

AWS

User Group

Munich / Germany

AWS Important Releases

03. October 2022 – 13. November 2022

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Global Infrastructure

- CloudFront adds three fields in real-time logs
 - Origin first-byte latency, Origin last-byte latency, and autonomous system number (ASN)
- Announcing the general availability of AWS Local Zones in Hamburg and Warsaw

Compute

- EC2 G5 instances now available in Stockholm region
- EC2 enables replacement of (EBS) root volume
- EC2 Mac Instances now support macOS Ventura

Network

- VPC now supports two new CloudWatch metrics to measure and track network address usage
 - Network Address Usage & Peered Network Address Usage
- VPC now supports the transfer of Elastic IP addresses between AWS accounts

Storage

- Amazon MSK now offers a new low-cost storage tier that scales to virtually unlimited storage

Serverless

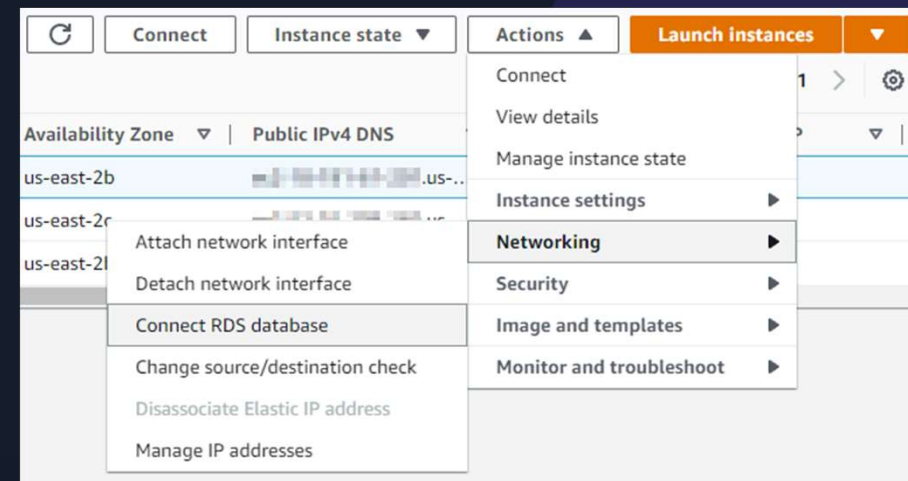
- S3 Object Lambda now supports using your own code to modify the results of S3 HEAD and LIST API requests
- SQS announces Server-Side Encryption with Amazon SQS-managed encryption keys (SSE-SQS) by default
- Graviton2 Lambda Functions now available in 12 additional regions
 - Paris, Stockholm, Milan
- AWS announces AWS SAM serverless connectors
 - Defining IAM policies in an easy way (without the need to be an IAM expert)

Serverless

- AWS Lambda
 - Supports event filtering for Amazon MSK, Self-Managed Kafka, Amazon MQ for Apache ActiveMQ & RabbitMQ as event sources (in addition to SQS, DynamoDB, and Kinesis)
 - Announcing AWS Parameters and Secrets Lambda Extension
 - Announces Telemetry API, further enriching monitoring and observability capabilities of Lambda Extensions

Databases & Big Data

- Aurora Serverless v2 now supports CloudFormation
- Official AWS JDBC Driver for PostgreSQL now GA
 - Faster failover due to cluster awareness for RDS and Aurora
- EC2 & RDS now offers an automated connection set-up solution between EC2 instance and RDS Database in the respective console
- Announcing data tiering for MemoryDB for Redis



Databases & Big Data

- Aurora MySQL supports (up to 10x) faster export to S3
- Aurora supports cluster export to S3
- RDS for MySQL, MariaDB and PostgreSQL now support up to 15 read replicas (max 5 cross-region) for 3X read capacity
- AWS Glue Crawlers support incremental S3 crawling based on non-crawler methods such as API calls
 - i.e. SQS queue as data source for crawler
- AWS Glue introduces Git integration (GitHub & CodeCommit)
- Athena
 - V3 is GA
 - Announces Query Result Reuse

Databases & Big Data

- RDS Multi-AZ option (2 readable standby) is now available in 12 additional AWS regions
 - Now in London, Milan, Paris in addition to Frankfurt & Ireland
- RDS now supports gp3 storage volumes
 - Scale I/O performance independent from storage
- Redshift Serverless now in Paris
- OpenSearch Service announces support for cross-VPC connectivity (PrivateLink)
- Neptune Serverless is GA
- ElastiCache adds support for Redis 7
 - LUA based Redis Functions stored on the cluster

Analytics & Monitoring

- AWS Batch
 - Increases compute and memory resource configurations for Fargate type jobs by 4X
 - Supports jobs as Kubernetes pods on Amazon EKS
- QuickSight now supports monitoring of SPICE consumption by sending metrics to CloudWatch

DevTools / DevOps

- AWS Fault Injection Simulator
 - Simulate Spot Instance interruptions from the EC2 console now
 - Now supports network connectivity disruption simulation
- CloudFormation StackSets increases limits on three service quotas
 - deploy up to 100.000 stack instances per stack set (previously 2.000)
 - create up to 1.000 stack sets in your management account (previously 100)
 - run up to 10.000 concurrent stack instance operations in a single region per management account (previously 3.500)
- CloudFormation now supports RDS Multi-AZ deployments with two readable standbys

DevTools / DevOps

- Attribute-based instance type selection for Auto Scaling groups, EC2 Fleet, and Spot Fleet
 - Now with network bandwidth support in addition to vCPUs and memory
 - Now supports specifying list of instance types to select from
- EC2 announces price and capacity optimized allocation strategy for provisioning Amazon EC2 Spot Instances

Security & Compliance

- IAM Access Analyzer findings now support six additional AWS resource types to help you identify public and cross-account access
 - SNS topics, EBS snapshots, RDS DB snapshots, RDS DB cluster snapshots, ECR repositories, and EFS file systems

AI/ML

- SageMaker adds eight new Graviton-based instances for model deployment

Others

- Dark mode support in the AWS Management Console
- AWS Console Mobile Application adds support for AWS CloudShell
- AWS App Runner
 - Launches support for PHP, Go, .Net, and Ruby managed runtimes (“build from source”)
 - Supports privately accessible services within Amazon VPC now
- Amazon Lightsail announces support for domain registration and DNS autoconfiguration
- SNS increases the default quota for subscription filter policies by 50x to 10.000 per account

Others

- Amazon Time Sync is now available over the internet as a public NTP service on time.aws.com

AWS Community Day 2022



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AWS Community & Events

- AWS re:Invent 2022 in Las Vegas
 - Nov 28th to Dec 2nd
 - Registration open: <https://reinvent.awsevents.com/>
- Serverless Summit (<https://www.serverless-summit.io/>)
 - Nov 16th & 17th from 4pm to 8:30pm
- Next Meetup AWS UG Munich:
 - re:Invent Highlights on Monday Dec 05th at/with AWS (Meetup Listing coming soon!)