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| |  | | --- | | MICROSOFT QUARTERLY HIGHLIGHTS, PRODUCT RELEASES, AND ENHANCEMENTS  Q1 FY20 | |  | |  | | 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. | | Office 365 | | [**OneDrive Personal Vault**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/09/30/onedrive-personal-vault-expandable-storage-available-worldwide/) provides an added layer of protection for your most important files, photos, and videos, and can only be accessed with a strong authentication method or a second step of identity verification.  [**OneDrive additional storage:**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/09/30/onedrive-personal-vault-expandable-storage-available-worldwide/)Users can add storage to existing Office 365 Home and Office 365 Personal subscriptions in 200GB increments, starting at $1.99 per month.  [**Designer theme ideas and perspectives in PowerPoint:**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/09/25/microsoft-365-web-desktop-productivity-new-features-office/) Just enter a word on a title slide and Designer will automatically surface relevant photography from our library of high-quality images. Designer perspectives translate large numbers into easily relatable references.  [**Presenter Coach in PowerPoint for the web:**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/09/25/microsoft-365-web-desktop-productivity-new-features-office/)Practice your upcoming talks with the power of AI. By speaking into a microphone, receive real-time feedback on pacing, the use of filler words and inclusive language, as well as whether you’re just reading off your slides. At the end of each rehearsal section, a report with areas for improvement is provided.    [**Dark Mode**](https://medium.com/microsoft-design/designing-dark-mode-31400530787a) is now available on Outlook for iOS and Android and has started rolling out to other Microsoft 365 apps. Dark Mode is not only easier on the eyes and may extend battery life, it also enables you to comfortably continue using your device in places where the default bright mode isn’t appropriate.  [**Redesigned Outlook on the web**](https://techcommunity.microsoft.com/t5/Outlook-Blog/Faster-with-a-modern-design-and-new-features-the-new-Outlook-on/ba-p/735222) features a modern design, new and smarter features, and a faster framework.  [**Microsoft To Do refresh**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/09/09/announcing-new-version-microsoft-to-do/) provides a fresh design, access from anywhere, and better integration with Microsoft apps and services.  [**New Yammer mobile experience**](https://techcommunity.microsoft.com/t5/Yammer-Blog/New-conversation-experience-for-Yammer-Mobile/ba-p/844276) updates include a new card-based design, a grid layout for documents, and images to easily preview and engage with multiple files, link previews, and inline videos in the feed.  [**Improved Office app experience in virtual environments:**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/07/01/improving-office-app-experience-virtual-environments/)FSLogix technology, which improves the performance of Office 365 ProPlus in multiuser virtual environments, is now available at no additional cost for Microsoft 365 customers, and new capabilities have been added to Outlook, OneDrive, and Microsoft Teams in Office 365 ProPlus to improve the user experience in a virtualized environment.  [**Export Visio workflows to Microsoft Flow:**](https://techcommunity.microsoft.com/t5/Visio-Blog/Export-workflows-designed-in-Visio-to-Flow-to-quickly-automate/ba-p/419098) Create new automation flows in Visio and seamlessly export them as a fully functioning workflow to Microsoft Flow. Built-in Business Process Model and Notation (BPMN) stencils have sharing and commenting capabilities, simplifying development and collaboration. | | Microsoft Teams | | [**Content cameras and intelligent capture with Microsoft Teams Rooms**](https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/An-inclusive-meeting-experience-for-everyone-in-any-room-with/ba-p/805877) detect the physical whiteboard in the room, crop and frame it, and share the content with remote participants. When a person steps in front of the whiteboard, viewers can see right through them to what is on the board.  [**Priority notifications**](https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/What-s-New-in-Microsoft-Teams-July-2019/ba-p/779946) alerts recipients of time-sensitive messages, pinging them every two minutes on their mobile and desktop until a response is received.  [**Targeted communication**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/07/11/microsoft-teams-reaches-13-million-daily-active-users-introduces-4-new-ways-for-teams-to-work-better-together/) allows team members to message everyone in a specific role at the same time by @mentioning the role name in a post.  [**Channel cross posting**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/07/11/microsoft-teams-reaches-13-million-daily-active-users-introduces-4-new-ways-for-teams-to-work-better-together/) allows users to share information with multiple teams simultaneously by posting a message to multiple channels in a single step.  [**Time clock in Microsoft Teams Shifts**](https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/What-s-New-in-Microsoft-Teams-July-2019/ba-p/779946) allows workers to clock in and out of their work shifts and breaks right from their Teams mobile app. Managers have the option to geo-fence a location to ensure team members are at the designated worksite when clocking in or out.  [**Enhanced Assignments tab in Microsoft Teams for Education**](https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/What-s-New-in-Microsoft-Teams-August-2019/ba-p/830349) shows a clear view of what’s coming up next and a to-do list for both teachers and students. | | Windows | | [**Windows Virtual Desktop**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/09/30/windows-virtual-desktop-generally-available-worldwide/) delivers simplified management, a multisession Windows 10 experience, optimizations for Office 365 ProPlus, and support for Windows Server Remote Desktop Services (RDS) desktops and apps. With Windows Virtual Desktop, you can deploy and scale your Windows desktops and apps on Azure in minutes.  [**FastTrack deployment guidance for Windows 10**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/08/12/speed-up-windows-10-development-new-fasttrack-guidance/) helps you envision a technical plan, determine how to onboard and deploy new services and/or users, and work with you as you deploy to get the most value out of your technology investments. This assistance is available at no additional cost for those with 150 or more licenses of an eligible service or plan. | | Security, Compliance, and Identity | | [**Azure Sentinel**](https://www.microsoft.com/security/blog/2019/09/24/azure-sentinel-cloud-native-siem-empowers-defenders-generally-available/)**,** a cloud-native security information and event manager (SIEM) platform, provides intelligent security analytics at cloud scale for enterprises of all sizes and workloads.  [**Automated Incident Response in Office 365 Advanced Threat Protection (ATP)**](https://www.microsoft.com/security/blog/2019/09/09/automated-incident-response-office-365-atp-now-generally-available/) appliespowerful automation capabilities to investigation and response workflows, dramatically improving the effectiveness and efficiency of security teams.  [**Threat and Vulnerability Management (TVM) in Microsoft Defender ATP**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/07/31/new-to-microsoft-365-in-july-updates-azure-ad-microsoft-teams-outlook/) is a new capability in Microsoft Defender ATP that delivers a new set of advanced, agentless, cloud-powered capabilities that provide continuous, real-time, risk-based vulnerability management.  [**Sensitivity labeling in Office apps for Windows:**](https://techcommunity.microsoft.com/t5/Security-Privacy-and-Compliance/Sensitivity-labeling-now-built-into-Office-apps-for-Windows-to/ba-p/844506)Earlier this year we released built-in sensitivity labeling in Office apps for Mac (Word, PowerPoint, Excel, Outlook), iOS, and Android (Word, PowerPoint, Excel, with Outlook coming soon), enabling users to easily apply sensitivity labels to documents and emails. These capabilities have now been extended to Office for Windows (Word, PowerPoint, Excel, Outlook).  [**Exact Data Match (EDM) for Classification**](https://techcommunity.microsoft.com/t5/Security-Privacy-and-Compliance/New-Exact-Data-Match-EDM-classification-helps-you-better-detect/ba-p/793526) is a new capability that enhances custom sensitive information types to identity exact information formats and structures, helping accurately target detection of your unique sensitive content.  [**Intune support for Android Enterprise work phone management:**](https://techcommunity.microsoft.com/t5/Enterprise-Mobility-Security/Microsoft-Intune-support-for-Android-Enterprise-fully-managed/ba-p/862232) With support for Android Enterprise fully managed devices, Microsoft 365 customers can deliver a high-quality and feature-rich productivity scenario for employees on corporate-owned devices, while maintaining an extended set of policy controls over those devices.  [**Evaluation lab in Microsoft Defender ATP**](https://techcommunity.microsoft.com/t5/Microsoft-Defender-ATP/Test-security-products-the-right-way-and-find-new-protection/ba-p/848857) removes the challenges of machine installation and configuration. Security experts can verify a potential platform, familiarize themselves with the product, learn about new features, or use the lab environment for attack simulations.  [**Microsoft Defender ATP for US GCC High customers**](https://docs.microsoft.com/en-us/windows/security/threat-protection/microsoft-defender-atp/commercial-gov) provides a unified platform for preventative protection, post-breach detection, automated investigation, and response. It is now available as an offer to US GCC High customers, providingseveralcompliance commitments, including FedRAMP.  [**Azure Active Directory (AD) and F5 integration**](https://techcommunity.microsoft.com/t5/Azure-Active-Directory-Identity/Azure-AD-F5-helping-you-secure-all-your-applications/ba-p/875650) deep integration simply secures access to legacy applications that use protocols like header-based and Kerberos authentication.  [**Azure AD provisioning support for 80+ apps**](https://techcommunity.microsoft.com/t5/Azure-Active-Directory-Identity/Azure-AD-provisioning-now-with-more-apps-and-better-insights/ba-p/566358)**,** including apps that use OpenID Connect (OIDC). In addition, we made it easier to operationalize deployment with improved insights on provisioning to apps. | | Dynamics 365 | | **Dynamics 365 Sales Insights – Conversation Intelligence.** The new conversation intelligence capability in Dynamics 365 Sales Insights assists the sales managers in your organization to get an overview of the call center and drill down to get call statistics for individual sellers. This AI-powered intelligence helps sales managers change the shape of the business by giving smarter coaching and enhancing sales to generate revenue.  [**Chat for Dynamics 365 Customer Service add-in is built on**](https://dynamics.microsoft.com/en-us/customer-service/capabilities/) Microsoft Teams communications platform—and enables you to engage with your customers in real time. | | Microsoft Power Platform | | [**Microsoft Forms Pro**](https://formspro.microsoft.com/en-us/) is a new enterprise survey application that enables you to create, send, and analyze surveys with ease to collect timely feedback and make informed decisions. With it you can create professional surveys no matter your skillset, integrate the data with your business applications, and enable informed action with AI- driven insights. | | LinkedIn | | [**Campaign Manager**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fmarketing-solutions%2Fblog%2Flinkedin-b2b-marketing%2F2019%2Fintroducing-a-more-powerful-campaign-manager-%3Fsrc%3Daff-lilpar%26veh%3Daff_src.aff-lilpar_c.partners_pkw.123201_plc.adgoal%2520GmbH_pcrid.449670_learning%26trk%3Daff_src.aff-lilpar_c.partners_pkw.123201_plc.adgoal%2520GmbH_pcrid.449670_learning%26clickid%3D1eFSXyXi-xyJT4NwUx0Mo34nUkn2fdSzEzkl000%26irgwc%3D1&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341481445&sdata=CBb0NZkTt3tqms1U%2Fr3pR0%2BYkNyQN5RY99aJ4zYaCTM%3D&reserved=0) introduced three new advertising objectives (brand awareness, website conversions, and job applicants) to address a broader set of advertiser goals and deliver higher-quality clicks. These new features are designed to improve key results across more objectives for our advertisers.  [**Open for Business/Filter by Service Provider**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Fseptember%2F12%2Ftap-your-linkedin-network-to-fill-your-project-needs&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341491437&sdata=FTSFyNos2GTUo0um0jhIx%2FR2L9Rs3bPrtniybAb2kNw%3D&reserved=0)are newtools to help members find the right service providers that can help them get the job done. As part of this, we’ve also made it easier for service providers/freelancers to share that they are “[**open for business**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fprofinder%2Fblog%2Fopen-for-business&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341491437&sdata=fZLc%2Fm4hJYe9YrYY02jSfIku4wSif00NthvLp3sykcI%3D&reserved=0)” on LinkedIn.  [**LinkedIn expands Marketing Partner Program**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fmarketing-solutions%2Fblog%2Flinkedin-news%2F2019%2Flinkedin-expands-the-marketing-partner-program-with-new-engageme&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341491437&sdata=IE9s3KoFzRdwzsBGbYgKhBziXeTRE3WpW7xVZQ3pza4%3D&reserved=0) with the addition of a new category: LinkedIn Audience Engagement. By working through our launch partners Amobee, Annalect, Hootsuite, Ogilvy, or Sprinklr, customers can leverage added insights to inform their campaigns.  [**Sales Navigator brings Sales and Marketing closer together**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fsales-solutions%2Fblog%2Flinkedin-sales-navigator%2F2019%2Fsales-navigator-brings-sales-and-marketing-closer-together&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341501431&sdata=jXtm%2F6tlfLTxP7vagtVXpkbRVNKoIBPGOTayUeqMFxU%3D&reserved=0) with new features that help sales representatives build thought leadership, boost collaboration, and close more deals, faster. These include a Sales Navigator integration with Elevate, workflow and list enhancements, and a click-to-chat support feature.  **LinkedIn**[**Skill Assessments**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Fseptember%2F17%2Fannouncing-skill-assessments-to-help-you-showcase-your-skills&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341501431&sdata=YXlFtw%2Fjbk8wu%2B15JUcT%2BsE1myN32efHgjpl4pk49Zg%3D&reserved=0) is a new feature that helps members validate and showcase the skills they have and allows recruiters to source candidates that are a good match based on skill assessment results.  [**The revamped LinkedIn Recruiter Mobile App**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Ftalent-solutions%2Fblog%2Fproduct-updates%2F2019%2Flinkedin-talent-connect-our-vision-for-future-of-talent&data=02%7C01%7Csglass%40microsoft.com%7C264bb752abe1409aa99908d7540af4c8%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070278341511427&sdata=2qhkX9ijll%2F8frovXvIhved9m7tH81%2FCr4Non9d46tI%3D&reserved=0) lets customers send, receive, and manage messages on-the-go, search and find relevant candidates, and share and collaborate with their team, right from their mobile phone.  [**LinkedIn**](https://business.linkedin.com/talent-solutions/talent-hub) **Talent Hub** is designed for small and medium-size businesses to bring your information from LinkedIn Recruiter, LinkedIn Jobs, Apply with LinkedIn, and more into one platform for simple sourcing, candidate management, and hiring. | | 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 | | [**Windows Virtual Desktop is now generally available**](https://azure.microsoft.com/en-us/updates/windows-virtual-desktop-is-now-generally-available-worldwide/)**,** so customers can deploy scalable Azure-based virtualization solutions with several operating systems, including Windows 10 multisession, Windows Server, and Windows 7 desktops with free Extended Security Updates for up to three years for customers still completing their move to Windows 10. We have also been working closely to build out an extensive partner ecosystem that can extend the benefits and capabilities of Windows Virtual Desktop to enable customers to get the most of out their virtualization investments. | | Azure Security and Management | | [**Azure Monitor for Azure Virtual Machines is now available in additional regions**](https://azure.microsoft.com/en-us/updates/azure-monitor-for-azure-virtual-machines-is-now-available-in-additional-regions/)including Japan East, North Europe, and East US2. Monitor for Virtual Machines monitors and analyzes the performance and health of your Windows and Linux virtual machines hosted in Azure, on-premises, or with another cloud provider.  **Microsoft** [**Azure Sentinel**](https://www.microsoft.com/security/blog/2019/09/24/azure-sentinel-cloud-native-siem-empowers-defenders-generally-available/)**,** a cloud-native SIEM that provides intelligent security analytics at cloud scale for enterprises of all sizes and workloads, is now generally available. Microsoft Azure Sentinel empowers security operations teams to help enhance the security posture of our customers and to address the modern challenges of security analytics.  [**Azure Security Center for IoT is now generally available**](https://azure.microsoft.com/en-us/updates/azure-security-center-for-iot-now-available/)**.** Azure Security Center for IoT enables organizations to protect their entire IoT solution from devices and IoT services to the connected cloud infrastructure. | | Azure Data | | [**Same region read replica for Azure Database for MariaDB**](https://azure.microsoft.com/updates/same-region-read-replica-is-now-available-for-azure-database-for-mariadb/) now supports  asynchronous replication of data from one Azure Database for MariaDB server (the “master”) to up to five Azure Database for MariaDB 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.  [**Cross-region read replicas in Azure Database for MySQL**](https://azure.microsoft.com/updates/cross-region-read-replicas-mysql-generally-available/)**,** which can scale out and balance read-heavy workloads across Azure regions, are now generally available in Azure Database for MySQL. Cross-region replication can be helpful for scenarios like disaster recovery planning or bringing data closer to your users.  [**MongoDB to Azure Cosmos DB online and offline migrations**](https://azure.microsoft.com/en-us/updates/mongodb-to-azure-cosmos-db-online-and-offline-migrations-are-now-available/)support online (minimal downtime) and offline (one-time) migrations. With online migrations, businesses can migrate their databases to Azure while the databases continue to be operational. This means that migrations can be completed with minimum downtime for critical applications, limiting the impact to service-level availability and inconvenience their end customers.  [**Azure SQL Database published the first in the industry business continuity SLA for a relational database service**](https://azure.microsoft.com/updates/azure-sql-db-published-first-in-industry-business-continuity-sla-for-a-relational-database-service/)to provide up to 99.995% availability. In addition, we introduced new financially backed SLAs for common business continuity metrics for the Business Critical service tier, including a 100% SLA for a 5-second recovery point objective (RPO) and a 100% SLA for a 30-second recovery time objective (RTO).  [**SQL data discovery and classification for Azure SQL Database**](https://azure.microsoft.com/updates/sql-data-discovery-and-classification-for-azure-sql-database-is-now-available/)**,** providing advanced capabilities built into Azure SQL Database for discovering, classifying, labeling, and protecting sensitive data, is now available.  [**Auto-failover for managed instances in Azure SQL Database**](https://azure.microsoft.com/updates/auto-failover-for-managed-instances-in-azure-sql-database-is-now-available/)enables business continuity after a catastrophic failure or other unplanned event by creating and managing a geographically redundant copy of managed instance.  [**Azure Cosmos DB recommendations keep you on the right track**](https://azure.microsoft.com/updates/azure-cosmos-db-recommendations/)to make it easier to stay up to date, including automatic and tailored recommendations for all Azure Cosmos DB users. Recommendations—from upgrading SDK versions to migrating fixed containers to partitioned ones—now appear in the Azure portal when you browse your Azure Cosmos DB accounts. | | Azure Analytics | | [**Premium Blob now supports Azure Blob Lifecycle Management**](https://azure.microsoft.com/en-us/updates/premium-blob-now-supports-blob-lifecycle-management/)to automatically delete objects in Premium Blob Storage accounts. Policies can be defined to automatically delete objects unmodified for a certain number of days and can be scoped to a specific container or for the entire storage account.  [**Reserved Capacity for Azure SQL Data Warehouse is now available in 18 additional regions**](https://azure.microsoft.com/en-us/updates/reserved-capacity-for-azure-sql-data-warehouse-now-available-in-additional-18-regions/)**.**Reserved Capacity enables customers to receive a discount over pay-as-you-go pricing when they make a prepayment for SQL Data Warehouse capacity. These prepayments allow customers to choose between a 1-year or 3-year option that provides up to 37% or 65% savings, respectively.  [**Azure NetApp Files is now available in three new regions**](https://azure.microsoft.com/en-us/updates/azure-netapp-files-is-now-available-in-three-new-regions/)**.**A fully managed cloud service with full Azure portal integration, allowing you to seamlessly migrate and run applications in the cloud, is now available in three new regions: Central US, Australia East, and South East Asia.  [**Azure Stream Analytics now offers native support for Apache Parquet format**](https://azure.microsoft.com/en-us/updates/azure-stream-analytics-now-offers-native-support-for-apache-parquet-format/) when writing to Azure Blob storage. Apache Parquet is a columnar storage format tailored for bulk processing and query processing in the big data ecosystems. | | Azure Serverless and App Dev Services | | [**Python support in Azure Functions is now generally available**](https://azure.microsoft.com/en-us/blog/announcing-the-general-availability-of-python-support-in-azure-functions/)**,** allowing customers to build production workloads with serverless functions using Python 3.6, and take advantage of the productive programming model and world-class development experience of Azure Functions—including VS Code integration and CI/CD through Azure Pipelines.  [**Azure Functions Consumption plan for Linux is now generally available**](https://azure.microsoft.com/en-us/blog/announcing-the-general-availability-of-python-support-in-azure-functions/)for hosting Linux-based applications. Production workloads with affinity to Linux hosting can now run in the Consumption plan and take advantage of dynamic event-driven scale, with enhancements that include support for managed identities and integrated server-side build to streamline dependency management.  [**Azure DevTest Labs RDP Gateway Support**](https://azure.microsoft.com/en-us/updates/azure-devtest-labs-configure-your-lab-to-use-a-remote-desktop-gateway/) can now configure remote desktop gateway for your lab to ensure secure access to your virtual machines without having to expose the RDP port.  [**Azure Lab Services support for Ubuntu Images**](https://azure.microsoft.com/en-us/updates/azure-lab-services-ability-to-reset-passwords-and-support-for-ubuntu-images-has-been-added/)**.** Previously, Ubuntu VMs required students to set a password on the first sign in which Azure Lab Services could not support. Now, it’s possible to create labs with Ubuntu images.  [**DevTest Labs Shared Version Image**](https://azure.microsoft.com/en-us/updates/create-virtual-machines-vms-using-an-earlier-shared-image-version/) enables the creation of virtual machines from a previous version with a shared image gallery. This enables you to revert to an earlier version of the image in case the latest one has errors and doesn’t work as expected.  [**Azure Lab Services Student UI**](https://azure.microsoft.com/en-us/updates/azure-lab-services-has-an-updated-ui-experience-for-students/) has several key improvements, such as a cleaner visual look, Windows/Linux icons for labs based on the operating system, and updated colors for the usage hours progress bar to provide a clearer current consumption view.  [**Azure Lab Services GPU Virtual Machine Sizes**](https://azure.microsoft.com/en-us/updates/azure-lab-services-now-supports-new-gpu-virtual-machine-sizes/)now supports two new 6-core GPU Virtual Machine sizes available in US, North Europe, and West Europe regions: Small GPU (Compute, 6 cores, 56 GB of RAM, 139 Lab units), and Small GPU (Visualization, 6 cores, 56 GB of RAM, 160 Lab units).  [**Updates to Azure DevOps and App Service improvements**](https://azure.microsoft.com/en-us/updates/rollup-on-backlogs-and-azure-app-service-deployment-improvements/) let you track progress across work item hierarchies (for example, epics/features/user stories). We also added multiple improvements for deploying Azure App Service apps across Azure Boards, Azure Repos, Azure Artifacts, Azure Pipelines, and reporting. | | Azure AI | | [**Azure Search is now available on the Azure Government cloud**](https://azure.microsoft.com/en-us/updates/azure-search-is-now-integrated-with-the-azure-government-cloud/)**,** enabling US public sector customers to create sophisticated search solutions.  [**Azure Cognitive Services Text Analytics – New sentiment analysis capability is now generally available**](https://azure.microsoft.com/en-us/updates/sentiment-v3-preview-updates/)supporting Japanese and Simplified Chinese languages in addition to the previously announced English language model. The three sentiment analysis V3 models are now available in the following regions: Australia East, Central Canada, Central US, East Asia, East US, East US 2, North Europe, Southeast Asia, South Central US, UK South, West Europe, and West US 2.  Azure IoT | | [**Azure IoT Hub manual failover is now available**](https://azure.microsoft.com/en-us/updates/azure-iot-hub-manual-failover-now-available/)to allow customers to failover their hub's operations from a primary region to the corresponding Azure geo-paired region. Manual failover can be done in the event of a regional disaster, an extended service outage, or a planned failover to test disaster recovery capabilities. The manual failover feature is offered to customers at no additional cost. | | Azure Datacenter | | **Microsoft Azure available from new cloud regions in** [**Germany**](https://azure.microsoft.com/en-us/blog/microsoft-azure-available-from-new-cloud-regions-in-germany/) **and** [**Switzerland**](https://azure.microsoft.com/en-us/blog/microsoft-azure-available-from-new-cloud-regions-in-switzerland/)**:**These new regions and our ongoing global expansion are in response to customer demand as more industry leaders choose Microsoft’s cloud services to further their digital transformations. As we enter new markets, we work to address scenarios where data residency is critically important, especially for highly regulated industries seeking the compliance standards and extensive security Azure offers.  Quantum Computing (future of Azure capability) | | [**Azure Kinect DK is now generally available in the United States and China**](https://azure.microsoft.com/en-us/updates/azure-kinect-dk-is-now-generally-available-in-the-united-states-and-china/)**:**Azure Kinect DK is a developer kit with advanced artificial intelligence (AI) sensors for building sophisticated computer vision and speech models. Designed for versatility, it combines a best-in-class depth sensor and spatial microphone array with a video camera and orientation sensor, along with multiple modes, options, and SDKs.  Azure PlayFab (gaming) | | [**PlayFab Explorer,**](https://docs.microsoft.com/en-us/gaming/playfab/features/insights/explorer/) an integrated Game Manager experience that allows direct data access to events for ad hoc queries, is now available.  [**WriteTelemetryEvents API**](https://docs.microsoft.com/en-us/rest/api/playfab/events/playstream-events/writetelemetryevents?view=playfab-rest)sends batches of events to PlayFab Explorer, bypassing PlayStream to increase scale and reduce costs.  [**Party C++ SDKs are now available for more platforms**](https://blog.playfab.com/blog/playfab-roadmap-update)**:** Party C++ SDKs are now available for PC, Xbox, iOS, Android, Nintendo Switch, and Sony PlayStation, so you can connect players with low-latency networking and chat anywhere.  [**Secure Game Center authentication**](https://blog.playfab.com/blog/playfab-roadmap-update)allows you to authenticate players on iOS devices using their GameCenter credentials securely.  [**New Push Template APIs**](https://blog.playfab.com/blog/playfab-roadmap-update)enable you to Delete, Create, Save, and Send Push Notification Templates. | | Surface | | [**Surface Hub 2S**](https://www.microsoft.com/en-us/surface/business/surface-hub-2) started shipping to business customers in markets around the world. Surface Hub 2S is a large screen all-in-one digital whiteboard, online meetings platform, and collaborative computing device that brings the power of Windows 10 and Office 365 to teamwork. | | Gaming | | [***Gears 5***](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fgames%2Fgears-5&data=02%7C01%7Csglass%40microsoft.com%7C3bd4fb18145c487dec2008d753e624eb%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070120249741794&sdata=WOVFhebRZCN6WhY4IDN1nq6ynQCwwTnOw7hZUfDZ6%2FY%3D&reserved=0) launched globally on Xbox One and Windows 10. Described as “one of the best and most versatile action-game packages in recent memory” by IGN, *Gears 5* attracted more than three million players in its opening weekend and set new records for Xbox Game Pass with the biggest launch week of any Xbox Game Studios title this generation. On PC, *Gears 5* nearly tripled the performance of its predecessor, becoming the biggest-ever launch for Xbox Game Pass for PC, and Xbox Game Studios’ best-ever debut on Steam.    [**Xbox One X *Gears 5* Limited Edition Bundle**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fxbox-one%2Fconsoles%2Fxbox-one-x%2Fgears-5-1tb-le&data=02%7C01%7Csglass%40microsoft.com%7C3bd4fb18145c487dec2008d753e624eb%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070120249751750&sdata=ujABq6xVWLhsXlSbfRc49TnCrQnYqdUEAhm28rIK5qk%3D&reserved=0)**.** Coinciding with the launch of *Gears 5*, the Xbox One X *Gears 5* Limited Edition bundle launched globally and brought the Gears universe to life with a console featuring the Crimson omen immersed in ice and snow. The bundle features a full-game download of *Gears of War Ultimate Edition*, full-game downloads of *Gears of War 2, Gears of War 3,* and *Gears of War 4*, the Xbox Wireless Controller – Kait Diaz Limited Edition, and 1-month memberships to Xbox Game Pass and Xbox Live Gold along with in-game Ice Kait and Ice Jack Character Skins.    [**Xbox One X *Forza Horizon 4* LEGO Speed Champions**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fxbox-one%2Fconsoles%2Fxbox-one-x%2Fforza-horizon-4-legos-1tb&data=02%7C01%7Csglass%40microsoft.com%7C3bd4fb18145c487dec2008d753e624eb%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070120249751750&sdata=Qg0rlZnXd5ylrUgPVokf0I4YvLovYPXzk3eQMyvWIqM%3D&reserved=0) bundle launched, in which players can bring their Master Builder dreams to life. Experience a shared and expansive open world in *Forza Horizon 4* and the LEGO Speed Champions expansion. Explore Great Britain and a wonderous new LEGO Valley, fill the garage with an incredible array of Speed Champion cars, and collect Bricks to construct the ultimate Master Builder’s house for all the racing machines. The Xbox One X *Forza Horizon 4 LEGO* Speed Champions bundle includes a full-game download of *Forza Horizon 4* with the LEGO Speed Champions add-on, 1-month memberships to Xbox Game Pass and Xbox Live Gold, and more. The *Forza Horizon 4* LEGO Speed Champions bundle also launched with the [Xbox One S](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fxbox-one%2Fconsoles%2Fxbox-one-s%2Fforza-horizon-4-legos-1tb&data=02%7C01%7Csglass%40microsoft.com%7C3bd4fb18145c487dec2008d753e624eb%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070120249761707&sdata=7og5C1Mx%2BSjaZiJybCZaRGF3j%2BWicKun%2BCciftfaS2M%3D&reserved=0) for an additional price option to join in on the *Forza Horizon 4* and LEGO Speed Champions fun.    [**July 2019 Xbox Update**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnews.xbox.com%2Fen-us%2F2019%2F07%2F08%2Fjuly-2019-xbox-update-rolling-out-today%2F&data=02%7C01%7Csglass%40microsoft.com%7C3bd4fb18145c487dec2008d753e624eb%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637070120249761707&sdata=e2AkO57ZYg6Z2haFO4JRerhylY2eYIy5uhL2Gdv1ZPI%3D&reserved=0)**.** New system updates for Xbox released, which included new ways to interact with Xbox Game Pass, additional countries for Xbox Skill for Alexa, and new Xbox Skill for Alexa voice commands. Xbox Game Pass rolled out the Play later feature, which enables players to manage a list of games from the catalog via their console of the Game Pass mobile app that they can come back to, making it easier for players to find their next game. The update also expanded Xbox Skill for Alexa to customers in Australia, Canada, France, Germany, Italy, Mexico, and Spain, as well as enabled new voice commands to find out what’s new to Xbox Game Pass, simply by asking Alexa. | | Microsoft Search, Advertising, and News | | [**Bing Webmaster Tools**](https://blogs.bing.com/webmaster/september-2019/Import-sites-from-Search-Console-to-Bing-Webmaster-Tools) allow webmasters to import their verified sites from Google Search Console into Bing Webmaster Tools. The imported sites will be auto-verified, thus eliminating the need to verify manually. | | © Copyright Microsoft Corporation. All rights reserved. | |
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