

**AWS**

# User Group

Munich / Germany



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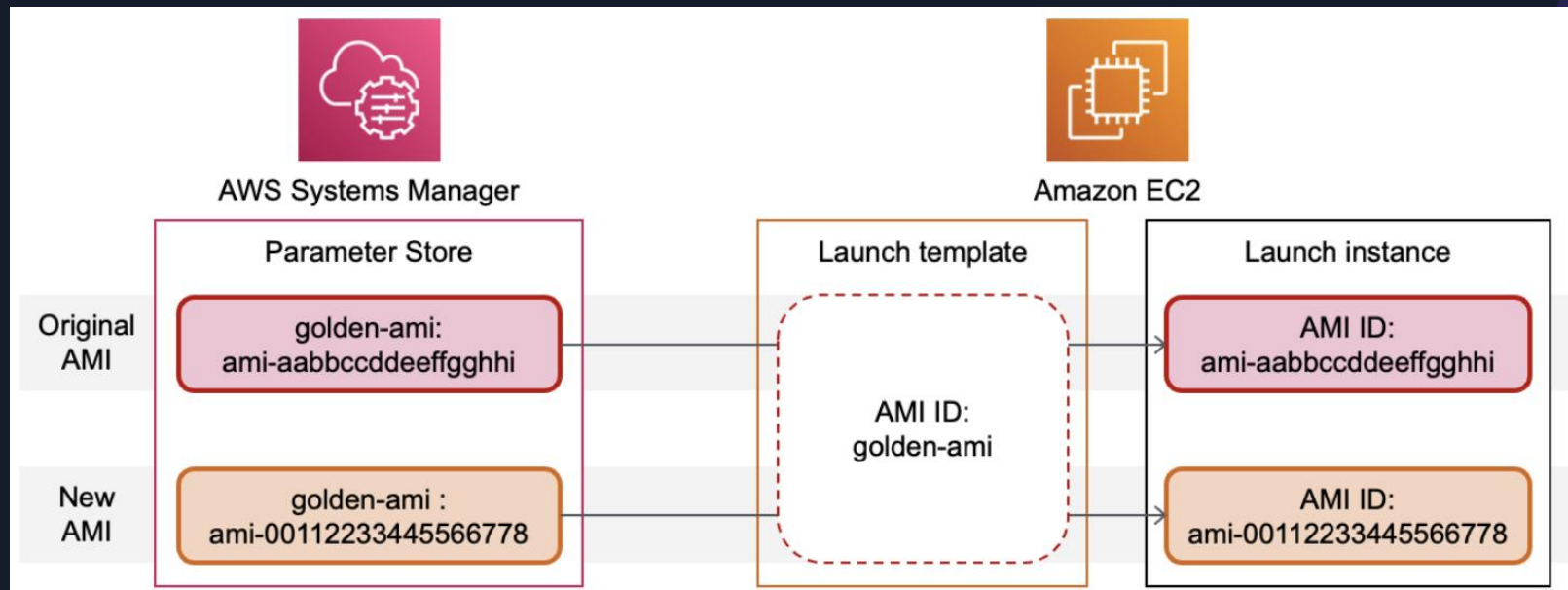
# AWS Important Releases

01. January 2023 – 07. February 2023

Markus Ostertag – CTO @ Ryte

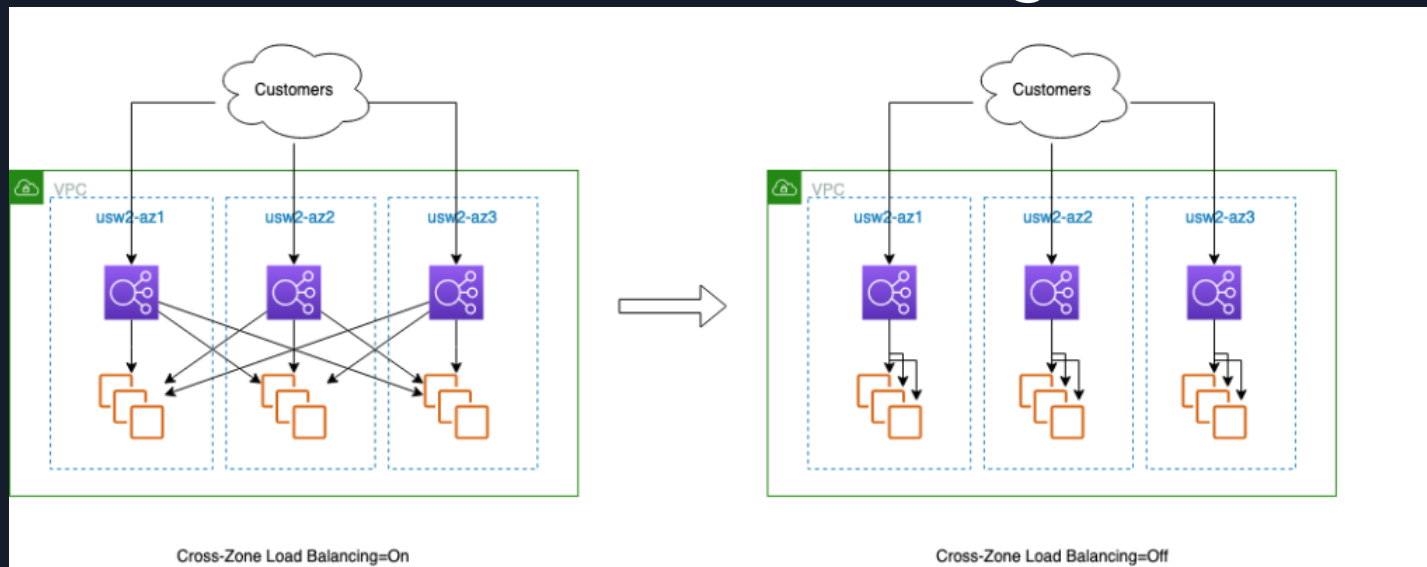
# Compute

- R6g now in Stockholm (and others)
- G5g now in Frankfurt
- EC2 Mac instances now support replacing root volumes
- EC2 Launch Templates now support SSM parameters for AMIs



# Network

- Network Firewall adds support for reject action for TCP traffic
  - In addition to pass, drop, and alert
- Network Firewall not with IPv6 support
- Route 53 ARC zonal shift is available now for ALBs and NLBs with cross-zone load balancing turned off



# Network

- AWS announces Amazon-provided contiguous IPv6 CIDR blocks
  - Can be requested via IPAM and then distributed to accounts
  - CIDR blocks are non-ephemeral
- NAT Gateways can have up to 8 Ips now – additional capacity to support concurrent connections to a unique destination
  - 1 IP up to 55k conns per unique destination (combination of destination IP address, the destination port, and the protocol TCP/UDP/ICMP)

# Storage

- S3 now automatically encrypts all new objects (SSE-S3)
- Amazon EFS increases the maximum number of Access Points per file system (from 120 to 1000)
- Amazon EFS now available in Spain
- AWS Storage Gateway is now available in Spain and Zurich
- AWS Snow Family now supports software updates on AWS Snowcone (at the Edge)

# Container

- Amazon EKS is now available in Spain and Zurich

# Serverless

- Kinesis Data Streams for DynamoDB & Firehose now available in Spain and Zurich (and others)
- AWS App Runner now supports retrieving secrets and configuration from Secrets Manager and SSM Parameter Store
  - Is available as env variable then
- Lambda
  - Now supports Maximum Concurrency for SQS as an event source
  - Now with runtime (Amazon Linux OS, programming language runtime, and AWS SDKs) management controls



# Databases & Big Data

- EMR Serverless now with custom images (Spark and Hive)
- EMR Serverless now with new account-level vCPU based quota (in addition to the application specific quota)
- RDS Optimized Reads for up to 2X faster queries for MariaDB
  - M5d, R5d, M6gd, R6gd and X2iedn
- RDS now supports increasing storage size when creating read replicas and restoring databases from snapshots (MySQL, PostgreSQL, MariaDB, Oracle)

# Analytics & Monitoring

- CloudWatch Logs removes quota and SequenceToken requirement
  - PutLogEvents has no quota (was 5 req/s) and doesn't need SequenceToken anymore
- CloudWatch launches cross-account Metric Streams
- AWS Clean Rooms is now available in preview
- Amazon OpenSearch Service
  - Announces enhanced dry run for configuration changes
  - OpenSearch Serverless is now GA
- AWS Glue Studio Visual ETL now supports 5 new transforms (Flatten, Format timestamp, To timestamp, Add identifier, and Add UUID)

# Analytics & Monitoring

- Amazon Athena releases data source connector for Google Cloud Storage (CSV and Parquet)
- AWS Glue Crawlers now support MongoDB Atlas

# DevTools / DevOps

- Neptune announces graph-explorer
  - <https://github.com/aws/graph-explorer>
- AWS AppConfig allows tracking of stale feature flags
- Validate AWS SAM templates with CloudFormation Linter to speed up development
- AWS Fault Injection Simulator
  - Increased (and more specific) quotas for target resources
  - New Pause I/O action for Amazon EBS volumes

# Security & Compliance

- AWS announces changes to AWS Billing, Cost Management, and Account consoles permissions
  - aws-portal service prefix, purchase-orders:ViewPurchaseOrders, purchase-orders:ModifyPurchaseOrders will no longer be available after July 6, 2023!
- AWS CloudTrail Lake now supports ingestion of activity events from non-AWS sources

# AI/ML

- Amazon Personalize launches „Trending Now“ Recipe
  - 30 mins, 1 hour, 3 hours or 1 day frequency

# Pricing

- S3 Storage Lens advanced metrics now with tiered pricing (>25B objects)

# Others

- CloudFront now support removal of HTTP headers
- Amazon Kendra releases new connectors
  - S3 with VPC support
  - Google Drive
  - Microsoft Teams, Exchange, and Yammer
- Amazon Kendra adds new file formats (RTF, XML, XSLT, MS Excel, CSV, JSON and Markdown)
- DeepLens EOL is 31.01.2024 (1<sup>st</sup> API shutdown in the history of AWS)
- AWS SSM announces Patch Policies, enabling cross account and cross region patching



# Others

- AWS Managed Microsoft AD, and AD Connector are now available in Spain, Zurich

# AWS Community & Events

- AWS Community Day DACH 2023
  - Sept 14th in Munich (SmartVillage Bogenhausen)
  - <https://www.aws-community-day.de/>
- AWS re:Invent 2023 in Las Vegas
  - Nov 27th to Dec 1nd
- Next Meetup AWS UG Munich:
  - Monday March 6th at/with NavVis (Meetup Listing coming soon!)