# MICROSOFT QUARTERLY HIGHLIGHTS, PRODUCT RELEASES, AND ENHANCEMENTS

# FY23 Q2

Every quarter Microsoft delivers hundreds of products, either as new releases or services or as enhancements to current products and services. These releases are a result of significant research and development investments, made over multiple years, designed to help customers be more productive and secure and to deliver differentiated value across the cloud and the edge.

Following are the major product releases and other highlights for the quarter, organized by product categories, to help illustrate how we are accelerating innovation across our businesses while expanding our market opportunities.

Microsoft 365 Consumer/Commercial

[Microsoft Viva Engage introduced storyline](https://techcommunity.microsoft.com/t5/microsoft-viva-blog/storyline-in-viva-engage-and-microsoft-365-is-now-generally/ba-p/3650155), where users can share updates and experiences, celebrate milestones, and showcase work. Learn more about co-workers from their storylines, and follow interesting people across the organization from the Storylines feed in Viva Engage and Yammer.

The [Microsoft 365 app](https://www.microsoft.com/en-us/microsoft-365/microsoft-365-faqs) is the home for tools and content across all of Microsoft 365. Launching first on the web at microsoft365.com, it replaces the Microsoft Office app experience found at office.com.

[[Microsoft Viva Sales](https://insider.office.com/en-us/blog/collaborate-using-loop-components-in-outlook)](https://www.microsoft.com/en-us/microsoft-viva/sales) [is a new seller experience application that enriches any CRM system with customer engagement data from Microsoft 365 and Microsoft Teams. It also leverages AI to provide personalized recommendations and insights for sellers to be more connected with their customers.](https://insider.office.com/en-us/blog/collaborate-using-loop-components-in-outlook)

[Microsoft Loop components](https://insider.office.com/en-us/blog/collaborate-using-loop-components-in-outlook) are in Outlook for the web. Loop components let users edit content with others and see changes instantly. These portable pieces of content are editable and stay in sync across all the places they are shared.

[Microsoft Clipchamp](https://www.microsoft.com/en-us/microsoft-365/blog/2022/10/12/new-tools-from-microsoft-365-edge-and-bing-bridge-the-gap-between-productivity-and-creativity/) joins Microsoft 365 subscriptions and is the inbox video-editing app in Windows 11. It weaves together video, sound, and effects quickly and easily to make professional-grade videos.

[Microsoft Create](https://www.microsoft.com/en-us/microsoft-365/blog/2022/10/12/new-tools-from-microsoft-365-edge-and-bing-bridge-the-gap-between-productivity-and-creativity/) is a website bringing together Microsoft 365 apps and new creative apps in one place to help any type of creator get started with creating videos, graphic designs, documents, presentations and more. The [website](https://create.microsoft.com/en-us) is live today and available for anyone to use.

Microsoft Teams

[Add new participants to Microsoft Teams chat with @mention](https://m365admin.handsontek.net/microsoft-teams-add-people-to-a-group-chat-with-mention/), removing the need to navigate to the add-dialog. When adding new participants, users can control how much of the chat history to share.

[Manage the Whiteboard in Microsoft Teams.](https://learn.microsoft.com/en-us/microsoftteams/manage-whiteboard) Whiteboard sessions can be started from a Microsoft Teams Rooms on Android display’s home screen at any time. Users can easily switch from an in-room experience to online collaboration by tapping “Start meeting” and adding remote participants.

Presenters can now use an [Instant Poll](mailto:https://insider.office.com/en-us/blog/create-an-instant-poll-to-collect-feedback-during-a-teams-meeting) for a quick check-in during Teams meetings. Create these polls without preparing in advance — users can just say the question out loud.

[Pop-out shared meeting content in a separate window](https://techcommunity.microsoft.com/t5/microsoft-teams-community-blog/content-pop-out-meetings-with-separate-displays-in-microsoft/ba-p/3687581) allows users to see both shared content and meeting participants with ease.

For developers, all the familiar functionality of [meeting apps is now supported in Microsoft Teams VoIP calls](mailto:https://devblogs.microsoft.com/microsoft365dev/introducing-apps-in-microsoft-teams-voice-over-ip-voip-calls/): tabs, bots, in-meeting dialogue, and meeting stage. Meetings-optimized apps added in a one-one chat or group chat follow the users when they elevate the chat to an audio or video call.

[Microsoft Teams released features](https://techcommunity.microsoft.com/t5/microsoft-teams-blog/what-s-new-in-microsoft-teams-october-2022/ba-p/3666435) to our government customers, including text prediction in Teams on mobile devices, music on hold for VoIP calls, casting from a Teams desktop client to Microsoft Teams Rooms, and viewing meeting transcripts on mobile devices.

Windows

[Windows 11 2022 update](https://blogs.windows.com/windowsexperience/2022/10/18/making-the-everyday-easier-with-new-experiences-available-in-windows-11/) released features and experiences in October including tabbed File Explorer, suggested actions, Taskbar overflow and easy access to Task Manager.

[Windows Update for Business reports](https://techcommunity.microsoft.com/t5/windows-it-pro-blog/now-generally-available-windows-update-for-business-reports/ba-p/3677018) was released in November as an evolution of our Update Compliance solution. Windows Update for Business reports provides rich deployment data to help you understand which quality and features updates have been deployed to your devices.

Dynamics 365

[Microsoft Teams calls with conversation intelligence dialer](https://learn.microsoft.com/en-us/dynamics365/sales/digital-selling-microsoft-teams-calls) helps sellers be more productive by enabling them to call customers directly from within the Dynamics 365 Sales Hub app, and helps managers manage and coach their sales teams by providing them with insights gathering using analytics and data science to gather and analyze data from sellers’ call recordings and Dynamics 365 Sales.

[Dynamics 365 Customer Service](https://dynamics.microsoft.com/en-us/customer-service/overview/) provides the ability to easily collaborate with anyone within their organization, such as customer service peers, agents from other departments, supervisors or support experts, over Microsoft Teams to resolve customer issues. AI improvements in Teams collaboration [allow agents to view AI-suggested contacts](https://learn.microsoft.com/en-us/dynamics365/customer-service/use-ai-suggested-contacts-teams) who have resolved similar cases to help more quickly resolve customer issues. In addition to being able to link Teams chats directly to Customer Service records, agents can now share an [AI-generated summary in Teams](https://learn.microsoft.com/en-us/dynamics365/customer-service/cs-ai-generated-summary) of their customer conversation that quickly conveys context and steps already taken to solve the issue — further enabling a contextual experience with collaborators to resolve customer issues quickly and effectively.

Dynamics 365 Sales Enterprise and Premium customers can use [Microsoft Viva Sales](https://www.microsoft.com/en-us/microsoft-viva/sales) to enrich Dynamics 365 Sales with customer engagement data from Microsoft 365 and Microsoft Teams, and leverage AI to provide personalized recommendations and insights for sellers to be more connected with their customers.

[Dynamics 365 Guides calling](https://learn.microsoft.com/en-us/dynamics365/mixed-reality/guides/calling-start-call) provides the ability for a Guides user to get real-time assistance with a task, via one-to-one calls, group calls, or meetings.

[Business Central](https://learn.microsoft.com/en-us/dynamics365/business-central/admin-access-with-m365-license) now allows for collaboration in the flow of work by enabling Microsoft 365 users access to Dynamics 365 Business Central data without the need for a Dynamics 365 license.

Microsoft Power Platform

Microsoft [Power Pages](https://powerpages.microsoft.com/en-us/blog/microsoft-power-pages-is-now-generally-available/) is a secure enterprise-grade, low-code software as a service (SaaS) platform for creating, hosting, and administering modern external business websites. Power Pages enables users to rapidly design, configure, and publish their websites with the new Design Studio, Pre-Built Templates and Learn Hub.

[Managed Environments](https://powerapps.microsoft.com/en-us/blog/announcing-the-general-availability-of-managed-environments/) is a suite of capabilities for the Power Platform that enables IT administrators to more easily govern low-code development and ensure apps are secure and scalable. With a few clicks, administrators can light up features to manage the Power Platform at scale with more control, more visibility, and less effort.

Microsoft Industry Cloud

In the Cloud for Healthcare:

* [Provider data models](https://learn.microsoft.com/en-us/industry/healthcare/data-management) are enhanced with updated resources to manage processes such as clinical communication, appointments, care teams, and medication.
* As part of our solutions to [Improve Clinical and Operational insights](https://learn.microsoft.com/en-us/industry/healthcare/improve-clinical-operational-insights), a form recognizer for insurance and vaccination cards provides a much better patient onboarding experience by automating data extraction from various U.S. health insurance card formats. This feature also makes claims processing by payors and insurance providers less onerous by automating claims processing.

In the [Cloud for Sustainability](https://learn.microsoft.com/en-us/industry/sustainability/overview):

* [Microsoft Sustainability Manager](https://learn.microsoft.com/en-us/industry/sustainability/sustainability-manager-overview) is expanded to the U.K. and APAC regions. The expansion will enable customers in these geographies to comply with regional regulatory requirements.

LinkedIn

[LinkedIn Recruiter](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Ftalent-solutions%2Fproduct-update&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=F1kMoH7hqzWq8Kceyx%2BVMfG%2Fmd%2BFDzYU3TG%2B5YBHrIk%3D&reserved=0) updates help source qualified candidates efficiently and includes [Resume Search](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fhelp%2Frecruiter%2Fanswer%2Fa770588%3Ftrk%3Dhc-articlePage-sidebar&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=HQdwLpKq%2FGgJ85ps8MyQdaEZWekG1%2F%2FzBsGoKuvvwbo%3D&reserved=0), which automatically pulls relevant skills from a candidate’s resume and displays it in the Skills match section on the candidate’s profile card. Recruiters can see important candidate information in one place to help maximize their talent pool.

[We introduced tools](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fnavigating-your-job-search-new-features-keep-you-safe-monica-lewis%2F%3FcustomModuleKey%3Dcreator_profile_articles_content_view%253Adesktop%26trackingId%3DqF4kSiGjS3ip%252BzsDBSzl%252Bw%253D%253D&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=Sz%2BDBzr9boZUFIc5MtOfWWKYocVzA137FC6J%2B9ZmyeA%3D&reserved=0) help keep members safe in their job search on LinkedIn.

[Audience analytics](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fnew-analytics-understand-your-audience-grow-linkedin-keren-baruch%2F&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=k2OENiuXoK8GJp3OYY8%2FBh53JKHlY57dh%2FkTKWFtw3w%3D&reserved=0) helps creators understand and grow their audience on LinkedIn.

In support of National Disability Employment Awareness Month, we [introduced](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fdriving-more-equitable-workforce-enhanced-tools-resources-berger%2F%3FtrackingId%3DqsXyT9wjQ17SG0rVdcdWfw%253D%253D&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=H8MeyzTFxxwEZUzTLdx5wwfUpAvvPS3SpJ8Xj9GyV4w%3D&reserved=0) a number of product updates and learning resources to help build a more inclusive experience.

[Focused Inbox](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Ffeed%2Fupdate%2Furn%3Ali%3Aactivity%3A7004066576308068352%2F&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=7S4DxrEmIQx%2F3m7K%2FLVofwVaKS%2Bb9FSW4939tCCbrdQ%3D&reserved=0) is an improved messaging experience to help members be more productive and successful.

[New features](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fbusiness%2Ftalent%2Fblog%2Ftalent-connect%2Ftalent-connect-product-updates&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=l%2FN4Xa%2F7ZW094ro52XFt9sou%2BleitrPWqCV%2BUir%2FLlw%3D&reserved=0) help organizations with internal mobility and career development.

Privacy-enhancing products and features help advertisers effectively engage their audiences as privacy regulations continue to evolve:

* [Group Identity](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fhelping-you-reach-b2b-buying-groups-abhishek-shrivastava%2F%3FtrackingId%3Dv%252FaFCKV%252BSfSnucTBg2e43Q%253D%253D&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=vYgh7UFTAPTkHspnquifn7mNLBM%2BZCHGE4dYwm8vcMk%3D&reserved=0) leverages LinkedIn’s first-party data by grouping members based on shared professional traits, while minimizing or eliminating the use of third-party personal information on our servers in certain contexts.
* [Brand Safety Hub](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fhelping-you-protect-your-brand-reputation-linkedin-audience--1c%2F&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=la8dyulWISY44kp04CD4iiKcVlIQKWyAfB25bBIn6Zw%3D&reserved=0) allows marketers to download a list of LinkedIn Audience Network publishers, customize allow and block lists, and leverage third-party brand safety integrations via DoubleVerify.

[Product pages](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fbusiness%2Fmarketing%2Fblog%2Flinkedin-pages%2Fnew-features&data=05%7C01%7Cstecarter%40microsoft.com%7C1b4b0fcb8d0f451e678708daf8b497dd%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638095751787567017%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=I7k3lQwmsSISwj6odMSv%2Ft2cUf3%2BVpf4RAXyLpVTd3Y%3D&reserved=0) updates include making product pages discoverable via in-platform search and enhancements to the Competitor Analytics dashboard.

Microsoft Security

[Microsoft Defender Threat Intelligence](https://go.microsoft.com/fwlink/?linkid=2202366) helps track threat actor activity and patterns. Security operations teams can uncover attacker infrastructure and accelerate investigation and remediation with more context, insights, and analysis than before.

[Microsoft Defender External Attack Surface Management](https://go.microsoft.com/fwlink/?linkid=2202448) gives security teams the ability to discover unknown and unmanaged resources that are visible and accessible from the internet—essentially the same as an attacker’s view when selecting a target.

[Microsoft Defender Experts for Hunting](https://www.microsoft.com/security/business/services/microsoft-defender-experts-hunting) is a proactive threat-hunting service that hunts across endpoints, Microsoft Office 365, cloud applications, and identity. Defender Experts for Hunting was created for customers with a robust security operations center but wanting Microsoft to help them proactively hunt threats using Microsoft Defender data.

[Microsoft Entra Workload Identities](https://www.microsoft.com/security/business/identity-access/microsoft-entra-workload-identities) helps secure workloads by extending advanced capabilities such as Conditional Access and Identity Protection to nonhuman identities.

[Microsoft Purview Information Protection for Adobe Document Cloud](http://aka.ms/igniteinfoprotection) combines the power of native classification and labeling with the power of Adobe Acrobat to secure PDFs.

[Certificate-based authentication (CBA)](https://learn.microsoft.com/en-us/azure/active-directory/authentication/concept-certificate-based-authentication)is available in Microsoft Entra, which removes the last major blocker for customers looking to modernize identity and move authentication to the cloud. It also helps U.S. federal agencies meet multifactor authentication requirements of the [Executive order on Cybersecurity](https://www.whitehouse.gov/briefing-room/presidential-actions/2021/05/12/executive-order-on-improving-the-nations-cybersecurity/) along with the [FIPS 140 compliance for Microsoft Authenticator](https://techcommunity.microsoft.com/t5/microsoft-entra-azure-ad-blog/microsoft-brings-fips-140-compliance-to-authenticator-supporting/ba-p/2365671).

[Microsoft Defender for IoT](https://www.microsoft.com/security/business/endpoint-security/microsoft-defender-iot) adds agentless monitoring to secure enterprise IoT devices connected to IT networks, like Voice over Internet Protocol (VoIP), printers and smart TVs.

[Microsoft Purview eDiscovery APIs](https://www.microsoft.com/security/business/risk-management/microsoft-purview-ediscovery) allows organizations to leverage automation and streamline common, repetitive workflows that require a lot of manual effort in the product experience.

Azure

Following is a select list of generally available Azure products, services and enhancements for the quarter. A full list can be found at <https://azure.microsoft.com/en-us/updates/>.

Azure Hybrid Infrastructure

[Azure Stack HCI](https://techcommunity.microsoft.com/t5/azure-stack-blog/what-s-new-for-azure-stack-hci-at-microsoft-ignite-2022/ba-p/3650949) is the Microsoft Azure Arc-enabled infrastructure. Customers with an Azure Stack HCI subscription can download the latest feature release for their infrastructure. The benefits of this new feature release are multifaceted and deliver better security, versatility, and performance for customers’ Arc-enabled infrastructure.

Azure Infrastructure

Nutanix customers can migrate and extend their workloads to Azure, without modification or retooling. With [Nutanix Cloud Clusters on Azure](https://azuremarketplace.microsoft.com/en-us/marketplace/apps/nutanixinc.nutanix_cloud_clusters?tab=Overview), customers can leverage their existing Nutanix skills and tools, add Azure services such as security, identity, and analytics, and gain cost efficiencies by using their existing licenses for Azure deployment.

The next generation of [Premium SSD Disk Storage](https://azure.microsoft.com/en-us/updates/general-availability-azure-premium-ssd-v2-disk-storage/) will improve the overall customer experience with reduced costs, lower latency, and increased flexibility.

[Azure NetApp Files Datastores](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Flearn.microsoft.com%2Fazure%2Fazure-vmware%2Fattach-azure-netapp-files-to-azure-vmware-solution-hosts%3Ftabs%3Dazure-portal&data=05%7C01%7Cstecarter%40microsoft.com%7C157e30bcdebf40fac4f608dafd73b42e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638100970636702674%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=yDmZ1o0QTbjILFAMbx8cczVr83XuQYB12TgyIqY%2Fj6E%3D&reserved=0) runs storage intensive workloads on Azure VMware Solution. This integration between Azure VMware Solution and Azure NetApp Files enables users to create datastores via the Azure VMware Solution resource provider with Azure NetApp Files NFS volumes and attach the datastores to private cloud clusters.

[Customer-managed keys](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Faka.ms%2FAVS-ManagedKeys&data=05%7C01%7Cstecarter%40microsoft.com%7C157e30bcdebf40fac4f608dafd73b42e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638100970636702674%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=UjEz8jX8V8qIlXkx3FsFGGflwNhp6U%2FoFyyovXKZS3w%3D&reserved=0)for Azure VMware Solution supports higher security for customers’ mission-critical workloads and provides users with control over their encrypted vSAN data on Azure VMware Solution. With this feature, Azure Key Vault can generate customer-managed keys as well as centralize and streamline the key management process.

Azure Security and Management

New [Azure confidential computing](https://techcommunity.microsoft.com/t5/azure-confidential-computing/new-milestones-at-ignite-2022-for-azure-confidential-computing/ba-p/3648777) services help protect data in and add confidential computing capabilities to services like Azure Virtual Desktop on Azure Virtual Machines.

[Confidential VM option for SQL Server on Azure Virtual Machines](https://techcommunity.microsoft.com/t5/azure-sql-blog/migrate-your-sensitive-data-to-sql-server-on-azure-confidential/ba-p/3643591) allows users to run SQL Server workloads on the latest AMD-based confidential virtual machines. The new VMs use the latest AMD SEV-SNP technology that encrypts the memory of the VM using keys generated and safeguarded by a dedicated secure processor inside the AMD CPU. This provides an additional layer of protection for data in use — the data loaded to the memory of SQL Server for query processing.

Azure Data

[SQL Server 2022](https://cloudblogs.microsoft.com/sqlserver/2022/11/16/sql-server-2022-is-now-generally-available/) is the most Azure-enabled release of SQL Server yet, with continued innovation across performance, security, and availability. SQL Server 2022 is a core element of the Microsoft Intelligent Data Platform. SQL Server 2022’s connections to Azure, including Azure Synapse Link and Microsoft Purview, make it easier for customers to drive deeper insights, predictions, and governance from their data at scale.

[Azure Cosmos DB for PostgreSQL](https://devblogs.microsoft.com/cosmosdb/postgresql-support-announced-at-ignite-2022/)offers support for native, open-source PostgreSQL. It gives developers the scalability, flexibility, and performance of Azure Cosmos DB, while taking advantage of PostgreSQL’s ACID compliance, rich SQL querying capabilities, and wide range of community extensions. It also makes it faster and easier to develop cloud-native applications such as multitenant SaaS solutions using a single service that integrates seamlessly with other Azure-managed services for apps, AI, and security.

[Azure Cosmos DB for MongoDB Role-Based Access Controls (RBAC)](https://devblogs.microsoft.com/cosmosdb/postgresql-support-announced-at-ignite-2022/) brings enterprise-grade security and auditability to apps and databases of any size or scale. Plus, we’ve increased the maximum document size to 16 MB, which makes it easier to migrate and modernize existing MongoDB databases containing larger documents and get the scalability, HA, and elasticity benefits of Azure Cosmos DB.

[PostgreSQL 15](https://devblogs.microsoft.com/cosmosdb/postgres-15-available-in-azure-cosmos-db-for-postgresql/) is available in the portal for the Azure Cosmos DB for PostgreSQL-managed service in all Azure regions for users needing to provision new clusters in Azure Cosmos DB for Postgres or upgrade existing database clusters. Users can also upgrade existing cluster to Postgres 15 from any of the other supported major Postgres versions, using the in-place major version upgrade feature.

Enterprise and Enterprise Flash tiers of Azure Cache for Redis support [functionality to store, query, and search JSON formatted data](https://azure.microsoft.com/en-us/updates/general-availability-json-support-in-azure-cache-for-redis-enterprise-tiers/), allowing users to store data more easily in a document-style format in Redis. This feature simplifies common Redis use cases like storing product catalog or user profile data. JSON capabilities include storing JSON documents associated with a Redis key, replacing or extracting a subpart of a JSON document, adding an item to a collection or map, and JSONPath support—all using a single atomic operation.

[Azure Synapse Link for SQL](https://azure.microsoft.com/en-us/updates/generally-available-azure-synapse-link-for-sql/)automates the extraction and movement of data from relational operational data stores in both Azure SQL Database and SQL Server 2022 to Azure Synapse Analytics-dedicated SQL pools. Data is replicated in near real time without the need to develop and deploy ETL or ELT pipelines. Once in Azure Synapse Analytics, the data can be used in advanced analytics and other downstream processing systems much faster than traditional batch-based ETL or ELT scenarios.

Users can now use the Azure SQL [Managed Instance link for SQL Server 2022](https://azure.microsoft.com/en-us/updates/generally-available-azure-sql-managed-instance-link-for-sql-server-2022/) to establish hybrid connectivity and modernize on-premises SQL Server workloads in Azure, without the need to migrate. Use the link to offload or scale-out R/O workloads and analytics, and to perform minimum downtime migrations when and if required.

The [Azure SQL Managed Instance feature wave](https://azure.microsoft.com/en-us/updates/general-availability-azure-sql-managed-instance-feature-wave-updates-for-november-2022/) introduces a bundle of anticipated releases that work together to make SQL Managed Instance even more performant, reliable, and secure, while enabling even deeper integration with on-premises SQL Server and the broader Azure service platform.

Restoring a backup file is the easiest way to copy a SQL Server database to another instance. [You can now restore a copy-only full backup of your database](https://azure.microsoft.com/en-us/updates/generally-available-azure-sql-managed-instance-backup-portability-to-sql-server-2022/) hosted on Azure SQL Managed Instance to an instance of SQL Server 2022 hosted anywhere. This feature allows you to easily share the data with your customers and eligible third parties, or to simply refresh your other environments.

Data encryption with [customer-managed keys (CMK)](https://azure.microsoft.com/en-us/updates/general-availability-azure-database-for-mysql-flexible-server-data-encryption-with-cmk-2/) for Azure Database for MySQL – Flexible Server allows users to bring their own key (BYOK) for data protection at rest. Users can use this feature to implement separation of duties for managing keys and data.

We are providing customers with a [consumption-based, cloud billing model](https://cloudblogs.microsoft.com/sqlserver/2022/11/17/manage-govern-and-secure-all-your-sql-servers-with-new-hybrid-capabilities-enabled-by-azure-arc/) that provides flexibility to innovate quickly and save on costs. With pay-as-you-go billing on SQL Server and Azure Arc, customers can benefit from flexibility, improved cost efficiencies, and support for multicloud and hybrid deployments.

[Microsoft Purview](https://cloudblogs.microsoft.com/sqlserver/2022/08/11/microsoft-purview-access-policies-for-sql-server-2022/) enables access to user data and specific system metadata in SQL Server 2022 running on Azure Arc-enabled servers. The new access policies feature provides data owners with the capability to author access policies through the Microsoft Purview data governance service experience and then apply them to SQL Server 2022 data sources individually or at scale.

[Azure Arc-enabled data services support Active Directory (AD)](https://techcommunity.microsoft.com/t5/azure-arc-blog/active-directory-connector-adc-for-arc-enabled-sql-managed/ba-p/3652020) for Identity and Access Management (IAM). The Arc-enabled SQL Managed Instance uses an existing on-premises Active Directory (AD) domain for authentication.

Azure Analytics

[Azure Data Explorer outputs from Azure Stream Analytics](https://azure.microsoft.com/en-us/updates/asa-azuredataexplorer-ga/)for analyzing large volumes of diverse data from any data source, such as websites, applications, IoT devices, and more. Azure Data Explorer is a fast and highly scalable data exploration service for log and telemetry data.

Databricks rolled out a new compute option called [Databricks SQL Pro](https://azure.microsoft.com/en-us/updates/generally-available-azure-databricks-sql-pro/), joining the SQL product family of Classic and Serverless. Like Serverless SQL, SQL Pro includes performance and integration features that expand the SQL experience on the Lakehouse Platform. The primary difference is that SQL Pro keeps compute in the customer’s account.

We have made changes that will [increase Azure Synapse Analytics Spark performance by up to 77%](https://azure.microsoft.com/en-us/updates/increasing-azure-synapse-analytics-spark-performance-by-up-to-77/). These Spark performance improvements come from moving to the latest Azure v5 VMs, which have improved CPU performance, increased temporary SSD throughput, and higher remote storage IOPS.

[Azure Synapse Link for SQL](https://azure.microsoft.com/en-us/updates/generally-available-azure-synapse-link-for-sql/)automates the extraction and movement of data from your relational operational data stores in both Azure SQL Database and SQL Server 2022 to Azure Synapse Analytics-dedicated SQL pools. Your data is replicated in near real time without the need to develop and deploy ETL or ELT pipelines. Once in Azure Synapse Analytics, the data can be used in advanced analytics and other downstream processing systems much faster than traditional batch-based ETL or ELT scenarios.

Azure Serverless and App Dev Services

[Azure savings plan for compute](https://azure.microsoft.com/en-us/updates/general-availability-azure-savings-plan-for-compute/) is a flexible way to save significantly on compute services, compared to pay-as-you-go prices. The savings plan unlocks lower prices on select compute services when customers commit to spend a fixed hourly amount for one or three years.

[Day 0 support for .NET 7.0 on App Service](https://azure.microsoft.com/en-us/updates/generally-available-day-0-support-for-net-70-on-app-service/) means that developers are immediately unblocked to try, test, and deploy .NET apps targeting the version of .NET accelerating time-to-market on the platform they know and use today.

[Azure App Service](https://azure.microsoft.com/en-us/updates/generally-available-new-versions-supported-for-languages-and-frameworks-in-azure-app-service/) is regularly updated to provide new runtime versions to allow web app developers to take advantage of the latest runtime features and security fixes. We have added support for Python 3.10, PHP 8.1, and Node 18, giving a choice of more versions of the latest and fastest-growing web app development languages available.

[Functions now supports .NET 7 in an isolated worker process](https://azure.microsoft.com/en-us/updates/generally-available-functions-now-supports-net-7-in-an-isolated-worker-process/). Users can now build serverless applications with .NET 7 runtime when running in the isolated process mode in Azure Functions v4. Apps built using this capability follow the same patterns as previous .NET versions in an isolated worker model in Functions.

[Durable Functions for Java](https://azure.microsoft.com/en-us/updates/generally-available-durable-functions-support-for-java/) make it easy to orchestrate stateful workflows as-code in a serverless environment. Some common stateful application patterns that Durable Functions facilitates include “function chaining,” “fan out/fan in,” “async http APIs,” “monitor,” and “human interaction.”

[With Static Web Apps, you can now configure Azure Pipelines to deploy your application to preview environments](https://azure.microsoft.com/en-us/updates/generally-available-static-web-apps-support-for-preview-environments-in-azure-devops/). The Azure DevOps task for Azure Static Web Apps intelligently detects and builds an app’s front-end and API and deploys the entire application to Azure. Users can fully automate the testing and delivery of your software in multiple stages all the way to production. Azure Static Web Apps provides globally distributed content hosting and serverless APIs powered by Azure Functions

[Azure Static Web Apps now fully supports .NET 7](https://azure.microsoft.com/en-us/updates/generally-available-azure-static-web-apps-now-fully-supports-net-7/). By using .NET 7 for an entire stack, users can leverage the latest language and runtime improvements in .NET, and can seamlessly share code between their Blazor WebAssembly app, Azure Functions and other .NET applications.

Developer Tools, Services, and GitHub

[GitHub CoPilot for Business](https://github.blog/2022-12-07-github-copilot-is-generally-available-for-businesses/) helps developers write code faster by drawing context from natural language comments and code snippets to suggest individual lines and whole functions. GitHub CoPilot for Business provides organizations with instantly simple and flexible license management, organization-wide policy controls, and industry-leading privacy.

[.NET 7](https://devblogs.microsoft.com/dotnet/announcing-dotnet-7/) is the successor to [.NET 6.](https://learn.microsoft.com/en-us/dotnet/core/whats-new/dotnet-6) .NET 7 brings apps increased performance and new features for C# 11/F# 7, .NET MAUI, ASP.NET Core/Blazor, Web APIs, WinForms, WPF and more. With .NET 7, users can also easily containerize their .NET 7 projects, set up CI/CD workflows in GitHub actions and achieve cloud-native observability.

Azure AI

[Build and deploy AM models using Azure Machine Learning Python SDK v2](https://azure.microsoft.com/en-us/updates/azure-machine-learning-generally-available-updates-for-october-2022ignite/). This feature enables users to utilize Python functions to build single and/or complex pipelines and more from simple to complex concepts.

[Generate AutoML Model Training Code](https://azure.microsoft.com/en-us/updates/azure-machine-learning-generally-available-updates-for-october-2022ignite/) gives full control and customization of the model’s training code, allowing you to build models quicker and comply with all regulations and policies.

[Assess AI systems and make data-driven decisions with the Responsible AI dashboard](https://azure.microsoft.com/en-us/updates/azure-machine-learning-generally-availability-updates-for-november-2022/). Users can now fully customize a variety of different Responsible AI components to generate a Responsible AI dashboard from a no-code UI experience.

[Build computer vision models using AutoML for Images](https://azure.microsoft.com/en-us/updates/azure-machine-learning-generally-availability-updates-for-november-2022/). Users can completely control the building of computer vision models for image classification, object detection, and instance segmentation.

[Build NLP models with AutoNLP capability](https://azure.microsoft.com/en-us/updates/azure-machine-learning-generally-availability-updates-for-november-2022/). Users can build Natural Language Processing models (in 100+ languages) without needing to write and training code.

Azure Quantum

[Azure Quantum’s Resource Estimation tool](https://learn.microsoft.com/en-us/azure/quantum/intro-to-resource-estimation) is a developer tool that provides estimates for the number of logical and physical qubits as well as runtime required to execute quantum applications on post-NISQ, fault-tolerant quantum computers. Understanding the number of qubits required for a quantum solution and the differences between qubit technologies allows innovators to prepare and refine their quantum solutions to run on future-scaled quantum machines and ultimately accelerate their quantum impact.

Surface

[Surface Laptop 5](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fd%2Fsurface-laptop-5%2F8XN49V61S1BN&data=05%7C01%7Csodara%40microsoft.com%7Cea4c452294494f44561408daac6e17b5%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638011886505311265%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=urfs4Z5BsWgIVAuflBdOE54b94rBLm2Skko20uDsfQM%3D&reserved=0) is available in four colors, including new Sage, and comes in two sizes — 13.5” and 15”, and two finishes — metal and Alcantara®. Built on the Intel® Evo™ platform with the latest 12th Gen Intel® Core™ processors, it’s up to 50% more powerful than before with all-day battery life. It has a Thunderbolt™ 4 port to connect to a 4K monitor, charge and deliver fast data transfer; an improved, more responsive PixelSense™ touchscreen with Dolby Vision IQ™; and enhanced camera experiences, powered by new Windows 11 interactive features.

[Surface Pro 9](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fd%2Fsurface-pro-9%2F93VKD8NP4FVK&data=05%7C01%7Csodara%40microsoft.com%7Cea4c452294494f44561408daac6e17b5%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638011886505311265%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=TkJujUWKs5AdF64op8zCbG8hTX9NKP0VJQU3O4OE3zs%3D&reserved=0) is our most powerful Pro ever, now in new colors — Sapphire and Forest — with a choice between the latest 12th Gen Intel® Core™ processor or Microsoft SQ® 3 powered by Qualcomm Snapdragon with 5G Connectivity. Both options offer the same tablet-to-laptop versatility with touch and pen support, a 13” PixelSense™ display, incredible performance and all-day battery life.

[Surface Studio 2+](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fd%2Fsurface-studio-2-plus%2F8VLFQC3597K4&data=05%7C01%7Csodara%40microsoft.com%7Cea4c452294494f44561408daac6e17b5%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638011886505467501%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=5zRPvDzWGO6OaHcn8ruPxv5exxeZy7HE2VI6fe9KdkQ%3D&reserved=0) is an update to our all-in-one device with a 28-inch PixelSense™ touchscreen display that users can pull toward them using the Zero Gravity Hinge to find the perfect angle to create with pen and touch. It has the best graphics ever on a Surface with NVIDIA® GeForce RTX™ 3060 discrete graphics, a wider spectrum of 1 billion colors and Dolby® Vision, an updated Intel® Core™ H Series processor, and 3 Thunderbolt™ 4 ports for connecting to external monitors, transferring large creative files and pairing with accessories.

[Microsoft Adaptive Accessories](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblogs.microsoft.com%2Faccessibility%2Fincreasing-our-focus-on-inclusive-technology%2F&data=05%7C01%7Clraph%40microsoft.com%7Ca16d42a2d11f4d5bd04508daf59fcab4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638092363907307581%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=7jJhs4uX7lL0VOEqDEtUthkneZsajZew%2BScmNJ2KE0k%3D&reserved=0) ecosystem of products was designed in partnership with the disability community to empower people who may have difficulty using a traditional mouse and keyboard. Customers can also customize the adaptive accessories with 3D-printed designs through Shapeways.

[Pen Grips for Microsoft Classroom Pen 2 and Business Pen](https://www.microsoft.com/en-us/d/microsoft-business-pen-pack-of-10/92476243mkgd?activetab=pivot:overviewtab) fit unique needs and remove barriers for people with limited mobility. Business and education customers can build 3D- printed adaptive pen grips for Microsoft Business Pen and Microsoft Classroom Pen 2.

[Microsoft Presenter+](https://www.microsoft.com/en-us/d/microsoft-presenter/8w5mkmpdxm3v?activetab=pivot:overviewtab) is a Teams-enabled remote and a powerful presentation tool, empowering users to confidently deliver engaging presentations and participate in meetings effortlessly with the ability to advance slides, mute/unmute, direct audience attention with the screen pointer, and quickly join a meeting whether in the room or over Microsoft Teams or other popular meeting apps.

[Microsoft Audio Dock](https://www.microsoft.com/en-us/d/microsoft-audio-dock/93jv2nk0s4dg?activetab=pivot:overviewtab) helps reduce desktop clutter while upgrading customers’ audio for meetings, music, and more, offering four different ports (HDMI, USB-C x2 and USB-A) and a pass-through PC charger. Built-in Omnisonic speakers deliver premium sound, and it has dual forward-facing, noise-reducing microphones and integrated mute control.

Gaming

[Minecraft](https://www.xbox.com/en-us/games/store/minecraft/9nblggh537bl) released several Marketplace DLCs, including the Batman DLC and Soccer Celebration DLC.

[Minecraft Dungeons](https://www.xbox.com/en-US/games/minecraft-dungeons) released Season 3, also known as Fauna Faire, which is available for free to all players across all available platforms. The update includes new missions, tower co-op and enhancements, quality of life improvements and Adventure Pass.

[“Age of Empires”](https://www.xbox.com/en-US/games/age-of-empires) celebrated the franchise’s 25th Anniversary, with the release of “Age of Empires IV: Anniversary Edition.” The Anniversary Edition builds on the “Age of Empires IV” base game with new, free to play civilizations, updated features and quests.

[Minecraft](https://www.xbox.com/en-us/games/store/minecraft/9nblggh537bl) partnered with Burberry on a limited-edition capsule collection starting at $250, DLC adventure map, “Burberry: Freedom to Go Beyond” with in-game skins and character creator items. In addition, Burberry transformed seven flagship stores into immersive spaces featuring the DLC-inspired window displays, digital screens and flooring.

Microsoft’s longest-running product line, “[Microsoft Flight Simulator](https://www.xbox.com/en-US/games/microsoft-flight-simulator),” celebrated its 40-year anniversary with the release of “Microsoft Flight Simulator 40th Anniversary Edition.” The update added a number of historic planes, airports and gameplay elements from previous “Microsoft Flight Simulator” releases.

“[Pentiment](https://www.xbox.com/en-US/games/pentiment),” a narrative adventure game from Obsidian Entertainment based in 16th century upper Bavaria, launched on day one with Xbox Game Pass and PC Game Pass.

[Xbox Game Pass Ultimate](https://www.xbox.com/en-US/xbox-game-pass) offered Perks to new members including Apple TV+ and Apple Music and Calm Premium.

Microsoft Search, Advertising, and News

Microsoft is the exclusive technology and sales partner to help power Netflix’s [Basic with Ads](https://about.netflix.com/en/news/announcing-basic-with-ads-us) plan.

A [strategic alliance with Globo](https://about.ads.microsoft.com/en-us/blog/post/december-2022/xandr-develops-global-solutions-to-address-local-needs), the largest Brazilian TV broadcaster, launched a new media buying platform for the market. Advertisers and agencies in the region will benefit from the combination of Xandr’s Invest DSP with exclusive access to Globo data.

[Video Ads on the Microsoft Audience Network](https://about.ads.microsoft.com/en-us/blog/post/december-2022/video-ads-and-other-product-updates-for-december) complement existing search and image ad strategy, allowing customers to drive deeper connections with a highly relevant audience.

[Credit card ads and Customer Match](https://about.ads.microsoft.com/en-us/blog/post/november-2022/credit-card-ads-and-other-product-updates-for-november) enables marketers to use email addresses that customers have shared to re-engage with them across the Microsoft Search and Audience Network.

[Google Import solution for Performance Max](https://about.ads.microsoft.com/en-us/blog/post/october-2022/performance-max-import-and-other-product-updates-for-october) makes it easy to import Performance Max campaigns as Smart Shopping Campaigns and Local Inventory Ads into Microsoft.



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