

NOV. 30 - DEC. 18 & JAN. 12 - 14

Storage

A FREE, 3-WEEK VIRTUAL CONFERENCE

AWS re:Invent:

Announcements for 2020

Container

Now in Preview – Larger and Faster io2 Block Express EBS Volumes with Higher Throughput 100x higher durability and 10x more IOPS/GiB than the earlier io1 volumes. Today we are opening up a preview of io2 Block Express volumes that are designed to deliver even higher performance! https://aws.amazon.com/blogs/aws/now-in-preview-larger-faster-io2-ebs-volumes-with-higher-throughput/ New – Amazon EBS gp3 Volume Lets You Provision Performance Apart From Capacity lets customers increase IOPS and throughput without having to provision additional block storage capacity, paying only for the resources they need. https://aws.amazon.com/blogs/aws/new-amazon-ebs-gp3-volume-lets-you-provision-performance-separate-from-capacity-and-offers-20-lower-price/ Database Want more PostgreSQL? You just might like Babelfish open source Babelfish for PostgreSQL, a SQL Server-compatible end-point for PostgreSQL to make PostgreSQL fluent in understanding communication from apps written for SQL Server https://aws.amazon.com/blogs/opensource/want-more-postgresql-you-just-might-like-babelfish/ New AWS Amplify Admin UI Helps You Develop App Backends, No Cloud Experience Required With Amplify Admin UI, developers can build complex and feature-rich apps by focusing on their domain-specific data model instead of spending hours deploying and stitching together cloud infrastructure. 🔗 Front-End Web & Mobile https://aws.amazon.com/blogs/aws/aws-amplify-admin-ui-helps-you-develop-app-backends-no-cloud-experience-required/ New – Amazon QuickSight Q Answers Natural-Language Questions About Business Data a Natural Language Query (NLQ) feature powered by machine learning (ML). With Q, business users can now use QuickSight to ask questions about their data using everyday language and receive accurate answers in seconds. Analytics https://aws.amazon.com/blogs/aws/amazon-quicksight-q-to-answer-ad-hoc-business-questions/ **Customer Engagement** Amazon Connect – Now Smarter and More Integrated With Third-Party Tools https://aws.amazon.com/blogs/aws/amazon-connect-smarter-and-more-integrated/ AWS Panorama Appliance – Bringing Computer Vision Applications to the Edge allow organizations to bring computer vision to their on-premises cameras and make automated predictions with high accuracy and low latency. https://aws.amazon.com/blogs/aws/using-computer-vision-applications-at-the-edge/ New- Amazon DevOps Guru Helps Identify Application Errors and Fixes https://aws.amazon.com/blogs/aws/amazon-devops-guru-machine-learning-powered-service-identifies-application-errors-and-fixes/ Amazon Lookout for Equipment Analyzes Historical Sensor Data to Help Detect Equipment Failure https://aws.amazon.com/blogs/aws/new-amazon-lookout-for-equipment-analyzes-sensor-data-to-help-detect-equipment-failure/ ML / AI Amazon Lookout for Vision Simplifies Defect Detection for Manufacturing a new machine learning (ML) service that helps customers in industrial environments to detect visual defects on production units and equipment in an easy and cost-effective way. Amazon Monitron is a Simple and Cost-Effective Service Enabling Predictive Maintenance https://aws.amazon.com/blogs/aws/amazon-monitron-a-simple-cost-effective-service-enabling-predictive-maintenance/ Amazon SageMaker Data Wrangler makes it easier for data scientists to prepare their data for machine learning training. https://aws.amazon.com/sagemaker/data-wrangler/

> New – Amazon S3 Replication Adds Support for Multiple Destination Buckets S3 Replication now gives you the ability to replicate data from one source bucket to multiple destination buckets. https://aws.amazon.com/blogs/aws/new-amazon-s3-replication-adds-support-for-multiple-destination-buckets/ Amazon S3 Update – Strong Read-After-Write Consistency https://aws.amazon.com/blogs/aws/amazon-s3-update-strong-read-after-write-consistency/

last updated: 2020-12-03 Preview of AWS Proton – Automated Management for Container and Serverless Deployments a new service that helps you automate and manage infrastructure provisioning and code deployments for serverless and container-based applications. https://aws.amazon.com/blogs/aws/preview-aws-proton-automated-management-for-container-and-serverless-deployments/ Amazon EKS Distro: The Kubernetes Distribution Used by Amazon EKS https://aws.amazon.com/blogs/aws/amazon-eks-distro-the-kubernetes-distribution-used-by-amazon-eks/ Amazon ECS Anywhere Amazon Elastic Container Service (ECS) in your own data center https://aws.amazon.com/blogs/containers/introducing-amazon-ecs-anywhere/ Amazon EKS Anywhere Amazon Elastic Kubernetes Service (EKS) in your own data center, making it easy for you to set up, upgrade, and operate Kubernetes clusters. https://aws.amazon.com/eks/eks-anywhere/ Amazon ECR Public: A New Public Container Registry enabling anyone (with or without an AWS account) to browse and pull your published containers. https://aws.amazon.com/blogs/aws/amazon-ecr-public-a-new-public-container-registry/ AWS Lambda – Functions with Up to 10 GB of Memory and 6 vCPUs This is more than a 3x increase compared to previous limits. Lambda allocates CPU and other resources linearly in proportion to the amount of memory configured. https://aws.amazon.com/blogs/aws/new-for-aws-lambda-functions-with-up-to-10-gb-of-memory-and-6-vcpus/ AWS Lambda – 1ms Billing Granularity Adds Cost Savings Starting today, we are rounding up duration to the nearest millisecond with no minimum execution time. Serverless https://aws.amazon.com/blogs/aws/new-for-aws-lambda-1ms-billing-granularity-adds-cost-savings/ AWS Lambda – Container Image Support You can now package and deploy Lambda functions as container images of up to 10 GB in size. https://aws.amazon.com/blogs/aws/new-for-aws-lambda-container-image-support/ Use Amazon EC2 Mac Instances to Build and Test macOS, iOS, ipadOS, tvOS, and watchOS Apps You can use these instances to create build farms, render farms, and CI/CD farms that target all of the Apple environments https://aws.amazon.com/blogs/aws/new-use-mac-instances-to-build-test-macos-ios-ipados-tvos-and-watchos-apps/ Coming Soon – Amazon EC2 G4ad Instances Featuring AMD GPUs for Graphics Workloads to improve performance and reduce cost for graphics-intensive workloads https://aws.amazon.com/blogs/aws/new-amazon-ec2-g4ad-instances-featuring-amd-gpus-for-graphics-workloads/ Compute Coming Soon — New EC2 C6gn Instances – 100 Gbps Networking with AWS Graviton2 Processors Compared to C6g instances, this new instance type provides 4x higher network bandwidth, 4x higher packet processing performance, and 2x higher EBS bandwidth. https://aws.amazon.com/blogs/aws/coming-soon-ec2-c6gn-instances-100-gbps-networking-with-aws-graviton2-processors/ EC2 Update – D3 / D3en Dense Storage Instances https://aws.amazon.com/blogs/aws/ec2-update-d3-d3en-dense-storage-instances/ New – Amazon EC2 R5b Instances Provide 3x Higher EBS Performance https://aws.amazon.com/blogs/aws/new-amazon-ec2-r5b-instances-providing-3x-higher-ebs-performance/ Smaller AWS Outpost Form Factors two new sizes of AWS Outposts, suitable for locations such as branch offices, factories, retail stores,... Outposts https://aws.amazon.com/outposts/1u-2u/ In the Works – 3 More AWS Local Zones in 2020, and 12 More in 2021 With AWS Local Zones, you can easily run applications that need single-digit

millisecond latency closer to end-users in a specific geography.

https://aws.amazon.com/blogs/aws/in-the-works-more-aws-local-zones/

Local Zones