

AWS Important Releases

Markus Ostertag
Team Internet AG

also available in a few days at: <https://github.com/Osterjour/aws-ug-announcements>

Global Infrastructure

- Multiple new CloudFront Edge locations
- New region in Italy (early 2020)
- AWS GovCloud in us-east1 (available today)

Compute

- EC2 On-Demand Capacity Reservations
- EC2 Spot Console now provides savings information (but it's broken)
- T3 are now available in Paris
- M5a and R5a with AMD EPYC processors (10% lower price) – eu-west1

Spot usage and savings				Time frame: last 3 days	
17 Spot Instances	3312 vCPU-hours	6264 Mem(GiB)-hours	\$156.47 On-Demand total	\$46.30 Spot total	70% Savings
				Average cost per vCPU-hour: \$0.0140 Average cost per mem(GiB)-hour: \$0.0074	
Details					
c3.large (8)	1152 vCPU-hours	2160 mem(GiB)-hours	\$16.82 total	72% savings	
c4.xlarge (6)	1728 vCPU-hours	3240 mem(GiB)-hours	\$26.48 total	69% savings	
t2.medium (3)	432 vCPU-hours	864 mem(GiB)-hours	\$3.00 total	70% savings	

Container

- AWS Fargate now available in London

Serverless

- AWS Lambda now with SLA (99,95% / month)

Network

- Bring your own IP at AWS (us-east1, us-east2, us-west2)
 - /24 is most specific

Storage

- Amazon EFS now supports AWS VPN and inter-region VPC peering
- Amazon EFS now supports 512 locks per file (from 87)

Databases & Big Data

- Amazon ElastiCache now with M5 and R5
- Amazon ElastiCache now with Redis 5.0
- RDS is now sending service events to Cloudwatch
- Neptune is now available in Frankfurt
- Amazon RDS for MySQL, MariaDB and PostgreSQL with up to 32 TiB

Deployment and Management

Analytics

IoT

Security

AI

- SageMaker with A LOT of updates and new features

Others

- Amazon WorkMail introduces Outbound Mail Flow Rules

Pricing

- Amazon API Gateway now with tiered pricing!

Events

- AWS re:Invent 2018
 - Andy Jassy's Keynote Live Stream sponsored by New Relic:
<https://newrelic.com/rsvp/2018-AWS-Party-Munich>