MICROSOFT QUARTERLY HIGHLIGHTS, PRODUCT RELEASES, AND ENHANCEMENTS

FY23 Q1

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

[Bookings with me](https://support.microsoft.com/en-gb/office/bookings-with-me-setup-and-sharing-ad2e28c4-4abd-45c7-9439-27a789d254a2) in Outlook facilitates scheduling meetings by allowing a person to set their preferences for a meeting and then publish an online calendar where other people can book a time slot with them.

[Outlook is now part of the Microsoft Edge sidebar](https://techcommunity.microsoft.com/t5/outlook-blog/multitask-with-outlook-in-the-new-microsoft-edge-sidebar/ba-p/3624416), giving people a way to read their emails from any website they are already accessing.

[Outlook Lite for Android](https://techcommunity.microsoft.com/t5/outlook-blog/microsoft-outlook-introduces-lite-version-of-android-app/ba-p/3582948) has the core experience of Outlook including access to emails, calendar, contacts, and more in a smaller-sized app using a low amount of battery life and storage.

[Microsoft Viva Goals](https://techcommunity.microsoft.com/t5/microsoft-viva-blog/viva-goals-is-now-generally-available/ba-p/3581813) is a goal setting and OKR management solution that aligns teams to their organization’s strategic priorities and purpose.

[Microsoft Viva Engage](https://techcommunity.microsoft.com/t5/microsoft-viva-blog/microsoft-viva-engage-is-now-generally-available/ba-p/3595300) is the evolution of the Yammer Communities app in Microsoft Teams that allows employees to interact in communities, strengthen work relationships and build their networks/following through conversations, images and videos.

Microsoft Teams

[Microsoft Teams Connect shared channels](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2Fmicrosoft-teams-blog%2Fmicrosoft-teams-connect-shared-channels-is-moving-into-generally%2Fba-p%2F3568000&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807551874%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=TMk2zYppmZxZZsOHTEsfklNy6dNifKkFl6bhLzMtBGI%3D&reserved=0) allows multiple organizations to work together in a shared space, have conversations, schedule a meeting, share, and co-author files, and collaborate on apps.

[Collaborative annotations in Microsoft Teams meetings](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsupport.microsoft.com%2Fen-us%2Foffice%2Fuse-annotation-while-sharing-your-screen-in-teams-876ba527-7112-437e-b410-5aec7363c473&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807551874%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=SmX%2FjMwVZuxp1yq6oO3%2Fo04b8M51Xsk4kJMy6VUxAnU%3D&reserved=0), powered by Microsoft Whiteboard, lets participants in a meeting annotate whatever is on a shared screen.

[Cameo](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsupport.microsoft.com%2Fen-us%2Foffice%2Fpresenting-with-cameo-83abdb2e-948a-47d0-932d-86815ae1317a&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807551874%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=h0UY8dbOO1DJyM9tYzdcLPkj0OSLSqeDeyaTpF77CbA%3D&reserved=0) in PowerPoint Live in Microsoft Teams integrates a user’s camera feed into their presentation, letting them customize how and where they want to appear and offering layout recommendations for optimal viewing.

[The Polls app](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2Fmicrosoft-forms-blog%2Fnewly-launched-app-with-intuitive-and-easy-to-access-polling%2Fba-p%2F3610091&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807551874%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=gs5f%2BWa0SjvLdQJn%2Ftvqbt%2Bffdx0pw7oTR2Cm1RAm2w%3D&reserved=0) makes it easier to find and add polls to chats and meetings. A new poll question type, Rating, allows you to provide feedback by rating on the scaled symbols.

[LinkedIn profiles, integrated with Microsoft Teams](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsupport.microsoft.com%2Fen-us%2Foffice%2Fuse-linkedin-in-teams-119fc53f-3eeb-4e94-a70f-fb68ff9c380c&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807551874%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=K7uXRfTbOgEeiYLrVEd%2FrOgXHrj%2BpR%2BiI4rKzlx1zBQ%3D&reserved=0), help colleagues connect directly and build deeper relationships.

The [front row experience in Microsoft Teams Rooms on Windows](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2Fmicrosoft-teams-blog%2Fwhat-s-new-in-microsoft-teams-august-and-september-2022%2Fba-p%2F3641307%23devices&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807551874%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=1pOUiAj4LJi53PtPaMQePlKhqeWLsyYosiAyByhZEII%3D&reserved=0) maximizes the content space on the front-of-room screen(s).

Microsoft Teams admins can [clean up individual policy assignments from users in bulk](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Flearn.microsoft.com%2Fen-us%2Fmicrosoftteams%2Fassign-policies-users-and-groups&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807708087%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=BQGhyYzrjB%2FNXcbnD5KOwg6SE8t6Hv9Y2w0W9e3e5G4%3D&reserved=0), so that users can inherit the correct policy, either via a group policy assignment or global organization-wide default.

[Microsoft Teams integrates with more Learning Management Systems](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsupport.microsoft.com%2Fen-us%2Ftopic%2Fuse-microsoft-teams-classes-in-your-lms-ac6a1e34-32f7-45e6-b83e-094185a1e78a&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807708087%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=vkCjZqq0JvhPznlEXhKbT8fpwAaLUdLvDVHigC9RJtc%3D&reserved=0), such as Moodle, Schoology, and Brightspace (D2L), to deliver integrated learning experiences.

Users can now use [background blur and background images can be applied on Microsoft Teams for virtual desktop infrastructure (VDI)](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2Fazure-virtual-desktop-blog%2Fmicrosoft-teams-background-effects-is-now-generally-available-on%2Fba-p%2F3401961&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807708087%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=FOSEk9SU%2Fnq45wLmUsNCqeT%2BhlI4jAK%2F8pU6mvIEfBc%3D&reserved=0) for Citrix and VMware. With VDI for VMware, users can use Human Interface Devices (HID) without the need for additional set up. For our government customers in GCC and GCC-High, [Together Mode](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2Fmicrosoft-teams-blog%2Fhow-to-get-the-most-from-together-mode%2Fba-p%2F1509496&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807708087%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=5GZbGWtg15L2SRHOUZ07ibItgpPvREtMc0Yi%2FsSrLMk%3D&reserved=0) and [Large gallery view](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsupport.microsoft.com%2Fen-us%2Foffice%2Fcustomize-your-meeting-view-95aaeaf8-0f22-46cf-a6f9-34ca9b04a1b2&data=05%7C01%7Cmichelle%40oliveandgoose.com%7C8310d0c2c9344ebb6d4608daa88515c5%7C777c4aaf50604252b56fef164c86f4e7%7C1%7C0%7C638007586807708087%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=bx0KZcqd%2FIQqHTXejTn3FCQ0gQnG%2FLrmG8mqW%2Bi6Mh0%3D&reserved=0) are available on VDI.

Microsoft Teams admins can [deploy a large workforce of frontline workers](https://learn.microsoft.com/en-us/microsoft-365/frontline/deploy-teams-at-scale?view=o365-worldwide) in significantly less time. Deploy up to 500 teams and add 25 users per team using one Microsoft Teams PowerShell command and 2 CSV files.

Windows

[Windows Autopatch](https://techcommunity.microsoft.com/t5/windows-it-pro-blog/windows-autopatch-has-arrived/ba-p/3570119) is an automated managed service included in Windows Enterprise E3 and higher, built to reduce endpoint vulnerability by maintaining healthy, secure, and compliant endpoints with automated updates and patches on schedule for Windows, Microsoft 365, Microsoft Teams, and Microsoft Edge.

[Windows 11 2022 update](https://blogs.windows.com/windowsexperience/2022/09/20/available-today-the-windows-11-2022-update/) includes important features designed to help keep [organizations safe](https://www.microsoft.com/en-us/microsoft-365/blog/2022/09/20/work-safer-and-smarter-with-the-windows-11-2022-update/) in an ever-changing threat landscape without compromising the Windows experiences that help employees collaborate and do their best work.

Dynamics 365

[Teams chat in Dynamics 365 Customer Service](https://learn.microsoft.com/en-us/dynamics365/customer-service/use-teams-chat) and [Teams chat in Dynamics 365 Sales](https://learn.microsoft.com/en-us/dynamics365/sales/teams-integration/using-teams-chat-in-dynamics) enables customer service agents and/or sales professionals to start a new chat (or connect an existing chat) within a customer or sales record.

[The integration of knowledge management in Dynamics 365 with Power Virtual Agents](https://learn.microsoft.com/en-us/dynamics365-release-plan/2022wave1/service/dynamics365-customer-service/search-knowledge-articles-using-power-virtual-agents-bot) provides a way for customers to search for knowledge articles, enabling them to resolve simple queries and troubleshoot issues on their own.

Microsoft Power Platform

[Visualizing views in Dynamics 365 with Power BI](https://powerbi.microsoft.com/en-us/blog/visualizing-views-in-dynamics-365-generally-available/) give organizations the ability to quickly build essential line-of-business apps in a low-code environment, increasing agility and modernizing processes.

LinkedIn

[Tools and resources](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Flearn-skills-access-new-tools-future-proof-your-career-monica-lewis%2F%3FtrackingId%3Dmn8oezuK0morqno0MBJFyw%253D%253D&data=05%7C01%7Cstecarter%40microsoft.com%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=plHV2Fz9gEHZKnJPBbaVJ6m7K4dRYPDDTKdNX%2FxBbco%3D&reserved=0) to help job seekers navigate uncertainty and future-proof their careers include:

* New data highlighting the top emerging hard and soft skills professionals had over time, and free LinkedIn Learning courses enabling job seekers to stay relevant and build skills.
* Social networking features to identify who is hiring in your professional network on LinkedIn’s Jobs Home tab, notifications when people in your first or second degree connections are hiring and surfacing members of the hiring team in job descriptions.

[The latest creator product bundle](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Flean-visual-content-creation-linkedin-keren-baruch%2F&data=05%7C01%7Cstecarter%40microsoft.com%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=YUM69s37iIecIezp%2FNtt55KxYMRW6AHJ90sApR%2FLF%2B0%3D&reserved=0) highlights new visual tools rolling out globally including sticker links and templates.

To make it easier for recruiters and hiring managers to improve their diversity efforts, [we launched two new features and six new LinkedIn Learning paths](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fimprove-gender-representation-your-candidate-%2F&data=05%7C01%7Cstecarter%40microsoft.com%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=DNDjwYDCbye1u5DYOXSwHXba6ILeptTlT3NmDeklX4Y%3D&reserved=0):

* To help recruiters quickly increase the representation of women or men in their talent pools, we introduced Diversity Nudges in LinkedIn Recruiter.
* To attract more candidates that align with a company’s values, we introduced a way for companies to highlight their values and organizational commitments to their Company Page.
* We unlocked six new LinkedIn Learning paths curated to the most common DEI organizational objectives.

We introduced tools for B2B marketers, including:

* Capabilities in [Campaign Manager](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fbusiness%2Fmarketing%2Fblog%2Flinkedin-ads%2Fnew-ways-to-get-even-more-out-of-your-linkedin-ads&data=05%7C01%7Cstecarter%40microsoft.com%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=ZwyXwiKjlzIdk17VFlbt5DhUSOaFZUagXfCHcAhOFgg%3D&reserved=0) to connect offline conversions with LinkedIn ads to get a full picture of marketing impact and new audience insights.
* [Document Ads](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fbusiness%2Fmarketing%2Fblog%2Flinkedin-ads%2Fnew-ways-to-get-even-more-out-of-your-linkedin-ads&data=05%7C01%7Cstecarter%40microsoft.com%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=ZwyXwiKjlzIdk17VFlbt5DhUSOaFZUagXfCHcAhOFgg%3D&reserved=0), a format to accelerate interest across the funnel.
* Features for [Company 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%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=%2BlwFdrwfRhWkIdobug6eqD3AFeFNhbYAGBkBH1UdgW8%3D&reserved=0) including pinned comments, featured commitments, and post templates.

We launched new [buyer intent features](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fpulse%2Fnext-generation-sales-navigator-here-what-means-you-mitali-pattnaik%2F%3FtrackingId%3D4EFoH8J6QpSrUtagPmZMWA%253D%253D&data=05%7C01%7Cstecarter%40microsoft.com%7C1cd28cbce1ce43a69d8408daad509f7d%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C638012859035164171%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=Csc%2FxyCAOY6GA5CgiHg8Br6cH6RulaoYpIbA3Mvu2kc%3D&reserved=0) in Sales Navigator to help sellers understand and evaluate customers’ and prospects’ interest in their companies’ solutions based on signals generated from first-party data.

Microsoft Security

[Microsoft Defender Threat Intelligence](https://www.microsoft.com/security/blog/2022/08/02/microsoft-announces-new-solutions-for-threat-intelligence-and-attack-surface-management/) helps security operations teams can uncover attacker infrastructure, and accelerate investigation and remediation, with more context, insights, and analysis than ever before.

[Microsoft Defender External Attack Surface Management](https://www.microsoft.com/security/blog/2022/08/02/microsoft-announces-new-solutions-for-threat-intelligence-and-attack-surface-management/) gives security teams the ability to discover unknown and unmanaged resources that are visible and accessible from the internet, essentially the same view an attacker has when selecting a target.

[Microsoft Defender Experts for Hunting](https://www.microsoft.com/security/blog/2022/08/03/microsoft-defender-experts-for-hunting-proactively-hunts-threats/) is a proactive threat hunting service that covers not only endpoints, but also Microsoft Office 365, cloud applications, and identity.

[Microsoft Defender for IoT](https://www.microsoft.com/security/blog/2022/07/11/introducing-security-for-unmanaged-devices-in-the-enterprise-network-with-microsoft-defender-for-iot/) adds agentless monitoring to secure enterprise IoT devices like Voice over Internet Protocol (VoIP), printers, and smart TVs.

[Microsoft Entra Permissions Management](https://techcommunity.microsoft.com/t5/microsoft-entra-azure-ad-blog/microsoft-entra-permissions-management-is-now-generally/ba-p/3290630), formerly CloudKnox Security, allows organizations to discover, remediate, and monitor permissions for all identities (both human and workloads) and resources across multicloud environments

[Microsoft Entra Verified ID](https://techcommunity.microsoft.com/t5/microsoft-entra-azure-ad-blog/microsoft-entra-verified-id-now-generally-available/ba-p/3295506) is a privacy respecting way to verify one’s identity.

[Cross-tenant access settings in Microsoft Entra](https://techcommunity.microsoft.com/t5/microsoft-entra-azure-ad-blog/cross-tenant-access-settings-for-secure-collaboration-now/ba-p/3575844) reduce friction and lower support costs for external secure collaboration. Organizations that use Microsoft Entra can accept trusted security claims from each other.

With [Microsoft Purview eDiscovery APIs](https://www.microsoft.com/security/blog/2022/07/20/how-microsoft-purview-and-priva-support-the-partner-ecosystem/), organizations can leverage automation to 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 Arc-enabled servers are now available in the [South Africa North region](https://azure.microsoft.com/en-us/updates/ga-arc-server-south-africa-north/). Azure Arc-enabled servers are available in 31 regions worldwide.

Azure Security and Management

[Application Insights standard test for synthetic monitoring](https://azure.microsoft.com/en-us/updates/general-availability-application-insights-standard-test-for-synthetic-monitoring/) are a single request test which also includes SSL certificate validity, proactive lifetime check, HTTP request verb, custom headers, and custom data associated with your HTTP request.

[Azure Active Directory authentication for Application Insights](https://azure.microsoft.com/en-us/updates/general-availability-azure-active-directory-authentication-for-application-insights/) helps ensure that only authenticated telemetry is ingested in Application Insights resources.

[Enterprise-ready Azure Monitor change analysis](https://azure.microsoft.com/en-us/updates/generally-available-enterpriseready-azure-monitor-change-analysis-capability-released/) which extends observability into Azure, is available with enhanced performance and security, improved change data quality, and easy navigation from the Azure Monitor portal.

[Metric alert rules](https://azure.microsoft.com/en-us/updates/general-availability-update-on-metric-alert-rules-on-custom-metrics/) that monitor custom metrics can now be saved in four European regions: North Europe, West Europe, Sweden Central, and Germany West Central.

[Action groups can be saved and processed](https://azure.microsoft.com/en-us/updates/generally-available-action-groups-can-now-be-saved-and-processed-within-europe/) in European regions Sweden Central and Germany West Central (in addition to the default “global” region).

[Azure Confidential Ledger](https://azure.microsoft.com/en-us/updates/general-availability-azure-confidential-ledger/) offers users tamperproof data storage backed by Blockchain structure, tamper evidence available at any point of time, all the benefits of Azure confidential computing, including protection for data in use, and flexible options for managing the trusted computing base (TCB).

Azure Data

[Fast restore for Azure Database for PostgreSQL – Flexible Server](https://azure.microsoft.com/en-us/updates/generally-available-fast-restore-for-azure-database-for-postgresql-flexible-server/) performs automatic snapshot backups and allows you to restore to any point in time within the retention period.

[New premium-series hardware](https://learn.microsoft.com/en-us/azure/machine-learning/how-to-create-manage-compute-instance) based on the 3rd Gen Intel® Xeon Scalable processor (code name Ice Lake) provides Azure SQL managed instances with faster compute and memory performance as well as improved IO and network experience over the standard-series (Gen 5) hardware offering.

Azure Database for PostgreSQL - Hyperscale (Citus) [supports 96 and 104 vCore compute options on worker nodes and a 96 vCore compute option on coordinator nodes](https://azure.microsoft.com/en-us/updates/general-availability-azure-data-explorer-supports-native-ingestion-from-amazon-s3/).

[New extensions for Azure Database for PostgreSQL – Flexible Server](https://azure.microsoft.com/en-us/updates/generally-available-new-extensions-for-azure-database-for-postgresql-flexible-server/) support PLV8 and PgRouting extensions.

[PostgreSQL 14 with Azure Database for PostgreSQL – Flexible Server](https://azure.microsoft.com/en-us/updates/generally-available-postgresql-14-with-azure-database-for-postgresql-flexible-server/) reduces index bloat on tables with frequently updated indexes, includes enhancements for distributed workloads, improves performance to vacuuming systems, and more monitoring and observability capabilities.

[Same-zone high availability for Azure Database for PostgreSQL – Flexible Server](https://azure.microsoft.com/en-us/updates/generally-available-samezone-high-availability-for-azure-database-for-postgresql-flexible-server/) allows users to choose where to deploy their standby server for their high availability requirements.

Azure Analytics

[Up to 45% performance gains in stream processing](https://techcommunity.microsoft.com/t5/ai-applied-ai-blog/general-availability-of-azure-form-recognizer-v3-0/ba-p/3599245) for CPU intensive jobs by default.

Use Stream Analytics clusters to securely connect jobs to write to dedicated synapse SQL pools using [managed private endpoints](https://azure.microsoft.com/en-us/updates/asa-synapsesql-pe/).

Configure an [Azure Database for PostgreSQL instance as output to a Stream Analytics](https://azure.microsoft.com/en-us/updates/asa-postgresql-ga/) job with zero code.

Stream Analytics allows users to use managed identities as an authentication mode [when connecting to Azure Service Bus](https://azure.microsoft.com/en-us/updates/generally-available-premiumseries-hardware-for-azure-sql-managed-instance/) queues and topics.

[Azure Data Explorer supports native ingestion from Amazon S3](https://azure.microsoft.com/en-us/updates/). Prior to the S3 ingestion support in Azure Data Explorer, users had to rely on complex ETL pipelines, or orchestrators to ingest data from S3.

[Azure Data Explorer Kusto Emulator](https://azure.microsoft.com/en-us/updates/kusto-emulator/) is a Docker Container encapsulating the Kusto Query Engine available locally in a Docker Container.

Azure Serverless and App Dev Services

[Azure Functions on Linux Elastic Premium plan increased maximum scale-out limits](https://azure.microsoft.com/en-us/updates/generally-available-azure-functions-linux-elastic-premium-plan-increased-maximum-scaleout-limits-3/) in the following regions: Australia East (40), Central US (100), East US (100), East US 2 (100), North Europe (80), South Central US (60), UK South (60), West Europe (100), and West US (40).

Users can [build production Serverless Apps with Azure Functions v4 in isolated worker model with .NET Framework 4.8](https://azure.microsoft.com/en-us/updates/generally-available-azure-functions-net-framework-support-in-the-isolated-worker-model/). This allows apps with .NET Framework dependencies to explore taking advantage of the latest versions of Azure Functions host.

In [Azure App Service, users can restore app backups](https://azure.microsoft.com/en-us/updates/generally-available-backup-and-restore-updates-for-app-service/), utilize automatic backups, or make on-demand custom backups.

[Azure Functions extension for Event Grid blob trigger](https://azure.microsoft.com/en-us/updates/generally-available-azure-functions-extension-for-event-grid-blob-trigger/) handles events raised by a storage account. The extension allows users to reduce latency by triggering on an event subscription to the same blob container.

[Enterprise-grade edge for Azure Static Web Apps](https://azure.microsoft.com/en-us/updates/generally-available-enterprisegrade-edge-for-azure-static-web-apps/) enables faster page loads, enhances security, and optimizes reliability for your global applications. Enterprise-grade edge combines the capabilities of Azure Static Web Apps, Azure Front Door, and Azure Content Delivery Network (CDN) into a single secure cloud CDN platform.

The updated version of [Azure Lab Services](https://azure.microsoft.com/en-us/updates/general-availability-azure-lab-services-august-2022-update/) provides a range of improvements and enhancements along with introducing key features. The update includes enhanced lab creation and publication improvements along with backend reliability; enhanced virtual machine access performance; improved cost tracking via Azure Cost Management service; access to .NET SDK, Python SDK, Azure PowerShell module, and ARM templates to automate lab processes and build solutions on top of the service; and integration with Canvas. With the introduction of VNET injection for Azure Virtual Networks, educators and trainers have more control of the virtual network and can enable labs with complex configuration to teach a wide variety of courses.

[Azure Functions support for PowerShell 7.2](https://azure.microsoft.com/en-us/updates/generally-available-azure-functions-support-for-powershell-72/) enables developing and deploying Azure Function Apps for production scenarios using the latest version of PowerShell.

[Azure Functions retry policy for Event Hubs and timer triggers](https://azure.microsoft.com/en-us/updates/generally-available-azure-functions-retry-policy-for-event-hubs-and-timer-triggers/) set a retry policy using Event Hubs or timer triggers that re-executes a function until successful execution or the maximum number of retries occur.

[Azure Communication Services support for Teams identities](https://azure.microsoft.com/en-us/updates/general-availability-azure-communication-services-support-for-teams-identities/) allows developers to build business applications that enable calling experiences for Teams users directly into the app, develop new workflows for apps that require custom management of incoming and outgoing Teams phone calls, or bring Teams calling capabilities into devices that are not supported with the standard Teams client.

[Partner events](https://azure.microsoft.com/en-us/updates/generally-available-azure-event-grid-partner-events/) is an Azure Event Grid feature that allows external systems, typically SaaS providers and platforms, to publish events so that applications can subscribe to them.

Developer Tools, Services, and GitHub

[Visual Studio 2022 17.3](https://devblogs.microsoft.com/visualstudio/visual-studio-2022-17-3-is-now-available/) comes with new functionality including:

* [Add “Update All” button to Visual Studio Installer page](https://developercommunity.visualstudio.com/t/Add-Update-All-button-to-Visual-Studio/601217)
* [Add drag and drop capability to breakpoints](https://developercommunity.visualstudio.com/t/Add-drag-and-drop-capability-to-breakpoi/10050498)
* [Reopen closed tab](https://developercommunity.visualstudio.com/t/Reopen-closed-tab/402931)
* [Compress Uploaded Memorydump from feedback System](https://developercommunity.visualstudio.com/t/Compress-Uploaded-Memorydump-from-feedba/369089)
* [Limit CPU usage of Visual Studio during C++ build](https://developercommunity.visualstudio.com/t/Limit-CPU-usage-of-Visual-Studio-during/436208)
* [Detect unguarded dereferences of std::optional with static analysis](https://developercommunity.visualstudio.com/t/Detect-unguarded-dereferences-of-std::op/1430703)

[GitHub Projects](https://github.blog/2022-07-27-planning-next-to-your-code-github-projects-is-now-generally-available/) connects planning directly to the work teams are doing in GitHub and flexibly adapts to whatever a team needs at any point. Built like a spreadsheet, project tables give a live canvas to filter, sort, and group issues and pull requests.

Azure AI

[Hierarchical forecasting for Azure Machine Learning](https://azure.microsoft.com/en-us/updates/generally-available-hierarchical-forecasting-for-azure-machine-learning/) eliminates the need for users to manually create individual models to produce forecasts for their hierarchy data.

[Responsible AI investments and safeguards for Facial Recognition](https://azure.microsoft.com/en-us/updates/asa-servicebus-mi-ga/) help developers and organizations use AI responsibly and support the use of Azure Cognitive Services consistent with our AI Principles.

[Azure Form Recognizer v3.0](https://azure.microsoft.com/en-us/updates/generally-available-unity-catalog-for-azure-databricks/) is an Applied AI service for all document understanding needs. With Form Recognizer users can extract content from a variety of file formats with the Read API.

Users can learn how to use their own data and code to train a machine learning model with the [job creation UI](file:///C:\Users\KristoferMiller\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\NFS9UPB5\There%20are%20many%20ways%20to%20create%20a%20training%20job%20with%20Azure%20Machine%20Learning.%20You%20can%20use%20the%20CLI%20(see%20Train%20models%20(create%20jobs)),%20the%20REST%20API%20(see%20Train%20models%20with%20REST%20(preview)),%20or%20you%20can%20use%20the%20UI%20to%20directly%20create%20a%20training%20job.%20In%20this%20article,%20you'll%20learn%20how%20to%20use%20your%20own%20data%20and%20code%20to%20train%20a%20machine%20learning%20model%20with%20the%20job%20creation%20UI%20in%20Azure%20Machine%20Learning%20studio.) in Azure Machine Learning studio. Users can use the CLI, the REST API, or you can use the UI to directly create a training job.

Azure IoT

[Windows 11 IoT Enterprise, version 22H2](https://techcommunity.microsoft.com/t5/internet-of-things-blog/windows-11-iot-enterprise-version-22h2-is-now-generally/ba-p/3631671) is a feature update for Windows 11 IoT Enterprise and includes all features and fixes in previous cumulative updates to Windows 11 IoT Enterprise, version 21H2.

Azure Datacenter

[Microsoft Azure available from new cloud region in Qatar](https://azure.microsoft.com/en-us/updates/general-availability-microsoft-azure-available-from-new-cloud-region-in-qatar/). The new datacenter region includes [Azure Availability Zones](https://azure.microsoft.com/global-infrastructure/availability-zones/), which offer additional resiliency for applications by designing the region with unique physical datacenter locations with independent power, network, and cooling for additional tolerance to datacenter failures.

[UAE North Availability Zones](https://azure.microsoft.com/en-us/updates/generally-available-uae-north-availability-zones/) are made up of three unique physically separated locations or “zones” within a single region to bring higher availability and asynchronous replication across Azure regions for disaster recovery protection.

Quantum Computing

[IonQ’s Aria](https://cloudblogs.microsoft.com/quantum/2022/08/16/ionq-aria-is-available-now-exclusively-on-azure-quantum/) [and Rigetti’s Aspen quantum hardware](https://cloudblogs.microsoft.com/quantum/2022/09/19/microsoft-paves-the-way-to-quantum-at-scale-during-ieee-quantum-week-2022/) systems added to Azure Quantum cloud service.

Azure Playfab

[Azure PlayFab Economy v2](https://blog.playfab.com/blog/playfab-economy) supports massive player bases with hundreds of millions of active players, giant catalogs, and large inventories without big performance issues. It also includes key feature updates across Inventory, Virtual Currencies, Marketplace Integration, Catalog, and others.

[PlayFab Party](https://blog.playfab.com/blog/playfab-party-expands-cross-platform-play-with-new-platforms) C++ SDKs and Unity plugins on Linux and macOS brings support for two platforms to join our existing roster that includes Windows PC, Xbox, Nintendo Switch, PlayStation 4, PlayStation 5, Android, and iOS. PlayFab Party provides low-latency, secure game networking and built-in player communication that works across platforms to bring players together no matter where they play.

FastTrack for Azure

With [Microsoft Learn for FastTrack for Azure](https://learn.microsoft.com/en-us/training/azure/fasttrack), customers can attend live or on demand sessions, access curated technical content and guidance from FastTrack for Azure engineers on Azure deployments. Get direct responses from Azure engineering experts by asking questions in the live sessions or chat.

Gaming

[Minecraft](https://www.xbox.com/en-us/games/store/minecraft/9nblggh537bl) released several Marketplace DLCs, including the Minions x Minecraft DLC Update, SpongeBob DLC, Peace Builders DLC, and Frozen Planet II DLC.

[*As Dusk Falls*](https://www.xbox.com/en-US/games/as-dusk-falls?&ef_id=Cj0KCQjw1vSZBhDuARIsAKZlijSuK9JsAJV3aSfyIpsd1mE-hZXay3qa8jTyb_YbWOkFjXTZ5HVyfEgaAnITEALw_wcB:G:s&OCID=AIDcmmiixzwwab_SEM_Cj0KCQjw1vSZBhDuARIsAKZlijSuK9JsAJV3aSfyIpsd1mE-hZXay3qa8jTyb_YbWOkFjXTZ5HVyfEgaAnITEALw_wcB:G:s&gclid=Cj0KCQjw1vSZBhDuARIsAKZlijSuK9JsAJV3aSfyIpsd1mE-hZXay3qa8jTyb_YbWOkFjXTZ5HVyfEgaAnITEALw_wcB)*,* an original interactive drama developed by INTERIOR/NIGHT and published by Xbox Game Studios Publishing, launched on day one with Xbox Game Pass for console, PC, and cloud, and is available via Xbox Series X|S, Windows PC, and Steam.

[*Forza Horizon 5*](https://www.xbox.com/en-US/games/store/forza-horizon-5-hot-wheels/9PNSZ7GMWCQZ)*: Hot Wheels* launched as the first expansion for [*Forza Horizon 5*](https://www.xbox.com/en-US/games/store/forza-horizon-5/9NNX1VVR3KNQ/0010), which features new cars, new biomes, a new story, 80 new track and stunt pieces in EventLab, new accessibility features and more.

[*Sea of Thieves* launched Season 7](https://www.seaofthieves.com/season-seven), featuring ship Captaincy. Players can purchase their own ships, name them, and set sail as a Captain.

[Discord](https://discord.com/) and [Xbox](https://www.xbox.com/en-US/) launched a partnership for players to be able to chat with friends from all their gaming communities on Discord directly from their Xbox Series X|S and Xbox One consoles, PC and mobile.

Xbox released the [Xbox Elite Wireless Controller Series 2 – Core in white](https://www.xbox.com/en-US/accessories/controllers/xbox-elite-wireless-controller-series-2-core) with adjustable-tension thumb sticks, wrap-around rubberized grip, and shorter hair trigger locks. The controller also has exclusive button mapping options and custom profiles in the Xbox Accessories app and 40 hours of rechargeable battery life. Alongside the controller, Xbox also launched the [Complete Component Pack](https://www.xbox.com/en-sg/accessories/controllers/complete-component-pack), which allows players to add more customization to the Elite Wireless Series 2 controller as well as replace parts for a player’s existing Elite Series 2 controller.

The full “1.0” version of [*Grounded*](https://www.xbox.com/en-US/games/grounded)from Obsidian Entertainment is available with Xbox Game Pass and across console, PC, Xbox Cloud Gaming (Beta) and Steam.

[N!ck’s](https://nicks.com/) and [Minecraft](https://www.xbox.com/en-us/games/store/minecraft/9nblggh537bl) partnered to make limited edition ice cream flavors inspired by the game, including Cake Blocka, Peanöt Choklad Glowdust, and more.

[*Microsoft Flight Simulator*](https://www.xbox.com/en-US/games/microsoft-flight-simulator) released Carenado PC12 in the in-sim marketplace (payware) and World Update XI: Canada.

Microsoft Search, Advertising, and News

[Smart Campaigns with Multi-Channel](https://about.ads.microsoft.com/en-us/blog/post/september-2022/simplified-campaign-creation-search-social-media-management) allows small and medium businesses (SMBs) in the U.S. to grow online and find new customers at scale. This includes Multi-platform, an all-in-one control panel for SMBs to manage campaigns, analyze results and publish across leading advertising and social media platforms including Google and Facebook.

[Multimedia ads](https://about.ads.microsoft.com/en-us/blog/post/july-2021/let-your-brand-shine-with-multimedia-ads) combines assets like images, headlines and descriptions with the power of machine learning technology to deliver the attention grabbing large visual ads. This new responsive ad format is offered on Microsoft Bing.com search pages.

[The new sidebar in Microsoft Edge](https://blogs.windows.com/msedgedev/2022/09/01/microsoft-edge-sidebar-multitask-smarter/) helps users multitask. Users can access tools and features side-by-side within their browser and can customize their sidebar with the features that help them multitask. Organizations can also choose the sidebar items that best suits their workplace. Features within sidebar include:

* Office: convenient access to all productivity apps directly in a user’s web browser. Outlook: users can check on their inbox or calendar without having to navigate away from their browsing activities.
* Discover: provides more relevant information as users search the web.
* Shopping: offers convenient access to a personalized shopping hub with information like recent purchases, package tracking, recently viewed items, and open shopping carts as well as coupons and savings.

[Import Chrome data without Chrome during First Run Experience](https://learn.microsoft.com/en-us/deployedge/microsoft-edge-relnote-stable-channel)lets a user bring in their Chrome data by logging in to their Google account during Microsoft Edge's First Run Experience and removes the need to download Chrome to take this action.



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