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| MICROSOFT QUARTERLY HIGHLIGHTS, PRODUCT RELEASES, AND ENHANCEMENTS Q4 FY19  |
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| 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 |
| [**Microsoft Search**](https://www.bing.com/videos/search?q=microsoft+search&view=detail&mid=A703F108477F66352B1CA703F108477F66352B1C&FORM=VIRE) is an intelligent, enterprise search experience that applies the artificial intelligence (AI) technology from Bing and deep personalized insights surfaced by Microsoft Graph, to make search more effective.  [**Microsoft Forms integrates with Microsoft Stream**](https://techcommunity.microsoft.com/t5/Microsoft-Stream-Blog/New-interactive-video-features-and-deeper-integrations-with/ba-p/323918) so users can seamlessly add quizzes, forms or polling into training videos. The Forms integration into Microsoft Stream helps users make videos more engaging and interactive for learners.  **@mentions in Office Apps.** When collaborating on documents saved to OneDrive for Business, you can @mention colleagues, adding a placeholder for them in your document. [**Manage Planner**](https://techcommunity.microsoft.com/t5/Microsoft-To-Do-Blog/Planner-and-To-Do-integration-bringing-you-a-more-cohesive-task/ba-p/552740) adds tasks assigned to you within Microsoft To-Do. Users can view, edit and complete Planner tasks from Microsoft To-Do. [**Microsoft To-Do: for Mac.**](https://techcommunity.microsoft.com/t5/Microsoft-To-Do-Blog/Microsoft-To-Do-for-Mac-is-here/ba-p/696250)Microsoft To-Do, the app that helps you manage, prioritize, and complete the most important things you need to achieve every day, is now available in the Mac store.  |
| Office 365  |
| [**Live Captions and Subtitles in PowerPoint**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fen-us%2Fmicrosoft-365%2Fblog%2F2019%2F05%2F15%2Fbuilding-inclusive-workplace-together%2F&data=02%7C01%7Cv-chgarr%40microsoft.com%7Ca2d4489e70274a08a4b308d6f05f288c%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636960688823417022&sdata=BjrOvKg0PgbhzOCINClvkWQTXtoz5ABCvYbbzEL1ArU%3D&reserved=0) now supports 12 spoken languages and 60+ on-screen captions or subtitle languages to create accessible and inclusive presentations. Now available to Microsoft 365 and Office 365 subscribers worldwide for Windows, Mac and the web.  [**Insert Data from Picture for Excel iPhone app.**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/05/29/insert-data-from-picture-take-analog-data-digital/) Using the Insert Data from Picture feature, you can scan a receipt or table-type information and it’s converted to Excel; available for iOS and supports 21 Latin languages for both Android and iPhone versions. With the launch of [**Designer for branded templates**](https://www.bing.com/videos/search?q=microsoft+designer+branded+templates&&view=detail&mid=3623BC62F8E65A927D3A3623BC62F8E65A927D3A&&FORM=VRDGAR), companies can now make sure the design recommendations people see meet their corporate branding and visual identity guidelines.  [**Reactions in Whiteboard**](https://techcommunity.microsoft.com/t5/Education-Blog/Announcing-six-features-to-enhance-inclusion-and-collaboration/ba-p/691417) let you show collaborators you like their addition to the whiteboard with reactions to their sticky note, images and text. This feature will be available on the Whiteboard Windows 10 and iOS app.  [**Securely create and share videos on mobile in Microsoft Stream.**](https://techcommunity.microsoft.com/t5/Microsoft-Stream-Blog/New-Mobile-Features-Interactivity-and-More-Announced-at/ba-p/614046)Using the app you can securely save videos for offline viewing, record or upload new videos from your mobile device, and seamlessly share them through Outlook, Teams, Yammer and more.  [**In-geo storage of Yammer messages at rest for new EU customers.**](https://techcommunity.microsoft.com/t5/Yammer-Blog/New-Yammer-investments-announced-at-SharePoint-Conference-add/ba-p/621940)Yammer offers local data residency to help meet European data residency requirements. We commit to store message bodies and files attached to messages at rest within a specific geographical area. Now available to all new Office 365 customers associated with a tenant in the EU.  |
| Microsoft Teams |
| [**Priority notification.**](https://microsoft.sharepoint.com/teams/M365ConductorOnboarding/Shared%20Documents/Additional%20Info/Roadmap%20Review%20Presentations/Investor%20Feature%20Lists/%EF%82%A7%09https%3A/www.microsoft.com/en-us/microsoft-365/blog/2019/02/07/new-capabilities-in-microsoft-365-empower-healthcare-professionals?wt.mc_id=AID729581_QSG_PD_SCL_319870&ocid=AID729581_QSG_PD_SCL_319870) Share urgent messages and time-sensitive information more effectively with Teams. Priority notifications alert a recipient of an urgent message on their mobile and desktop devices until a response is received, every two minutes for up to 20 minutes.  [**Teams size limit – 5,000 members.**](https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/What-s-new-in-Microsoft-Teams-March-round-up/ba-p/363427) Bring large teams together to collaborate in a single workspace. All new and existing teams can now accommodate up to 5,000 members, double the previous limit. Additionally, the distribution list import has been increased to 3,500 users so you can easily populate the team.  [**Multi-team support for Firstline Workers.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2FMicrosoft-Teams-Blog%2FWhat-s-New-in-Microsoft-Teams-May-2019%2Fba-p%2F658941&data=02%7C01%7Cv-chgarr%40microsoft.com%7Cde720f611954444894f208d6f5169db2%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636965874840936292&sdata=7oOKgw%2FRI0jUnM70unsTXTUV3lUen6UaZrJBFHfHw1Y%3D&reserved=0) Many Firstline Workers work on more than one team, and now with multi-team support in Shifts, employees will be able to access their shifts, other users’ shifts, requests, open shifts, their profile, and other users’ profiles in a multi-team manner.   [**Add nearby Microsoft Teams room.**](https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/What-s-New-in-Microsoft-Teams-May-2019/ba-p/658941) The Microsoft Teams client on your PC and mobile has a proximity sensor that detects an available room, and you can add the room easily to the meeting from your pre-join screen. |
| Windows |
| [**Sign-in with password-less Microsoft accounts**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fwindows%2Fsecurity%2Fidentity-protection%2Fhello-for-business%2Fpasswordless-strategy&data=02%7C01%7Cv-chgarr%40microsoft.com%7C58eae070e70544ad5b2508d6f5c1eb6e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636966610558482046&sdata=P16jjLRFWX58BOGEX13yuAxysh9WspmoKsloD234Y1k%3D&reserved=0).Sign into Windows 10 with a phone number, then use Windows Hello for an even easier sign-in experience.  [**Windows Sandbox**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftechcommunity.microsoft.com%2Ft5%2FWindows-Kernel-Internals%2FWindows-Sandbox%2Fba-p%2F301849&data=02%7C01%7Cv-chgarr%40microsoft.com%7C58eae070e70544ad5b2508d6f5c1eb6e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636966610558482046&sdata=Lm%2B0cW8%2B6YzU%2FSQG2GcEm3IWsKRcxX2sTC2q%2BlRdhD4%3D&reserved=0) is an isolated desktop environment where you can run untrusted software without the fear of lasting impact to your device.  [**Delivery optimization**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fwindows%2Fdeployment%2Fupdate%2Fwaas-delivery-optimization&data=02%7C01%7Cv-chgarr%40microsoft.com%7C58eae070e70544ad5b2508d6f5c1eb6e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636966610558492045&sdata=Ruj3NZRkh7HzYzCkoICBuiAS82OHy%2BR2oGQOkzrGS38%3D&reserved=0). Improved Peer Efficiency for enterprises and educational institutions with complex networks (via a set of new policies). This now supports Office 365 ProPlus updates and Microsoft Intune content.  [**Windows Autopilot White Glove**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fwindows%2Fdeployment%2Fwindows-autopilot%2Fwhite-glove&data=02%7C01%7Cv-chgarr%40microsoft.com%7C58eae070e70544ad5b2508d6f5c1eb6e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636966610558492045&sdata=GToFudj26pScJENcWH%2F0BQaRhvD6VFHADcxWA0DNpSQ%3D&reserved=0) provides *white glove* service that enables partners or IT staff to pre-provision a Windows 10 PC so that it is fully configured and business-ready.  [**Windows Security app**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fwindows%2Fsecurity%2Fthreat-protection%2Fwindows-defender-security-center%2Fwindows-defender-security-center&data=02%7C01%7Cv-chgarr%40microsoft.com%7C58eae070e70544ad5b2508d6f5c1eb6e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636966610558502036&sdata=vsXanaCSVS22MZkygslbXZqqgYOfKVtwhgUIs9KHyCM%3D&reserved=0) improves protection history, including detailed and easier-to-understand information about threats and available actions. Controlled Folder Access blocks are now in the Protection history, Windows Defender Offline Scanning tool actions, and any pending recommendations.  [**Your Phone App**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fen-us%2Fcross-device-experiences%3Factivetab%3Dpivot_1%253aprimaryr2&data=02%7C01%7Csglass%40microsoft.com%7C9be073d6eaef42430b9208d6ffdfa0b4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636977733267579565&sdata=idetXg8pxUpDB%2F39XrjXyDPAePycz0CKloEjm19mJxs%3D&reserved=0) delivers users an experience where they will now be able to receive and manage their Android phone’s notifications on their PC without having to constantly split their attention between devices. With the Notifications feature, users will be able to see messages from Whatsapp, Facebook, Twitter, Messenger and other apps. The Your Phone App also offers a major time-saving convenience because when you dismiss a notification on your PC, it will also dismiss it on your phone and vice versa.   [**Windows May 2019 Update**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblogs.windows.com%2Fwindowsexperience%2F2019%2F04%2F04%2Fimproving-the-windows-10-update-experience-with-control-quality-and-transparency%2F%23HZ9sOJK10rhxdTK3.97&data=02%7C01%7Csglass%40microsoft.com%7C9be073d6eaef42430b9208d6ffdfa0b4%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636977733267589518&sdata=aOU7Td7ItLzkFG1lept2VVkAim68a86%2Fs8pyuX%2BAWnY%3D&reserved=0) gives customers more control, featuring a more streamlined update process and new clean and simple experiences for your desktop. Some highlights include:   * Fewer interruptions: Now you have the option to let Windows Update adjust active hours based on your device-specific usage patterns.
* Start, simplified: The new simplified Start layout contains a sleek one-column design and fewer tiles. It also comes with the ability to quickly uninstall apps and unpin groups of tiles.
* Light theme: Brighten up your settings, experiences, and desktop with the new Windows Light theme.
* Search: The new enhanced search mode now searches your entire PC including your D drive and E drive.

[**Microsoft Edge preview**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblogs.windows.com%2Fmsedgedev%2F2019%2F04%2F08%2Fmicrosoft-edge-preview-channel-details%2F%23JuvJWcHTe4HF6O1a.97&data=02%7C01%7Csglass%40microsoft.com%7C850adde8d6884cb59b1908d6ff739ee6%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636977269439942854&sdata=8luSK%2BhqVRsS3C5xC%2BqY%2BDRa3AsEKbkjtVuSyEjgq88%3D&reserved=0)**.** The Microsoft Edge Insider Program enables public installs of the early previews of the next version of Microsoft Edge — built from the Chromium rendering engine. |
| Security, Compliance and Identity |
| [**Azure Active Directory Password Protection**](https://techcommunity.microsoft.com/t5/Azure-Active-Directory-Identity/Azure-AD-Password-Protection-is-now-generally-available/ba-p/377487) helps you eliminate easily guessed passwords from your environment, which can dramatically lower the risk of being compromised by a password spray attack.   **New** [**Identity Category in Microsoft Secure Score in the Azure Active Directory Portal.**](https://techcommunity.microsoft.com/t5/Azure-Active-Directory-Identity/Identity-Secure-Score-is-now-generally-available/ba-p/616876) Gain visibility and control over your security posture by discovering opportunities that will help to improve security across your organization. These opportunities are surfaced as recommendations, which are coupled with the guidance and the workflows necessary to help security administrators implement each recommendation.[**Office 365 Advanced Message Encryption**](https://techcommunity.microsoft.com/t5/Security-Privacy-and-Compliance/Announcing-Office-365-Advanced-Message-Encryption/ba-p/502440) provides great new capabilities for your organization and end users to keep your sensitive data protected.   [**Records Management Solution in Microsoft 365 Compliance Center**](https://techcommunity.microsoft.com/t5/Security-Privacy-and-Compliance/New-Records-Management-solution-and-machine-learning-updates/ba-p/623953)is one place with a specific permissions model and tailored experience for records management including file plan, event-based retention, and defensible disposition.  **Compliance Manager** will now receive the signals of Microsoft Secure Score from the Security Graph API. Once you implement a security control, you will see both Microsoft Compliance Score and Microsoft Secure Score increase accordingly.  **Microsoft Authentication Library for .NET and Javascript.** .NET developers can use MSAL.NET to securely sign in and authenticate any Microsoft identity (Azure AD and Microsoft Accounts), and call Microsoft Graph, other Microsoft APIs, or other APIs that developers have built. All functionality in ADAL.NET (Azure AD Authentication Libraries) is now supported in MSAL.NET. In addition, developers building a Single Page App can use MSAL.js to securely sign in and authenticate any Microsoft identity (Azure AD and Microsoft Accounts), and call Microsoft Graph, other Microsoft APIs, or other APIs that developers have built.  |
| Dynamics 365 |
| [**Dynamics 365 Customer Insights**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdynamics.microsoft.com%2Fen-us%2Fai%2Fcustomer-insights%2F&data=02%7C01%7Csglass%40microsoft.com%7C8a690145b9d2423b9e8408d7014e9576%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636979309363819291&sdata=IZKkJm%2FxUTk3BOJAi%2BRzXKnx0F%2BaotDwhNGSQtlti18%3D&reserved=0) provides anyone — from non-technical business users to analysts and data scientists — with a deeper understanding of customers, enabling intelligent insights and action that can help you personalize experiences, retain customers, and build loyalty.     [**Dynamics 365 Customer Service Insights**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdynamics.microsoft.com%2Fen-us%2Fai%2Fcustomer-service%2F&data=02%7C01%7Csglass%40microsoft.com%7C8a690145b9d2423b9e8408d7014e9576%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636979309363819291&sdata=miHFzt0lkHtbaeSI9VaIUtYHvwyp%2BY4LSLtdrvnBpQo%3D&reserved=0) provides actionable insights into critical performance metrics and emerging support questions, enabling managers to proactively train agents on new emerging topics, create new materials, or automate responses through the virtual agent, so they can resolve customer issues quicker.   The new [**Dynamics 365 app for Microsoft Teams**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fyoutu.be%2Fu0DaRzZDAPc&data=02%7C01%7Csglass%40microsoft.com%7C8a690145b9d2423b9e8408d7014e9576%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636979309363829244&sdata=AOGFFUrbvFk4VtgXu7274%2BUU057ooEkf2itwa3UG7AE%3D&reserved=0) enables a sales team to easily work with Dynamics 365 customer information and share files directly from Microsoft Teams. This helps them to be more productive and get the deal done more effectively.     Microsoft Power Platform    [**Pervasive application of AI in Power BI**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fyoutu.be%2FKFdK3oJOh9k&data=02%7C01%7Csglass%40microsoft.com%7C8a690145b9d2423b9e8408d7014e9576%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636979309363829244&sdata=HnbXLoVuEKyt%2BtPBY1JWSAO6mUpaBxeQNfDY8x2gzjg%3D&reserved=0)**.** This Azure Cognitive Services and Azure ML dataflows integration provides analysts with a toolkit of powerful AI functions inside Power BI.  Microsoft Flow continues to be a unified workflow platform across Office 365 and Dynamics 365, including new contextual [integration with Microsoft Teams](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fbusiness-applications-release-notes%2FApril19%2Fmicrosoft-flow%2Fcontextual-flows-power-automation-teams&data=02%7C01%7Csglass%40microsoft.com%7C8a690145b9d2423b9e8408d7014e9576%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636979309363829244&sdata=q8wG7EV3IgADjJ1%2BNQBnPRG9pafl6mnQ2SC8rXzQ44w%3D&reserved=0), and improvements in the Microsoft [Flow usage in Dynamics 365](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fbusiness-applications-release-notes%2FApril19%2Fmicrosoft-flow%2Fdynamics-365-applications-building-features&data=02%7C01%7Csglass%40microsoft.com%7C8a690145b9d2423b9e8408d7014e9576%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636979309363839203&sdata=IaBS%2BayvQsy%2By%2BEst7%2FjXWkaeJ%2FzMwuWzwuvqBaCo2E%3D&reserved=0)  |
| LinkedIn |
| [**Introducing the new Face of Sales Navigator**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fsales-solutions%2Fblog%2Flinkedin-sales-navigator%2F2019%2Fintroducing-the-new-face-of-sales-navigator&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435959190&sdata=Hc%2FPk2liw42oOAKbM4LtMGIoH0UWzTi12Ed0yt3rAIc%3D&reserved=0)centered around Alerts, making it easier for teams to identify company changes, find relevant prospects and prioritize the best next steps to take. [**Job Alerts and Job Search**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnews.linkedin.com%2F2019%2FJanuary%2Flinkedin-new-jobs-and-hiring-features-q4-update&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435959190&sdata=lojhRToXh%2B5QKTSlJ%2FiS7paKHh3l16sP0IROokJVuMQ%3D&reserved=0)will send members a notification within minutes when a job that meets their criteria or experience is posted to give them the best chance of getting the job. With half of job seekers on mobile, we’ve optimized jobs search to meet that need. [**Ads transparency.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fmarketing-solutions%2Fblog%2Flinkedin-news%2F2019%2Fmaking-advertising-more-transparent-on-linkedin-&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435969143&sdata=6AQBdgkmlWKS62jg%2F6PHEVod8FENJLHcWIVe3GpvrQQ%3D&reserved=0) We introduced a new tab on all LinkedIn Pages called “Ads,” which displays all Sponsored Content and Direct Sponsored Content feed ads that have been shown to at least one member in the past 6 months from the ads account(s) linked to that Page. Members can click on the ads, but the advertisers will not be charged for these engagements and the clicks will not impact campaign reporting.[**LinkedIn moves core talent products to one platform**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Ftalent-solutions%2Fblog%2Fproduct-updates%2F2019%2Flinkedin-moving-core-talent-tools-onto-one-platform&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435969143&sdata=aeGvN1MaLde%2BZKZH3rbEPgcBF%2FIAHuGJX%2FyZE99CN00%3D&reserved=0)**,** making it more efficient for hiring managers to hire quality candidates. This launch brings together LinkedIn Jobs, Recruiter, and Pipeline Builder into a single platform that is simplified and more intelligent.[**Interview Prep**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Fjune%2F18%2Fintroducing-new-tools-to-help-you-prep-for-your-next-interview&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435969143&sdata=EtDNNgmfeskFLHuuxlmSt0TAE37Wc77XgOwoXa46ink%3D&reserved=0) is a new suite of tools to help members prepare for their upcoming interview. These new tools aim to help job seekers build the confidence they need to succeed in interviews through access to expert advice and self-practice tools. [**Teammates**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Fapril-%2F16%2Fadd-teammates-a-new-way-to-nurture-professional-relationships&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435949230&sdata=58FcesPf%2FZ3kLV3EbcgQBa5Hc77SxTQMXo2zV%2BKq3To%3D&reserved=0) is a new feature that helps members quickly add current teammates on LinkedIn. Members can specify their manager, peers and/or direct reports. From there, updates are prioritized in their feed about their team’s activity on LinkedIn, such as posts, comments, likes, shares, and work anniversaries.[**LinkedIn Reactions**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Fapril-%2F11%2Fintroducing-linkedin-reactions-more-ways-to-express-yourself&data=02%7C01%7Csglass%40microsoft.com%7C15c511bbbd6746f9310808d70557ad40%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636983746435949230&sdata=O%2B1sODCr5BHyY1I729IwIGRGkx0N%2FNXPOughY76OE9U%3D&reserved=0) gives members more ways to quickly and constructively communicate with one another. These new reactions can help members better understand the impact their posts are having. |
| 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 VMware Solution by CloudSimple**](https://azure.microsoft.com/en-us/services/azure-vmware-cloudsimple/) runs VMware workloads natively on Azure.  [**Azure VMs Mv2**](https://azure.microsoft.com/en-us/updates/azure-mv2-virtual-machines-offering-up-to-6-tb-memory-are-now-generally-available/) provides unparalleled performance to support large in-memory databases such as SAP HANA. New supercomputer-grade compute VMs are now available in select Geos.  [**HC-Series VM (GA)**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fazure.microsoft.com%2Fen-us%2Fupdates%2Fhigh-performance-computing-virtual-machines-are-now-available-in-west-us-2-east-us%2F&data=02%7C01%7Ctalalq%40microsoft.com%7Ce666fae0f8b1474b37c808d6fe4523d3%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636975970240701235&sdata=BapaD8rq92y%2BYNTVXRe47zHPhzHACRH73H3TjrK07D8%3D&reserved=0)**,** [**HB-Series VM (GA)**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fazure.microsoft.com%2Fen-us%2Fupdates%2Fhigh-performance-computing-virtual-machines-are-now-available-in-south-central-us-western-europe%2F&data=02%7C01%7Ctalalq%40microsoft.com%7Ce666fae0f8b1474b37c808d6fe4523d3%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636975970240681245&sdata=W206lv7BrI3QLFI7zw8vUTgRz%2FY9s7AuVbTKQnFZ2kw%3D&reserved=0)provide supercomputer-grade performance and scalability with the best price-performance on the public cloud. [**Red Hat Enterprise Linux 8 on Azure**](https://cloudblogs.microsoft.com/opensource/2019/05/07/red-hat-microsoft-azure-announcements-red-hat-summit-2019/)**.** Users can enjoy faster time-to-production by using the new built-in features in RHEL 8, including Application Streams that streamline access to open source packages, enhanced system design, automation capabilities, and integrations via API-driven control plane.  [**Azure Frontdoor service**](https://azure.microsoft.com/en-us/services/frontdoor/) is a scalable and secure entry point for fast delivery of your global applications.  Improve private connectivity options with [**ExpressRoute Direct**](https://azure.microsoft.com/en-us/updates/expressroute-direct-is-now-available/) to enable large data ingestion and network-isolation and [**ExpressRoute Global Reach**](https://azure.microsoft.com/en-us/updates/expressroute-global-reach-is-now-available/)**,** providing global on-premises to on-premises connectivity through Azure using the Microsoft global network (WAN).**Windows Admin Center 1904.** This release adds capabilities to Platform, Core tools and Hybrid. Windows Admin Center now features an Azure hybrid services hub that consolidates all the easy-to-use hybrid features that allow Windows Servers to connect to Azure and use services such as backup, disaster recovery and file sync.  |
| Azure Security and Management |
| [**Advanced Threat Protection for Azure Storage**](https://azure.microsoft.com/en-us/updates/advanced-threat-protection-for-azure-storage-is-now-available/) protects Azure storage accounts from common threat vectors. [Get started here.](https://docs.microsoft.com/azure/storage/common/storage-advanced-threat-protection) [**Regulatory compliance dashboard in Azure Security Center**](https://azure.microsoft.com/en-us/updates/regulatory-compliance-dashboard-in-azure-security-center-now-generally-available/) provides security assessments and recommendations as you align to specific compliance requirements, based on continuous assessments of your Azure and hybrid workload. [Learn](https://docs.microsoft.com/azure/security-center/security-center-compliance-dashboard) more. [**Adaptive Network Hardening in Security Center**](https://azure.microsoft.com/en-us/updates/adaptive-network-hardening-in-azure-security-center-is-now-available/) learns the network traffic and connectivity patterns of Azure workloads and provides NSG rule recommendations for internet-facing virtual machines. Click here to get started. **Azure Security Center new analytics agent for Linux** significantly improves onboarding of Linux virtual machines to Azure Security Center.  [**Improved integration of Azure Security Center with Azure Advisor**](https://azure.microsoft.com/en-us/updates/azure-security-center-improved-integration-with-azure-advisor-is-now-available/) includes a detailed summary of security recommendations and alerts. These are also available via API, CSV and PDF. |
| Azure Data |
| [**Query Performance Insights for Azure Database for PostgreSQL**](https://azure.microsoft.com/en-us/updates/query-performance-insights-for-azure-database-for-postgresql-now-available/)**.** The Query Performance Insights feature in [Azure Database for PostgreSQL](https://aka.ms/postgresql) is now generally available. Query Performance Insights is one of the three features that comprise the Intelligent Performance feature set. With Query Performance Insights, users can visually inspect their database workloads in the Azure portal to identify long-running queries, inspect wait statistics associated with queries, and detect changes in query performance. Query Performance Insights is enabled by a related feature, Query Store, which collects and stores query execution statistics and wait event distributions. [**Query Store for Azure Database for PostgreSQL**](https://azure.microsoft.com/en-us/updates/query-store-for-azure-database-for-postgresql-now-available/)**.** [Azure Database for PostgreSQL](https://aka.ms/postgresql) now provides support for Query Store, which is one of three features comprising the Intelligent Performance feature set. Query Store collects and stores query execution statistics and wait event distributions. With this functionality, users can inspect their database to understand their workloads, identify bottlenecks, and detect changes in query performance. Query Store also enables the two additional features that support Intelligent Performance, Query Performance Insights and Performance Recommendations. [**Performance Recommendations for Azure Database for PostgreSQL**](https://azure.microsoft.com/en-us/updates/performance-recommendations-for-azure-database-for-postgresql-now-available/)**.** [Azure Database for PostgreSQL](https://aka.ms/postgresql) can learn and adapt to users’ workloads. Performance Recommendations, which is one of three features comprising the Intelligent Performance feature set, provides users with a list of recommendations for creating or dropping new indexes to potentially improve the performance of their workloads. Users can opt to implement these recommendations by using the SQL command provided with each listed recommendation. The Performance Recommendations feature is enabled by a related feature, Query Store, which collects and stores query execution statistics and wait event distributions. [**Azure Database for PostgreSQL Read Replica**](https://azure.microsoft.com/en-us/updates/azure-database-for-postgresql-read-replica-is-now-generally-available/)**.** [Azure Database for PostgreSQL](https://aka.ms/postgresql) now supports asynchronous replication of data from one Azure Database for PostgreSQL server (the “master”) to up to five Azure Database for PostgreSQL servers (the “replicas”) in the same region. This allows read-heavy workloads to scale out and be balanced across replica servers according to users' preferences. Replica servers are read-only; any writes are those replicated from data changes on the master. Stopping replication to a replica server causes it to become a standalone server that accepts reads and writes. Replicas can be managed using the [Azure portal](https://docs.microsoft.com/azure/postgresql/howto-read-replicas-portal) or [CLI](https://docs.microsoft.com/azure/postgresql/howto-read-replicas-cli). [**Enhanced SQL API query functionality in Azure Cosmos DB**](https://azure.microsoft.com/en-us/updates/enhanced-sql-api-query-functionality-in-azure-cosmos-db-is-now-available/)**.** [Azure Cosmos DB SQL API](https://docs.microsoft.com/en-us/azure/cosmos-db/sql-api-query-reference) provides support for Distinct, Skip & Take, Correlated Subquery, and Composite Indexes. Composite indexes let you create multi OrderBy queries. Users will be able to continue to [query using SQL as a JSON query language](https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-sql-query) and will now have access to an even richer set of features. Azure Cosmos DB also now has better performance of aggregates in queries. In most cases, aggregates’ RU consumption will decrease significantly. [**Azure SQL Database Hyperscale support for single databases**](https://azure.microsoft.com/en-us/updates/azure-sql-database-hyperscale-support-for-single-databases-is-now-available/)**.** The new [Hyperscale service tier for Azure SQL Database](https://aka.ms/azurehyperscale) is highly scalable, enabling a database to grow as needed with support for up to 100TB. Hyperscale database backups are nearly instantaneous, and the time required to create backups or to scale up or down is no longer tied to the volume of data. Hyperscale databases provide rapid scale-up and scale-out in real time, regardless of the size of the database. This new service tier also provides the ability to scale compute and storage resources independently, giving you the flexibility to optimize performance for your workloads. Hyperscale practically eliminates the need to pre-provision storage resources and significantly expands the potential for app growth without being limited by storage size. Learn more in our [documentation](https://docs.microsoft.com/en-us/azure/sql-database/sql-database-service-tier-hyperscale).  [**Azure SQL Database managed instance SKU recommendation for Data Migration Assistant**](https://azure.microsoft.com/en-us/updates/azure-sql-database-managed-instance-sku-recommendation-for-data-migration-assistant-is-now-available/)**.** Expand the scope of on-premises SQL Server assessments to migrate legacy SQL Server instances to Azure SQL Database managed instances with the new Azure SQL Database [SKU recommendation functionality](https://aka.ms/dmasku), which is now generally available. This feature is used in conjunction with Data Migration Assistant to recommend the proper cloud database service tier and sizing configuration based on an existing on-premises workload. This functionality is provided free of charge.  |
| Azure Analytics |
| [**New geospatial features in Azure Stream Analytics**](https://azure.microsoft.com/en-us/updates/new-geospatial-features-in-azure-stream-analytics-are-now-generally-available/)**.** Azure Stream Analytics now offers full support for the WKT geospatial format, opening new opportunities for developers. In addition, Stream Analytics added support for geospatial index of reference data, providing faster processing to support, for example, much larger-scale fleet management and connected cars scenarios. Transitioning from geographic-based to geometry-based calculations will deliver geo-projected results to end users. [**Apache Hadoop 3 on Azure HDInsight 4.0**](https://azure.microsoft.com/en-us/updates/apache-hadoop-3-on-azure-hdinsight-4-0-is-now-available/) brings updates to several open source components in the Apache Hadoop and Spark ecosystems. HDInsight 4.0 takes advantage of Apache Hadoop 3.0, which incorporates over five years of major upgrades contributed by the open source community across key Apache frameworks such as Hive, Spark and HBase. New features in Hadoop 3 provide significant improvements to performance, stability, and availability, helping reduce total cost of ownership and accelerating time-to-value. [**Azure SQL Data Warehouse Workload Importance**](https://azure.microsoft.com/en-us/updates/workload-importance-for-azure-sql-data-warehouse-is-now-generally-available/)**.** In situations where resources are constrained, the capability to decide which workloads need to be executed first is critical, as it helps with overall solution cost management. For instance, executive dashboard reports may be more important than ad-hoc queries. Workload importance now enables this scenario. Requests with higher importance are guaranteed quicker access to resources, which helps meet predefined SLAs and ensures important requests are prioritized. [**.NET for Apache Spark™**](https://azure.microsoft.com/en-us/updates/net-for-apache-spark-is-now-available/)**.**Apache Spark is now accessible to the .NET developer ecosystem with [.NET for Apache Spark](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdotnet.microsoft.com%2Fapps%2Fdata%2Fspark&data=02%7C01%7CAnny.Dow%40microsoft.com%7C70db3f7d819b4bed7bef08d6f40f23fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636964743601536376&sdata=89zxVWBfa8giMUgBoo8G6gsugJzn0R%2FHRj1%2BJOK%2BDxY%3D&reserved=0). .NET for Apache Spark is free, open source, and [.NET Standard compliant](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fdotnet%2Fstandard%2Fnet-standard&data=02%7C01%7CAnny.Dow%40microsoft.com%7C70db3f7d819b4bed7bef08d6f40f23fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636964743601536376&sdata=yvqxVIhnW4I8CIx6GB9z9PI87L47Qr7d6YMplIcVACQ%3D&reserved=0), which means you can use it anywhere you write .NET code. .NET for Apache Spark provides high performance DataFrame-level APIs for using Apache Spark from C# and F#. With these .NET APIs, you can access all aspects of Apache Spark including Spark SQL, for working with structured data, and Spark Streaming. Additionally, .NET for Apache Spark allows you to register and call user-defined functions written in .NET at scale. With .NET for Apache Spark, you can reuse all the knowledge, skills, code, and libraries you already have as a .NET developer. [**Premium Blob storage**](https://azure.microsoft.com/en-us/updates/premium-blob-storage-is-now-generally-available/)**.**Premium block blob storage is now available. This is a new performance tier in Azure Blob storage, complementing the existing [hot, cool, and archive tiers](https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers). Premium Blob storage is ideal for workloads with high transactions rates or that require very fast access times, such as IoT, telemetry, AI, and scenarios with humans in the loop such as interactive video editing, web content, and online transactions. Premium Blob storage will be available initially in the US East, US East 2, US Central, US West, US West 2, North Europe, West Europe, Japan East, and Southeast Asia regions. Read to [learn more](https://aka.ms/premblobblog). [**Azure NetApp Files**](https://azure.microsoft.com/en-us/updates/azure-netapp-files-is-now-generally-available/) is now available in select public cloud regions. Azure NetApp Files is a powerful file-storage service to demanding file-workloads in Azure, without the need for any code modification. It’s an Azure first-party service, built on NetApp’s ONTAP technology, and is sold and supported by Microsoft. Azure NetApp Files enables both Linux and Windows applications to seamlessly migrate and run in the cloud with an on-premises-like experience and performance. Azure NetApp Files is no different from any other Azure first-party service — it can be provisioned and consumed against existing Azure agreement(s) without the need for any term commitments. At general availability, Azure NetApp Files will be available in the following regions: US East, US West 2, US South Central, EU West (Amsterdam), EU North (Dublin).  |
| Azure Serverless and App Dev Services |
| [**Azure Red Hat OpenShift**](https://azure.microsoft.com/en-us/services/openshift/) provides a flexible, self-service deployment of fully managed OpenShift clusters. With this, customers can focus on application development, as the master, infrastructure, and application nodes are patched, updated, and monitored by Microsoft and Red Hat. Azure Red Hat OpenShift offers industry-leading SLA of 99.9% availability. [**Virtual Nodes in the Azure Kubernetes Service**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fazure%2Faks%2Fvirtual-nodes-portal&data=01%7C01%7Csajanp%40microsoft.com%7Cd2aae3093f334a2f939908d6d23cf5a8%7C72f988bf86f141af91ab2d7cd011db47%7C1&sdata=5FaLljgmxOgCdYsgqSZb2tpdlPmDZKNpMMdVRtTITcw%3D&reserved=0) is our serverless container offering for Kubernetes. Virtual nodes allow users to rapidly scale their applications using cloud-based serverless containers that run directly on Azure’s cloud infrastructure. Not only are these containers fast to start, but they provide serverless container infrastructure with the simplicity of IaaS, without the complexity of virtual machines.  [**Azure Dev Spaces**](https://docs.microsoft.com/en-us/azure/dev-spaces/)**for Azure Kubernetes Service.** With Dev Spaces, developers can rapidly iterate and debug different parts of an application in parallel in the same Azure Kubernetes Service (AKS) cluster. They can also test their code end-to-end without replicating or mocking up dependencies.[**Kubernetes-based event-driven autoscaling**](https://github.com/kedacore/keda)**(KEDA)** is an open source project that supports deployment of serverless, event-driven containers on any Kubernetes environment, including Red Hat OpenShift, be it on on-premises, or public or private cloud. [**Kubernetes Integration for Azure Pipelines**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fazure%2Fdevops%2Frelease-notes%2F2019%2Fbuild-may%23kubernetes-integration-for-azure-pipelines%22&data=02%7C01%7Cnichers%40microsoft.com%7C2d1df47f02f546c81d3b08d6ff5f811f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636977183008385246&sdata=pkdSH%2FMlWjAH9ignvLhiTYbI0mxz5NI1XYV7yrIEtfg%3D&reserved=0%20)now supports building applications with Docker containers and deploying them to Kubernetes clusters, including Azure Kubernetes Service. [**Multi-Stage Pipelines**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fazure%2Fdevops%2Frelease-notes%2F2019%2Fbuild-may%23multi-stage-yaml-pipelines&data=02%7C01%7Cnichers%40microsoft.com%7C2d1df47f02f546c81d3b08d6ff5f811f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636977183008385246&sdata=psGo8JHWWUiNk12sFDprI0%2Bvsf%2FDT2xrBzT56%2Fo%2BMSk%3D&reserved=0)**.** Azure Pipelines now offers a unified YAML experience so you can configure your pipelines to utilize both continuous integration (CI) and continuous delivery (CD). [**.NET Framework 4.8 (released with Windows)**](https://go.microsoft.com/fwlink/?linkid=2053983) is a development platform for building Windows applications and provides a variety of services to its running apps. It is distributed with Windows. .NET Framework 4.8 is generally available with the release of Windows 10 May 2019 Update (19H1) and will roll out on Windows Update for down-level OSes. **Visual Studio 2019 - RTM.** With Visual Studio 2019, individual developers and teams of developers will become more productive in building current and future projects as they benefit from the innovation in the IDE that makes every keystroke count. Whether they’re collaborating in real time using Visual Studio Live Share, getting into their code more quickly with our Git-first workflow, building a new cloud application, or improving their workflow with new refactoring capabilities or search in debug windows, they’ll find Visual Studio 2019 to be more productive and faster than ever. [**Visual Studio 2019 for Mac - RTM**](https://devblogs.microsoft.com/visualstudio/visual-studio-2019-for-mac-is-now-available/)focuses on improving the core of Visual Studio for Mac. Major highlights of this release include: easily launching multiple instances of the IDE, right from the macOS dock; creating smaller and faster Android apps with Xamarin and optimizing the Android development loop; replacing the Unity debugger with the same core engine used in Visual Studio on Windows; increased stability and performance of code editor, Git tooling, .NET Core debugging, and project/solution load improvements; and reliable Git support so that all file changes/adds/removes are tracked and committed. [**ML.NET 1.0 release**](http://aka.ms/ml-dotnet) is an open-source and cross-platform framework (Windows, Linux, macOS), which makes machine learning accessible for .NET developers. Using ML.NET, developers can develop and infuse custom AI into their applications by creating custom machine learning models without needing high expertise in data science and machine learning. ML.NET allows you to create models targeting scenarios based on ML tasks such as classification, regression, clustering, ranking, recommendations and anomaly detection. It also provides integration with other deep-learning frameworks like TensorFlow plus interoperability through ONNX. [**GitHub Identity Support for Azure**](https://aka.ms/build19/azuredevops/ghssi)enablesGitHub users to sign into Microsoft applications, including Azure Portal and Azure DevOps, using their GitHub account. This update enables GitHub users to go from repository to deployment with just their GitHub account credentials. [**Azure DevTest Labs: PowerShell module**](https://github.com/Azure/azure-devtestlab/blob/master/samples/DevTestLabs/Modules/Library/HowTo.md) enables users to simplify the management of Azure DevTest Labs. It provides composable functions to create, query, and update and delete labs, virtual machines, custom images, and environments.  |
| Azure AI |
| [**Cognitive Services Text Analytics' Named Entity Recognition**](https://azure.microsoft.com/en-us/updates/cognitive-services-text-analytics-named-entity-recognition-is-now-available/)supports English and Spanish languages as part of Azure Cognitive Services Text Analytics API. Named Entity Recognition (NER) is the ability to take free-form text and identify the occurrences of entities such as people, locations, organizations, and more. With a simple API call, NER in Text Analytics uses robust machine learning models to find and categorize more than 20 types of named entities in any text document.  [**Neural Text to Speech in Azure Cognitive Services**](https://azure.microsoft.com/en-us/updates/azure-cognitive-services-capabilities-that-are-now-generally-available/)applies the latest in deep learning innovation. The neural text-to-speech capability makes the voices of apps nearly indistinguishable from recordings of people. The natural inflection and clear articulation significantly reduce listening fatigue when interacting with AI systems. [**Cognitive Search**](https://azure.microsoft.com/en-us/updates/the-cognitive-search-feature-of-azure-search-is-now-available/)is an enrichment pipeline that transforms raw, unstructured content into rich searchable information in an Azure Search index. Powered by cognitive skills, Cognitive Search finds structured information from unstructured data, such as natural language processing and computer vision capabilities, and extracts structure and semantics from unstructured and non-textual data, and feeds it into a search index.  |
| Azure Datacenter |
| [**Microsoft Cloud datacenter regions now available in the UAE**](https://news.microsoft.com/en-xm/2019/06/19/microsoft-cloud-datacenter-regions-now-available-in-the-uae-to-help-fuel-the-middle-easts-future-economic-ambitions/)**.** The new cloud regions in Abu Dhabi and Dubai join Microsoft’s global infrastructure to provide organizations, enterprises and developers in the UAE with access to scalable, highly available, and resilient cloud services while maintaining data residency, security, and compliance needs. |
| Surface |
| [**Surface Hub 2S Launch**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblogs.windows.com%2Fdevices%2F2019%2F04%2F17%2Fsurface-hub-2s-advances-microsofts-vision-to-empower-teams-in-todays-modern-workplace%2F%236kX31hLDYJjJY3Qf.97&data=02%7C01%7Csglass%40microsoft.com%7C850adde8d6884cb59b1908d6ff739ee6%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636977269439932894&sdata=O8HEnj5latwldQBs2Nb%2FY2vMTHv7vU5LmCkiMVQe7fY%3D&reserved=0). The Surface Hub 2S began shipping in June in the United States and to other markets worldwide soon thereafter.  |
| Gaming |
| [**Xbox Game Pass for PC.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fxbox-game-pass%2Fpc-games&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C1%7C636971757726715017&sdata=ukf8OG%2BdWg5nN%2Fa8EfcuLtkTdI3sVv0RqU0NSHcc22Y%3D&reserved=0) With Xbox Game Pass for PC, members get access to a curated library of over 100 high-quality PC games on Windows 10 over time. Xbox Game Pass is all about providing gamers the best value and choice. Not only do members get access to a library of great games, but the content is specially curated for PC gamers to ensure members are always able to explore and discover their next favorite game.   [**Xbox Game Pass Ultimate.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fen-us%2Fp%2Fxbox-game-pass-ultimate%2Fcfq7ttc0khs0%3Factivetab%3Dpivot%253aoverviewtab&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636971757726725015&sdata=0ksohAcYi9%2BGUqDFaB%2F3JzP21l4t5ZeXticWUIaITEM%3D&reserved=0) Now available broadly, Xbox Game Pass Ultimate includes all the benefits of Xbox Live Gold, as well as access to a curated library of over 100 high-quality console and PC games for one low monthly price. With a huge variety of games from every genre and new games added all the time, Xbox Game Pass Ultimate offers something for everyone.     [**Xbox One S All-Digital Edition launch.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnews.xbox.com%2Fen-us%2F2019%2F04%2F16%2Fxbox-one-s-all-digital-edition%2F&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C1%7C636971757726725015&sdata=NbJWVRGRITkOmQoaduSRHpZbmImP72u03AxGUjeec5Y%3D&reserved=0) As the newest member of the Xbox One family, the Xbox One S All-Digital Edition is designed for disc-free gaming and entertainment and is the most affordable way to play Xbox games. The Xbox One S All-Digital Edition comes with *Minecraft, Sea of Thieves* and *Forza Horizon 3.*   [**Xbox One S *Fortnite* Battle Royale Special Edition Bundle launch.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DeBgf2BkJS1I&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636971757726735005&sdata=DZb3PF%2B6%2FKdPLMQ8hSZAYlSbucmosL%2Bygn45H9sUVZI%3D&reserved=0) Ahead of E3 2019 was the launch of a new special-edition *Fortnite* console bundle that comes with a gradient purple Xbox One S and matching Xbox Wireless Controller. The bundle also includes the Dark Vertex cosmetic set featuring Legendary Outfit, Epic Glider, a Rare Pickaxe and 2000 v-bucks.   [***Sea of Thieves* sets sail on year two with the Anniversary Update.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fgames%2Fsea-of-thieves&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C1%7C636971757726735005&sdata=xfqfitoU76yTmzMatdov%2Bzxc1hno34M22xWsrhP%2FYC0%3D&reserved=0) In April, *Sea of Thieves*released its most expansive free update to date with the Anniversary Update, available with Xbox Game Pass and to those who purchased *Sea of Thieves* on Xbox One or Windows 10 PC. The update added a collection of story-rich quests to experience with friends in *Tall Tales - Shores of Gold*, alongside the all-new, on-demand competitive mode *The Arena,* allowing players to test themselves against other crews in a fast-paced PvP multiplayer experience.   [***Minecraft*** **Village & Pillage Update**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fgames%2Fminecraft&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C1%7C636971757726744999&sdata=oRJtl78JzyqEbHZpqUycaMNlWlMOj%2F9nSpXx8yKbIJ4%3D&reserved=0). The most adventurous, biggest and free update to *Minecraft* villages yet, the Village & Pillage update [released](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.minecraft.net%2Fen-us%2Fupdates%2Fvillage-pillage&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C1%7C636971757726744999&sdata=M77VtLjU7ipziRiafSWh1s16Cy0KSLiQlA31cYZ9XvU%3D&reserved=0) on both Java and Bedrock platforms on April 23. The update became available to the *Minecraft* community across 20 different platforms — a true, cross-studio accomplishment of platform coordination. Explorers will find all-new villages across different biomes, with job sites, buildings, and opportunities for trade. But beware — new threats have emerged! Villagers and Pillagers launch powerful attacks, backed by a menacing new beast — the Ravager. In celebration of the updated wells in the update, Minecraft also partnered with non-profit [charity:water](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.charitywater.org%2F&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C1%7C636971757726755000&sdata=iH0TOIZju8ykhaJjro1XMCDUAU3sd0HjVKsmUEA7VFw%3D&reserved=0) to bring clean water to villages in real life, through a $100K donation.  [***Forza Horizon 4* LEGO Speed Champions Expansion**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fen-us%2Fp%2Fforza-horizon-4-lego-speed-champions%2F9ntbr7062t7q%3Factivetab%3Dpivot%3Aoverviewtab&data=02%7C01%7Csglass%40microsoft.com%7C6ddf68e09a024814401108d6fa7055a9%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636971757726755000&sdata=XpF92fD31isa%2Bys8yTqCT6FHbKdpN97KkEN6Ss%2BmaYU%3D&reserved=0)**.***Forza Horizon 4* LEGO Speed Champions, the newest expansion for the award-winning *Forza Horizon 4*, invites you to experience the ultimate LEGO Speed Champions fantasy brought to life at the Horizon Festival. Explore a LEGO-themed world, discover LEGO Brick Challenges such as building a Master Builder’s house as your Brick Collection grows, and collect and race amazing new LEGO Speed Champions cars, including the McLaren Senna, Ferrari F40 Competizione, and the 1967 Mini Cooper S Rally. *Forza Horizon 4* LEGO Speed Champions launched worldwide on Xbox One and Windows 10 PC on June 13, 2019, as an Xbox Play Anywhere expansion and is available at a 10% discount for Xbox Game Pass members.   |
| Microsoft Advertising |
| [**Bing Vector Search**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblogs.microsoft.com%2Fai%2Fbing-vector-search%2F%3Futm_source%3Dpre-amp%26utm_campaign%3D81516&data=02%7C01%7Csglass%40microsoft.com%7C9316f4b6b3554087098408d6fefe8e0e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636976766584931459&sdata=Z3N5G5K%2FGrVr9CQC2mBZy2iCxCJiTp14R9V0dewdt%2BE%3D&reserved=0)**.** Microsoft made intelligent search needs, one of the most advanced AI tools, available to anyone as an open source project on GitHub. The algorithm, called Space Partition Tree And Graph (SPTAG), allows developers to take advantage of the intelligence from deep learning models to search through billions of pieces of information, called vectors, in milliseconds — meaning customers can deliver more relevant results to users much faster. [**Microsoft Audience Network**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fabout.ads.microsoft.com%2Fen-us%2Fsolutions%2Fmicrosoft-audience-network&data=02%7C01%7Csglass%40microsoft.com%7C9316f4b6b3554087098408d6fefe8e0e%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636976766584921499&sdata=nn8BNvHhRrTKFm%2FMCeWFfT%2BfgtarRIW3KD1vbvF9%2FyE%3D&reserved=0), which uses AI, rich audience intent, and profile understanding to help marketers reach consumers in brand-safe environments, released new product enhancements, including viewable impressions, image upload, and management tool updates to help customers manage their marketing campaigns even more easily.  |
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