



Monthly Technical Update

MAY 2022

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Microsoft

- [Microsoft Security Summit – May 2022](#)
- [Microsoft Build – May 2022](#)
- [RSA Conference – June 2022](#)
- [Black hat Security Conference August 2022](#)
- [Microsoft Tech Community Blog depot](#)
- [Microsoft Official Blog](#)
- [TechCommunity Events](#)



- [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](#)



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



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



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



Seattle, Washington - May 9-13, 2022
3 Day Conference + 2 Optional Workshop Days



Two Conferences Worth of Content in One Location!

[REGISTER ME](#)[LEARN MORE](#)

Microsoft 365 SharePoint Office 365 Teams Viva Azure OneDrive
Power Apps Power Automate Power BI Power Virtual Agents



50

SPEAKERS



130

SESSIONS



25

WORKSHOPS



500

PARTICIPANTS

SESSIONS FOR ALL LEVELS



With 2 optional days of workshops and a 3-day conference, you can choose from over [130 sessions in multiple tracks and 25 workshops](#) presented by Microsoft 365, SharePoint, Power Platform and Azure's top experts!

ABOUT Microsoft 365 EduCon Seattle

Microsoft 365 EduCon (by SPFest) brings to you the world's leading experts in Microsoft 365, SharePoint, Office 365, Microsoft Teams, Power Platform and Azure. Whether you are new to Microsoft 365, SharePoint or Power Platform, or an experienced power user, admin or developer, 365 EduCon has content designed to fit your experience level and area of interest. Our workshops and sessions are taught by Microsoft Certified Trainers, Microsoft MVPs, Microsoft Regional Directors and Microsoft engineers.

At Microsoft 365 EduCon, subject matter is divided into tracks and each session is designated for beginner, intermediate or advanced. Tracks are offered for the following subjects: **SharePoint, Power Platform, Office 365, Azure, Teams, OneDrive, Search, Content Management, Power Users, Business Value, Implementation/Administration, Workflow, Business Intelligence, SharePoint Development, and more.**

Choose one complete learning track or mix and match based on what content best meets you and your organization's current needs!

[FIND OUT MORE](#)

Microsoft Ability Summit 2022



Increasing our focus on inclusive technology >
by [Dave Dame](#)



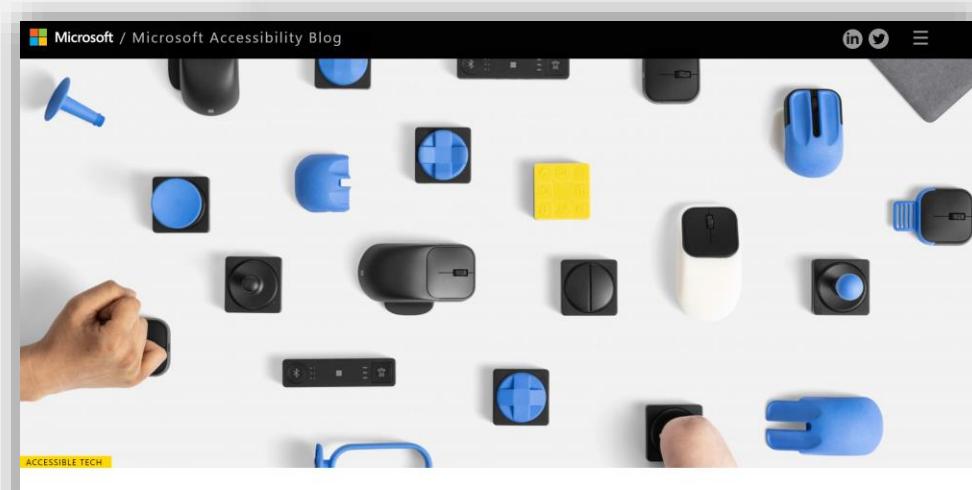
An update on our commitment to making the web more accessible for everyone >
by [Liat Ben-Zur](#)



New accessibility features coming to Windows 11 >
by [Carolina Hernandez & Jeff Petty](#)



Creating for everyone: How to make more accessible games >
by [Sarah Bond](#)



Increasing our Focus on Inclusive Technology

Increasing our focus on inclusive technology

In recent years, tied to Microsoft's mission of empowering every person and organization on the planet to achieve more, teams from across Microsoft have launched several products and features to make technology more inclusive and accessible. Today, as part of the 12th annual Microsoft Ability Summit, we celebrate a new and expanded Inclusive Tech Lab, powerful new software features, and are unveiling Microsoft adaptive accessories designed to give people with disabilities greater access to technology.

[Read more >](#)

Creating for everyone: How to make more accessible games

Accessibility

May 10, 2022

New accessibility features coming to Windows 11

By [Jeff Petty & Carolina Hernandez, Windows Accessibility Leaders](#)

IMAGINE • BUILD • INCLUDE

Web experiences

May 10, 2022

An update on our commitment to making the web more accessible for everyone

By [Liat Ben-Zur, Corporate Vice President](#)



Safeguard your future. Be fearless.

Microsoft Security Summit
Digital event / May 12, 2022

Register
now



Microsoft Security Summit

Home

Thursday, May 12, 2022 / 9:00 AM-12:00 PM Pacific Time (UTC-7)

Comprehensive security for a more innovative future

To innovate fearlessly in a changing world, your organization needs end-to-end security it can trust. Attend this one-day event to learn how Microsoft Security can help you eliminate security vulnerabilities and lay the foundation for a safer, bolder, more innovative future.

Register for this free digital event to:

- Hear exciting announcements from leading voices in security—including Vasu Jakkal, Corporate Vice President of Security at Microsoft.
- See demos of brand-new technologies from Microsoft Security and get a closer look at the latest innovations in security, compliance, identity, privacy, and management.
- Get fresh insights on threat intelligence and security during a Live Chat Q&A with leading security experts.
- Hear from front-line defenders about how they are helping Microsoft to stay ahead of threats.
- Discover solutions you can use to deliver high quality end-to-end security to your organization.

Safeguard your future. Be fearless.





Microsoft Build

May 24–26, 2022

What's next in tech

Come together with peers and experts May 24–26, 2022, for an engaging experience around the latest in innovation and tools that will help you stay informed.

Designed for development

- Learn about the latest tech and developer innovations with announcements, news, and tutorials.
- New for this year, experience market-specific content and connection opportunities for France, Germany, Japan, Latin America, and the UK.
- Ask Microsoft subject matter experts your technical questions and network with others in your area through live, interactive sessions.

Frequently asked questions

[Visit FAQ to learn more >](#)

 HOME > 2022 USA

RSA® Conference San Francisco

Moscone Center & Digital | Jun. 6 -
9, 2022

REGISTER NOW



Sessions

With over 200 traditional and interactive sessions covering a wide range of topics, you'll learn about the latest trends, threats, and solutions that you can apply right away in your job.

[LEARN MORE](#)



Keynotes

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

[LEARN MORE](#)



TRANSFORM



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



[View the event site »](#)

[Book your hotel now »](#)

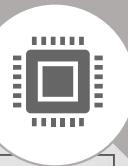
[Arsenal Call for Tools Now Open »](#)

Updates of Security and Compliance



Monitoring Global Threats: Microsoft

Microsoft Security Response Center



Select a region ▾

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:

206,834 (2.38%)



Most affected industries

Reported enterprise malware encounters in the last 30 days

Education

Business and professional services

Business and professional services

Retail and consumer goods

April 26, 2022 • 9 min read

Microsoft finds new elevation of privilege

Linux vulnerability, NimbusPwn

Microsoft has discovered several vulnerabilities, collectively referred to as NimbusPwn, that could be chained together, allowing an attacker to elevate privileges to root on many Linux desktop endpoints. Leveraging NimbusPwn as a vector for root access could allow attackers to achieve greater impact on vulnerable devices by deploying payloads and performing other malicious actions via arbitrary root code execution.

May 9, 2022 • 34 min read

Ransomware-as-a-service: Understanding the cybercrime gig economy and how to protect yourself

Microsoft coined the term “human-operated ransomware” to clearly define a class of attack driven by expert human intelligence at every step of the attack chain and culminate in intentional business disruption and extortion. In this blog, we explain the ransomware-as-a-service affiliate model and disambiguate between the attacker tools and the various threat actors at play during a security incident.

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



April 21, 2022 • 5 min read

Discover the anatomy of an external cyberattack surface with new RiskIQ report

Learn how supply chains, shadow IT, and other factors are growing the external attack surface—and where you need to defend your enterprise.

Worldwide

79,245,071 devices with encounters

Top threats:

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

April 13, 2022 • 17 min read

Dismantling ZLoader: How malicious ads led to disabled security tools and ransomware

Microsoft took action against the ZLoader trojan by working with telecommunications providers around the world to disrupt key ZLoader infrastructure. In this blog, we detail the various characteristics for identifying ZLoader activity, including its associated tactics, recent campaigns, and affiliated payloads, such as ransomware.

May 5, 2022 • 5 min read

This World Password Day consider ditching passwords altogether

Learn how Microsoft is helping to make your accounts more secure—without a password.

[Read more >](#)

May 4, 2022 • 7 min read

How a senior product manager is leading the passwordless movement at Microsoft

May 5, 2022, is World Password Day, a day we all use to create awareness around password security. At Microsoft, we choose to celebrate replacing passwords with better and more secure ways to sign in. I can't think of a better person at Microsoft to represent this journey than Libby Brown, a senior product manager...

April 19, 2022 • 8 min read

The future of compliance and data governance is here: Introducing Microsoft Purview

Hybrid work has connected us in ways unimaginable just two years ago. Today we routinely communicate across continents while collaborating in real-time. Protecting a decentralized hybrid work environment requires strong solutions built around clear principles designed to defend customers' data, safeguard employees, and protect the business.

April 25, 2022 • 6 min read

Microsoft best practices for managing IoT security concerns

The Internet of Things, or IoT, has expanded beyond the mere concept that it was when first introduced. IoT is now part of most individuals' daily activities, from smart speakers and thermostats to smartwatches and vehicles. IoT devices and systems bring massive convenience and functionality. However, due to the complicated nature of IoT, when implementing and managing IoT, security must be top of mind.

May 9, 2022 • 8 min read

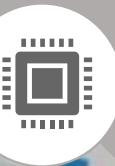
Building a safer world together with our partners—introducing Microsoft Security Experts

Technology alone is not enough to defend against cybercrime. It's critical, but it's the combination of leading technologies, comprehensive threat intelligence, and highly skilled people that makes for a truly effective security posture.

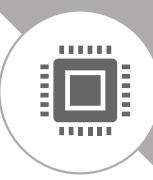
May 10, 2022 • 3 min read

Microsoft security experts outline next steps after compromise recovery

A compromise recovery, in general, means that we are implementing several years of work in cybersecurity in only six weeks. It is intense, and it changes how administrators work and how systems break. The main goals are to take back control, keep that control, and add this mindset to the customer.



Microsoft Purview :: Govern Data across your entire data estate



April 19, 2022 • 8 min read

The future of compliance and data governance is here: Introducing Microsoft Purview

Hybrid work has connected us in ways unimaginable just two years ago. Today we routinely communicate across continents while collaborating in real-time. Protecting a decentralized hybrid work environment requires strong solutions built around clear principles designed to defend customers' data, safeguard employees, and protect the business.

Discover the Microsoft Purview product family

Help keep your organization's data safe with a range of solutions for unified data governance, information protection, risk management and compliance.

Communication Compliance

Foster a safe and compliant workplace by detecting sensitive or inappropriate content shared across your organization's communication channels.

[Learn more >](#)

Compliance Manager

Reduce risk by translating complex regulatory requirements into specific improvement actions that help you raise your score and track progress.

[Learn more >](#)

Data Lifecycle Management

Classify and govern data at scale to meet your legal, business, privacy, and regulatory content obligations.

[Learn more >](#)

Data Loss Prevention

Automatically protect sensitive information from risky and unauthorized access across apps, services, endpoints, and on-premises files.

1

Data Map and Data Catalog

Maximize the business value of data for your consumers by creating a unified map to automate and manage metadata from hybrid sources. Make data easily discoverable and understand the origin of your data with interactive data lineage visualization.

[Learn more >](#)

eDiscovery

Discover and manage your data in-place with end-to-end workflows for internal or legal investigations.

[Learn more >](#)

Information Protection

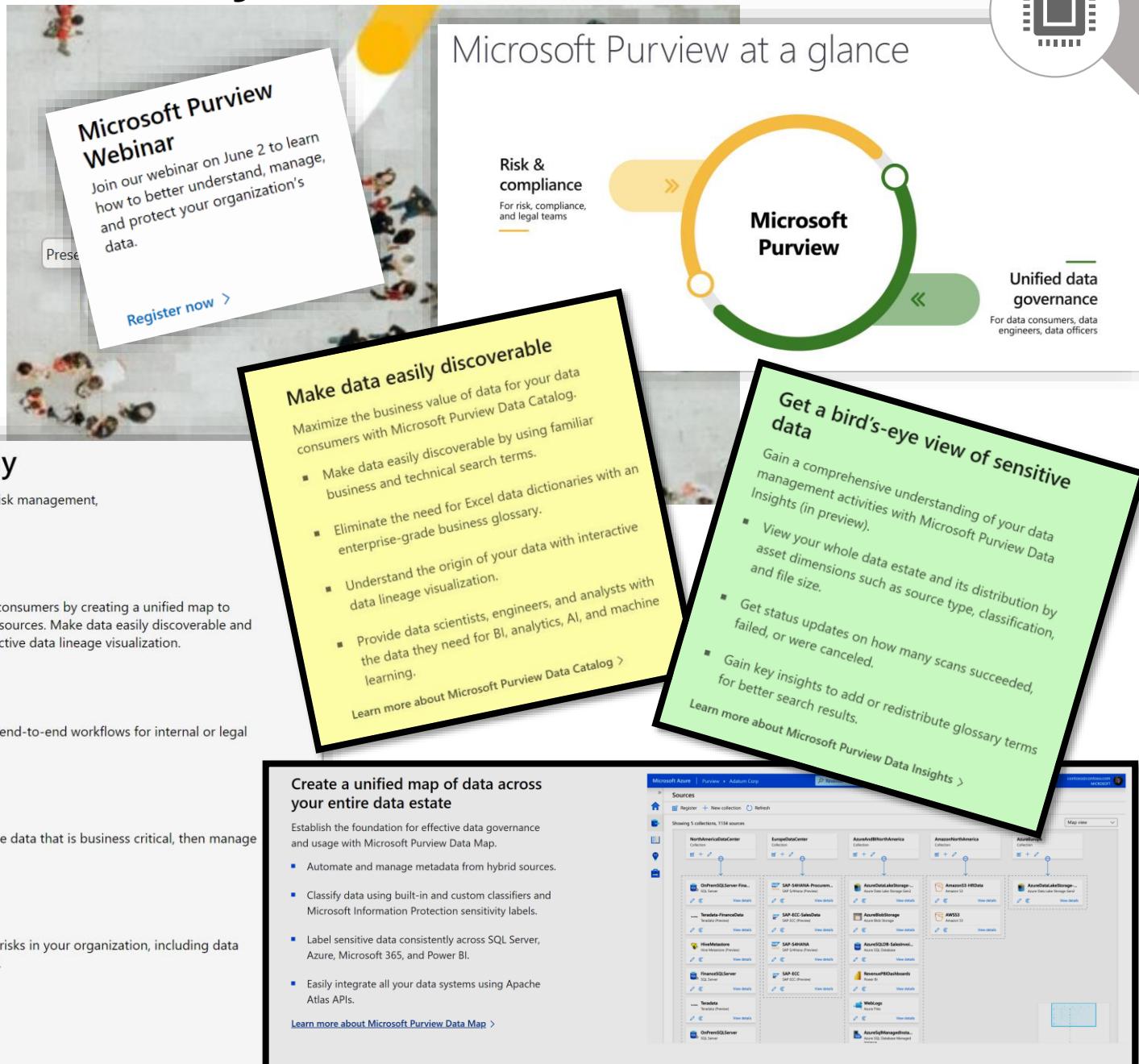
Discover, identify, classify, and protect sensitive data that is business critical, then manage and protect it across your environment.

[Learn more >](#)

Insider Risk Management

Detect, investigate, and take action on critical risks in your organization, including data theft, data leaks, and security policy violations.

[Learn more >](#)





Microsoft 365 update information

Microsoft Teams Blog:



New for This Month:

- [Celebrating One Year Together : Teams Webinars](#)
- [Anonymous meeting join across clouds](#)
- [Notification improvements for iOS](#)
- [Share system audio from meetings on web](#)
- [Presenter Mode: Controls to move and resize presenter video](#)
- [Improved meetings support in Firefox browser](#)
- [Detect Music Automatically](#)
- [Live Captions for Teams on VDI for Azure Virtual Desktop and Citrix](#)
- [Outlook contacts available to select for calling](#)

Frontline Workers

- [Virtual appointments through Microsoft Bookings in Teams – Microsoft Forms integration](#)
- [Walkie-Talkie app in Teams available on Kyocera 5G Rugged Smartphones](#)
- [Tag new Management Settings](#)

Devices:

- [Restore “Preset” button on Microsoft Teams Rooms on Windows](#)
- [Logitech RoomMate :: Generally Available](#)
- [Yealink Teams HD IP Conference phone](#)
- [Huddly L1 and Crestron Flex](#)
- [Sennheiser TeamConnect Intelligent Speaker](#)
- [Yamaha ADECIA Ceiling Solution](#)
- [Extron DMP64 and DMP128 Plus AT DSP System](#)
- [EPOS ADAPT headsets](#)

Chat and Collaboration

- [Text Prediction for Teams mobile](#)
- [Power Automate templates to be added to Teams templates](#)
- [New Fluent Emoji Style coming to Teams emojis and reactions](#)
- [Suggested replies added to chats](#)
- [Upload files to your approval request – via Power Automate tools](#)
- [Chat filter for non-meeting chats](#)

Management:

- [Administrator Configuration of end-user call forwarding settings](#)
- [Admins can pin message extensions](#)
- [Teams device store in Teams Admin Center](#)
- [Follow Office preview policy on Mac](#)
- [User request flows for blocked apps](#)

Power Platform and Custom Development

- [Message extension entry point for Workflows in Teams](#)
- [Automation templates in Teams app store](#)

Delivering Professional Grade Broadcasts with New...

alinne on Apr 25 2022 08:00 AM

As we continue to navigate the world of hybrid events, it's become clear that the need to enable remote production and r...

Publish Bot App to Teams Channel with Bot Framework Com...
freistli in Windows Dev AppConsult May 09 2022 01:47 AM

This article introduces general steps of how to publish your bot app developed in Bot Fram...

Government Cloud Updates : GCC-High and DoD Clouds:

- [Attendance Dashboard](#)
- [Teams Webinar capabilities](#)
- [Auto-Answer meeting invites with “video on” for iOS devices](#)
- [Invite-Only meeting options :: Enhanced](#)
- [Share system audio for meetings on web](#)
- [Large Gallery and Together Mode in Teams Meetings on Web and VDI](#)
- [Voice enabled channels for GCC H and DoD](#)
- [Roaming Bandwidth control for GCC-High and DoD](#)
- [Dynamic Caller ID for Voice enabled channels :: Now on GCC-High and DoD](#)
- [Up to 25,000 members per team in DoD](#)
- [New default for Teams notification style for DoD](#)



What's New in Microsoft 365



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



Microsoft 365 Updates:

- [Power Query Refresh in Excel for the web](#) : General Available
- [Data Types in Space](#) : A New Data Types Experience in Excel
- [Run your Office Scripts from a workbook button](#)
- [Expansion of FIDO standard and new updates for Microsoft Passwordless solutions](#)
- [New Diagram types available in Visio](#)
- [Create, Edit, and Collaborate on Org Charts in Microsoft Teams](#)
- [Configure IE Mode in Edge with Microsoft Endpoint](#)
- [Detecting and Remediating Impossible Travel](#)
- [Microsoft Defender Vulnerability Management :: Public Preview](#)
- [Defender Tamper Protection on macOS :: Generally Available](#)
- [Approvals in Teams M365 F1 SKU :: Generally Available](#)
- [Require reauthentication for Intune enrollment or risk :: Generally Available](#)

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](#)

Join the new Microsoft Viva Community Group on LinkedIn

Shin-Yi on May 09 2022 08:00 AM

Microsoft Viva brings everything that's important to the employee experience—communications, knowledge, insights, and le...

Passwordless RDP with Windows Hello for Business

parobinson on May 04 2022 03:36 PM

Get a Passwordless RDP experience and admin consoles using Windows Hello for Business with dual enrollment

Good morning

Quick access

Business Card

2018 - Contoso at Marketing

2018 - Contoso Earnings

Northwind presentation - draft

Timesheet_MeganB

Contoso Electronics Sales Proposal

Contoso Monthly Report

Contoso Electronics Sales Presentation

Announcing account switching for Microsoft 365 web apps!

Alex Simons (AZURE) on Apr 27 2022 12:00 PM

Single click account switching is now available on Microsoft 365 web apps!

This page is open in Internet Explorer mode

This mode allows organizational sites that only work in Internet Explorer to be opened in Microsoft Edge.

Compatibility Mode: IE11

Protected Mode: Off

Zone: Internet

Configure IE Mode in Edge with Microsoft Endpoint (Intune)

rlpcarvalho on Apr 11 2022 12:00 AM

With the Internet Explorer 11 desktop app retirement announced for next June 15, 2022, many customers started asking for...

Power Platform and Dynamics

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

- [New Power BI "Know Issue" Page](#)
- [Dynamic M Query parameters :: Generally Available](#)
- [Microsoft Access Migration to Power Apps and Dataverse :: Generally Available](#)
- [In-App notifications in Model-driven apps :: Generally Available](#)
- [Azure AD User Virtual Table – Find and add any AAD user to your records](#)
- [New API Owner Connectors for Power Automate](#)
- [Walkthrough video series : Cloud Scale with Robotic Process Automation](#)
- [Power Automate Desktop :: April Updates](#)



Create an Azure DevOps work item when email arrives with 'Bug' in subject

By Microsoft

Automated
2457



Save Outlook.com email attachments to your OneDrive

By Microsoft Power Automate Community

Automated
165522



Send an email for new Tweets about a certain keyword

By Microsoft

Automated
7234

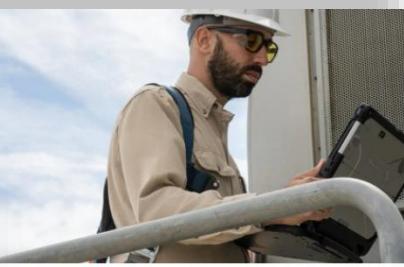


Microsoft fuels digital transformation of supply chains for a resilient and sustainable future >

April 28, 2022 • 6 min read

By [Ray Smith](#), Vice President, Supply Chain

We are excited to share two new investments in Microsoft Dynamics 365 supply chain portfolio that we are launching in preview. We had announced a partnership between FedEx and Microsoft, in January of 2022, to launch a cross-platform, logistics-as-a-service solution for brands. This partnership is now in preview. As e-commerce is exploding, businesses are challenged...[Read more](#)



3 ways to turn your field service operation into a revenue-generating machine >

May 11, 2022 • 4 min read

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

By [Christopher King](#), Senior Technical Specialist

For decades, companies have relied on skilled technicians to repair equipment and engage with customers in the field. While these technicians were often the only representation that the customer would see, their skills, processes, and systems were seldom seen as critical aspects of the company's revenue cycle. Until recently, many field technicians or field service...

[Read more](#)

Roadmaps and Release plans:



Run sentiment analysis on tweets and push results to a Power BI dataset

By Microsoft

Automated
4614



3 ways Dynamics 365 powers adaptability for chief financial officers >

May 2, 2022 • 4 min read

By [Andrea Ton](#), Product Marketing Manager, Microsoft Dynamics 365 Finance

The role of the chief financial officer (CFO) has been evolving for some time, from hindsight report generation to forward-looking advisor, business innovator, and change agent. During the pandemic, many finance leaders took ownership of large-scale digital transformation efforts—a trend that is only accelerating. Indeed, a central lesson learned through the challenges of the past...[Read more](#)



How Dynamics 365 Mixed Reality on HoloLens 2 is accelerating ROI for the healthcare industry >

April 27, 2022 • 5 min read

By [Ronan Jenkins](#), Global Product Marketing Manager for HoloLens 2

Healthcare providers around the world are accelerating their digital journey and embracing secure solutions that empower health team collaboration and boost clinician productivity. Embracing mixed reality—a set of technologies that superimposes digital data and images in the physical world—brings new opportunities for healthcare providers to work together more effectively, optimize operations, and accelerate learning all...

[Read more](#)



Send form responses for approval

By Microsoft

Automated
179161

Developer and GitHub



Microsoft Developer Blogs:

- [Building real-time collaborative apps with Microsoft 365, Azure and Power Platform](#)
- [Visual Studio 2022 for Mac : Release Candidate 2 Available](#)
- [Update all Visual Studio installations with a single click](#)
- [Office JavaScript API for Power Query read-only data now available for Excel](#)
- [Office Add-Ins' ExecuteFunction commands :: Updates](#)
- [.NET MAUI :: Release Candidate 3](#)
- [.NET May 2022 Updates :: .NET 6.0.5, .NET 5.0.17, .NET Core 3.1.25](#)
- [Quickly Map Your NuGet Packages to Sources](#)
- [Microsoft Graph's Journey to .NET 6](#)
- [Azure SDK Release :: April 2022](#)



Join Us! Azure Cosmos DB at Microsoft Build 2022

May 13, 2022



Ricky D

Find out what's new in the world of Azure Cosmos DB directly from our team at Microsoft Build 2022. We will be introducing new features that enable developers to build scalable, cost-effective cloud-native applications with ease. Join senior leadership, program managers, and engineers for live sessions, roundtable discussions, and much ...

Today's most common security vulnerabilities explained

We're taking a look at some of the most common security vulnerabilities and detailing how developers can best protect themselves.

Joseph Katsioloudes

May 6, 2022

Software security starts with the developer: Securing developer accounts with 2FA

GitHub will require all users who contribute code on GitHub.com to enable one or more forms of two-factor authentication (2FA) by the end of 2023.

Mike Hanley

May 4, 2022

GitHub Blog

- [Enhanced 2FA experience for npm accounts :: public beta](#)
- [Digital Ocean is now a GitHub secret scanning partner](#)
- [Output and group custom Markdown content on the Actions run summary page](#)
- [View Dependabot alerts across the enterprise](#)
- [The GitHub Enterprise Server 3.5 Release Candidate is available](#)
- [Command Palette multi-step enhancement](#)
- [GitHub Actions: Prevent GitHub Actions from creating and approving pull requests](#)
- [Secret scanning now prevents secret leaks in web commits](#)
- [Multi-Repository and monorepo support in Codespaces](#)

Your guide to GitHub InFocus: Improving the way software development teams work in 2022

We're kicking off InFocus, a global virtual event focused on accelerating, securing, and improving the way software development teams work.

Jeimy Ruiz April 21, 2022

Dependabot alerts now surface if your code is calling a vulnerability

Today, we're shipping a new feature for Dependabot alerts which helps you better understand how you're affected by a vulnerability.

Erin Havens April 14, 2022

Sharing security expertise through CodeQL packs (Part I)

Introducing CodeQL packs to help you codify and share your knowledge of vulnerabilities.

Andrew Eisenberg April 19, 2022

Best practices to keep your projects secure on GitHub

These days software is subject to an ever-changing threat landscape. Check out the many ways you can keep your projects secure on GitHub today.

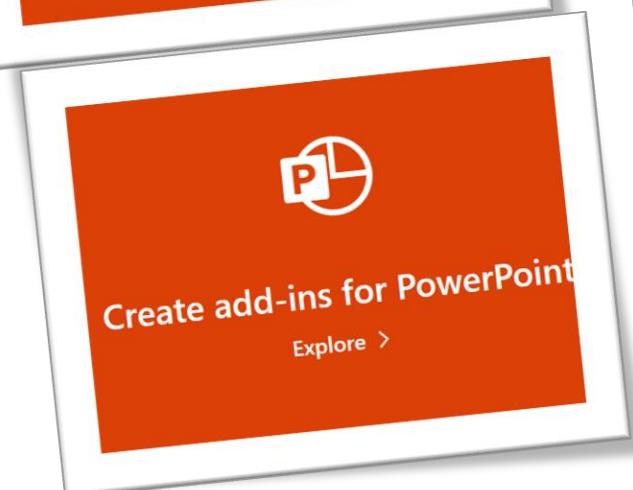
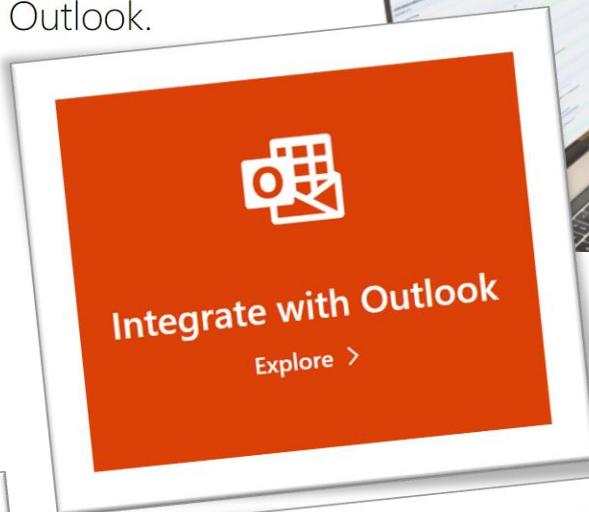
Justin Hutchings April 28, 2022

Office Developer Blogs and Microsoft 365 Dev Center



Build powerful applications for Office

Use the Office JavaScript API to extend functionality for Word, Excel, PowerPoint, and Outlook.



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 connectors to prepare for Viva Topics APIs](#)
- [Office JavaScript API for Power Query Read-Only data now available for Excel!](#)
- [Extending Microsoft Teams apps to Outlook and Office .com](#)
- [Changes to Office Add-Ins' ExecuteFunction commands](#)
- [17 new APIs for PowerPoint Selection](#)
- [Get OneDrive data using Microsoft Graph and msal.js in an Office Add-in](#)
- [Use Outlook event-based activation to encrypt attachments, process meeting request attendees and react to appointment date/time changes](#)
- [Building real-time collaborative apps with Microsoft 365, Azure and Power Platform](#)

Azure



Azure Updates

Azure Announcements : Azure Blog

VMs, Features, & Announcements

- [How Microsoft measures datacenter water and energy use](#) :: Improving Azure Cloud sustainability
- [Azure Purview is now Microsoft Purview](#) :: More comprehensive solutions
- [Microsoft Session Highlights from SAP Sapphire 2022](#)
- [Feathr – LinkedIn's feature store](#) :: Now available on Azure
- [Azure Health Data Services](#) :: Engineering product for partners
- [OCR supports 164 languages in Cognitive Services Computer Vision](#) :: Generally Available
- [Azure IoT Edge supports Debian Bullseye on ARM32v7](#) :: Generally Available

Data, AI, Security, & Availability

- [New voices and emotions in Azure Neural Text to Speech](#)
- [Customize secure VM session experience with native client support on Azure Bastion](#)
- [Enhance your data visualizations with Azure Managed Grafana](#) :: Preview
- [Migrate Azure Data Lake Storage Gen1 to Gen2 using Azure Portal](#) :: Generally Available
- [Azure Container Apps now support Log Streaming and Console Connect](#) :: Public Preview
- [Azure Arc-enabled servers support for private endpoints](#) :: Generally Available
- [Automated key rotation in Azure Key Vault](#) :: Generally Available
- [Azure Database for MySQL – Flexible Server higher burstable compute](#) :: Generally Available
- [Database templates in Azure Synapse Analytics](#) :: Generally Available

Operations & Benefits

- [Manage Red Hat workloads seamlessly on Azure](#)
- [Improved Azure DevOps support in Static Web Apps](#) :: Public Preview
- [Virtual Network NAT health checks available via Resource Health](#) :: Generally Available
- [Object replication on Premium blob storage and rule limit increased](#) :: Generally Available

Intelligent application protection from edge to cloud with Azure Web Application Firewall

Tuesday, May 3, 2022

Cyberattacks are becoming more common and advanced with growing attack surfaces due to the proliferation of mobile and IoT devices and increasing cloud adoption. To help our customers address these security challenges, we have been evolving Azure Web Application Firewall (Azure WAF), our cloud-native, self-managed security service to protect your applications and APIs running in Azure or anywhere else—from the network edge to the cloud.

[Gunjan Jain](#), Principal PM Manager, Azure Files

Streamline Azure workloads with ExpressRoute BGP community support

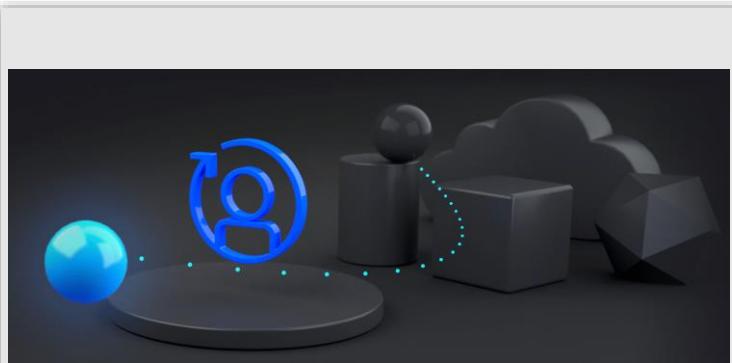
Wednesday, May 4, 2022

Connectivity now requires additional configuration and reconfiguration of IP prefixes and route filters over time as the number of regions and on-premises locations grows. The introduction of Border Gateway Protocol (BGP) community support for Azure ExpressRoute, now in preview, lifts this burden for customers who connect privately to Azure.

[Taru Balla](#), Program Manager, Azure Networking



Azure Services Directory

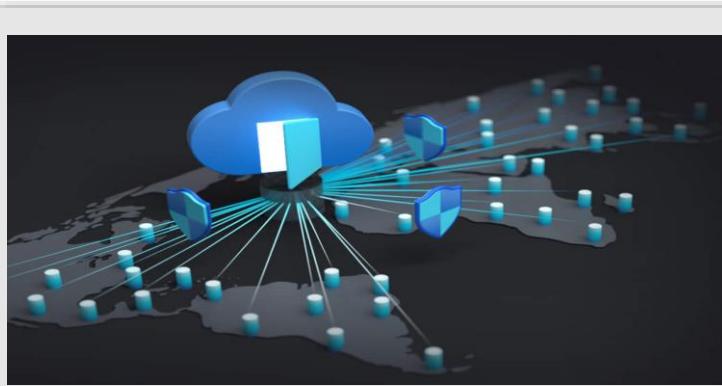


Personalizer

Deliver personalized, relevant experiences for each of your users

Azure Personalizer

- ❖ Part of Azure Cognitive services
- ❖ [Improve recommendations, next best actions, and content offers](#)
- ❖ Add real-time relevance to product recommendations
- ❖ [Learning-based reinforcement that improve over time, based on the user's behavior](#)
- ❖ Works with your data, in any form
- ❖ [Validate results by reproducing them in new models](#)



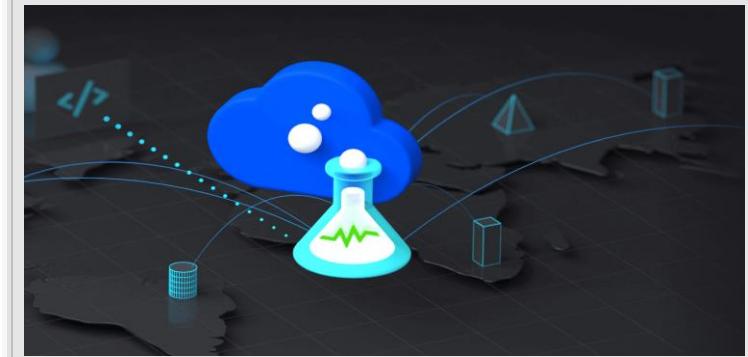
Microsoft Graph Data Connect PREVIEW

A secure, high-throughput connector designed to copy select Microsoft 365 productivity datasets into your Azure tenant

Microsoft Graph Data Connect : Preview

Enable developers to copy select Microsoft 365 datasets into Azure data stores in a secure and scalable way

- ❖ **Granular Consent** ensure apps can access only the data that is essential to their function
- ❖ **Data Governance** lets developers specify a set of detailed policies to minimize compliance management overhead
- ❖ **Scalable Data Access** delivers Graph data to your app, on a repeatable schedule
- ❖ **Discrete Azure Services** allow developers to collocate an app and its data in a separately provisioned Azure Instance



Azure Load Testing PREVIEW

Fully managed load-testing service built for Azure – Generate high-scale load and identify app performance bottlenecks

Azure Load Testing: Preview

- ❖ [Streamline load testing with a fully managed service](#)
- ❖ High fidelity support for Apache JMeter : [Run existing test scripts at scale](#)
- ❖ Automatically incorporates networking best practices
- ❖ Integration with CI/CD workflows for automated, collaborative load testing
- ❖ View load test summaries in [GitHub](#) and [Azure Pipelines](#)
- ❖ [Identify bottlenecks with actionable insights](#)
- ❖ [Identify regressions by comparing test runs](#)

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs

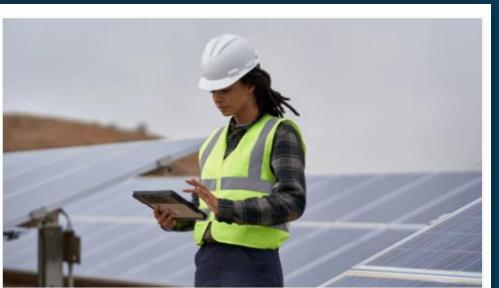


Hannover Messe 2022: Manufacture a resilient and sustainable future with Microsoft >

May 11, 2022 • 3 min read

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

It's been a long three years since we last invited you to join us at the manufacturer's primary showcase event Hannover Messe in Germany, where we last mingled in person in 2019 with 220,000 of our manufacturing colleagues from around the world to share and explore the leadership and innovations on display. In those three...[Read more](#)



Microsoft for Energy: Digitizing the energy transition and transforming the net-zero journey >

April 28, 2022 • 4 min read

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

Security, resiliency, and sustainability continue to be at the top of the agenda as energy companies advance digital transformation to improve safety, performance, reduce costs, and manage risk. To help our customers and partners on their digitization and decarbonation journeys, the Microsoft Energy team is engaging with the global energy ecosystem on multiple levels. Here's a...[Read more](#)



Tackling the digital future of travel with Microsoft and WTTC >

May 2, 2022 • 4 min read

By [Siân John](#), Senior Director Strategic Growth Initiatives for Cybersecurity Business Development, Microsoft

Welcoming travelers back while still absorbing the shockwaves of COVID-19 has spurred a digital evolution for the travel and tourism industry. A rapid move to the cloud offers new ways of reaching customers—and introduces new risks. Travel and tourism organizations hold sensitive customer information, in addition to proprietary business data. People are eager to once...[Read more](#)

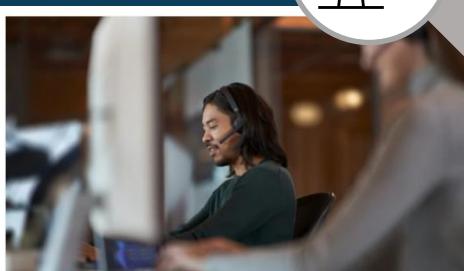


Microsoft Cloud for Manufacturing: 3 ways to transform your manufacturing workforce >

April 28, 2022 • 3 min read

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

To keep up with the fast pace of digital manufacturing trends, today's manufacturers need to build a capable workforce that can adapt quickly to new ways of working. However, studies show that many manufacturers are concerned about the challenges of attracting, retaining, and training effective employees. Only 60 percent of manufacturing chief financial officers say...[Read more](#)



Microsoft Cloud for Financial Services: New updates to further accelerate growth, innovation, and connected customer experiences >

April 28, 2022 • 3 min read

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

What's new: Strengthening of partner opportunities, expansion into new markets, and enhanced customer experience capabilities Financial services organizations around the world have been focused on how to best accelerate their digital agendas. At the center of this modernization is the need to better serve their clients and empower employees, while at the same time reducing...[Read more](#)



Microsoft Cloud for Sustainability

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

Infrastructure management

Optimize the way buildings, campuses, and cities consume and deliver resources.

[Learn more >](#)

Financial Services

Accelerate transformation, manage risk, and add value—while creating a more sustainable future.

[Learn more >](#)

Energy

Explore Microsoft technologies that help drive the global transition to cleaner energy.

[Learn more >](#)

Manufacturing

Drive sustainability while saving costs and improving operational safety.

[Learn more >](#)

Automotive

Connect people, products, and processes with technology that supports automotive sustainability.

[Learn more >](#)

Retail

Improve energy management and reduce environmental impact with innovative retail technologies.

[Learn more >](#)



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.

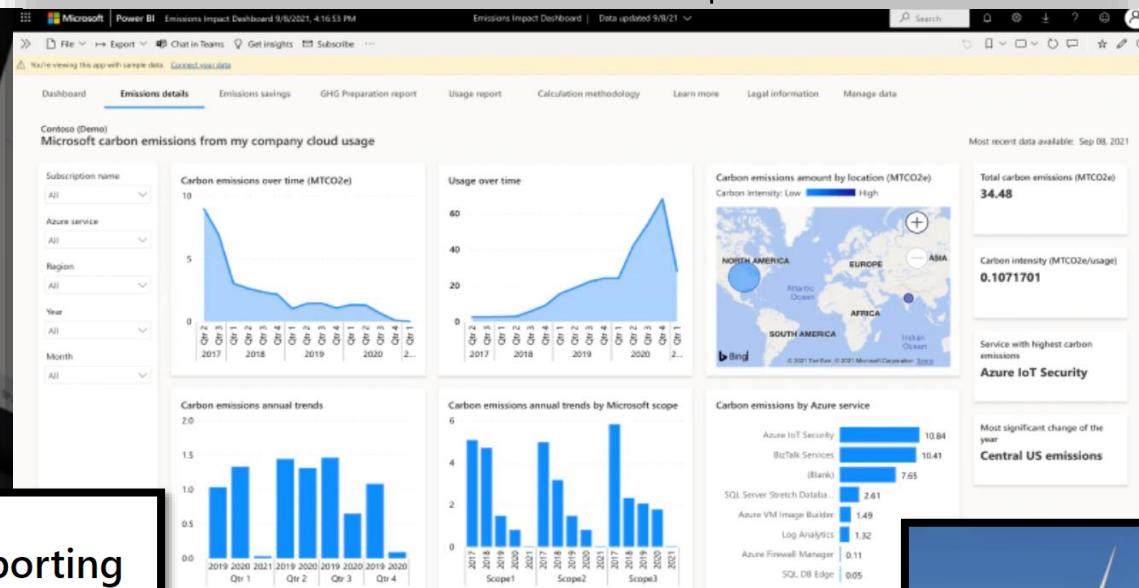
[Get started >](#)

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 Industry Vertical Clouds

delivering capabilities that are unique to specific industries



Microsoft Industry Clouds



Microsoft Cloud for Healthcare

Deliver better experiences, better insights, and better care.

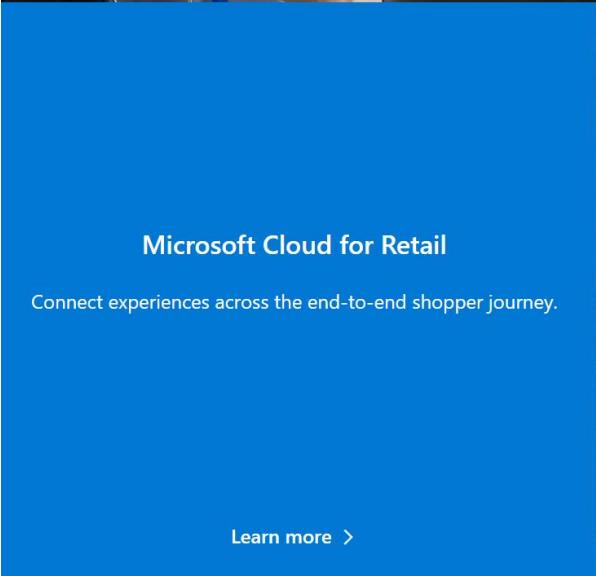
[Learn more >](#)



Microsoft Cloud for Manufacturing

Manufacture a more resilient and sustainable future.

[Learn more >](#)



Microsoft Cloud for Retail

Connect experiences across the end-to-end shopper journey.

[Learn more >](#)



Microsoft Cloud for Financial Services

Accelerate innovation and achieve sustainable growth.

[Learn more >](#)

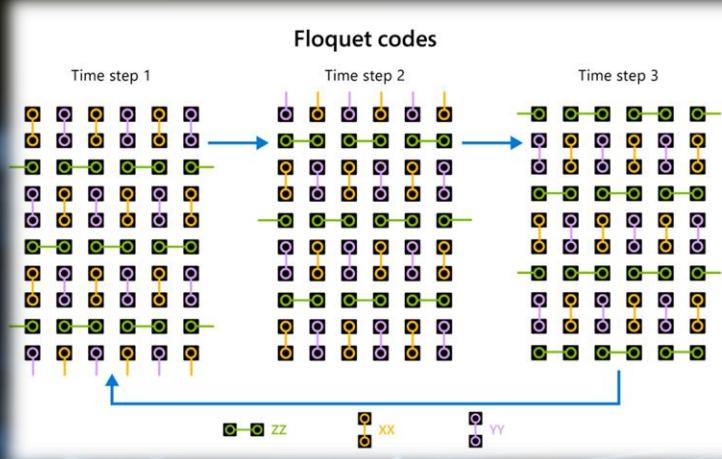


Microsoft Cloud for Nonprofit

Create scalable and transformative impact.

[Learn more >](#)

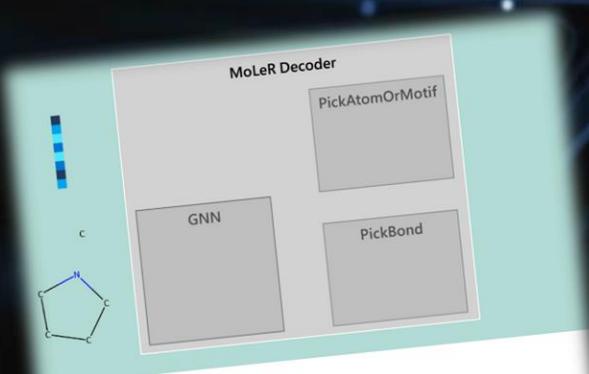
Microsoft Research Blog



Azure Quantum innovation: Efficient error correction of topological qubits with Floquet codes >

May 5, 2022 by [Bela Bauer](#), [Matthew Hastings](#), and [Jeongwan Haah](#)

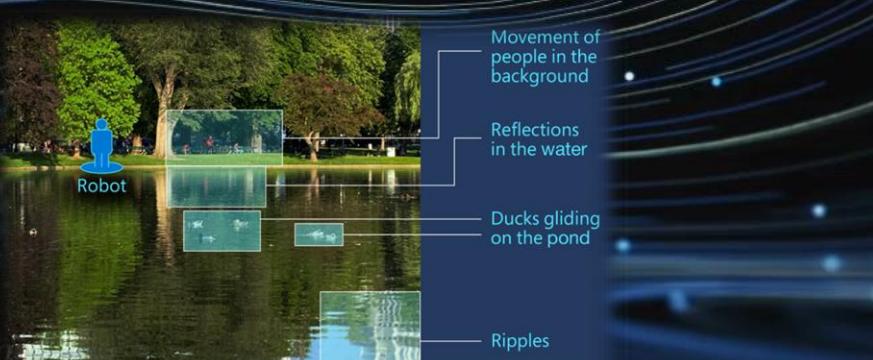
This graphic shows the repeating three-step sequence of checks used in Floquet codes. Each circle represents a qubit, and a line between a pair of circles indicates that that check is measured on that time step. The colors indicate the type of operator measured in each check,...



MoLeR: Creating a path to more efficient drug design >

Drug discovery has come a long way from its roots in serendipity. It is now an increasingly rational process, in which one important phase, called lead optimization, is the stepwise search for promising drug candidate compounds in the lab. In this phase, expert medicinal chemists...

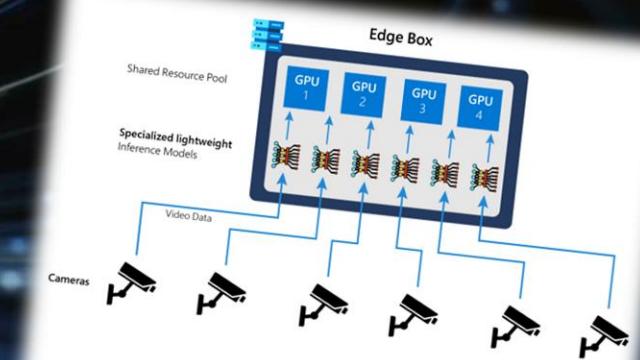
April 27, 2022 by [Krzysztof Maziarz](#), [Marc Brockschmidt](#), and [Marwin Segler](#)



PPE: A fast and provably efficient RL algorithm for exogenous noise >

Picture a person walking in a park by a pond. The surrounding environment contains a number of moving objects that change the quality of the environment: clouds moving to hide the sun, altering the quality of light; ducks gliding across the pond, causing its surface...

April 25, 2022 by [Dipendra Misra](#) and [Yonathan Efroni](#)



Don't let data drift derail edge compute machine learning models >

Edge computing has come of age, with deployments enabling many applications that process data from IoT sensors and cameras. In 2017, we identified the symbiotic relationship between edge computing and video analytics in an article, noting that live video analytics is the "killer app" for...

April 19, 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

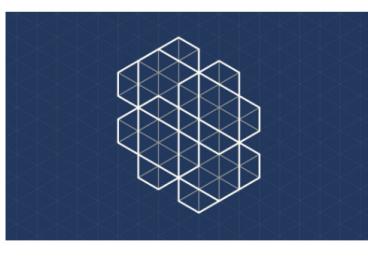


```
/// # Summary
/// This operation applies Grover's algorithm to an input to find a particular
operation SearchForMarkedInput (nQubits : INT) :
    using (qubits = Qubit [nQubits]) {
        // Initialize a uniform superposition over all states.
        PrepareUniform(qubits);
        // The search itself consists of repeatedly
        // marked state and our start state, which we
        // do as a for loop.
        for (idxIteration in 0...NIterations (nQubits))
            ReflectAboutMarked(qubits);
            ReflectAboutUniform(qubits);
    }
    // Measure and return the answer.
    return ForEach(MResetZ, 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.

Testing large quantum algorithms using sparse simulation

This blog post introduces the sparse simulator. Learn how it works and how it may help you with testing and debugging of quantum algorithms.

Mathias S

April 6, 2022

Azure Quantum challenge at QCHack 2022: Recap

May 2, 2022

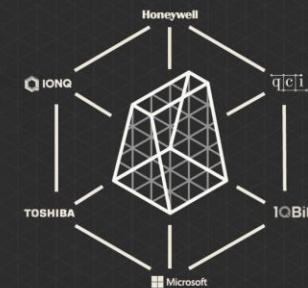


Mariia M

This April we partnered with IonQ and Quantinuum to offer one of the technical challenges at Quantum Coalition Hackathon 2022. Meet the challenge winners and learn about their projects!

Building a scalable quantum system

Learn how Microsoft is leading the way to scalable, accessible quantum computing with worldwide research teams and partnerships



Unified development interface

With Azure Quantum and its [quantum development kit](#), what could be a heterogenous hardware and software set of solutions is unified. Your development investments are protected in a rapidly evolving technological landscape.

Microsoft and its Partners ensure hardware and software innovations are brought to you with minimal to no change to your code base.

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



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.

May 5, 2022 | Lukas Velush

Insights you can use: Microsoft's internal upgrade to Windows 11

Microsoft's upgrade to Windows 11 was the smoothest in company history. The Microsoft Digital Employee Experience team was able to upgrade 190,000 employee devices in just five weeks. And we learned a lot! Here are...

April 27, 2022 | Alex Fleck

Dining transformation at Microsoft eases the transition as employees return to work

A profound dining transformation is happening at Microsoft as the company's employees return to an office that's evolved into a hybrid workplace. The pandemic has changed the way we work—and with it, the way we...

May 3, 2022 | Alexa Phillips

Listening to millions of IoT building sensor readings with load testing

As an employee, an easy-seeming task like booking a meeting room can quickly become difficult if you cannot see which rooms are available—that is where taking a transformed approach to load testing can help. Employees...



May 12, 2022 | Alex Fleck

Responding to site outages at Microsoft with machine learning and AI

Responding to site outages at Microsoft used to be very challenging. Large organizations have a lot of moving parts, and when internal sites experience outages and connectivity problems, those moving parts can grind to a halt. Getting things up and running again is priority one. In the past, responding to site outages at Microsoft required...

Microsoft Learning and Training : New Sessions



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

Microsoft Power Platform Foundations



[See all 4 sessions >](#)

Get Started with Power BI Artificial Intelligence



[See all 9 sessions >](#)



Get Started with Power BI service



[See all 5 sessions >](#)

Work less, do more with Power Automate



[See all 3 sessions >](#)

Learn to be cyber smart with Microsoft security foundations



[See 2 sessions >](#)

Microsoft Virtual Training Days

Microsoft Events and Training: Updates



Microsoft Virtual Training Days

Events Catalog



Microsoft Build

May 24-26, 2022

Microsoft Build is where developers, architects, start-ups, and students learn, connect, and code together, sharing knowledge and expanding their skillset, while exploring new ways of innovating for tomorrow.

[Watch on demand >](#)



Microsoft Inspire

July 19-20, 2022

Microsoft Inspire is where Microsoft partners connect, empower, and celebrate as one community, gaining insights into what's coming in the year ahead and learning effective new strategies to propel business forward.

[Learn more >](#)

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

5/24/2022 10:00 AM (EST)

[Register Now >](#)

Microsoft Azure Virtual Training Day: AI Fundamentals

5/23/2022 10:00 AM (PST)

[Register Now >](#)

Microsoft Security Virtual Training Day: Protect Data and Manage Risk

5/31/2022 11:00 PM (PST)

[Register Now >](#)

Microsoft Security Virtual Training: Modernise Security and Defend Against Threats

5/24/2022 11:00 PM (PST)

[Register Now >](#)

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



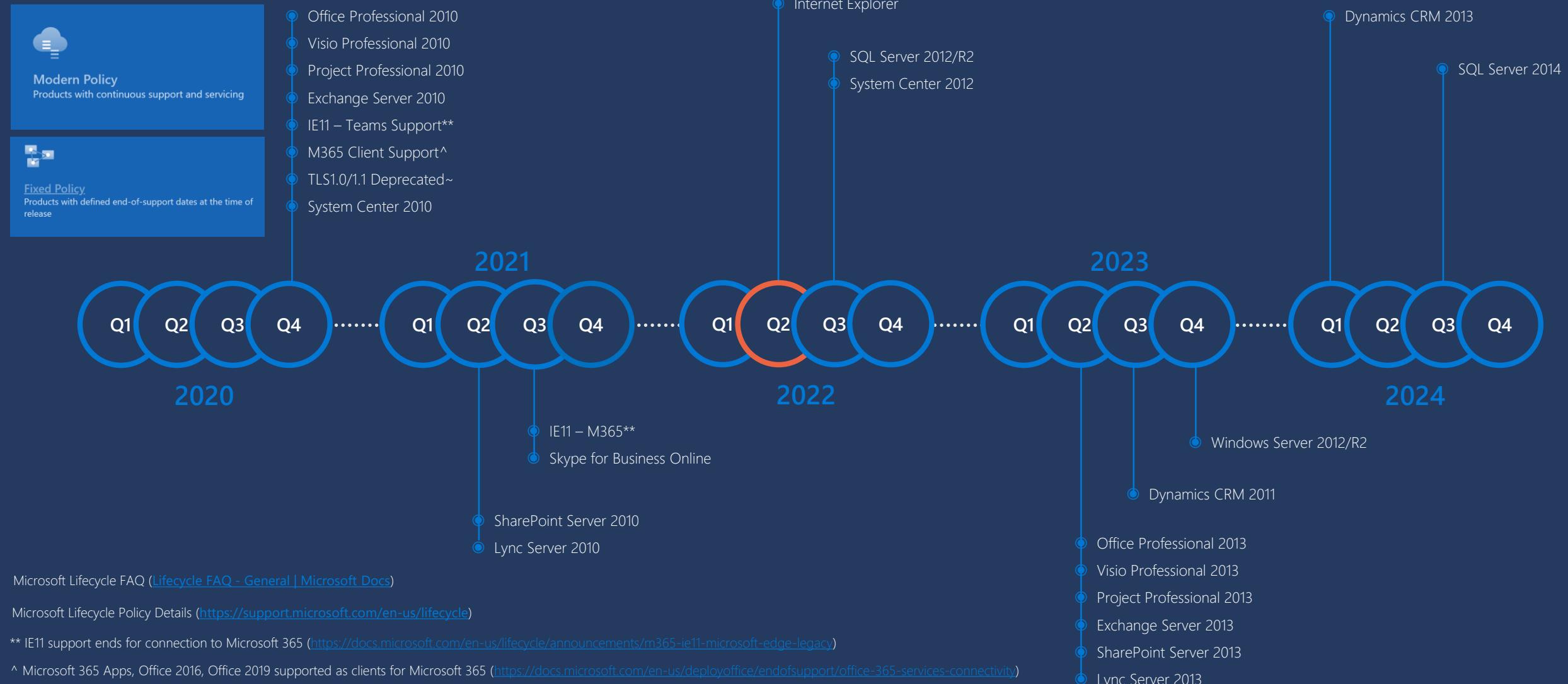
Login not working? Your organization may need to be onboarded to ESI. Please talk to your Microsoft Account Team.

Product Lifecycles

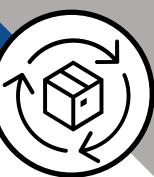




End of Service Roadmap to 2024



Microsoft Product Lifecycle: Modern Policy Products that will Retire



Products under Modern Policy that will Retire in 2022

Products that will Retire in 2022 (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

- ⌚ Office 2013 ends support in one year
- ⌚ Internet Explorer 11 desktop app support ending for certain versions of Windows 10
- ⌚ 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)
- ⌚ Windows 10, version 2004 end of servicing (all editions)

[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
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!