



Monthly Technical Update

February 2022

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



- [Microsoft BlueHat 2022](#)
- [Microsoft Privia : Privacy Management](#)
- [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](#)
- [Zero Trust through Data lifecycle](#)



Security and Compliance

- [Microsoft IT Showcase](#)
- [Technical Professional Training](#)
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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 2021 and 2022](#)
- [Companies and Technologies Acquired Since 2018](#)

Microsoft Security and Compliance : What's Next



What's Next in Security from Microsoft

See how to protect it all
with the latest innovations

Digital event / February 24, 2022



Comprehensive security is the foundation for an innovative, work-from-anywhere organization. At this digital event, you'll see how closing security gaps will give you the confidence to turn your vision into reality.

Our featured speaker, Vasu Jakkal, Corporate Vice President of Security, Compliance, and Identity at Microsoft will share some exciting new innovations, and an industry analyst from Forrester will speak about the latest market trends. You'll hear about new technology solutions that work together to protect your identities, clouds, apps, and endpoints, and you'll learn how to eliminate blind spots with proactive threat hunting and extended detection and response (XDR). Plus, discover new approaches to defend against threats and enforce least privilege access in multicloud environments.

You'll also get to participate in a live Q&A chat to get your questions answered by Microsoft security experts.

I hope you'll tune in to hear about the latest innovations that will help you protect it all—and be fearless.

[Register now >](#)



BLUEHAT

IL 2022

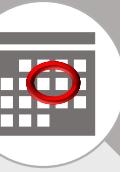
MARCH 02-03

BLUEHAT BACKSTAGE BLOG

BlueHat BackStage offers in-depth examinations of vulnerability research; giving you a peak behind closed doors. The first BackStage Blog on Adversarial Emulation is now available!

[VIEW BLOG](#)

Power BI Summit : March 7 to 11, 2022



Power BI Summit

Virtual Conference

7th – 11th March 2022

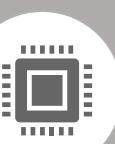
[REGISTER](#)

Power BI Summit is the biggest Power BI conference. It is a multi-day event bringing speakers from the Microsoft Power BI team's product group and community experts and MVPs from all around the world. This conference is run virtually, and you can attend from anywhere, all you need is an internet connection and a computer.

There will be more than 100 sessions at this conference. All Power BI topics are covered in this conference, from beginner to advance. We will have sessions for Power Query, DAX, Dataflow, Visualization, Power BI Desktop, Power BI report server, Mobile experience, Embedded, Power BI Premium, Architecture, governance. There will also be some discussion table talks.

This conference would be an opportunity to learn and network online. This is a virtual conference, connecting speakers and attendees around the globe.

Announcing Microsoft Privia – Privacy Management



Microsoft Priva Privacy Management

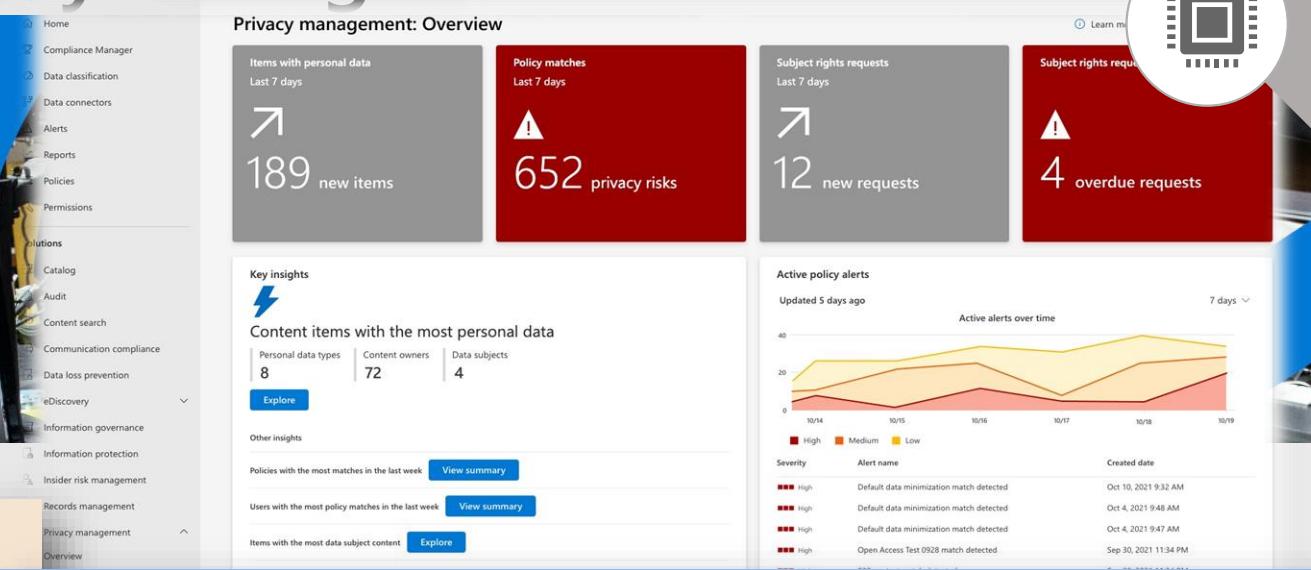
Proactively identify and help protect against privacy risks, empower employees to make smart data handling decisions, and automate and manage subject requests at scale.

Identify Automate Empower Manage at scale

Identify privacy risks

Get visibility into organization's privacy posture, including personal data landscape and status and trends of associated privacy risks arising from personal data transfers, overexposure, and hoarding.

[Learn more >](#)



Identify **Automate** Empower Manage at scale

Automate privacy operations

Help proactively prevent critical privacy risks using one of the default privacy policies or customizing the policy templates to cover select user groups, data locations, conditions, and notifications.

[Learn more >](#)

Identify Automate Empower **Manage at scale**

Manage subject rights request at scale

Manage subject rights request at scale with automated data discovery, secure collaboration workflows, built-in review and redact capabilities, integration with business processes, and API access.

[Learn more >](#)

[Learn more about Microsoft Privia](#)

Updates of Security and Compliance



Microsoft Security Blog

February 9, 2022 • 3 min read

Cybersecurity threats are always changing—staying on top of them is vital, getting ahead of them is paramount

Monitoring and gaining insights from over 24 trillion signals daily, Microsoft Security and industry leaders provide expert guidance and insights on cyber threats and trends.

January 25, 2022 • 5 min read

How CISOs are preparing to tackle 2022

We asked security decision-makers about their top security concerns, topics they are most interested in, and investments for 2022.

February 3, 2022 • 3 min read

Cyber Signals: Defending against cyber threats with the latest research, insights, and trends

We're excited to introduce Cyber Signals, a cyber threat intelligence brief informed by the latest Microsoft threat data and research. This content, which will be released quarterly, offers an expert perspective into the current threat landscape, discussing trending tactics, techniques, and strategies used by the world's most prolific threat actors.

Microsoft Security Response Center



January 28, 2022 • 3 min read

Build a privacy-resilient workplace with Microsoft Priva

Today, we celebrate international Data Privacy Day, which reminds us of the importance of respecting privacy, and enabling trust. Read the blog post to see how Microsoft Priva can help.

January 27, 2022 • 6 min read

Measure the effectiveness of your Microsoft security with AttackIQ

Microsoft and AttackIQ are working together to automate testing using MITRE ATT&CK and a threat-informed defense. AttackIQ is a part of the Microsoft Intelligent Security Association.

January 27, 2022 • 3 min read

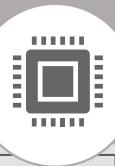
Discover 3 ways to take a holistic approach to data protection

A holistic approach to data protection can deliver better results across the organization. In this post, we share three steps that can get your organization closer.



Monitoring Global Threats: Microsoft

Microsoft Security Response Center



Ukraine ▾

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

⚡ Power and utilities

Show all industries >

Devices with encounters:
97,644 (1.14%)

Power and utilities ▾

Top threats:

Adware:Win32/Qjwmonkey
Exploit:Python/CVE-2010-1797
HackTool:MSIL/AutoKMS.I!rnm
PUA:Win32/Puasson.A!ac
PUAMiner:Win32/CoinMiner

Most affected industries

Reported enterprise malware encounters in the last 30 days

Education

Business and professional services

Business and professional services
867,310 (9.19%)

Retail and consumer goods

Financial services and insurance

February 2, 2022 • 13 min read

The evolution of a Mac trojan: UpdateAgent's progression

Our discovery and analysis of a sophisticated Mac trojan in October exposed a year-long evolution of a malware family—and depicts the rising complexity of threats across platforms.

February 4, 2022 • 19 min read

ACTINIUM targets Ukrainian organizations

The Microsoft Threat Intelligence Center (MSTIC) is sharing information on a threat group named ACTINIUM, which has been operational for almost a decade and has consistently pursued access to organizations in Ukraine or entities related to Ukrainian affairs.

Ukraine

1,757,381 devices with encounters

Top threats:

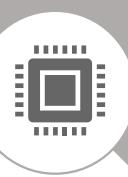
Exploit:Win32/Senglot.E
HackTool:BAT/AutoKMS
HackTool:Win32/Ntscan
PUAAdvertising:Win32/Draughts
Program:Win32/Ymacco-AA0A

January 26, 2022 • 9 min read

Evolved phishing: Device registration trick adds to phishers' toolbox for victims without MFA

We uncovered a large-scale, multi-phase campaign that adds a novel technique to traditional phishing tactics by joining an attacker-operated device to an organization's network to further propagate the campaign.

Microsoft Digital Defense Report



Microsoft Digital Defense Report

Knowledge is powerful. This report encompasses learnings from security experts, practitioners, and defenders at Microsoft to empower people everywhere to defend against cyberthreats.

[Read the report](#)

The cybersecurity bell curve:

Basic security hygiene still protects against 98% of attacks



Enable multifactor authentication

Make it harder for bad actors to utilize stolen or phished credentials by enabling multifactor authentication. Always authenticate and authorize based on all available data points, including user identity, location, device health, service or workload, data classification, and anomalies.

Apply least privilege access

Prevent attackers from spreading across the network by applying least privilege access principles, which limits user access with just-in-time and just-enough-access (JIT/JEA), risk-based adaptive policies, and data protection to help secure both data and productivity.

Keep up to date

Mitigate the risk of software vulnerabilities by ensuring your organization's devices, infrastructure, and applications are kept up to date and correctly configured. Endpoint management solutions allow policies to be pushed to machines for correct configuration and ensure systems are running the latest versions.

Utilize antimalware

Stop malware attacks from executing by installing and enabling antimalware solutions on endpoints and devices. Utilize cloud-connected antimalware services for the most current and accurate detection capabilities.

Protect data

Know where your sensitive data is stored and who has access. Implement information protection best practices such as applying sensitivity labels and data loss prevention policies. If a breach does occur, it's critical that security teams know where the most sensitive data is stored and accessed.

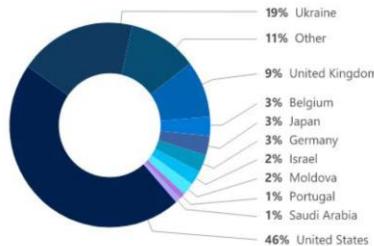
Nation state threats

Nation state threat actors have become more sophisticated and harder to detect, creating a threat to security that is replicated by other cybercriminals.

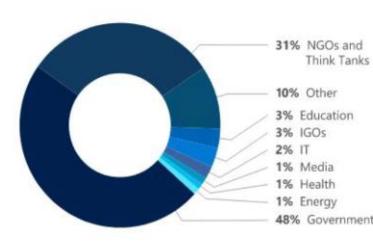
[Read the chapter](#)

As observed by Microsoft

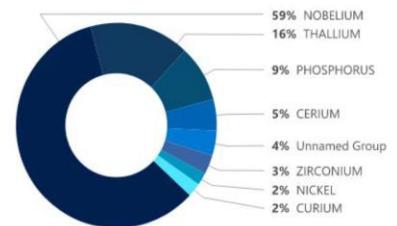
Most targeted countries (July 2020-June 2021)



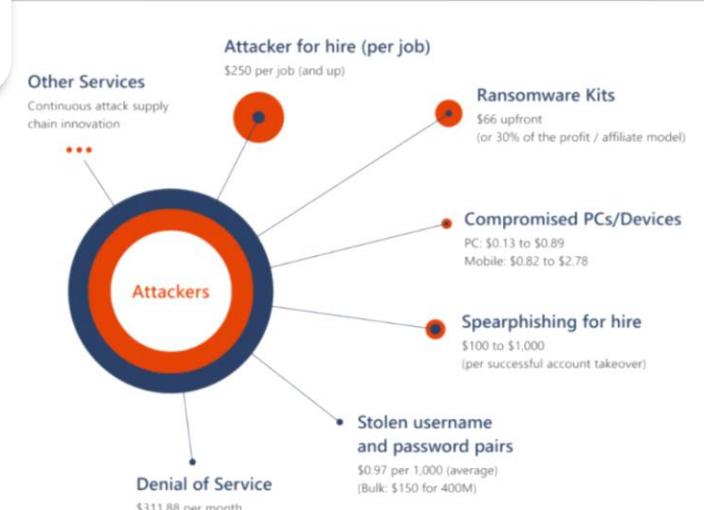
Most targeted sectors (July 2020-June 2021)



Most active nation state activity groups



Average prices of cybercrime services for sale





Microsoft 365 update information

Microsoft Teams Blog:



What's New in Microsoft Teams | January 2022

What's New in Microsoft Teams | January 2022

Microsoft_Teams_team on Jan 31 2022 03:00 AM

Welcome to the January "What's New in Teams" blog. This month we are sharing a wealth of announcements that will provide...



Devices:

- [Front row layout for Microsoft Teams Rooms : Preview](#)
- [Demystifying Teams Rooms Application](#)
- [Switch between multiple video cameras in Teams Rooms](#)
- [Cortana skills in additional languages : Generally Available](#)
- [Calling App for Teams Rooms : Updated](#)
- [Meet Now support for Teams Rooms](#)
- [Azure AD Conditional access support for Teams Rooms](#)
- [Poly Studio E70 : Certified for Teams](#)
- [Lenovo Go Wired Headset](#)
- [Lenovo Go Wired Speakerphone](#)
- [Meta \(formerly Facebook\) Portal with Microsoft Teams Experience](#)

New for This Month:

- [Press to Unmute \(Ctrl + Space / Option + Space\)](#)
- [Custom Backgrounds on Web](#)
- [Music Mode for Teams](#)
- [Mirror my video control : text is no longer flipped](#)
- [Production Workflow with Teams as a Contribution Source via SDI and with Isolated Audio](#)
- [Isolated audio feed capabilities for clean audio mix](#)
- [Hardware-out with AJA and Blackmagic design hardware](#)
- [Walkie Talkie App on Zebra Android and all iOS devices](#)
- [Reflexis Shifts connector for Teams : Generally Available](#)
- [Advanced Performance to deliver high-quality experiences](#)
- [Provide Alt-Text for images shared in Teams chat](#)



Introducing Device Trade-In for Microsoft Teams

MeeraAjam on Jan 27 2022 08:00 AM

Today, we are pleased to announce the launch of Device Trade-In for Microsoft Teams, a new program that makes it easy fo...



Teams Toolkit (Preview) v3.2.0 Preview

Microsoft | 66,760 | ★★★★☆ (21)

Create, debug, and deploy Teams apps with Teams Toolkit

[Uninstall](#) [Feedback](#) [Report a bug](#)

This extension has been disabled because the current workspace is not a Teams workspace.

[Details](#) [Feature Contributions](#) [Changelog](#) [Dependencies](#)

Microsoft Teams Toolkit for Visual Studio Code

Jumpstart Your Teams App Development with Teams Toolkit

pjirsa in Healthcare and Life Sciences Blog Jan 31 2022 05:40 AM

Teams Toolkit Preview extension for Visual Studio Code

Teams Phone:

- [Transcription for 1:1 Calls](#)
- [1:1 VoIP and PSTN Call Recordings and Transcriptions Available in Call History](#)

Management:

- [5 Tips for enabling safe and effective online meetings](#)
- [Teams Meeting Recordings – Automatic Expiration](#)
- [App detail page view in Teams Admin Center : Enhancements](#)
- [Admin notification for Custom App submissions](#)
- [Scoped Teams Device Administration Role](#)
- [Manage Surface Hub devices in Teams Admin Center](#)
- [New Guest User Usability : Updates](#)

Government Cloud Updates : GCC-High and DoD Clouds:

- [Custom backgrounds on Web](#)
- [Teams Admin Center – Sensitivity label support in Government Clouds](#)



What's New in Microsoft 365

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



Microsoft 365 Updates:

- [Azure AD Join Windows 365 Cloud PC support](#): Public Preview
- [Accessibility Checker](#) : Run in the background mode
- [Provide Alt-Text for images shared in Teams Chat](#)
- [OneNote for Web and Teams](#) : Significant Updates : New Mode Switcher, Zoom In/Out, Auto-Inking, Sharing, etc.
- [New Security Hardening Policies for Trusted Documents](#)
- [Application Guard for Office](#) : Generally Available
- [Viva Connections App](#) : Workday and Expressive connectors
- [Viva Adoption Resources](#) : Generally Available
- [Microsoft Lists](#) : Preview
- [Onboarding Devices in Microsoft 365 Apps Admin Center](#)
- [Windows 365 Enterprise](#) : Feb. 2022 Updates
- [Unified Whiteboard experience](#) : Preview

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](#)



Helping users stay safe: Blocking internet macros by...

Kellie_msft on Feb 07 2022 09:07 AM

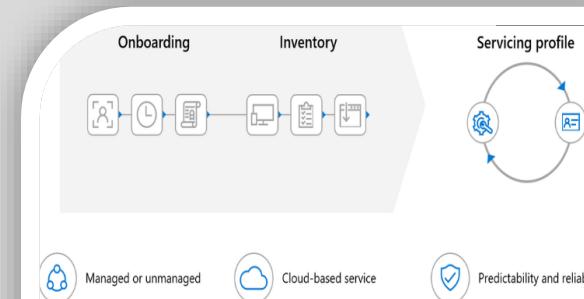
To protect our customers, users will no longer be able to enable macros obtained from the internet.



Try Microsoft Lists with your Microsoft account (Preview)

Mark Kashman on Jan 31 2022 08:00 AM

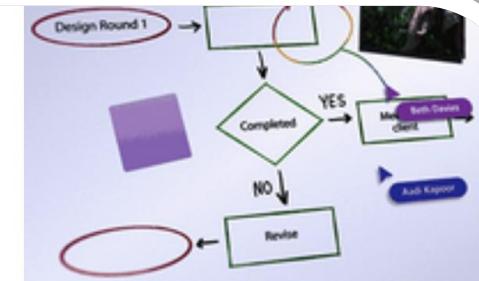
Try Microsoft Lists with your Microsoft account (Preview) - highlights from the "Test kitchen" scenario video. Today we...



Onboarding Devices in the Microsoft 365 Apps Admin Center

BobClements on Jan 24 2022 08:48 AM

Learn how to use the Inventory feature in the Microsoft 365 Apps admin center to onboard devices in your organization!



Unified Whiteboard experience coming to Surface Hub

Yoav Barzilay in [Surface IT Pro Blog](#) Feb 09 2022 09:36 PM

What to expect when the new Microsoft Whiteboard rolls out to Surface Hub.

Power Platform and Dynamics

Power BI Blog

- [Asynchronous Refresh in Power BI :Public Preview](#)
- [How to Integrate Power BI Reporting into .NET Apps](#)
- [Export Power BI report to file API : Generally Available](#)
- [New Admin APIs to retrieve email subscriptions and shared reports](#)
- [Process Mining - view and optimize business processes: Public Preview](#)
- [Deployment Pipelines - Azure DevOps extension, Dataflows : Generally available](#)

PowerApps Blog: Power Automate Blog: Power Virtual Agents Blog

- [Power Apps portals support for Query Data using portals Web API : Generally Available](#)
- [Modern advanced-find with enhanced view management in Model-Driven Apps](#)
- [Power Virtual Agents integration using "Chatbot" component : Generally Available](#)
- [20 New Power Automate Independent Publisher Connectors](#)
- [Extract Sentiment from Text with AI Builder](#)
- [Power Virtual Agents Customer Playbook : Generally Available](#)
- [Power Virtual Agents bots-as-skills with Bot Framework : Generally Available](#)



Trigger a flow with a Power BI data-driven alert

By Microsoft

Automated
72635



Create a task in Planner based on Office 365 Outlook calendar event

By Microsoft Power Automate Community

Automated
1755



Dynamics 365 composable approach enables rapid deployment of a supply chain control tower >

January 31, 2022 • 4 min read

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

Delays, constraints, and disruptions are frequent challenges for global supply chains. And they are costly. According to Gartner® 70 percent of supply chain leaders report that they have been constantly responding to disruptions since 2019. Supply chain professionals have long understood that the earlier potential disruptions and constraints are identified, the more successful the measures... [Read more](#)



2022 release wave 1 plans for Dynamics 365 and Power Platform now available >

January 25, 2022 • 8 min read

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

Today, we published the 2022 release wave 1 plans for Microsoft Dynamics 365 and Microsoft Power Platform, a compilation of new capabilities that are planned to be released between April 2022 and September 2022. This first release wave of the year offers hundreds of new features and enhancements, demonstrating our continued investment to power digital transformation... [Read more](#)



Microsoft is named a Leader for Field Service Management >

February 2, 2022 • 4 min read

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

The past year has cultivated many personal and professional changes. No person or industry has been untouched. Even field service has embraced seismic changes as a result of the ongoing global pandemic. For many field service organizations, being dispatched to the customer's location to diagnose and resolve an issue became more complex than ever before.... [Read more](#)

Roadmaps and Release plans:



Developer and GitHub



Choose a workflow

Build, test, and deploy your code. Merge code reviews, branch management, and issue tracking with the easy one-click.

Suggested for this repository

Deploy Image

CI/CD

Configure

GitHub

Code Review

Metrics

Healthchecks

Continuous Integration

Push Docker Container

CI/CD

Configure

GitHub

Code Review

Metrics

Healthchecks

How to build a CI/CD pipeline with GitHub Actions in four simple steps

A quick guide on the advantages of using GitHub Actions as your preferred CI/CD tool—and how to build a CI/CD pipeline with it.

Nick Rolfe · February 2, 2022

Thinking beyond SQL injection: OWASP tips for secure database access

When it comes to secure database access, there's more to consider than SQL injections. OWASP Top 10 Proactive Control C3 offers guidance.

Alvaro Munoz · January 27, 2022

GitHub Blog

- [Coordinated Vulnerability Disclosure \(CVD\) for Open-Source projects](#)
- [How to build a CI/CD pipeline with GitHub Actions in four simple steps](#)
- [Dependency graph now supports GitHub Actions](#)
- [Improving the developer experience for Dependabot alerts](#)
- [Privilege escalation with polkit: How to get root on Linux with a seven-year-old bug](#)
- [Introducing the New \(and Improved!\) Campus Experts Program](#)
- [Code scanning and Ruby: turning source code into a queryable database](#)
- [Thinking beyond SQL injection: OWASP tips for secure database access](#)
- [Release Radar · January 2022 Edition](#)
- [How to start using reusable workflows with GitHub Actions](#)

Microsoft Developer Blogs:

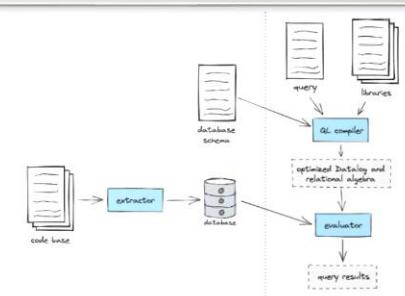
- [Dual Screen App Design Walkthrough](#): Foldables and dual screens
- [Azure DevOps requires TLS 1.2 on all connections including Visual Studio](#)
- [Introducing new Git features to Visual Studio 2022](#)
- [Databinding with the OOP Windows Forms Designer](#)
- [Facebook SDK v12.2 for Xamarin.iOS Now Available](#)
- [Sustainable Software Engineering \(SSE\) and the role and responsibilities of a Sustainable Software Engineer](#)
- [Support ends for older versions of Visual Studio](#)
- [Solution accelerator for knowledge mining available for Azure Government](#)
- [SharePoint Framework 1.14 – Viva Connections, Teams Updates](#): Release Candidate
- [AddToReviewSet action in Microsoft Graph API for eDiscovery](#): Beta
- [Explore Quantum Hardware for Free with Azure Quantum](#)
- [Azure Identity Support in Azure Functions SignalR extension](#): Beta



Release Radar · December 2021 Edition

Our community has been hard at work through December shipping updates. Here's our staff picks for open source projects with major version releases

Michelle Mannerling · January 21, 2022



Code scanning and Ruby: turning source code into a queryable database

A deep dive into how GitHub adds support for new languages to CodeQL.

Nick Rolfe · February 1, 2022

Office Developer Blogs and Microsoft 365 Dev Center



Develop for the Microsoft 365 platform

Build rich solutions that integrate apps and business processes to enhance productivity in the modern workplace.

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

[Developer Blog :: Office Developer :: DevBlogs](#)

- [Outlook JavaScript API deprecation for AttachmentDetails.contentType property](#)
- [New Single Sign-on service for Office Add-ins rolling out in Office on the web](#)
- [Outlook API Set : Updates for Developers](#)
- [Outlook JavaScript API deprecation for AttachmentDetails.contentType property](#)
- [Using Storage to share data between UI-less custom functions and the Task Pane](#)
- [Office Add-in that supports Single Sign-on to Office, the Add-in, and Microsoft Graph](#)
- [Outlook event-based activation on Mac](#)
- [Get, edit, and set OOXML content in a Word document with a Word add-in](#)



Office Scripts

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

[Learn more >](#)[Try sample scripts >](#)

Build powerful Outlook apps using one set of APIs

Reach hundreds of millions of users across web, Windows, Mac, and mobile.

[Learn more >](#)

Build applications for Excel

[Explore >](#)

Extend Word across multiple platforms

[Explore >](#)

Integrate with Outlook

[Explore >](#)

Fluent UI

The official front-end framework for building experiences that fit seamlessly into Microsoft 365.

[Explore >](#)

Create add-ins for PowerPoint

[Explore >](#)

Azure



Azure Updates



Azure Announcements : Azure Blog

- [The intersection of Edge Computing, Telecommunications networks and the Cloud](#) : Report
- [Accelerate in-vehicle digital experiences with Azure Cognitive Services](#)
- [Genomic analysis on Galaxy using Azure CycleCloud](#)
- [Azure Open-Source Day](#) : Feb 15, 2022
- [Azure Project Bonsai](#) – Create intelligent industrial control systems using simulations : Preview
- [Azure Fluid Relay – Add real-time collaborative experiences to your apps](#) : Preview
- [Microsoft Azure Payment HSM service](#) : Public Preview
- [Azure Internet Analyzer](#) – Test how networking changes will impact your customer's performance : Preview

Data, AI, Security, & Availability

- [Azure DDoS Protection – 2021 Q2 and Q4 attack trends](#) – largest DDoS attacks ever
- [Azure Bastion supports file transfer via the native client](#) : Preview
- [Azure Network Security services updates for enabling Zero-Trust](#)
- [Azure Anomaly Detector](#) – AI service to foresee problems before they occur : Updates
- [New Performance and logging in Azure Firewall](#)
- [Azure Firewall – Improved defenses for Ransomware](#) : Updates
- [Azure Confidential Ledger – Tamperproof, unstructured data in trusted execution environments \(TEEs\)](#) : Preview

Operations & Benefits

- [Getting Started material in Azure IoT Central](#) : Generally Available
- [How Open Source plays a key role in Microsoft's cloud strategy](#) inside Azure for IT
- [Right-sizing Azure](#) : Guidance
- [Landing Zone Accelerator for Azure Arc-enabled servers](#) : Announcement

Learning Microsoft Azure

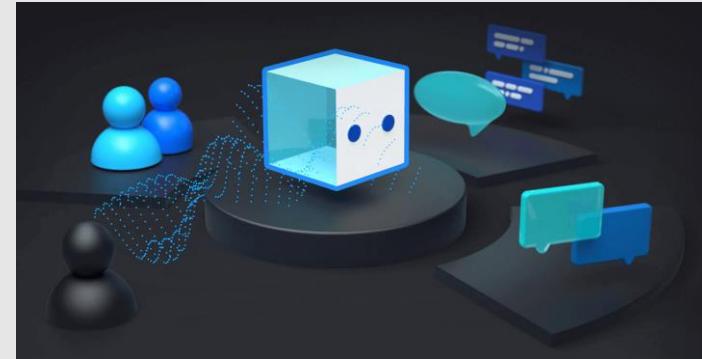
The screenshot shows the Microsoft Learn homepage with a large 'i' icon. Below it, a 'LEARN' section features a colorful 'LEARN' graphic. To the right, there are four main sections: 'VIDEOS Build Sessions' (View on demand sessions from Build across various solutions and technologies), 'COMMUNITY Microsoft Tech Community' (Connect and discuss the latest news, product updates, and best practices with Microsoft professionals and peers), 'EVENTS Virtual Training Days' (These 1 and 2 day virtual events will give you the opportunity to expand your skillset and connect with Microsoft experts), and 'Your path to get started' which lists three learning paths: 'Azure Fundamentals part 1: Describe core Azure concepts', 'Manage resources in Azure', and 'Manage identity and access in Azure Active Directory'. Each path includes a thumbnail, duration, level, and tags.

Azure Services Directory



Azure Functions

Execute event-driven serverless code with an end-to-end development experience



Azure Video Analyzer

An AI service for quickly building video analytics solutions



Azure Automanage : Preview

Simplify and Optimize IT Management with Automated Operations

Point-and-click simplicity, automate operations and apply consistent best practices across the entire lifecycle of Windows Server and Linux virtual machines

Azure Functions : Update

- Complete Serverless development experience
- Automated and flexible scaling
- [CI/CD with intelligent and proactive insights](#)
- [Simplify Complex Orchestrations](#) with Durable Functions
- [Save time with triggers and bindings](#): Connect to other services without hard-coding

Azure Video Analyzer : Preview

Bringing [Computer Vision](#) and [Custom Vision](#) together to quickly build video analytics:

- [Gather and manage insights with AI Models](#)
- [Spatial Analysis for Real-Time understanding of movement in a physical space](#)
- [AI Models for exact audio and video data](#) like spoken words, text, facial expressions, faces, topics and scenes
- [Tailor AI Models to improve accuracy.](#)
- [Customization of orchestration pipeline](#)
- [Specialized for Media and Entertainment](#)

Azure Automanage : Preview

- [Automated VM Configuration Management](#)
- Automate frequent, time-consuming tasks like [Monitoring](#) and [Backup](#)
- Leverage Azure capabilities like Azure [Hotpatch](#) and [Private IP address preservation](#)
- Proactively [detect and automatically remediate configuration drift](#) - If a machine diverges from desired configuration state.

Azure Specific On-Demand Training



Digital event: Azure Virtual Desktop Master Class

Expand your cloud desktop virtualization skillset at the free Azure Virtual Desktop Master Class digital event on January 25. Learn best practices for deploying, optimizing, and managing Azure Virtual Desktop.

[Watch now >](#)



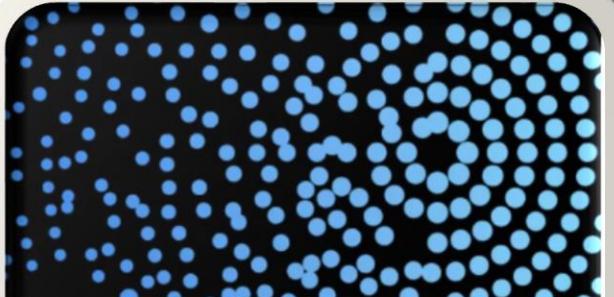
DIGITAL AND APP INNOVATION

Watch how to turn your app innovation ideas into reality faster using Azure, GitHub, and Visual Studio.



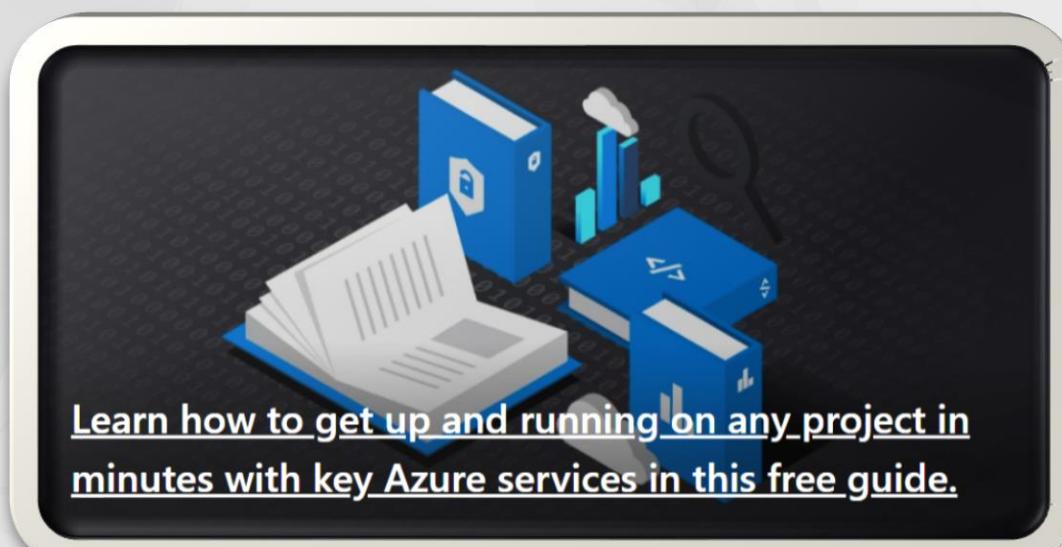
30 DAYS TO LEARN IT CHALLENGE

Build new cloud skills in this 30-day challenge and earn 50 percent off a Microsoft certification exam.



RESPONSIBLE AI DIGITAL EVENT

Learn 10 guidelines for developing AI solutions responsibly—watch now on demand.



[Learn how to get up and running on any project in minutes with key Azure services in this free guide.](#)

New trends with Microsoft Technology



Updates from Microsoft Industry Blogs



Project SEEKER: Using artificial intelligence for good >

January 31, 2022 • 3 min read

By [Daniel Haines](#), Azure Data & AI Solution Specialist

Project SEEKER is pioneering multi-species artificial intelligence (AI) models built using Microsoft Azure Machine Learning Services. It can automatically detect illegally trafficked wildlife concealed within luggage and cargo. Illegal wildlife trafficking is worth \$23 billion per year¹. That makes it the fourth-largest illegal trade in the world, following only drugs, guns, and human trafficking². One...[Read more](#)



Microsoft Cloud for Retail: Enabling retailers to transform consumer experience and operations through data >

February 1, 2022 • 6 min read

By [Satish Thomas](#), VP Industry Clouds + Solutions Engineering

This is a transformative time in retail. In talking to industry leaders, clear trends emerge, including the growing importance of unlocking consumer insights balanced with privacy, the need for tighter omnichannel experience, the challenge of mitigating supply chain disruptions, and not compromising on sustainability. Ultimately, much of this results in increased consumer and associate expectations...[Read more](#)



5 critical areas emergency response solutions must address >

January 27, 2022 • 1 min read

By [Kirk Lombom](#), Director of Public Safety and Justice Strategy, US State and Local Government, Microsoft

Efficient, effective emergency response is critical to public safety. In an ever-changing world, more challenges arise every day for our first responders, from 911 triage and dispatch operations to response to incidents from multiple agencies. To ensure the highest levels of service, the following five areas must be addressed: Modernizing of legacy systemsIntegrating different protocols...[Read more](#)



Top opportunities for automotive and mobility in 2022 >

January 26, 2022 • 7 min read

By [Sanjay Ravi](#), General Manager, Automotive, Mobility & Transportation Industry

How the automotive, mobility, and transportation industry embraced transformation in 2021 to drive resiliency and innovation into 2022 and beyond. Now that we've ushered in 2022 and closed the chapter on 2021, I look back highly impressed with the resilience of the automotive, mobility, and transportation industries. Presented with unprecedented global challenges, the industry's engine...[Read more](#)

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.

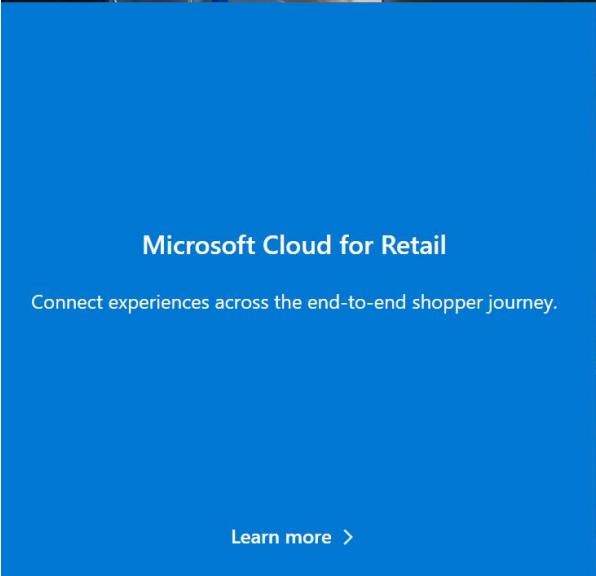
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Microsoft Cloud for Manufacturing

Manufacture a more resilient and sustainable future.

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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.

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Microsoft Cloud for Nonprofit

Create scalable and transformative impact.

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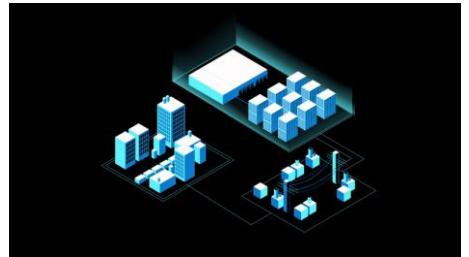
Microsoft Cloud for Sustainability

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



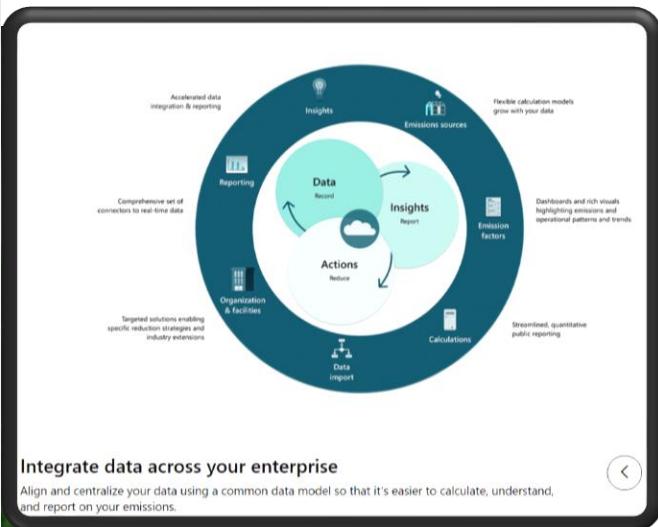
Accelerate your sustainability journey

Microsoft Cloud for Sustainability is an extensible software-as-a-service solution that helps you record, report, and reduce your organization's environmental impact through automated data connections and actionable insights.



Record

Connect data to more accurately represent the emissions footprint of your operation and value chain.



Integrate data across your enterprise

Align and centralize your data using a common data model so that it's easier to calculate, understand, and report on your emissions.



Report

Visualize and report your environmental impact and sustainability progress in near real time.

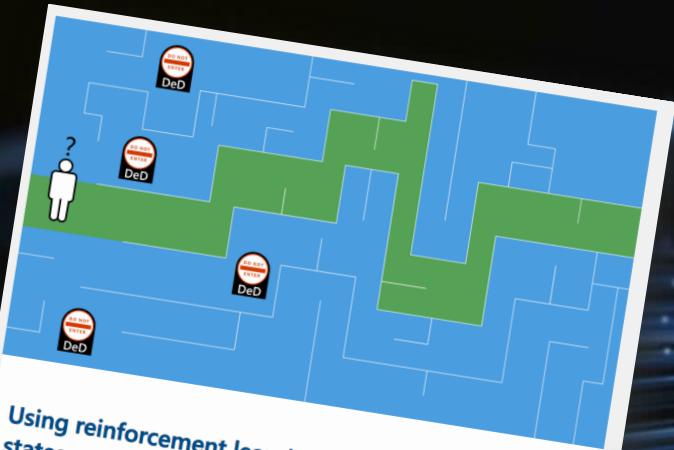


Reduce

Learn how to advance your efforts to reduce emissions, gain efficiencies, and make lasting changes.



Microsoft Research Blog



Using reinforcement learning to identify high-risk states and treatments in healthcare >

As the pandemic overburdens medical facilities and clinicians become increasingly overworked, the ability to make quick decisions on providing the best possible treatment is even more critical. In urgent health situations, such decisions can mean life or death. However, certain treatment protocols can pose a...

February 2, 2022 by [Mehdi Fatemi](#), [Taylor Killian](#), and [Marzyeh Ghassemi](#)



Advancing AI trustworthiness: Updates on responsible AI research >

Inflated expectations around the capabilities of AI technologies may lead people to believe that computers can't be wrong. The truth is AI failures are not a matter of if but when. AI is a human endeavor that combines information about people and the physical world...

February 1, 2022 by [Mihaela Vorvoreanu](#) and [Kathy Walker](#)



DeepSpeed: Advancing MoE inference and training to power next-generation AI scale >

In the last three years, the largest trained dense models have increased in size by over 1,000 times, from a few hundred million parameters to over 500 billion parameters in Megatron-Turing NLG 530B (MT-NLG). Improvements in model quality with size suggest that this trend will...

January 19, 2022 by [DeepSpeed Team](#) and [Andrey Proskurin](#)

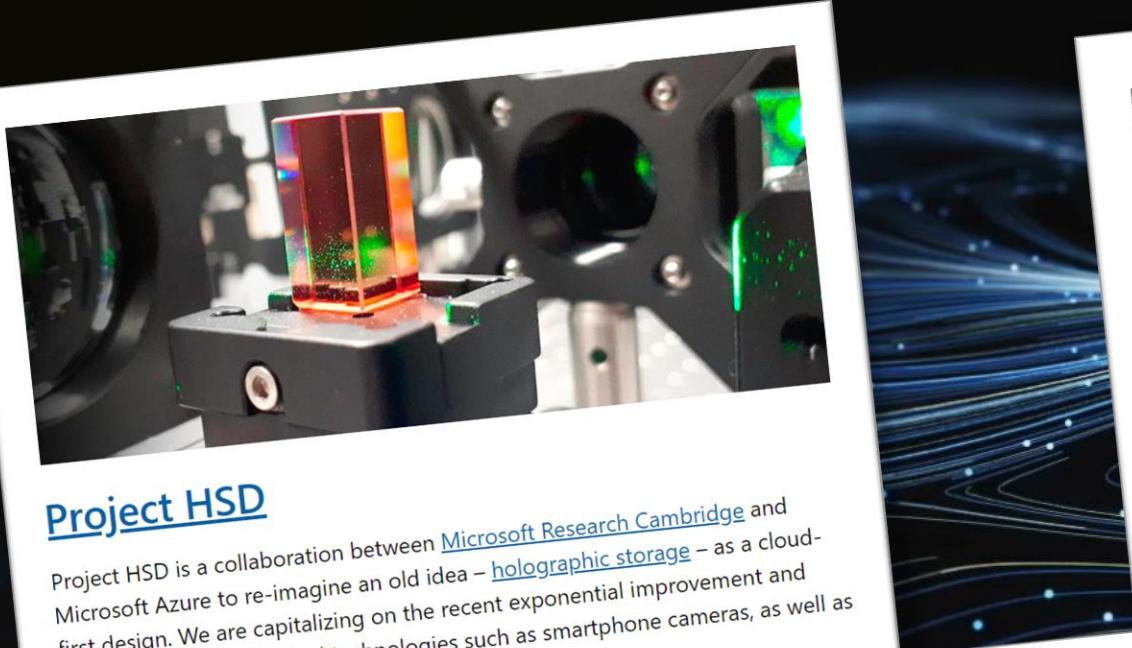


EzPC: Increased data security in the AI model validation process >

From manufacturing and logistics to agriculture and transportation, the expansion of artificial intelligence (AI) in the last decade has revolutionized a multitude of industries—examples include enhancing predictive analytics on the manufacturing floor and making microclimate predictions so that farmers can respond and save their crops...

January 12, 2022 by [Nishanth Chandran](#), [Divya Gupta](#), [Aseem Rastogi](#), and [Rahul Sharma](#)

Microsoft Research Blog



Project HSD

Project HSD is a collaboration between [Microsoft Research Cambridge](#) and Microsoft Azure to re-imagine an old idea – [holographic storage](#) – as a cloud-first design. We are capitalizing on the recent exponential improvement and commoditization in optical technologies such as smartphone cameras, as well as the unique opportunity to design at cloud scale.



Project Silica

Project Silica is a collaboration between [Microsoft Research Cambridge](#) and Microsoft Azure, building on a previous collaboration with the University of Southampton, innovating a ground-breaking cloud storage system that uses femtosecond lasers to write data into quartz glass which, due to its durable properties, provides long-lasting, easily-readable storage.



Project Sirius

This project aims to develop an all-optical, data-center-wide network that is completely flat, in contrast to the hierarchy of electrical switches used today.



Project Iris

This project explores novel designs of regional and wide-area cloud networks, from the ground up.

Providers added to this workspace		
Name ↑	Provider type ↑	Plan
Honeywell Quantum Solutions Honeywell	Quantum Computing	Azure Quantum Credits
IONQ IonQ	Quantum Computing	Azure Quantum Credits

Explore Quantum Hardware for Free with Azure Quantum



Mike Blouin February 3, 2022

Learn how to use the \$500 Azure Quantum credits to experiment with our partners' quantum hardware.

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 operation 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 this as a for loop.
        for (idxIteration in 0...NIterations (nQubits))
            ReflectAboutMarked(qubits);
            ReflectAboutUniform(qubits);
    }
    // Measure and return the answer.
    return ForEach(MResetZ, qubits);
}
```

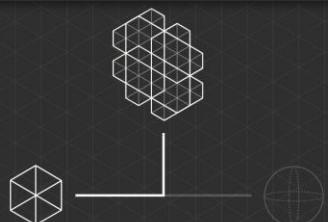
Grow your quantum skills

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.



Optimization

Optimization solvers that run on classical hardware.

LEARN	CODE	USE
Code Samples	Visual Studio	Python SDK
MS Learn	VS Code	Optimization API

SOLVE

Optimization solvers

RUN

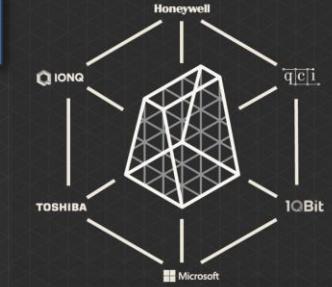
CPU's, FPGAs, GPUs



QDK

Quantum Computing with Q#, Qiskit, or Cirq

Optimization



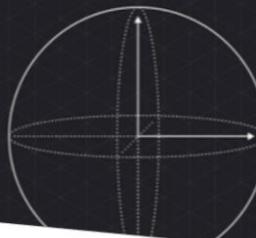
[Home](#) / [Solutions](#) / [Quantum](#) / [Technology](#)

Building a scalable quantum system

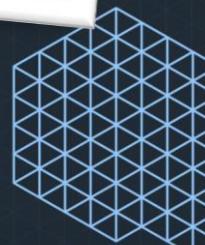
Learn how Microsoft is leading the way to scalable, accessible quantum computing with worldwide research teams and partnerships

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



Myth vs. reality: A practical perspective on quantum computing
Read the article discussing the practicality of quantum computers.



Unified development interface

With Azure Quantum and its [quantum development kit](#), what could be a heterogeneous 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.



Showcase of the Month





Microsoft Showcase Series

Inside Track

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



January 11, 2022

Creating the digital workplace at Microsoft

[READ ARTICLE >](#)

Jan 27, 2022 | Josh Krenz

How Microsoft is delivering smart building experiences with CI/CD for Azure Digital Twins

Microsoft empowers employees and guests with user experience scenarios, like pathfinding and hotdesking, to make life easier. To quickly facilitate impactful smart building features at scale, Microsoft Digital's engineers rely on a structured approach that combines templates and pipelines for continuous integration and continuous delivery (CI/CD) to accelerate implementation without compromising quality. With CI/CD for...

Feb 4, 2022 | Bonnie Darves

Protecting Microsoft's SAP workload with Microsoft Sentinel

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

Jan 12, 2022 | Stacy Souza

Rethinking supplier content at Microsoft with Microsoft Power Automate

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

Jan 18, 2022 | Alexa Phillips

Transforming Microsoft's lobby experience with a new Microsoft Guest Management System

The new Microsoft Guest Management System (GMS) is helping Microsoft make a better first impression at one of its very important front doors—the lobbies of its hundreds of buildings scattered across the globe. For many guests, a building lobby is the first impression they get of Microsoft, so it's important to make it a positive...

Microsoft Learning and Training : New Sessions



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Microsoft Virtual Training Days

Microsoft Events and Training: Updates



Microsoft Virtual Training Days

Events Catalog

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.

App in a Day - JourneyTEAM - United States

02/23/2022 | 09:00 - 17:00 (CST)

Digital

Training

Finance Reimagined Feb 23, 2022

02/23/2022 | 10:30 - 13:30 (CST)

Digital

Training

<https://aka.ms/msftFinanceReimagined>

[Show less](#)

[Registration and details](#)



Dashboard in a Day - EPM Strategy - United States

02/23/2022 | 09:00 - 17:00 (CST)

Digital

Training

[Registration and details](#)



Microsoft Security Virtual Training Day: Protect Data and

03/01/2022 | 09:00 (CST) -
03/02/2022 | 11:15 (CST)

Digital

Training

[Registration and details](#)



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



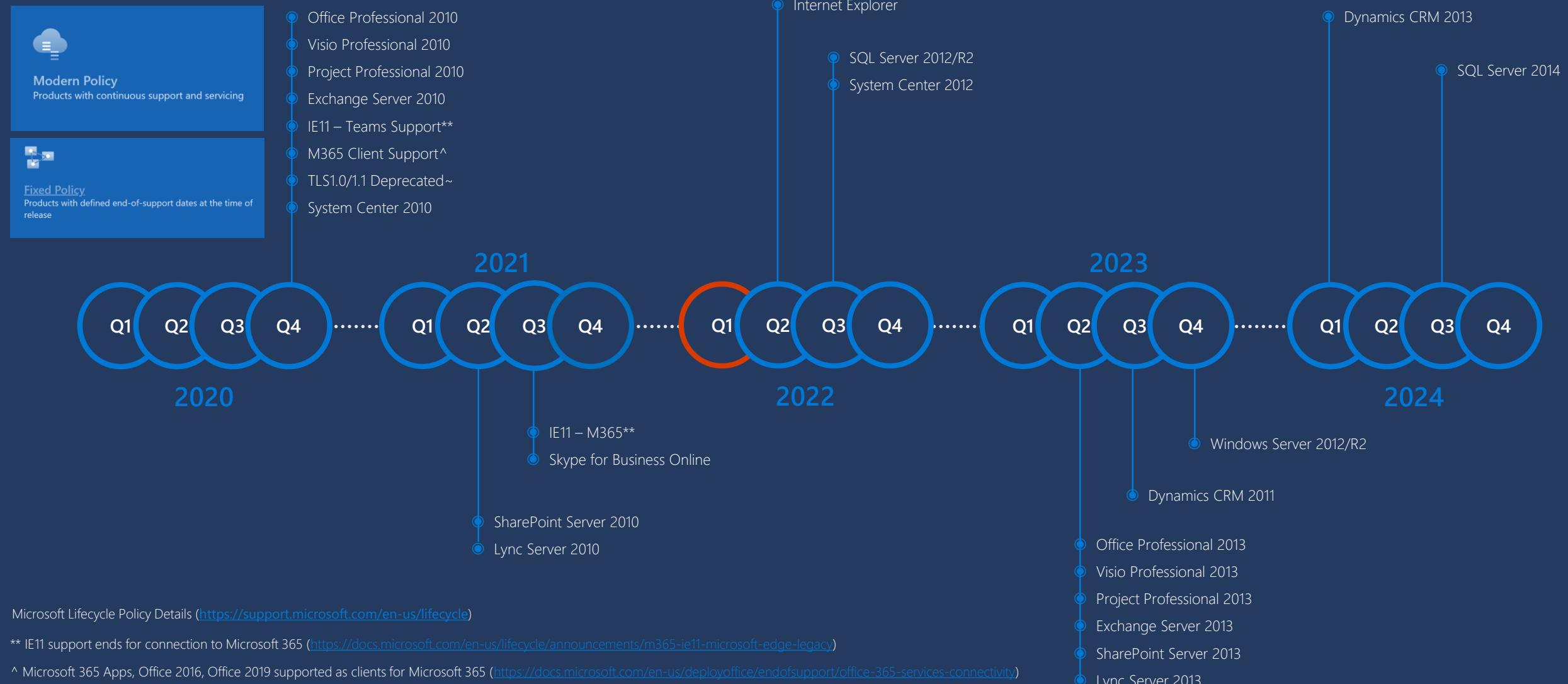
Login not working? Your organization may need to be onboarded to ESI. Please talk to your Microsoft Account Team.

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
Microsoft Machine Learning Server (Microsoft R Server)	July 1, 2022
Windows Server 20H2	August 11, 2022
PowerShell 7.x	December 3, 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

- ⌚ 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)
- ⌚ Windows Server, version 2004 end of servicing (Datacenter, Standard)
- ⌚ Microsoft Store for Business and Education retiring in early 2023
- ⌚ New options for SQL Server 2012 and Windows Server 2012 End of Support
- ⌚ Microsoft Machine Learning Server (R Server) retirement on July 1, 2022

[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	Windows Embedded POSReady 7, Extended Security Update Year 1*	October 8, 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	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 Standard 7, Extended Security Update Year 2*	October 11, 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	Azure StorSimple 1200 Series Azure StorSimple 8000 Series StorSimple Data Manager	December 31, 2022
Cloud Platform System Microsoft Report Viewer 2012 Runtime 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
<u>Activision Blizzard</u>	01-18-2022	<p>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."</p>

Microsoft Acquisitions - 2021



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

Microsoft Acquisitions - 2021



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



Microsoft Acquisitions - 2020

Company	Date	Description
ZeniMax Media	09-21-2020	ZeniMax Media, the parent company of Bethesda Softworks , one of the largest privately held game developers and publishers in the world . Creators of critically acclaimed and best-selling gaming franchises including The Elder Scrolls, Fallout and many others , Bethesda brings an impressive portfolio of games, technology and talent — as well as a track record of blockbuster commercial success — to Xbox.
Orions Systems	07-07-2020	Orions Systems, a pioneer in the development of large-scale, hybrid, smart vision systems focused on “human-in-the-loop” machine teaching combined with services that can adapt to running on a single device or scale to address large scale edge-to-cloud network topologies . The Power Platform and Orions Systems is enabling intelligent retail spaces by leveraging observational data to unlock the full potential of customers, employees, and assets.
CyberX	06-22-2020	CyberX will complement the existing Azure IoT security capabilities and extends to existing devices including those used in industrial IoT, Operational Technology and infrastructure scenarios . With CyberX, customers can discover their existing IoT assets, and both manage and improve the security posture of those devices . CyberX, customers can see a digital map of thousands of devices across a factory floor or within a building and gather information about their asset profile and vulnerabilities,
ADRM Software	06-18-2020	ADRM Software is a leading provider of large-scale industry data models , which are used by large companies worldwide as information blueprints. ADRM's robust industry data models have been built and refined over decades for business-critical analytics. Together with Microsoft Azure, these capabilities will be delivered at scale , enabling our customers to accelerate digital progress, and reduce risk in a variety of major initiatives.
Softomotive	05-19-2020	Softomotive currently helps more than 9,000 global customers seamlessly automate business processes across legacy and modern desktop applications . Together with Power Automate, WinAutomation will provide customers additional options for RPA desktop authoring so anyone can build a bot and automate Windows-based tasks.
Metaswitch Networks	05-14-2020	Metaswitch Networks , a leading provider of virtualized network software and voice, data and communications solutions for 5G operators .
Corp.Com	04-07-2020	"To help in keeping systems protected we encourage customers to practice safe security habits when planning for internal domain and network names. We released a security advisory in June of 2009 and a security update that helps keep customers safe. In our ongoing commitment to customer security, we also acquired the Corp.com domain."
Affirmed Networks	03-26-2020	Affirmed Networks with its leadership in virtualized 5G mobile networks . Affirmed Networks and Microsoft will play an important role in helping advance 5G and deliver new network solutions that offer step-change advancements in speed, cost and security. This combination of technology leaders will enable a host of new opportunities for businesses and society, including autonomous vehicles, smart cities, virtual reality and a range of other smart industry use cases and services .

Microsoft Acquisitions - 2019



Company	Date	Description
Movere	10-21-2019	Movere accelerates cloud migrations. It increases business intelligence by accurately presenting entire IT environments within a single day , providing enterprises with the confidence they need to have visibility and control of their environments regardless of platform, application or geography as organizations grow, change and digitally optimize .
Semmle	09-18-2019	Semmle's revolutionary semantic code analysis engine allows developers to write queries that identify code patterns in large codebases and search for vulnerabilities and their variants . Semmle is trusted by security teams at Uber, NASA, Microsoft, Google , and has helped find thousands of vulnerabilities in some of the largest codebases in the world , as well as over 100 CVEs in open source projects to date.
JClarity	08-19-2019	The leading contributor to the AdoptOpenJDK project , to support their continued contributions to open source while driving increased performance for Java workloads on Azure . The team, formed by Java champions and data scientists with proven expertise in data driven Java Virtual Machine (JVM) optimizations , will help teams at Microsoft to leverage advancements in the Java platform.
PromotelQ	08-05-2019	The leading provider of vendor marketing technology to online retailers and brands . PromotelQ has pioneered the private marketplace approach to digital vendor marketing. PromotelQ's technology strategically complements Microsoft's current retail advertising offerings, and can enable retailers with a portfolio of technology solutions to modernize their e-commerce platforms and maximize their monetization opportunity. Retailers such as Kroger, Kohl's and Overstock.com — will continue to benefit from the PromotelQ platform and team.
BlueTalon	07-29-2019	A leading provider of Unified Data Access Control solutions for modern data platforms . BlueTalon works with leading Fortune 100 companies to eliminate data security blind spots and gain visibility and control of data. BlueTalon provides a customer-proven, data-centric solution for data access management and auditing across the diverse systems resident in modern data estates.
PullPanda^	06-17-2019	PullPanda^ helps teams create more efficient and effective code review workflows on GitHub . Better code reviews mean better code for software teams of all sizes, whether you work in open source or on a Fortune 500 team. PullPanda^ gives teams a better way to manage reviews, reduce turnaround times, and ship code faster .
Double Fine Productions	06-09-2019	Double Fine is a beacon of creativity and spirit in game development for almost 20 years with classic games like Pyschonauts, Brütal Legend and Broken Age . At the root of every game is an emphasis on creating crazy worlds with originality, story and fun. That commitment to creating a unique, player-centric experience is what drew us to the studio, and I'm looking forward to seeing what we create together.
Drawbridge Solutions	05-28-2019	LinkedIn will integrate Drawbridge's technology into our marketing solutions portfolio to help our customers better reach and understand their professional audiences and measure the ROI of their campaigns.
Dependabot	05-23-2019	Dependabot is integrated directly into GitHub and will monitor your dependencies for known security vulnerabilities and automatically open pull requests to update them to the minimum required version. We are rolling out automated pull requests to all accounts with security alerts enabled along with other enhancements in the coming months.



Microsoft Acquisitions – 2019 & late 2018

Company	Date	Description
Express Logic	04-18-2019	a leader in real time operating systems (RTOS) for IoT and edge devices powered by microcontroller units (MCUs) . Express Logic's ThreadX RTOS has over 6.2 billion deployments, making it one of the most deployed RTOS in the world per VDC Research . This widespread popularity is driven by demand for technology to support resource constrained environments, especially those that require safety and security.
DataSense	02-04-2019	The integration of DataSense into Microsoft's suite of products, we will help educational institutions – and school and district IT leaders in particular – better collect, manage and explicitly control access to their data within Azure to help drive the best possible learning outcomes for their students. Read more at https://educationblog.microsoft.com/en-us/2019/02/introducing-datasense-to-microsoft-educations-family-of-products/#E6CKQEBUjS35TOH4.99
Citus Data	01-24-2019	a leader in the PostgreSQL community. Citus is an innovative open source extension to PostgreSQL that transforms PostgreSQL into a distributed database, dramatically increasing performance and scale for application developers . Because Citus is an extension to open source PostgreSQL, it gives enterprises the performance advantages of a horizontally scalable database while staying current with all the latest innovations in PostgreSQL . Citus is available as a fully-managed database as a service, as enterprise software, and as a free open source download.
FSLogix	11-19-2018	FSLogix is a next-generation app-provisioning platform that reduces the resources, time and labor required to support virtualization . From small businesses to very large global enterprises across numerous industries, FSLogix solutions enhance customer experience and productivity, while reducing support requirements for IT departments.
XOXCO	11-14-2018	A software product design and development studio known for its conversational AI and bot development capabilities . The company has been paving the way in conversational AI since 2013 and was responsible for the creation of Howdy , the first commercially available bot for Slack that helps schedule meetings, and Botkit, which provides the development tools used by hundreds of thousands of developers on GitHub . Over the years, we have partnered with XOXCO and have been inspired by this work.
Obsidian	11-10-2018	The studio quickly made a name for itself with the Xbox exclusive Star Wars: Knights of the Old Republic II: The Sith Lords . Over the last fifteen years, they have delivered genre-defining RPGs to players on both console and PC through titles including <i>Fallout: New Vegas</i> , <i>South Park: The Stick of Truth</i> , and <i>Pillars of Eternity</i> . Read more at https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99
InXile	11-10-2018	Like Obsidian, InXile excels at creating vast worlds for players to explore with titles such as Wasteland 2, Torment: Tides of Numenera, Bard's Tale IV and the upcoming Wasteland 3 . Read more at https://news.xbox.com/en-us/2018/11/10/obsidian-inxile-join-microsoft-studios/#P4ARqRq505qOpmfU.99
Lobe	09-13-2018	Lobe makes deep learning simple, understandable and accessible to everyone. Lobe's simple visual interface empowers anyone to develop and apply deep learning and AI models quickly, without writing code .



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Thank YOU!