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| |  | | --- | | MICROSOFT QUARTERLY HIGHLIGHTS, PRODUCT RELEASES, AND ENHANCEMENTS  Q3 FY19 | | MICROSOFT QUARTERLY HIGHLIGHTS, PRODUCT RELEASES, AND ENHANCEMENTS  Q3 FY19 | |  | | 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 | | [**Office in Mac Store**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/01/24/office-365-for-mac-is-available-in-the-mac-app-store/)**.**Office 365 is available on the newly redesigned Mac App Store. Mac users can download the cloud-connected, always-up-to-date version of the Office Suite—including full installs of Word, Excel, PowerPoint, Outlook, OneNote and OneDrive.    [**Insert data from a picture into Excel**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/02/28/new-to-microsoft-365-in-february-advance-security-and-empower-a-modern-workplace/)**.** Using the Excel app, a user can take a picture of a printed data table with an Android device and automatically convert the picture into a fully editable table in Excel. This new image recognition functionality eliminates the need to manually enter hardcopy data.  [**3D embedded animations come to Mac**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/03/28/new-to-microsoft-365-in-march-tools-to-enable-teamwork-and-enhance-security-in-the-workplace/)in Word, Excel and PowerPoint that allow for more nuanced movements within the 3D models like a bird flapping its wings or an astronaut waving. | | Microsoft Teams | | [Microsoft Teams customizable mobile experiences](https://www.microsoft.com/en-us/microsoft-365/blog/2019/01/09/3-new-ways-microsoft-teams-empowers-firstline-workers-to-achieve-more/):  * New mobile features for Teams on mobile includes a unified chat and channel experience, location sharing, record and share audio messages, and a smart camera that includes using Office Lens to optimize a photo, making it easier to read and clearer to consume, but not storing it locally on the device. * The ability for Firstline Workers to customize their navigation bar. * A Firstline Worker app-setup policy, where IT admins can apply a prepackaged policy or create a custom policy to give their employees role-based access to the Teams modules they need. The mobile experience is customizable to provide Firstline Workers and IT the ability to choose the most relevant capabilities for their work.   [**Microsoft Teams for Firstline Workers capabilities**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/01/09/3-new-ways-microsoft-teams-empowers-firstline-workers-to-achieve-more/)   * **Shifts** — The schedule management tool in Teams helps managers create and edit shift schedules, approve/deny time-off requests, leverage integrations with workforce management systems, and share real-time updates with their team. Team members can access their schedule, swap shifts, offer up shifts, and request time off, all from their mobile device. * **Graph API for Shifts** — Organizations can integrate their workforce management system with Teams by leveraging Graph API for Shifts. * **Praise** — This employee recognition tool in Teams enables managers and team members to acknowledge individuals.     [**Automatically access Microsoft Teams in new installs of Office 365 ProPlus**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/03/21/helping-it-reduce-costs-increase-security-boost-employee-productivity/)**.** Microsoft Teams is now installed with Office 365 ProPlus on PCs and Macs, along with other apps such as Word, PowerPoint and Excel.  [**Microsoft Teams with Data Loss Prevention**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/03/19/microsoft-teams-experiences-intelligent-workplace/)**.** Data Loss Prevention (DLP) in Teams enables you to identify, monitor and automatically protect sensitive information. With DLP, you can create policies directly from the Office 365 Security & Compliance Center to prevent sensitive information — credit card numbers, social security numbers or health records — from being shared or leaking unintentionally. Policies will apply to messages shared in private chat and in channel conversations. | | Windows | | [**New revenue share model for Microsoft Store**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblogs.windows.com%2Fbuildingapps%2F2019%2F03%2F06%2Fupdated-microsoft-store-app-developer-agreement-new-revenue-share%2F&data=02%7C01%7Crday%40microsoft.com%7Cb292e94668734ff6091308d6b20081a3%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636892112572935544&sdata=Bl5veB%2BqPjtBWbyGPbBFaHlIoKyyZ4b%2FRrTbouU1vrw%3D&reserved=0)**.**Changes to the fee structure now deliver up to 95% of revenue back to consumer app developers when they instrument their referring traffic to the Microsoft Store. The new fee structure is applicable to app purchases made on all Windows 10 PCs, Windows Mixed Reality, Windows 10 Mobile and Surface Hub devices. The new fee structure excludes all games and any purchases on Xbox consoles.  [**Microsoft Defender ATP’s Endpoint Detection & Response (EDR) capability for Windows 7 and Windows 8.**](https://techcommunity.microsoft.com/t5/Windows-Defender-ATP/Windows-Defender-ATP-s-EDR-capability-for-Windows-7-and-Windows/ba-p/355535)**1.**To help customers stay secure while upgrading to Windows 10, we’ve built an EDR solution for Windows 7 and Windows 8.1 that provides behavioral-based threat detection, investigation, and response capabilities.  [**Microsoft Defender ATP for Windows 7 and Windows 8.1**](https://techcommunity.microsoft.com/t5/Windows-Defender-ATP/Windows-Defender-ATP-s-EDR-capability-for-Windows-7-and-Windows/ba-p/355535) provides deep visibility into activities that are happening on endpoints, including process, file, network, registry, and memory activities, providing security teams with rich, correlated insights into activities and threats happening on older versions of Windows.  [**Desktop App Assure**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/01/14/2019-is-the-year-to-make-the-shift-to-a-modern-desktop/)**.** The Desktop App Assure FastTrack service, designed to address issues with Windows 10 and Office 365 ProPlus app compatibility, became available worldwide in ten languages: English, Japanese, Chinese (simplified and traditional), German, Spanish, Korean, French, Portuguese (BR), and Italian. | | Microsoft 365 Security | | [**Microsoft Defender ATP Incidents narrate the end-to-end attack story**](https://techcommunity.microsoft.com/t5/Windows-Defender-ATP/New-Windows-Defender-ATP-Incidents-narrate-the-end-to-end-attack/ba-p/282666?collapse_discussion=true&page=2&q=defender&search_type=thread)**. Incidents** brings together all relevant alerts and related entities to narrate the broader attack story, giving analysts better perspective on the purview of complex threats. The Incident queue in Microsoft Defender ATP provides security teams with a higher fidelity, lower noise, and a more comprehensive entry point to attack investigations, effectively reducing load and effort required to investigate and respond to attacks.  [**Manual sensitivity labeling in Word, PowerPoint and Excel on Android**](https://techcommunity.microsoft.com/t5/Security-Privacy-and-Compliance/New-labeling-capabilities-in-Office-apps-helps-you-protect/ba-p/325771) provides the ability to manually apply Microsoft Information Protection sensitivity labels within the Office 365 versions of Word, PowerPoint and Excel.  [**Microsoft Cloud App Security integrates with Microsoft Defender ATP**](http://www.aka.ms/mcasandwdatp)to enhance the Discovery of Shadow IT. Our CASB leverages the traffic information collected by Microsoft Defender ATP, no matter which network users are accessing cloud apps from. This doesn’t require any additional deployment and gives admins a more complete view of cloud app and services usage in their organization.  **Azure Active Directory (AD) - Integration with Workday®** automates [inbound user provisioning from Workday to on-premises Active Directory and Azure AD](https://docs.microsoft.com/en-us/azure/active-directory/saas-apps/workday-inbound-tutorial). With pre-built cloud-based integration of Azure AD with the Workday HCM suite, you can:   * Securely tap into workforce identity and organization data present in Workday. * Implement end-to-end identity lifecycle management covering the entire spectrum of Joiner-Mover-Leaver scenarios using Workday as the “system of record.” * Eliminate the need for using flat files or custom scripts to sync employee data. | | Microsoft 365 | | [**Microsoft 365 admin center**](https://techcommunity.microsoft.com/t5/Microsoft-365-Blog/The-new-Microsoft-365-admin-center-available-today/ba-p/377870) is the single entry point for managing Microsoft 365 services, giving admins quick access to the data and tasks they use the most, with the ability to dive deep in specialist workspaces like security and device management. The admin center includes new features like guided setup and optimization experiences, improved groups management, and multifactor authentication (MFA).  [**Live and on-demand events in Microsoft 365**](https://www.microsoft.com/en-us/microsoft-365/blog/2019/03/19/microsoft-teams-experiences-intelligent-workplace/) gives organizations an easy way to create broadcasts that deliver compelling communications to employees, customers and partners. Events use video and interactive discussion across Microsoft Teams, Microsoft Stream, or Yammer and can be as simple or as sophisticated as needed. Up to 10,000 attendees can participate in real time from anywhere, on any device, or catch up later with powerful AI features that unlock the content of the event recording. The on-demand experience includes: a speaker timeline so you can easily find a particular speaker in the video, speech-to-text transcription, timecoding, and transcript search, which helps to navigate to the moments that matter in a recording. And autogenerated closed captions make the event more accessible to all.  [**Microsoft** **Power Platform updates for Microsoft 365 Government GCC**](https://cloudblogs.microsoft.com/industry-blog/government/2019/03/13/announcing-power-platform-and-dynamics-365-updates-for-microsoft-government-cloud/)**.** PowerApps US Government and Microsoft Flow US Government and Power BI for Government are now generally available. | | Dynamics 365 | | **Dynamics 365 for Finance and Operations** made significant advances and improved usability of the Global Tax Engine with the expansion of regional coverage of the Regulatory Configuration Service, which enables customers to modify regulatory reports, e-invoices, payment formats and tax rules that are frequently impacted by changing legal requirements. In addition, we released [cash flow management for legal entities operating in Russia](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fdynamics365%2Funified-operations%2Ffinancials%2Flocalizations%2Frus-cash-flow&data=02%7C01%7Csglass%40microsoft.com%7C1b991791450d4418314408d6c3c6a9a1%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636911655386341020&sdata=DZ3MRV4nUKlGiqMPniSRz78dk7BGYwwDBBMMNCIWvF4%3D&reserved=0) to enable monitoring of liquidity and cash movements across companies.  **Dynamics 365 for Customer Service** delivered significant enhancements to help customer support agents focus on the most important details of customer cases even while presenting information-dense forms. This helps ensure case resolution is faster and more efficient. | | LinkedIn | | [**Adobe, Microsoft and LinkedIn join forces to accelerate account-based marketing**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fmarketing-solutions%2Fblog%2Flinkedin-news%2F2019%2Fadobe--microsoft--and-linkedin-join-forces-to-accelerate-account&data=02%7C01%7Csglass%40microsoft.com%7Ccaca4c726019441d7bad08d6c4fd0a73%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636912988409819650&sdata=%2BgPQ4dZD%2Fnrz1DtH3xd1QkejRWK7WxIlu6nE4mJDu7w%3D&reserved=0) to give marketers a more efficient pathway to reach their prospects and customers by identifying and targeting the right audiences on LinkedIn with meaningful content.  [**Interest targeting**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fmarketing-solutions%2Fblog%2Flinkedin-news%2F2019%2Fintroducing-interest-targeting&data=02%7C01%7Csglass%40microsoft.com%7Ccaca4c726019441d7bad08d6c4fd0a73%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636912988409829606&sdata=71BBr7XIfzm9MaAiNATT%2F1Kqke1U4LM1xiaCYYbwYbs%3D&reserved=0) lets advertisers reach members with relevant ads that match their professional interests — based on the content the members share and engage with on LinkedIn.  [**LinkedIn Talent Insights**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Ftalent-solutions%2Fblog%2Fproduct-updates%2F2019%2Flinkedin-talent-insights-staffing-firms&data=02%7C01%7Csglass%40microsoft.com%7Ccaca4c726019441d7bad08d6c4fd0a73%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636912988409829606&sdata=WfzonM0wAirGRHsFYU4wJ4130jpmA0KpQWTOksZvXe0%3D&reserved=0)provides firms with real-time, actionable insights that will help them source more effectively, deepen relationships with clients, and build their businesses more strategically.  [**Instant job notifications**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Ffebruary%2Fdiscover-quick-helpful-insights-on-your-job-search&data=02%7C01%7Csglass%40microsoft.com%7Ccaca4c726019441d7bad08d6c4fd0a73%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636912988409839561&sdata=Uvr1LlMYdn5BhLy1vi6z4k23rnCSNq%2BBBeCH4dasFX8%3D&reserved=0)is a new mobile push notification to members who are actively looking for a new opportunity as soon as new jobs are posted.  [**Personalized insights**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Ffebruary%2F26%2Fintroducing-new-job-insights-that-can-help-unlock-a-higher-salary&data=02%7C01%7Csglass%40microsoft.com%7Ccaca4c726019441d7bad08d6c4fd0a73%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636912988409849516&sdata=ISmWALU9Q64Xnq75r%2BgXWq57n1nOARCbFKchsUwMZL4%3D&reserved=0)allows members to receive personalized insights to jobs with higher salary potential.  **[LinkedIn Campaign Manager](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Ftalent-solutions%2Fblog%2Fproduct-updates%2F2019%2Flinkedins-redesigned-campaign-manager&data=02%7C01%7Csglass%40microsoft.com%7C999c46127bb3493be95208d6bfc17b13%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636907235043371540&sdata=fba%2BdT%2Fe345N8xM3SPBaGUM%2Bh4Cx8qks6%2BYRhR%2BAjTM%3D&reserved=0)** has been redesigned to enable objective-based advertising.  [**Three new targeting offerings**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbusiness.linkedin.com%2Fmarketing-solutions%2Fblog%2Flinkedin-news%2F2019%2Ftargeting-on-linkedin-just-got-more-powerful&data=02%7C01%7Csglass%40microsoft.com%7C999c46127bb3493be95208d6bfc17b13%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636907235043381494&sdata=jR%2FzSP9HDoeYuxk1cH1term0xekYGYj8VJxAa8OpqHw%3D&reserved=0) in LinkedIn Campaign Manager include: lookalike audiences, audience templates, and interest targeting with Bing data. These features are designed to increase the scale of marketing efforts and improve ROI.  [**New features in LinkedIn Messenger**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.linkedin.com%2F2019%2Fmarch%2F21%2Fsetting-up-meetings-just-got-easier-with-new-features-in-linkedin-messenger&data=02%7C01%7Csglass%40microsoft.com%7Ccaca4c726019441d7bad08d6c4fd0a73%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636912988409869437&sdata=fzQTwUZLw6e5mIWMBWw1l3NI2b5ylPYkNip1FBDvjWU%3D&reserved=0) make it easy to schedule meetings: a calendar functionality so you can see/share your availability, and a map feature to find/share locations to meet.  [**Help wanted**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.linkedin.com%2Fprofinder%2Fblog%2Fhelp-candidates-apply-for-jobs-on-the-go&data=02%7C01%7Csglass%40microsoft.com%7C999c46127bb3493be95208d6bfc17b13%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636907235043391451&sdata=Lh0btv3kM4Sl1MTRAHEXIPstpTcbtPJhY8RmSbQnktA%3D&reserved=0)is a new feature that lets candidates know you are hiring with a “help wanted” sign, targeted towards SMBs. | | 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 Data Box Edge**](https://azure.microsoft.com/en-us/blog/azure-data-box-family-meets-customers-at-the-edge/) is an AI-enabled edge computing appliance that processes and transfers data to Azure over a network in real time. It features natively integrated FPGA to accelerate machine learning inferencing at the edge. The size and portability allow you to run Azure Data Box Edge close to where your data is being generated by users or apps. It’s a first-party Microsoft appliance that you can manage through Azure. For more info, please visit [here](https://azure.microsoft.com/en-us/services/databox/edge/).  [**Azure Stack HCI**](https://azure.microsoft.com/en-us/blog/announcing-azure-stack-hci-a-new-member-of-the-azure-stack-family/)is Microsoft’s hyperconverged solution for customers that wish to run virtual machines on-premises and at the edge with existing IT skills and tools. This solution easily extends to Azure for hybrid capabilities such as backup, site recovery, storage, cloud-based monitoring and more. [Learn more.](https://azure.microsoft.com/en-us/overview/azure-stack/hci/) | | Azure Security and Management | | [**Azure Cost Management for enterprise agreements**](https://azure.microsoft.com/en-us/blog/azure-cost-management-now-general-availability-for-enterprise-agreements-and-more/) **helps organizations plan with cost in mind. It also helps companies analyze costs effectively and take action to optimize cloud spending, and is now generally available for enterprise agreements.** [More info](https://azure.microsoft.com/en-us/blog/azure-cost-management-now-general-availability-for-enterprise-agreements-and-more/).  [**Azure Backup for SQL Server**](https://azure.microsoft.com/en-us/blog/azure-backup-for-sql-server-in-azure-virtual-machines-now-generally-available/) **is an enterprise-scale, zero-infrastructure solution that eliminates the need to deploy and manage backup infrastructure while providing a simple and consistent experience to centrally manage and monitor the backups on standalone SQL instances and Always On Availability Groups.** [More info](https://azure.microsoft.com/en-us/blog/azure-backup-for-sql-server-in-azure-virtual-machines-now-generally-available/). | | Azure Data | | **Azure SQL Database**  [**More granular compute levels added to vCore-based Azure SQL databases and elastic pools**](https://docs.microsoft.com/en-us/azure/sql-database/sql-database-service-tiers-vcore)**.** The range of available compute resources for [vCore-based](https://docs.microsoft.com/en-us/azure/sql-database/sql-database-service-tiers-vcore) elastic pools and single databases has been expanded within the General Purpose, Business Critical and Hyperscale service tiers. This reflects our commitment to provide more flexibility and choice when converting DTU-based deployments and right-sizing workloads for the cloud. To see the new options and how you can save more on your monthly bill with reserved capacity pricing and Azure Hybrid Benefit, visit our [pricing page](https://azure.microsoft.com/en-us/pricing/details/sql-database/single/).  [**Resumable Online Index Create for Azure SQL Database**](https://azure.microsoft.com/en-us/blog/resumable-online-index-create-is-in-public-preview-for-azure-sql-db/) allows the ability to pause an index create operation and resume it later from where the index create operation was paused or failed. With this release we extend the resumable functionality, adding this feature to available [Resumable Online Index Rebuild](https://azure.microsoft.com/en-us/blog/modernize-index-maintenance-with-resumable-online-index-rebuild/).  **Azure Database for MySQL, PostgreSQL, and MariaDB**  [**Virtual network service endpoints for Azure Database for MariaDB**](https://azure.microsoft.com/en-us/services/mariadb/)are accessible in all [available regions](https://azure.microsoft.com/global-infrastructure/services/?products=mariadb&regions=all). Virtual network service endpoints allow you to isolate connectivity to your logical server from only a given subnet or set of subnets within your virtual network. Traffic to Azure Database for MariaDB from the virtual network service endpoints stays within the Azure network, preferring this direct route over any specific routes that take internet traffic through virtual appliances or on-premises.  **New compute options Azure Database for MySQL and PostgreSQL.** Microsoft’s open source database services, [Azure Database for MySQL](https://azure.microsoft.com/en-us/services/mysql/) and [Azure Database for PostgreSQL](https://azure.microsoft.com/en-us/services/postgresql/), now provide users with the ability to scale up compute to 64 vCores in the General Purpose pricing tiers and to 32 vCores in the Memory Optimized tiers. With the general availability release of this increase in compute, Azure Database for MySQL and Azure Database for PostgreSQL can support even larger workloads, which in turn helps users to better accommodate future growth.    [**Azure Database for MySQL**](https://azure.microsoft.com/en-us/services/mysql/)now supports continuous asynchronous replication of data from one Azure Database for MySQL server (“master”) to up to five Azure Database for MySQL servers (“replicas”) in the same region. This allows read-heavy workloads to scale beyond the capacity constraints of one Azure Database for MySQL server and be balanced across replica servers according to users’ preference. Replica servers are read-only except for writes 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.  **Instantly provision GraphQL on Azure with Hasura and Azure Database for PostgreSQL.** [Azure Database for PostgreSQL](https://azure.microsoft.com/en-us/services/postgresql/) users can now take advantage of the [Hasura GraphQL Engine](https://azure.microsoft.com/en-us/blog/use-graphql-with-hasura-and-azure-database-for-postgresql/), a lightweight, high-performance open source product that instantly provides a real-time GraphQL API on a Postgres database. With the GraphQL Engine’s admin UI, users can explore their GraphQL APIs and manage their database schemas and data. In addition, the GraphQL Engine also allows users to write custom resolvers with schema-stitching and to integrate serverless functions or microservice APIs that get triggered on database events.  **TimescaleDB support in Azure Database for PostgreSQL to power IoT and time-series workloads.** Our partnership with [Timescale](https://www.timescale.com/) introduces support for [TimescaleDB](https://github.com/timescale/timescaledb) in [Azure Database for PostgreSQL](https://aka.ms/postgresql). With the TimescaleDB extension, developers can continue to use PostgreSQL while leveraging TimescaleDB to scale for time-series workloads. Enabling the TimescaleDB extension on your new or existing Azure Database for PostgreSQL server will eliminate the need to run two databases to collect your relational and time-series data. [Learn more](https://azure.microsoft.com/en-us/blog/power-iot-and-time-series-workloads-with-timescaledb-for-azure-database-for-postgresql/).  **Gen5 hardware for Azure Database for MySQL and Azure Database for PostgreSQL.** Customers using [Azure Database for MySQL](https://aka.ms/mysql) or [Azure Database for PostgreSQL](https://aka.ms/postgresql) can now provision servers using generation 5 (Gen5) hardware, which is generally available in all regions, including Brazil South, Canada Central, Canada East, East Asia, East U.S. 2, Central India, West India, Japan West, North Central U.S., and West U.S. Generation 4 (Gen4) servers in these regions will be upgraded to Gen5 during February 2019. After completion of these upgrades, customers will only be able to provision servers based on Gen5 hardware.  **Azure Database Migration Service**  **Support for MySQL to Azure Database for MySQL online migrations.** Users can now access generally available functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) to migrate MySQL databases hosted on-premises, on a virtual machine or on Amazon RDS for MySQL to Azure Database for MySQL while the source database remains online during migration. For more information about how to use the Azure Database Migration Service to perform online migrations with minimal downtime, read the tutorial article [Migrate MySQL to Azure SQL Database for MySQL online using DMS](https://docs.microsoft.com/azure/dms/tutorial-mysql-azure-mysql-online).  **Support for PostgreSQL to Azure Database for PostgreSQL online migrations.** Users can now access generally available functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) to migrate PostgreSQL databases hosted on-premises, on a virtual machine, or on Amazon RDS for PostgreSQL to Azure Database for PostgreSQL while the source database remains online during migration. To learn more about how to use the Azure Database Migration Service to perform online migrations with minimal downtime, read the tutorial article [Migrate PostgreSQL to Azure SQL Database for PostgreSQL online using DMS](https://docs.microsoft.com/en-us/azure/dms/tutorial-postgresql-azure-postgresql-online).  **Support for SQL to Azure SQL Database online migrations.** Users can now migrate SQL Server databases to Azure SQL Database with minimal downtime by using functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) (DMS). Learn how to use the Azure DMS to perform online migrations from SQL Server on-premises or on virtual machines to Azure SQL Database with minimal downtime by reading the tutorial article [Migrate SQL Server to Azure SQL Database managed instance online using DMS](https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-managed-instance-online).  **Support for Amazon RDS for MySQL to Azure Database for MySQL online migrations.** Users can now access functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) (DMS) to migrate Amazon RDS for MySQL to Azure Database for MySQL while the source database remains online during migration. For more information about how to use Azure DMS to perform online migrations with minimal downtime, read the tutorial article [Migrate MySQL to Azure Database for MySQL online using DMS](https://docs.microsoft.com/en-us/azure/dms/tutorial-mysql-azure-mysql-online).  **Support for Amazon RDS for PostgreSQL to Azure Database for PostgreSQL online migrations.** Users can now access generally available functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) (DMS) to migrate Amazon RDS for PostgreSQL to Azure Database for PostgreSQL while the source database remains online during migration. To learn more about how to use Azure DMS to perform online migrations with minimal downtime, read the tutorial article [Migrate PostgreSQL to Azure SQL Database for PostgreSQL online using DMS](https://docs.microsoft.com/en-us/azure/dms/tutorial-postgresql-azure-postgresql-online).  **Support for Amazon RDS for SQL Server to Azure SQL Database online migrations.** Users can now migrate Amazon RDS for SQL Server to Azure SQL Database with minimal downtime by using generally available functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) (DMS). To learn more about how to use the Azure DMS to perform online migrations from Amazon RDS for SQL Server to Azure SQL Database with minimal downtime, read the tutorial article [Migrate SQL Server to a single database or pooled database in Azure SQL Database online using DMS](https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-azure-sql-online).  **Support for Amazon RDS for SQL Server to Azure SQL Database Managed Instance online migrations.** Users can now migrate Amazon RDS for SQL Server to Azure SQL Database Managed Instance with minimal downtime by using generally available functionality in the [Azure Database Migration Service](https://aka.ms/get-dms) (DMS). To learn more about how to use Azure DMS to perform online migrations from Amazon RDS for SQL Server to Azure SQL Database Managed Instance with minimal downtime, read the associated tutorial article in the [Azure DMS documentation](https://docs.microsoft.com/en-us/azure/dms/).  **Azure Blockchain: updated Hyperledger Fabric template 1.3.** The Azure Blockchain team released an updated deployment template for [Hyperledger Fabric](https://azure.microsoft.com/en-us/blog/hyperledger-fabric-updates-now-available/). This new Azure Resource Manager (ARM) template is available in the [Azure Marketplace](https://aka.ms/hlf-template) and allows developers to configure and deploy a Hyperledger Fabric 1.3 network into their Azure subscriptions with just a few simple clicks. With this template, developers can perform both single-VM (multi-container) development and multi-VM (scale-out) models and connect multi-subscriptions via a private connection. You can also connect Fabric nodes running Azure to nodes running in IBM Bluemix with [guidance.](https://docs.microsoft.com/en-us/azure/blockchain/templates/hyperledger-fabric-consortium-blockchain) Orders are run using full Apache Kafka backend for production quality deployments, and peer nodes can be run using either LevelDB or CouchDB for persistence and to enable analytics. | | Azure Analytics | | [**Azure Data Lake Storage Gen2**](https://azure.microsoft.com/en-us/blog/under-the-hood-performance-scale-security-for-cloud-analytics-with-adls-gen2/) **is a highly scalable and cost-effective data lake solution for big data analytics. It combines the power of a high-performance file system with massive scale and economy to help you speed up your time to insight. Data Lake Storage Gen2 extends Azure Blob Storage capabilities and is optimized for analytics workloads. Data Lake Storage Gen2 is the cloud’s most comprehensive data lake and is available in every Azure region.** [Learn more](https://azure.microsoft.com/en-us/services/storage/data-lake-storage/).  [**Azure Data Explorer**](https://azure.microsoft.com/en-us/services/data-explorer/) **is a fast and highly scalable data analytics service for real-time analysis on large volumes of data streaming from applications, websites, IoT devices and more.** It can quickly identify patterns, anomalies and trends in your data. [Learn more](https://azure.microsoft.com/en-us/services/data-explorer/). | | Azure Serverless and App Dev Services | | [**PlayFab Multiplayer Server**](https://blog.playfab.com/blog/public-preview-of-multiplayer-servers-2-0)brings together the expertise and scalability of PlayFab and Azure to get multiplayer games up and running quickly with cloud compute while you focus on the game.  [**GitHub Enterprise**](https://github.com/enterprise)**.** Microsoft customers have the ability to purchase [GitHub Enterprise](https://nam06.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.github.com%2Fenterprise&data=02%7C01%7Cv-brumc%40microsoft.com%7C7ee98a8fa59945c5d59e08d6b85007a7%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636899051192738185&sdata=M4XB5SsdDc797M3sKVJXsVZTQ4HqGXvXSMvNo0EFcmA%3D&reserved=0) through their enterprise agreements. GitHub Enterprise enables customers to bring GitHub to work and offers flexible deployment options, centralized permissions, and hundreds of integrations that enable you to leverage the best parts of working with GitHub without compromising on the features that your business needs. To learn more, visit the [GitHub Enterprise webpage](https://nam06.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.github.com%2Fenterprise&data=02%7C01%7Cv-brumc%40microsoft.com%7C7ee98a8fa59945c5d59e08d6b85007a7%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636899051192748189&sdata=nunlx1s6ECKjtZVqzNOCPYS9sZjSyD1voRYqN0ekBhw%3D&reserved=0).  [**Azure DevOps Server 2019**](https://azure.microsoft.com/en-us/services/devops/server/)**.** Previously known as Team Foundation Server, Azure DevOps Server 2019 brings the power of Azure DevOps into a customer’s dedicated environment. Customers can install Azure DevOps Server 2019 into any datacenter or sovereign cloud and determine when to apply updates. | | Azure AI | | [**Custom Vision**](https://azure.microsoft.com/en-us/services/cognitive-services/custom-vision-service/) **enables developers to easily develop advanced vision models using only a few images. Developers can train these models for specific scenarios and embed them in applications without requiring any machine learning knowledge.**  [**Data Engineering Light**](https://azure.microsoft.com/en-us/blog/azure-databricks-new-capabilities-at-lower-cost/)**.** Customers can now get started with Azure Databricks with a new low-priced workload called Data Engineering Light that enables customers to run batch applications on managed Apache Spark. It is meant for simple, noncritical workloads that don’t need the performance, autoscaling, and other benefits provided by Data Engineering and Data Analytics workloads. | | Azure IoT | | [**IoT Hub Device Provisioning Service**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fazure.microsoft.com%2Fen-us%2Fblog%2Fnew-year-newly-available-iot-hub-device-provisioning-service-features%2F&data=02%7C01%7Cv-rachki%40microsoft.com%7Cb53b2669c8974fd7e71b08d6bddd701f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905156094398301&sdata=A6N1IVhYJN6MPmS6IivlSD8hDo6yJm8pgqxzdYNCPSs%3D&reserved=0) for Azure offers new features for symmetric key attestation support, re-provisioning support, enrollment-level allocation rules and custom allocation logic. All features are available in all provisioning service regions through the Azure portal and the SDKs (except for the Python SDK).  [**Azure Maps**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fazure.microsoft.com%2Fen-us%2Fblog%2Factuating-mobility-in-the-enterprise-with-new-azure-maps-services-and-sdks%2F&data=02%7C01%7Cv-rachki%40microsoft.com%7Cb53b2669c8974fd7e71b08d6bddd701f%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905156094408306&sdata=203x9Q8I6dfIo5H7Kc2FIvHpLk78VLL1W5pLAzuysqw%3D&reserved=0)is a new service designed with powerful, real-time analytics and seamless cross-screen experiences, fortified by robust security services. These enhanced maps include a stunning set of shaded relief map tiles and an image compositor to make interaction with our maps more useful and powerful. Spatial Operations services offer powerful analytics used by mobility applications and other industries today, as well as a new Android SDK and a Web SDK that equip Azure customers with the tools necessary to make smarter, faster, more informed decisions. Azure Maps is now natively integrated with Azure Active Directory, making access to our services more secure while enabling roles and restrictions for our customers. | | Azure Datacenter | | [**Azure South Africa regions are now available**](https://azure.microsoft.com/en-us/global-infrastructure/southafrica/)**.** Azure services are now available from our new cloud regions in Johannesburg (South Africa North) and Cape Town (South Africa West), South Africa. Delivering cloud services from datacenters in a given geography allows Microsoft to offer scale, availability, and resiliency to companies and organizations while meeting data residency, security, and compliance needs.  [**54 Azure regions announced worldwide**](https://azure.microsoft.com/en-us/global-infrastructure/)**.** With more cloud regions than any other provider, Microsoft’s global cloud infrastructure connects the new regions in South Africa with greater business opportunity, helps accelerate new global investment, and improves access to cloud and internet services across Africa.  [**We’ve expanded our network footprint**](https://azure.microsoft.com/en-us/global-infrastructure/global-network/)**.** With networking investments in Egypt, Kenya, Nigeria and South Africa, Microsoft is bringing the global cloud closer to home for African organizations and citizens through our trans-Arabian paths between India and Europe, as well as our trans-Atlantic systems like Marea. | | Quantum Computing | | [**Microsoft Quantum Network**](https://www.microsoft.com/en-us/quantum/quantum-network)**. At the first Microsoft Quantum Network Startup Summit in February, Microsoft announced the** Microsoft Quantum Network, a **global community of individuals and organizations working directly with Microsoft to advance quantum computing, develop practical applications, and build the quantum workforce of the future. There are 24 partners within the network, spanning startups, universities, customers and public organizations.**  [**Quantum Development Kit update supports Q# in Jupyter Notebooks.**](https://cloudblogs.microsoft.com/quantum/2019/03/27/quantum-development-kit-update-brings-q-to-jupyter-notebooks/) **Q# support for Jupyter Notebooks offers in-place code execution with instructions, notes, and other content supported in academic settings, scientific labs, and online-based collaborative programming. In addition to this update, end-users who are writing their own Notebooks can leverage a set of Jupyter Notebook Q# samples.**  [**Quantum Development Kit Toffoli simulator and resource estimator**](https://cloudblogs.microsoft.com/quantum/2019/03/04/simulators-are-key-for-developing-real-world-quantum-solutions/)**.** To develop, test, debug, and optimize quantum programs, developers can use quantum simulators to test execution of a quantum program on a classical computer and tools that provide insight into a program — before a large-scale quantum computer is available. **The Quantum Development Kit now includes two new tools for developing quantum programs:** a Toffoli simulator and a resource estimator**. The Toffoli simulator can execute a specific set of quantum algorithms that implement classical arithmetic in a coherent superposition. The resource estimator helps developers better understand the memory footprint and overall computational cost that it will take to implement quantum algorithms at scale. These new tools add to the collection of simulators that were already available: a full-state simulator and a trace simulator.** | | Gaming | | [**Crackdown 3 global launch.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fgames%2Fcrackdown-3&data=02%7C01%7Csglass%40microsoft.com%7C4f97e409bb474f40539f08d6be1832fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905408491975848&sdata=5tlt%2FCITo82rA%2BmJ3aE2VD19vgWs4BF9iGGl%2Fv0Qb34%3D&reserved=0) *Crackdown 3* isan action-adventure game developed by Sumo Digital and Elbow Rocket and published by Xbox Game Studios. Its multiplayer mode uses the power of Microsoft Azure to enable fully-destructible battle arenas. The game is available with Xbox Game Pass and globally on Xbox One and Windows 10 PCs.  [**Xbox Game Pass monthly titles releases.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.xbox.com%2Fen-US%2Fxbox-game-pass%2Fgames&data=02%7C01%7Csglass%40microsoft.com%7C4f97e409bb474f40539f08d6be1832fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905408491975848&sdata=Wa0CLUPkdIYFqVdCr39khUTp0ngxaryBUJjKMjsWqVo%3D&reserved=0) The Xbox Game Pass catalog continued to expand with new games added in Q3 including *Crackdown 3, Just Cause 4, LEGO Batman 2, Batman: Return to Arkham, Fallout 4, We Happy Few, Middle-earth: Shadow of Mordor, Ultimate Marvel vs. Capcom 3,* and many more.  [**Introduction of** **Xbox Game Studios.**](https://news.xbox.com/en-us/2019/02/05/introducing-xbox-game-studios/)The name of Microsoft’s game development organization changed from Microsoft Studios to Xbox Game Studios to signify the expansive vision for Xbox as a gaming brand across all devices.  [**Mixer Embers.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.mixer.com%2F2019%2F01%2F11%2Fmixer-embers-available-now%2F&data=02%7C01%7Csglass%40microsoft.com%7C4f97e409bb474f40539f08d6be1832fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905408491975848&sdata=PBl4PADHQde8s8QwW%2Bazm3uclKugdPuef3f8WxoXv7U%3D&reserved=0)Launch of a virtual currency on Mixer that you can purchase and then spend on premium Skills, including animated Stickers and full-screen Effects. For Mixer Partners, Embers provide new monetization opportunities by enabling a more direct form of patronage with bigger cash rewards.  [**Xbox Live SDK for iOS and Android.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdeveloper.microsoft.com%2Fen-us%2Fgames%2Fblog%2Fachieve-more-with-microsoft-game-stack&data=02%7C01%7Csglass%40microsoft.com%7C4f97e409bb474f40539f08d6be1832fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905408491975848&sdata=2bHHY%2BSwEZcx5JjvR5g3%2FoZL6bvgi8TFmtV5gXR44mY%3D&reserved=0)As part of Microsoft Game Stack, Xbox Live expands its cross-platform capabilities starting with an SDK for iOS and Android devices. Specific developer benefits include access to Xbox Live’s trusted game identity; a la carte services for building and updating games; and features such as achievements, Gamerscore, and “hero” stats that provide an out-of-game experience.  [**Xbox One family settings update.**](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fnews.xbox.com%2Fen-us%2F2019%2F02%2F05%2Fsafer-internet-day-2019-safe-gaming-on-xbox%2F&data=02%7C01%7Csglass%40microsoft.com%7C4f97e409bb474f40539f08d6be1832fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905408491975848&sdata=ftqKn2%2B7zwIbxtU90%2FasfbV1zH3vsQDGGACk0SIBW%2F8%3D&reserved=0)Parents or caregivers can now add their e-signature to provide consent for their child to have a Microsoft account, with no credit cards required for verification or a second device.  [**Mixer HypeZone Apex Legends** is](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblog.mixer.com%2F2019%2F03%2F05%2Fget-yourself-into-the-hypezone-champion%2F&data=02%7C01%7Csglass%40microsoft.com%7C4f97e409bb474f40539f08d6be1832fe%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C636905408491975848&sdata=fxQMaqVOkixXQNzZGkjn6f%2BSl1%2FO6rwBaV%2Fbhsaff8w%3D&reserved=0) a partnership with EA and Respawn to release HypeZone, a Mixer-exclusive channel featuring the most exciting gameplay action for game stream viewers for the popular game *Apex Legends.* | | **Bing Search** | | [**Improvements to speech-to-text and visual search**](https://blogs.bing.com/search/2019-03/Bing-delivers-text-to-speech-and-greater-coverage-of-intelligent-answers-and-visual-search)**.** We showcased enhancements to Bing’s text-to-speech, speech-to-text, visual search, and intelligent answers during the NVIDIA GTC 2019 conference during the CEO keynote, highlighting how NVIDIA GPUs enable these advances. | | Microsoft Logo  © Copyright Microsoft Corporation. All rights reserved. | |
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