](#) covering Office 365, Enterprise Mobility + Security and Windows ::



Microsoft 365 Updates:

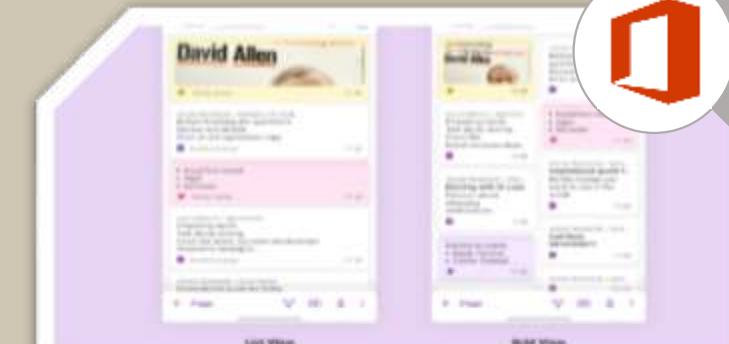
- New Notifications Pane : Stay connected with notifications you might have missed
- Updated Outlook search including events, flights, and people.
- Use an example record to import data to your Excel workbook



Announcing the availability of Quick Access filters in...

kumarsnehansu on Jun 30 2022 09:00 AM

Learn more about Quick Access filters now available on Office app for Android!



Refreshing the OneNote app on Android mobile

OneNotePM on Jul 11 2022 10:00 AM

Introducing the new OneNote home page and quick capture bar on Android mobile!

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.

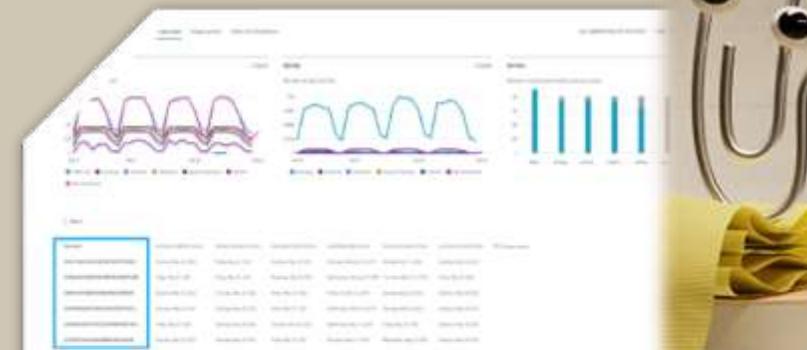
[Using this roadmap](#)

[Roadmap improvements](#)

Announcing the general availability of idle session...

Namit Gupta on Jun 28 2022 10:00 AM

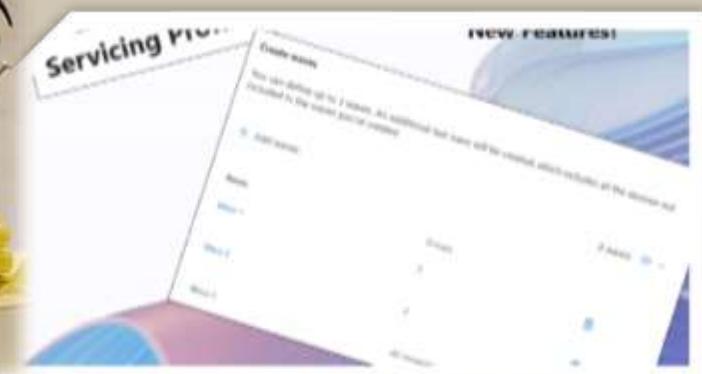
Learn how the policy protects sensitive data from unauthorized access on Microsoft 365 web apps.



Privacy changes and API support for Microsoft 365 usage...

James_Bell on Jun 23 2022 09:00 AM

Learn about new privacy changes and API support coming to Microsoft 365 usage reports.



Top customer-asked capabilities now available for...

Martin Nothnagel on Jun 20 2022 10:48 AM

New features coming to Servicing profiles, including custom update deployment waves and more!

Microsoft Power Platform

Power BI

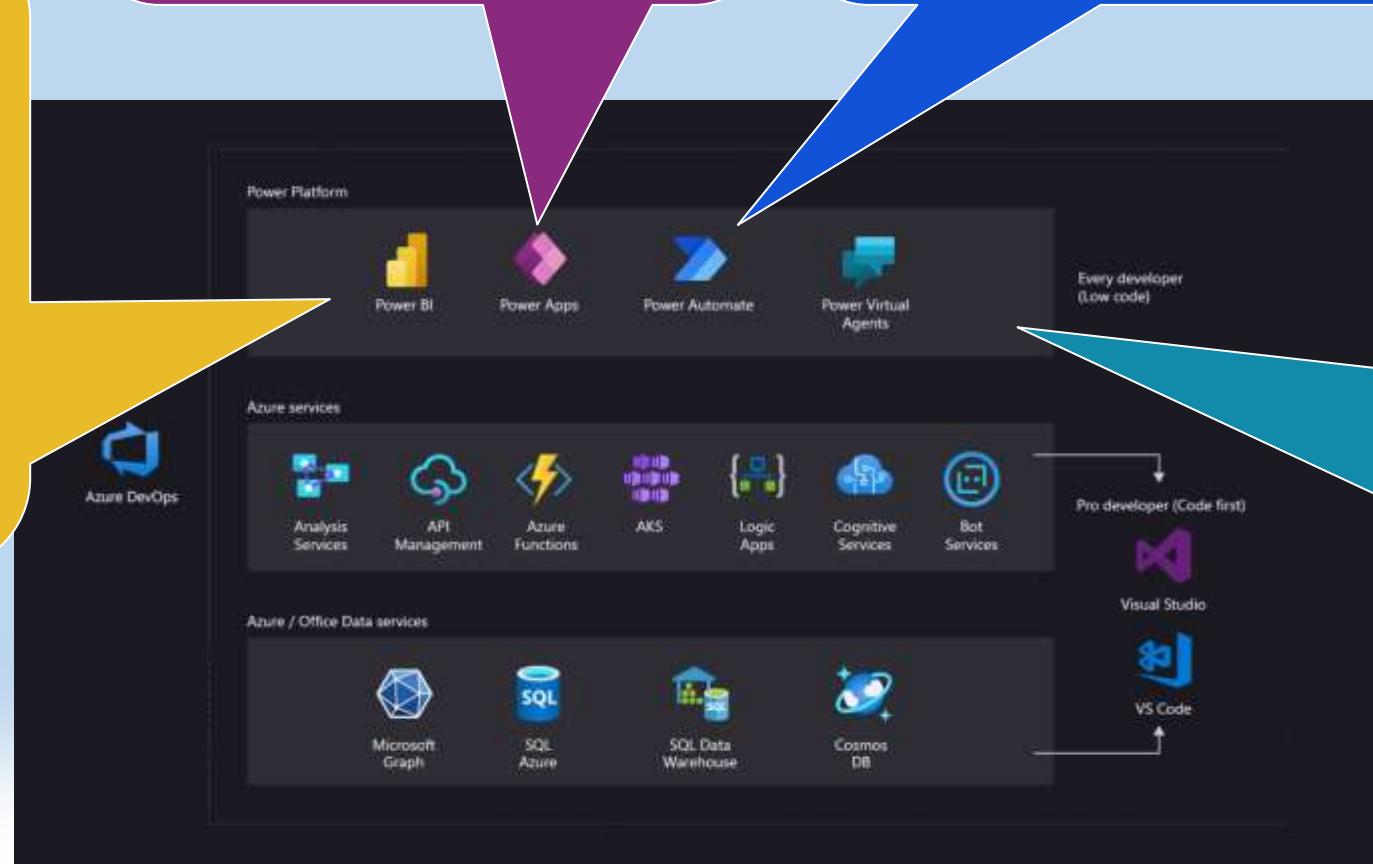
Power BI is a unified self-service and enterprise **analytics solution** that lets you **visualize your data** and share insights across your organization or embed them in your app or website. Azure analytics services and Power BI together allow you to quickly unlock insights for your entire organization.

Power Apps

Power Apps provides a low-code approach to **rapidly build apps for any device** while seamlessly working with Azure services through a rich extensibility model for professional developers.

Power Automate

Power Automate is a no-code automation platform that allows you to leverage previously off-limits legacy systems. Quickly **automate solutions** through simple workflow automation or through robust process automation using RPA.



Power Virtual Agents

Power Virtual Agents enables you to create intelligent no-code **chatbots** and easily integrate with existing services by calling customer workflows using Power Automate and extending bots with custom capabilities using **Bot Framework Skills**.

Power Platform and Dynamics



How to build a modern field service organization >

July 6, 2022 • 5 min read

By [Safiyah O'Quinn](#), Product Marketing Manager, Dynamics 365 Field Service

Field service organizations have traditionally operated under the break-fix model—that is, responding to a device failure after the customer reports an issue. This operating model has grown antiquated due to rising costs and inefficiencies in labor and operations. It is also proving less than effective in satisfying the customer's growing expectations. The field service industry...[Read more](#)



Delivering a seamless commerce experience: Unlocking omnichannel retailing with intelligent order management >

June 27, 2022 • 5 min read

By [Lili Lau](#), Senior Product Marketing Manager, Dynamics 365 Intelligent Order Management

The momentum of e-commerce continues. In fact, McKinsey & Company has stated that e-commerce shopping has 30 percent higher penetration than pre-COVID-19 pandemic, and that this pandemic has also accelerated e-commerce growth by five years.¹ The COVID-19 pandemic certainly explains part of the growth in the demand, but it is not the whole story. Other...[Read more](#)



2022 release wave 2 plans for Dynamics 365 and Power Platform now available >

July 12, 2022 • 8 min read

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

On July 12, 2022, we published the 2022 release wave 2 plans for Microsoft Dynamics 365 and Microsoft Power Platform, a compilation of new capabilities that are planned to be released between October 2022 and March 2023. This second release wave of the year offers hundreds of new features and enhancements, demonstrating our continued investment to...[Read more](#)

Roadmaps and Release plans:

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

- “Data in space” - Now Power BI can be everywhere :: Preview
- [Power Bi – June 2022 features and Services :: Summary](#)
- [SQL Server Reporting Services 2022 :: Public Preview](#)
- [Auto Updates for Power Apps & Dynamics CE :: Public Preview](#)
- [Important changes to Power Apps Portal](#)
- [Power Platform Developer Tools :: Refresh](#)
- [Dataverse Service Client :: Generally Available](#)
- [Power Automate for desktop – June 2022 update](#)
- [Make.powerautomate.com :: Preview](#)
- [13 New Verified Connectors and 14 Updates :: Released](#)



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

By Microsoft Power Automate Community



Convert Word files in OneDrive (Business) to PDF and store in SharePoint

By Microsoft Power Automate Community

Automated
6639

Developer and GitHub



Product

Introducing GitHub Skills

Today, we're announcing GitHub Skills, a new learning experience to help you throughout your GitHub journey.



Release Radar • May 2022 Edition

Each month, we highlight open source projects that have shipped major updates. These projects can include everything from world-changing technology to developer tooling, and weekend hobbies. We cover what the...

Michelle Manning June 16, 2022

Microsoft Developer Blogs:

- [Build Book of News](#)
- [Integrated Terminal in Visual Studio: New SSH integration for Linux targeting](#)
- [Analysis Services and Reporting Services extensions for Visual Studio 2022 :: Generally Available](#)
- [VS2022 Performance Enhancements: Git Branch Switching](#)
- [Integrated Terminal in Visual Studio: New SSH integration for Linux targeting](#)
- [vcpkg June 2022 Release: Force Download vcpkg Dependencies, Documentation Changes, and More](#)
- [Restricted access to Microsoft Teams data via EWS starts September 30, 2022](#)

GitHub Blog

- [What's new in Codespaces for Organizations](#)
- [Improving Git protocol security on GitHub Enterprise Server](#)
- [Creating a more comprehensive dependency graph with build time detection](#)
- [Introducing Achievements: recognizing the many stages of a developer's coding journey](#)

How the GitHub Security Team uses projects and GitHub Actions for planning, tracking, and more

Can projects and GitHub Actions be used by your non-developer teams? They absolutely can. Check out how our Security Team uses GitHub to run the department effortlessly.

 Ben Balter July 1, 2022

Top tips for creating a healthy and sustainable open source community

Read about the six key themes, and tips for each, that ensure sustainable and healthy open source communities.

 Michelle Manning July 7, 2022

Prebuilding codespaces is generally available

Teams and GHEC customers can now create blazing fast codespaces, even for your largest and most complex projects.

Tanmayee Kamath June 15, 2022

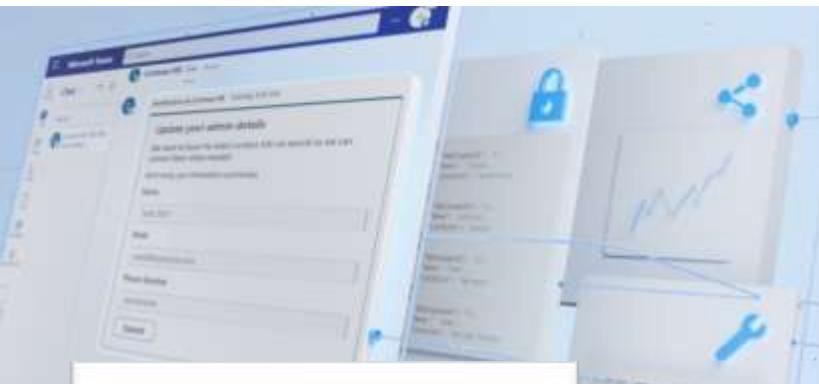
GitHub Copilot

GitHub Copilot is generally available to all developers

We're making GitHub Copilot, an AI pair programmer that suggests code in your editor, generally available to all developers for \$10 USD/month or \$100 USD/year. It will also be free to use for verified students and maintainers of popular open source projects.

Thomas Dohmke June 21, 2022

Office Developer Blogs and Microsoft 365 Dev Center



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 low-code apps and workflows with Power Platform

[Learn more](#)

Grow customer reach and engagement with apps built for Microsoft Viva

[Learn more](#)

Create customized experiences for Viva and SharePoint

[Learn more](#)

Design beautiful user experiences using Fluent UI

[Learn more](#)

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 >](#)

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

- [Build Apps for Microsoft Viva](#)
- [Microsoft Graph PHP SDK 2.0.0-RC5 :: Generally Available](#)
- [Changes to Microsoft 365 Apps usage reports API in Microsoft Graph](#)
- [Unified meetings apps in Microsoft Teams Voice over IP \(VoIP\) :: Preview](#)
- [New App Data and intelligence through Microsoft Graph](#)

Build powerful apps with Outlook and Office

[Learn more](#)

Build rich collaborative experiences with Microsoft Teams

[Learn more](#)

Azure



Azure Updates



Azure Announcements : Azure Blog

VMs, Features, & Announcements

- [Exporting device customizations and cloud properties in Azure IoT Central](#) :: Generally Available
- [Azure Archive Storage now available in South Africa North](#) :: Generally Available
- [Azure Digital Twins history](#) :: Generally Available
- [Azure Orbital Ground Station as Service extends life and reduces costs for satellite operators](#)
- [Ephemeral OS disk support for confidential virtual machines](#) :: Public Preview
- [Microsoft Purview data sharing for Azure Storage](#) :: Public Preview
- [Export device data under an organization in Azure IoT Central](#) :: Generally Available
- [Azure Key Vault secrets provider on Azure Arc enabled Kubernetes](#) :: Generally Available

Data, AI, Security, & Availability

- [Azure Active Directory authentication for exporting and importing Managed Disks](#) :: Public Preview
- [Application Insights standard test for synthetic monitoring](#) :: Generally Available
- [Azure IoT increases enterprise-level intelligent edge and cloud capabilities](#)
- [Smart tiering to vault-archive tier for Azure Backup](#) :: Limited Preview
- [Azure Backup multi-user authorization for recovery services vaults](#) :: Generally Available
- [Create an additional 5000 Azure Storage accounts within your subscription](#) :: Preview
- [Windows IoT on Arm64](#) :: Generally Available
- [Custom certificate authorities](#) :: Public Preview

Operations & Benefits

- [Azure Gateway Load Balancer](#) :: Generally Available
- [Discover how you can innovate anywhere with Azure Arc](#)
- [New API backend options in Azure Static Web Apps](#) :: Public Preview

Responsible AI investments and safeguards for facial recognition

Tuesday, June 21, 2022

Azure Cognitive Services deliver high-quality, consent-driven face recognition that developers use to power verification of human identities on mobile, desktop, and internet of thing (IoT) devices, as well as facial detection and redaction capabilities for accessibility, modern productivity, and privacy.

[Sarah Bird](#), Principal Group Product Manager, Azure AI

Digital transformation for manufacturers requires additional IT/OT security

Thursday, July 7, 2022

While every industry is vulnerable to a ransomware attack, manufacturers are at a particular risk. While digitization and automation have helped transform the industry, it has simultaneously opened up new attack vectors within organizations. With the risks so high, an enterprise-level solution that provides visibility and protection like Microsoft Defender for IoT is essential.

[Clayton Fernandez](#), IoT Sales Director, WW IoT Specialist Team

Azure Services Directory



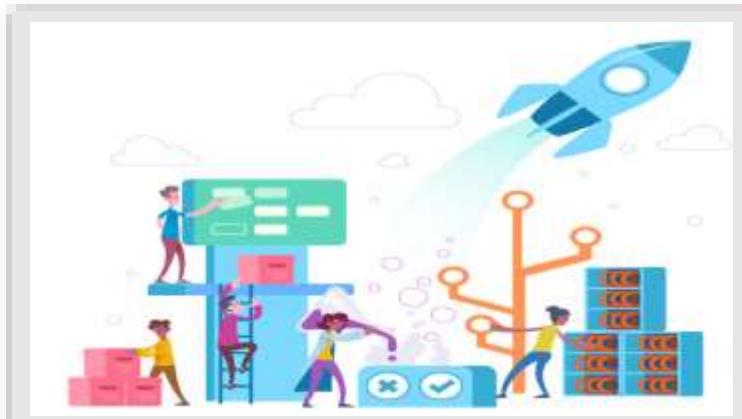
Azure Managed Grafana PREVIEW

Deploy Grafana dashboards as a fully managed Azure service

Fully managed service for analytics and monitoring solutions

Azure Managed Grafana : Preview

- ❖ Observe all telemetry data in one place
- ❖ [Prescriptive guides](#)
- ❖ Built-in support for [Azure Monitor](#) and [Azure Data Explorer](#)
- ❖ Fully managed service : Deploy Grafana without having to setup.
- ❖ High Availability, SLA guarantees and automatic updates
- ❖ [Secure Dashboard sharing with a dispersed team](#)
- ❖ [Integrated Identity Management with Azure AD](#)



Azure DevTest Labs

Quickly create environments using reusable templates and artifacts

Azure DevTest Labs

Provision and manage lab environments in Azure

- ❖ Set [lab policies](#) and report on [lab cost trends](#)
- ❖ Use [custom images](#) to quickly reproduce environments
- ❖ Create [formulas](#) to easily modify an environment's configuration at any time
- ❖ Use [REST API](#) to provision dev-test environments directly from your continuous integration (CI) tools.
- ❖ Quickly deploy from your release pipeline using our [Team Services tasks extension](#)
- ❖ Conduct compatibility and automated testing with reusable environment templates.



Azure Orbital PREVIEW

Satellite ground station and scheduling services for fast downlinking of data

Azure Orbital: Preview

- ❖ [Azure Orbital – ground station as a service](#)
- ❖ Fast and direct data ingestion using Orbital ground stations
- ❖ [Schedule satellite contacts across both partner and Microsoft](#) ground stations
- ❖ [Seamless data processing](#) in Azure with accelerated software modems
- ❖ [Extend your operator business and ground station network](#) with Azure's global infrastructure
- ❖ Comprehensive security and compliance, built in the largest compliance portfolio in the industry

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



Partnering with Microsoft to drive ambitious sustainability outcomes >

July 6, 2022 • 2 min read



By [Toby Powers](#), General Manager, Product Marketing, Industry, Apps, and Data Marketing

Building a more sustainable future—
together We've learned a lot
throughout our sustainability journey
at Microsoft over the last decade—
especially about the difference
sophisticated digital solutions can
make. In the lead-up to the launch of
Microsoft Cloud for Sustainability, we
were excited to bring an extensible
platform to market that would enable
organizations to build or...[Read more](#)



Microsoft Cloud for Manufacturing: Build agile factories of the future >

June 30, 2022 • 4 min read



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

In today's fast-paced manufacturing world, the ability to adapt quickly to rapid change is a defining factor between manufacturers that merely survive and those that thrive. As they face ongoing challenges like rising costs, supply chain issues, and skills gaps, many manufacturers are building agile, smart factories to ensure a resilient and sustainable future. These...[Read more](#)



The power of partnerships: Microsoft Energy and Resources celebrates collaboration and innovation >

June 30, 2022 • 4 min read



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

June is a celebratory time at Microsoft. As we close out our fiscal year, it's a moment to reflect not only on what we delivered as a team but also a time to look ahead to the exciting things we hope to accomplish in the coming year and beyond. None of these achievements would be...[Read more](#)



The power of embedding sustainability in design >

June 28, 2022 • 7 min read



By [Neetha Ravikumar](#), Director, Sustainability, GSI and Advisory Partners

Earlier this year, Bloomberg News performed an experiment. They mounted tiny tracking devices on plastic bags used by a British retailer to track the journey of the bags after they left the store.¹ In some cases, bags traveled as far as 2,000 miles from their point of origin. It is a classic example of the...[Read more](#)

Microsoft Sustainability



Sustainability Solutions for Industry

Introducing Microsoft Sustainability Manager—available June 1

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

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Optimize your building operations and infrastructure

See how to minimize the environmental impact of your physical spaces while reducing operating costs in the Sustainable Buildings guide.

[Download the guide](#)



Microsoft Cloud for Sustainability

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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.

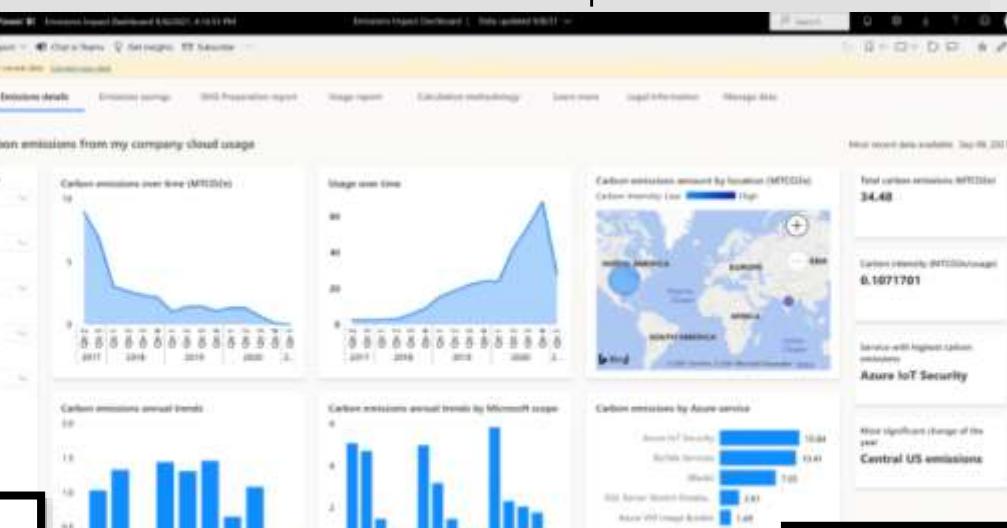
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Cloud carbon tracking for your path to net zero

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.

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Microsoft Research Blog



Swin Transformer supports 3-billion-parameter vision models that can train with higher-resolution images for greater task applicability >

Swin Transformer, a Transformer-based general-purpose vision architecture, was further evolved to address challenges specific to large vision models. As a result, Swin Transformer is capable of training with images at higher resolutions, which allows for greater task applicability (left), and scaling models up to 3...

June 21, 2022 by [Han Hu](#) and [Baining Guo](#)

AI4Science to empower the fifth paradigm of scientific discovery >

July 7, 2022 by [Christopher Bishop](#)

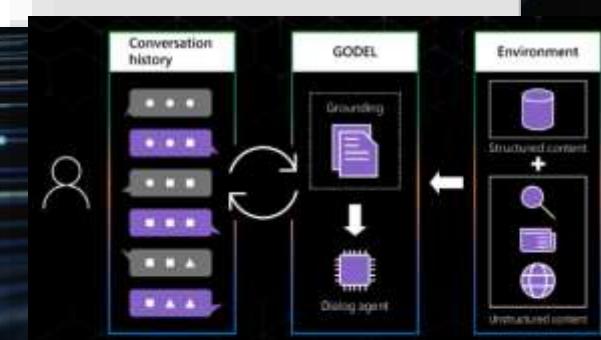
Over the coming decade, deep learning looks set to have a transformational impact on the natural sciences. The consequences are potentially far-reaching and could dramatically improve our ability to model and predict natural phenomena over widely varying scales of space and time. Could this capability...



Introducing the Microsoft Climate Research Initiative >

Addressing and mitigating the effects of climate change requires a collective effort, bringing our strengths to bear across industry, government, academia, and civil society.

June 29, 2022



GODEL: Combining goal-oriented dialog with real-world conversations >

They make restaurant recommendations, help us pay bills, and remind us of appointments. Many people have come to rely on virtual assistants and chatbots to perform a wide range of routine tasks. But what if a single dialog agent, the technology behind these language-based apps,...

June 23, 2022



ICLR 2022 highlights from Microsoft Research Asia: Expanding the horizon of machine learning techniques and applications >

ICLR (International Conference on Learning Representations) is recognized as one of the top conferences in the field of deep learning. Many influential papers on artificial intelligence, statistics, and data science—as well as important application fields such as machine vision, speech recognition, and text understanding—have been...

June 13, 2022



Microsoft Quantum

Get to know the world's first full-stack, open cloud quantum computing ecosystem

Azure Quantum PREVIEW

The most innovative quantum computing and optimization solutions converge in a single marketplace quantum service

```
/// # Summary
/// This operation applies Grover's algorithm
/// inputs to an operation to find a particular
operation SearchForMarkedInput (inubits : INT) :
using (qubits = Qubit [inubits]) {
    // Initialize a uniform superposition over
    PrepareUniform(qubits);
    // The search itself consists first repeated
    // marked state and our start state, which
    // is a for loop.
    for (idxIteration := 0...NIterations (inut
        ReflectAboutMarked(qubits);
        ReflectAboutUniform(qubits);
    }
    // Measure and return the answer.
    return ForEach (HReset, qubits);
}
```

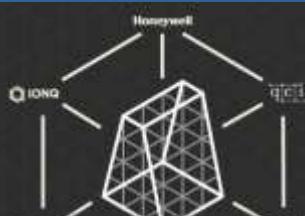
Grow your quantum skills

Join the growing global community of experts, enthusiasts, and quantum computing companies by learning the fundamentals of quantum computing concepts, operations, and Q# programming. Get started with a wide variety of learning resources for developers, researchers, and students, including free, self-paced Microsoft Learn courses and open-source GitHub katas.

Start learning

Q#: Quantum Programming Language Updates

- Q# is a high-level quantum-focused programming language offering an intuitive and modern approach to quantum program development.
- Q# allows you to focus your work at the algorithm and application level to create quantum programs.



Microsoft Quantum Network

The Microsoft Quantum Network is a community of pioneering individuals and organizations working together to develop practical solutions, grow talent through education, and build a worldwide quantum partner ecosystem.



TOSHIBA

Toshiba launches new SQBM+ quantum-inspired optimization provider on Azure Quantum >

June 27, 2022 • 2 min read

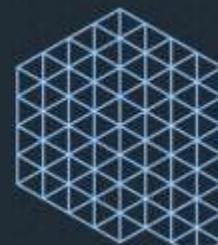


By [Anita Ramanan](#), Technical Program Manager Lead for Optimization, Azure Quantum

Toshiba's new SQBM+ on Azure Quantum, based on its Simulated Bifurcation Machine (SBM), is an Ising model solver that can solve complex and large-scale combinatorial optimization problems with up to 100,000 variables at high speed....[Read more](#)

Building a scalable quantum system

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Showcase of the Month



Microsoft Showcase Series



Inside Track

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How Microsoft used change management best practices to launch a new business intelligence platform

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Apps in Microsoft
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July 19-20, 2022

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Microsoft Power Platform Virtual Training Day: Fundamentals

8/5/2022 8:00 AM (PST)

[Register Now >](#)

Microsoft Azure Virtual Training Day: DevOps with GitHub

7/12/2022 12:00 PM (EST)

[Register Now >](#)

Microsoft Dynamics 365 Virtual Training Day: Build a Resilient Supply Chain

8/10/2022 9:00 AM (PST)

[Register Now >](#)

Microsoft 365 Virtual Training Day: Building Microsoft Teams Integrations and Workflows

8/10/2022 12:00 PM (EST)

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



Enterprise Skills Initiative (ESI) continues*

- We have increased capacity and number of offerings.
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- 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.

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Prove skills

Demonstrate your knowledge and abilities



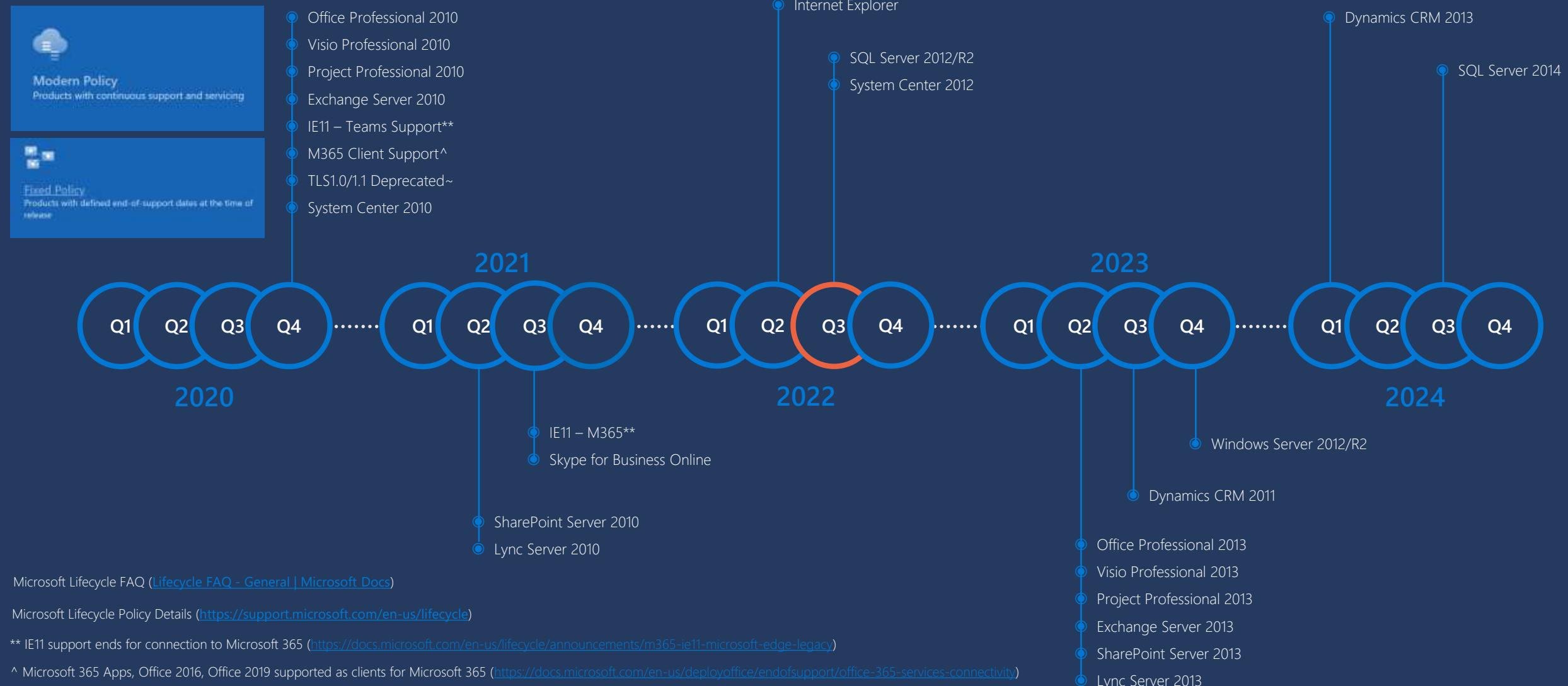
Login not working? Your organization may need to be onboarded to ESI. Please talk to your Microsoft Account Team.

Product Lifecycles

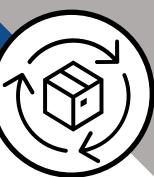




End of Service Roadmap to 2024



Microsoft Product Lifecycle: Modern Policy Products that will Retire



Products under Modern Policy that will Retire in 2022

Products that will Retire in 2022 (Modern Policy)	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 (Modern Policy)	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

- ⌚ 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)
- ⌚ Retirement of SQL Server 2019 Big Data Clusters
- ⌚ Windows 10, version 20H2 end of servicing

- ⌚ Windows 10, version 1909 end of servicing (Enterprise and Education)
- ⌚ Mainstream support extended for BizTalk Server 2020 and Host Integration Server 2020
- ⌚ Office 2013 and Skype for Business 2015 end of support on April 11, 2023
- ⌚ UPDATE: Skype for Business Online retirement on July 31, 2021
- ⌚ UPDATED: Support extended for Visio Services in SharePoint Online (aka Visio Web Access)

[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 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 .



Thank YOU!