Hyland™

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Alfresco
Tech Talk Live #148

June 21, 2023

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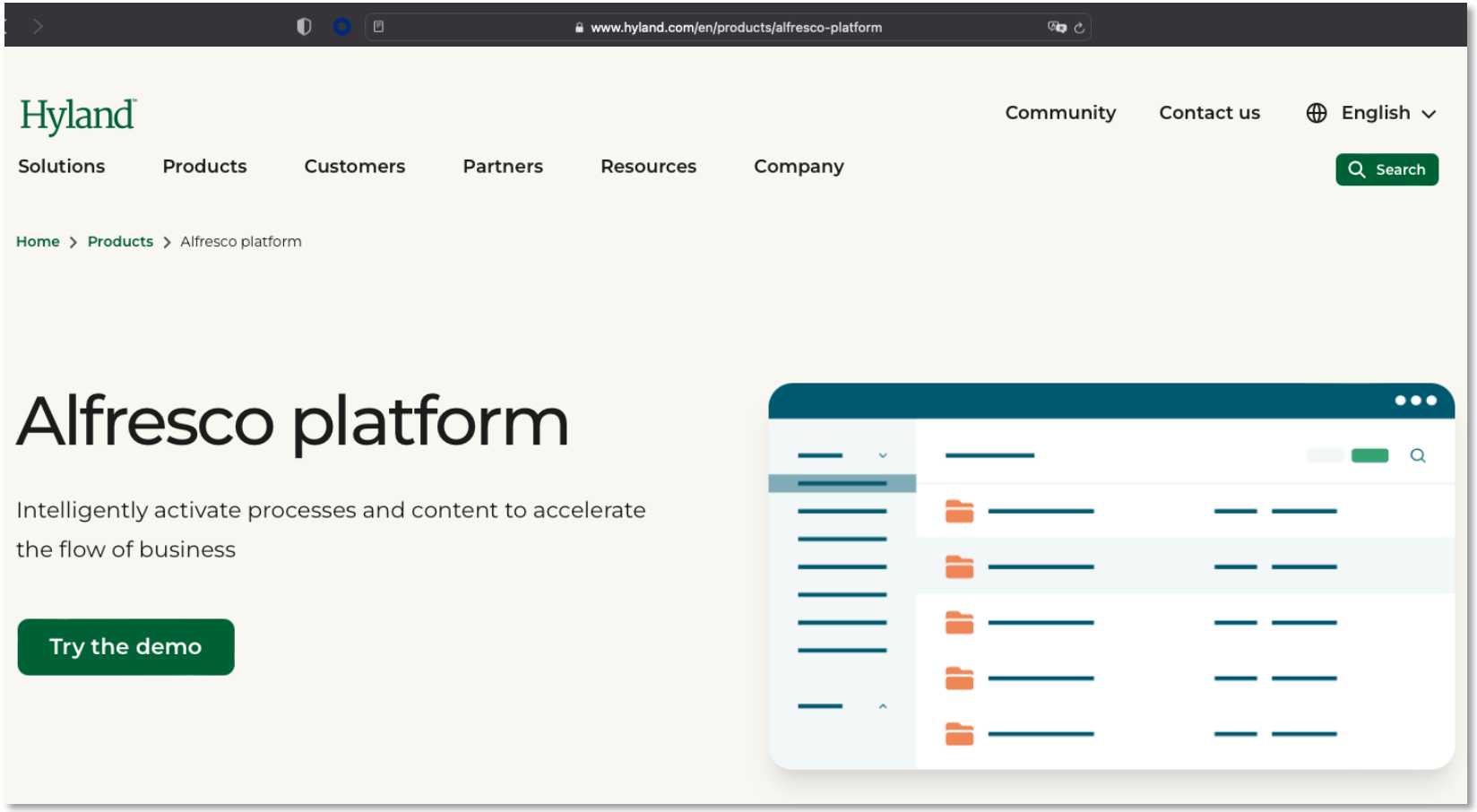
Agenda

- Community news
- Reduce Alfresco Content Services Operational Burden with AWS Serverless

Check out the new Hyland.com

Alfresco.com and Nuxeo.com will be decommissioned soon!



Register today for CommunityLIVE in Las Vegas

October 1–2

Hands-on technical training

Advanced technical training for OnBase, Perceptive Content, Alfresco and Nuxeo platform users

Learn more

October 3–5

CommunityLIVE main conference

Keynotes, networking and expert-led sessions for all

Learn more

Find additional details on this year conference in What's new with CommunityLIVE

Register today

Do you have an innovative Hyland Solution?

We're excited to launch the **Hyland Customer Innovation Awards** at CommunityLIVE to recognize forward-thinking organizations that are leveraging Hyland's content services solutions and technology to do amazing things in their organizations and communities.

Check out the innovation award categories and submit your Hyland solution by **Friday, June 30**, for a chance to win a complimentary main conference pass.

Hyland Summit series

August-November 2023

Hyland Summit Colombia	Bogotá, Colombia	Thursday, 17 August
Hyland Summit London	London, UK	Tuesday, 10 October
Hyland Summit Paris	Paris, France	Thursday, 19 October
Hyland Summit Düsseldorf	Düsseldorf, Germany	Tuesday, 24 October
Hyland Summit Sydney (registration coming soon)	Sydney, Australia	Thursday, 2 November
Hyland Summit Madrid	Madrid, Spain	Tuesday, 7 November

Visit the event page

TTL Speakers wanted!

- Take the opportunity to showcase your work with the community
- About Alfresco, Nuxeo, and associated technologies
- Best practices, integration, scaling, cloud, …

Alfresco 7.4

Available material

- Release Notes
- Recording of TTL 147 – Alfresco Content Services 7.4 Release overview
  1h extensive presentation by the product managers

Resources to come

- Secure communications with ACS 7.4
- Adapting your logging configuration to *log4jv2*
- Migrating to Search Enterprise
- Share to ADF migration guide (thanks Loftux for the feedback!)
- Using Spring Security with ACS 7.4

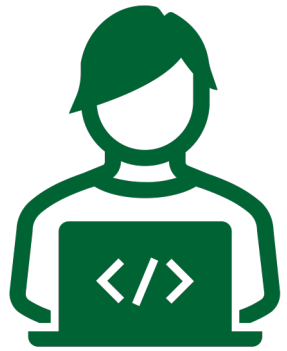
Resources

Blog posts

- Using Podman with Alfresco

Source Code

- Alfresco Share Extension Catalog
- Alfresco Go CLI
- Docker Dev Environment for ADF
- Alfresco Discord Bot
- Alfresco Query Catalog Builder



Today’s talk

Reduce Alfresco Content Services Operational Burden with AWS Serverless

WeeMeng Chong

Sr Partner Solution Architect, Amazon Web Services

Additional resources

- Detailed configuration available in Amazon Blog
- Technical resources in ServerlessACS-OpenSearch

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TECH TALK LIVE #148

Reduce Alfresco Content Services Operational Burden with AWS Serverless

WeeMeng Chong

Snr Partner Solution Architect – Business Applications
Amazon Web Services

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Serverless on AWS

Compute

AWS Lambda

AWS Fargate

Application integration

Amazon EventBridge

Amazon API Gateway

AWS Step Functions

Data store

Amazon Simple Storage Service (Amazon S3)

Amazon Elastic File System (Amazon EFS)

Amazon DynamoDB

Amazon Aurora Serverless

Amazon Neptune Serverless

Amazon OpenSearch Serverless

aws

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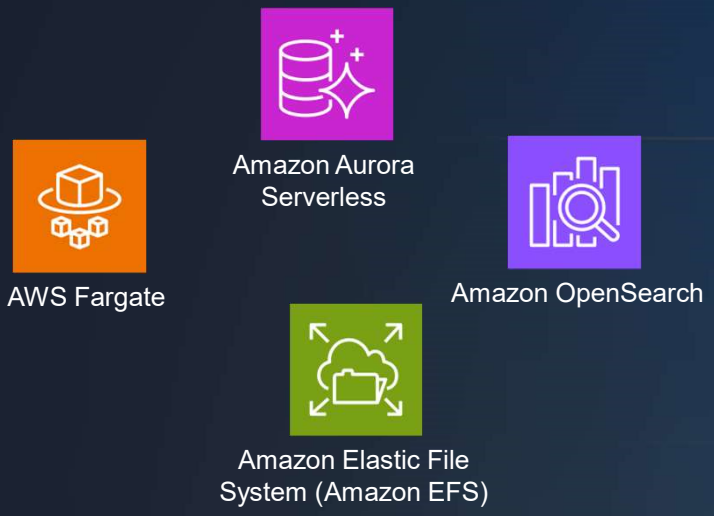
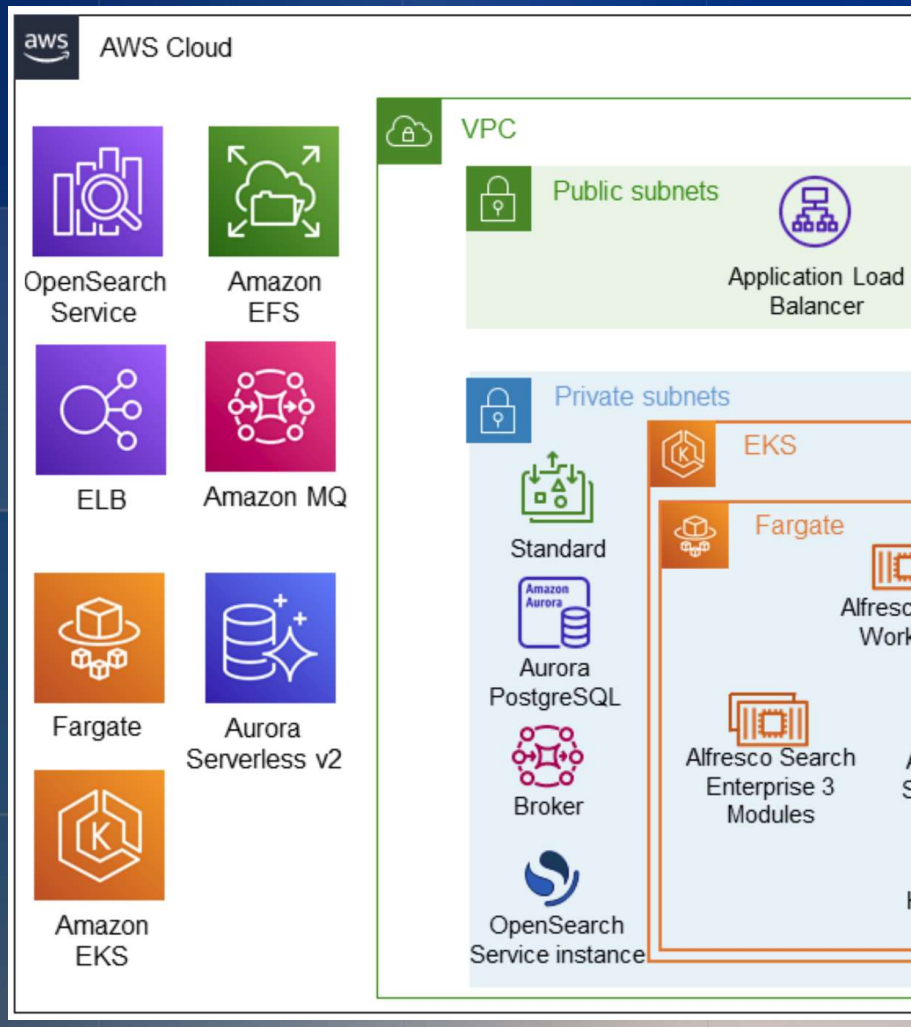
Going Serverless on AWS with minimal effort





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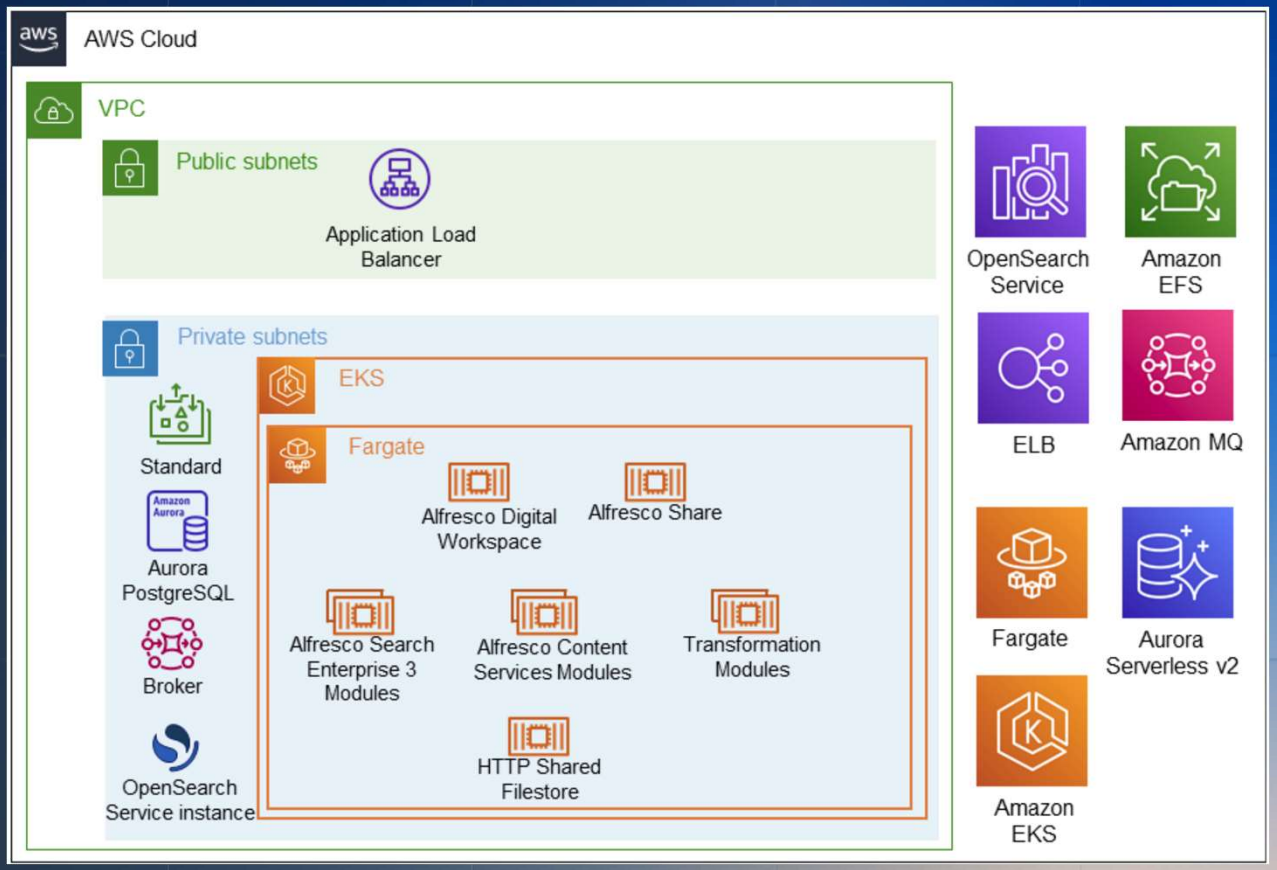
Alfresco Content Services on AWS Serverless

Infrastructure component	AWS serverless replacement
Database	Aurora Serverless v2
File Server	Amazon EFS
Compute hosts	Fargate
Elasticsearch	Amazon OpenSearch Serverless *



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AWS Partner Network (APN) Blog

1. Install command line tools: AWS CLI, Docker, kubectl and eksctl

2. Deploy EKS cluster on AWS Fargate with eksctl. Sample template provided in blog.

3. Deploy AWS services with CloudFormation. Sample template provided in blog.

4. Create a k8s storage configuration for EFS.

5. Create a k8s deployment template from the Hyland provided helm chart.

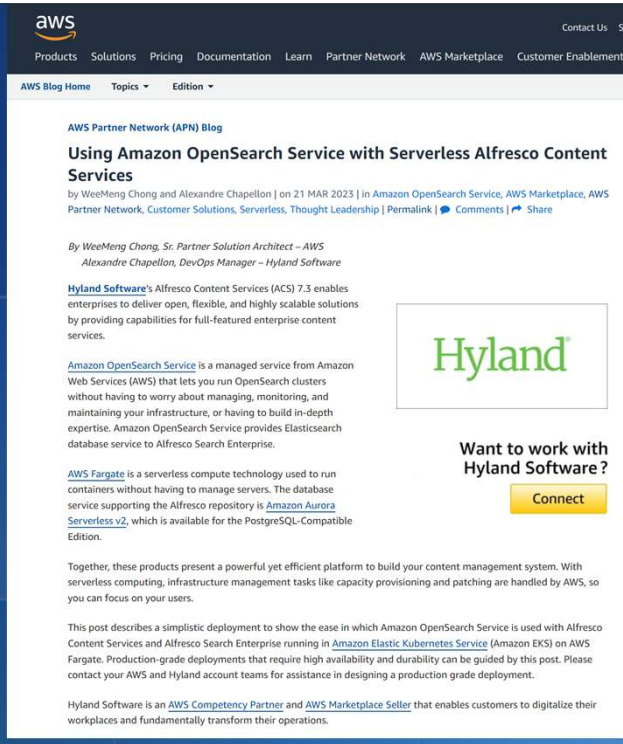
6. Patch the k8s deployment template to use sticky sessions with Amazon Application Load Balancer (ALB) rather than the chart provided NGINX.

7. Create k8s secrets for the container registry and Alfresco license.

8. Deploy the k8s template with kubectl.

9. Update your DNS with the IP of the ALB.

10. Login to Alfresco.



Complete walkthrough of deployment can be found on https://aws3-demo.link/UAqjta

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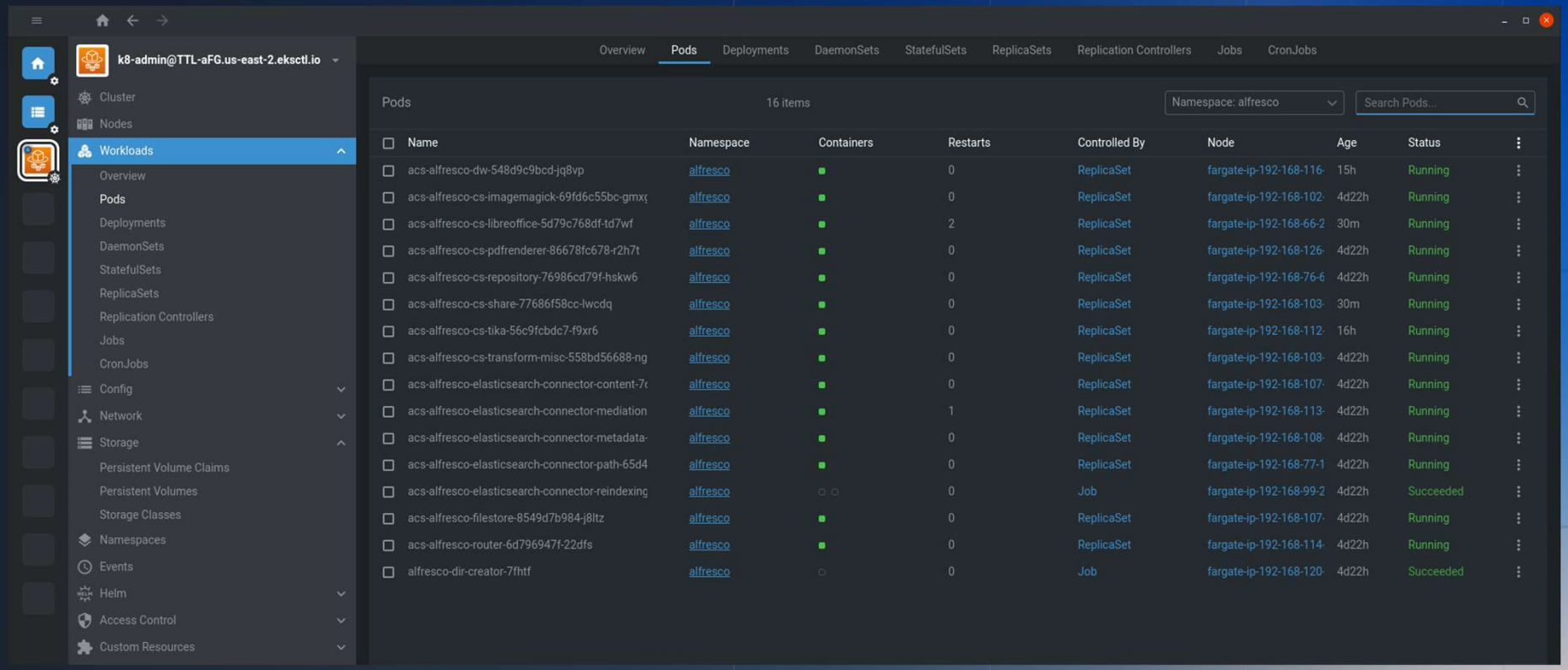
View of ACS Deployment with Openlens Desktop



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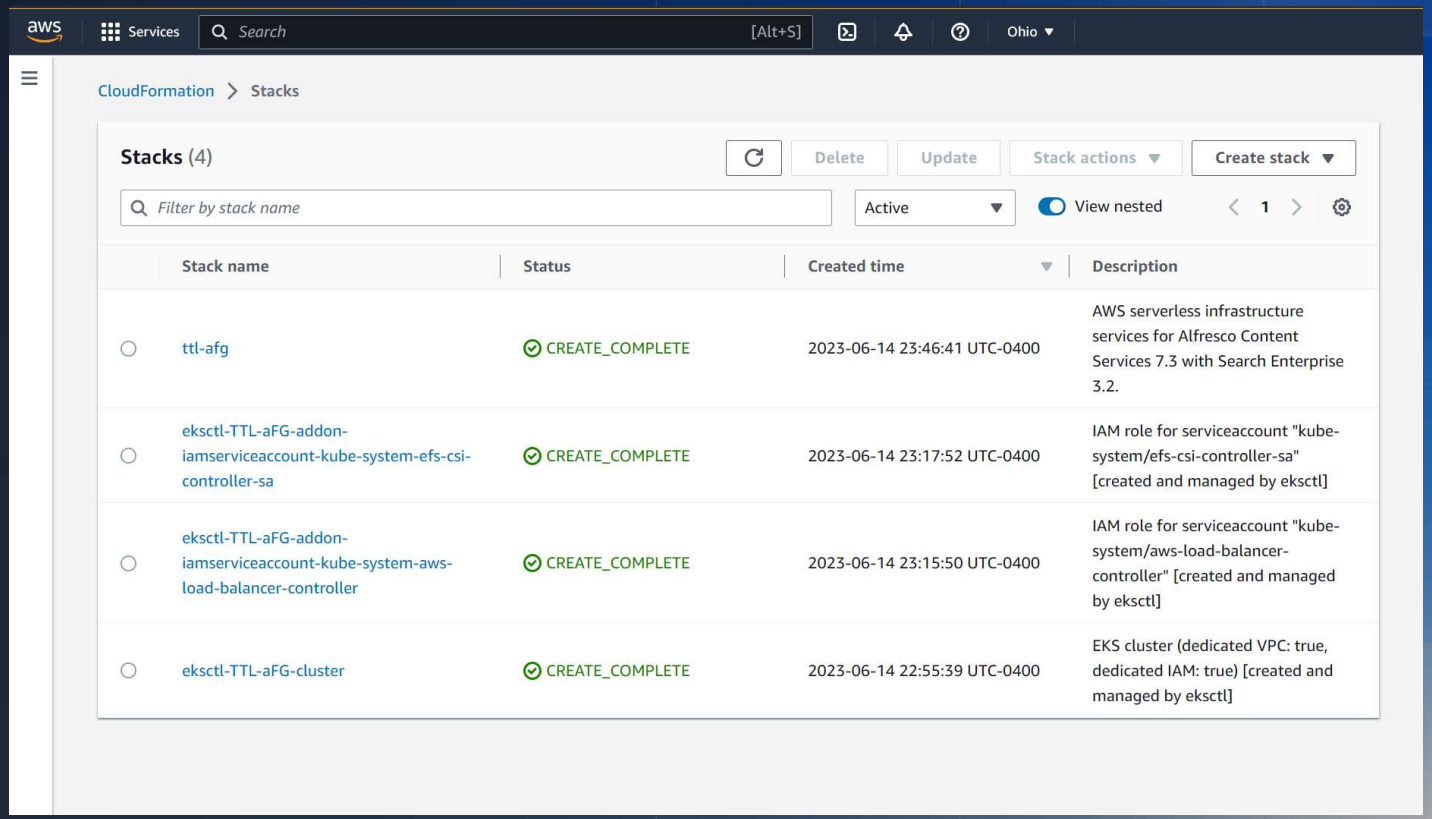
CloudFormation stacks



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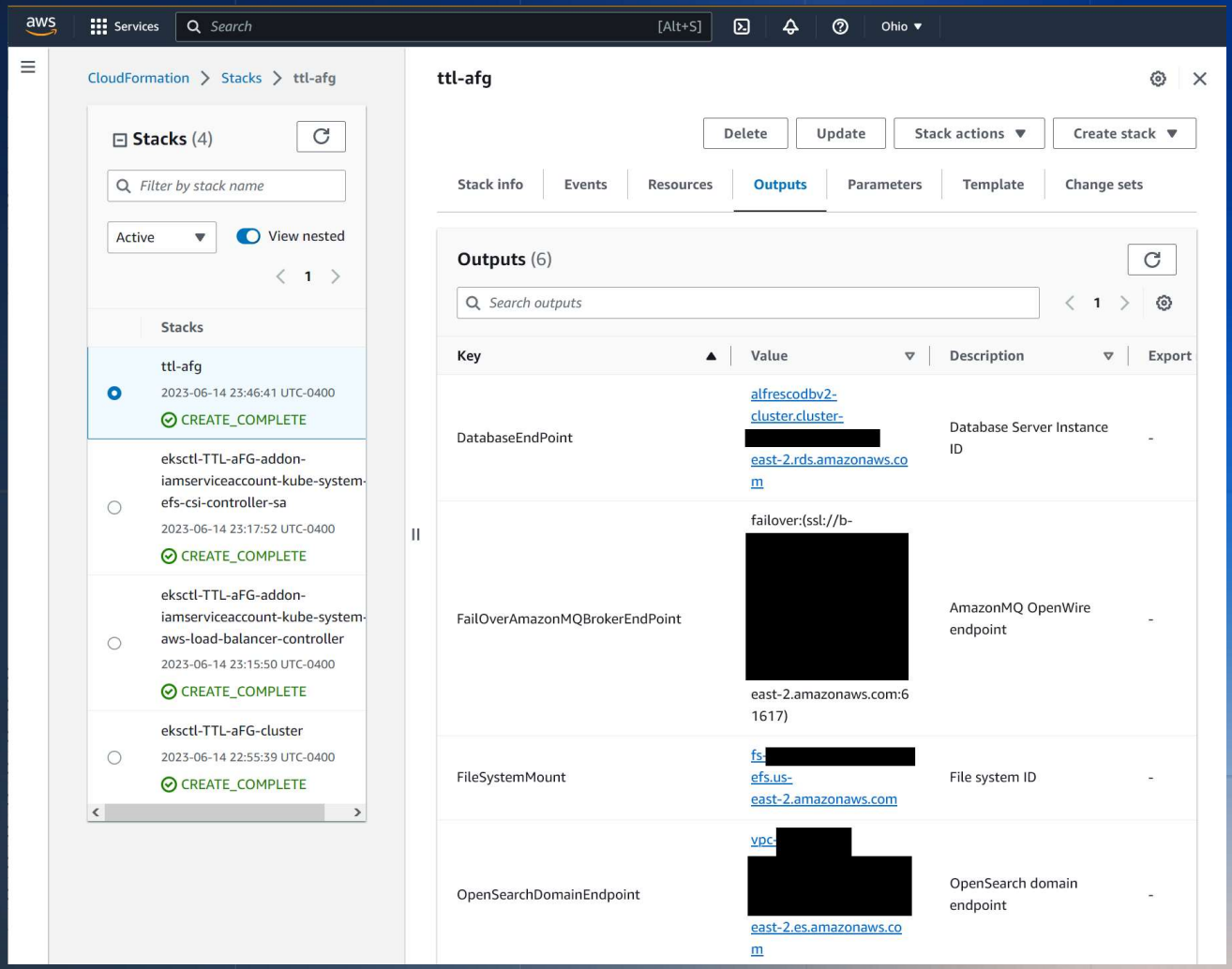
AWS resources

Amazon Aurora Serverless

AWS Fargate

Amazon Elastic File System (Amazon EFS)

Amazon OpenSearch



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Serverless is more than compute

COMPUTE

AWS Lambda

AWS Fargate

DATA STORES

Amazon S3

Amazon Aurora Serverless

Amazon DynamoDB

INTEGRATION

Amazon API Gateway

AWS AppSync

Amazon EventBridge

Amazon Simple Queue Service (Amazon SQS)

Amazon Simple Notification Service (Amazon SNS)

AWS Step Functions

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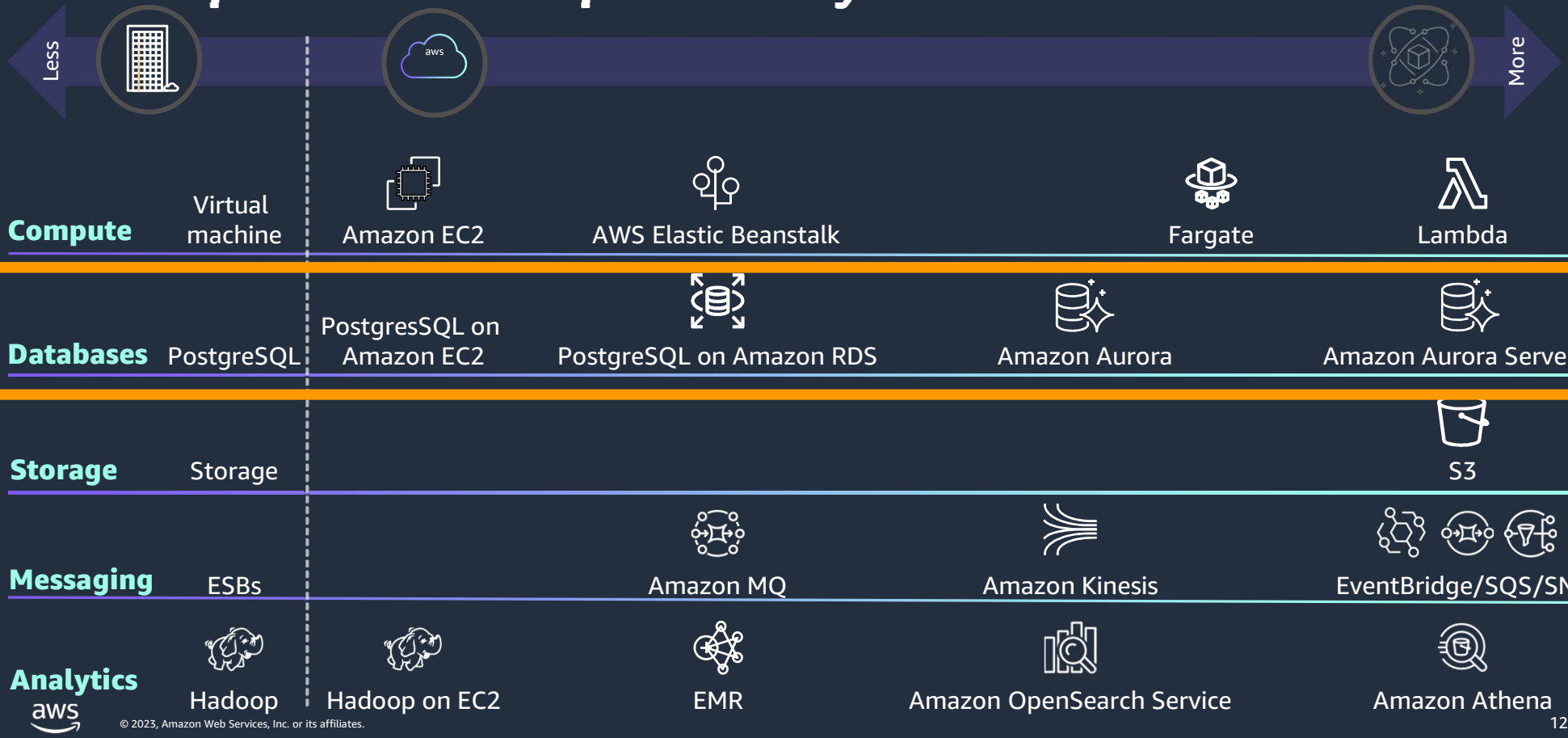
AWS operational responsibility models



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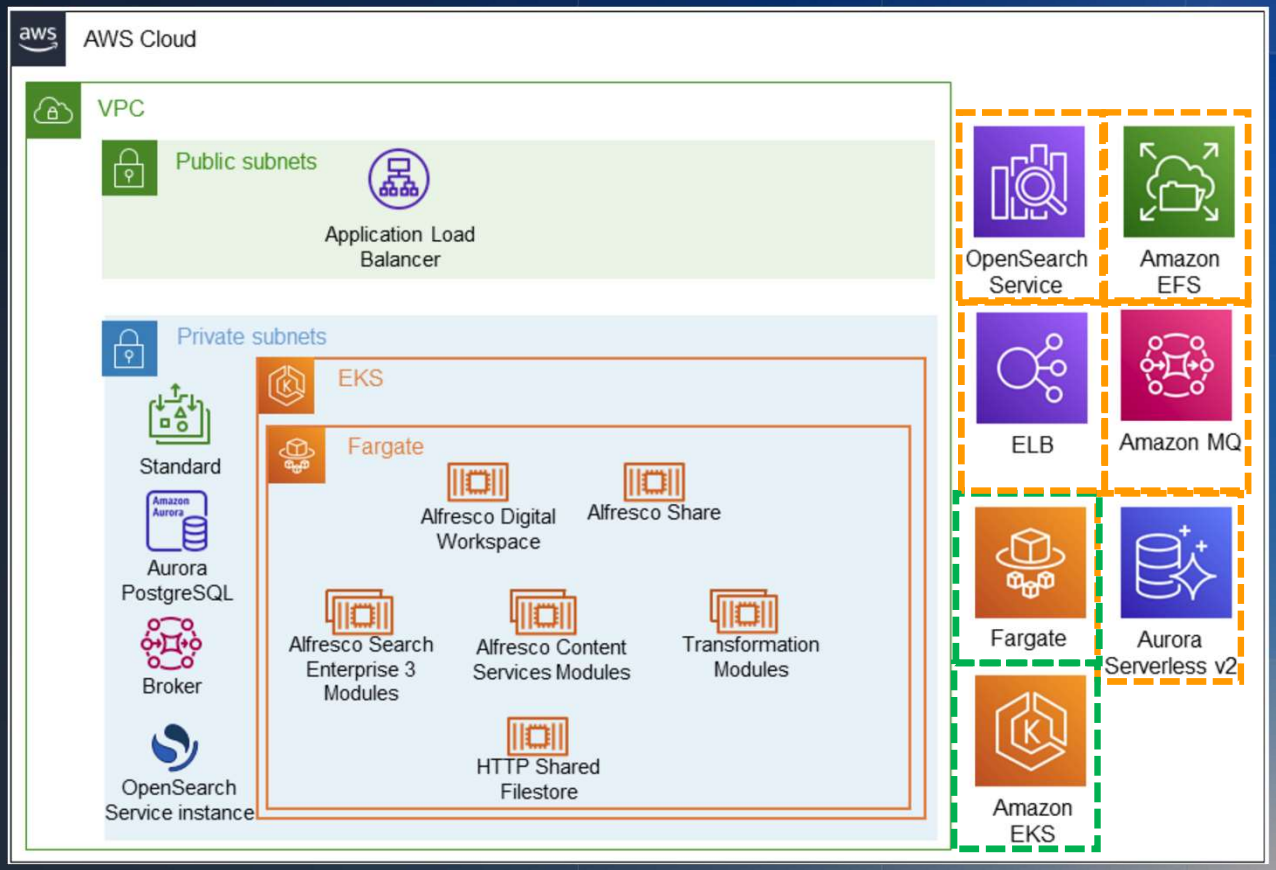
Alfresco Content Services on AWS Serverless



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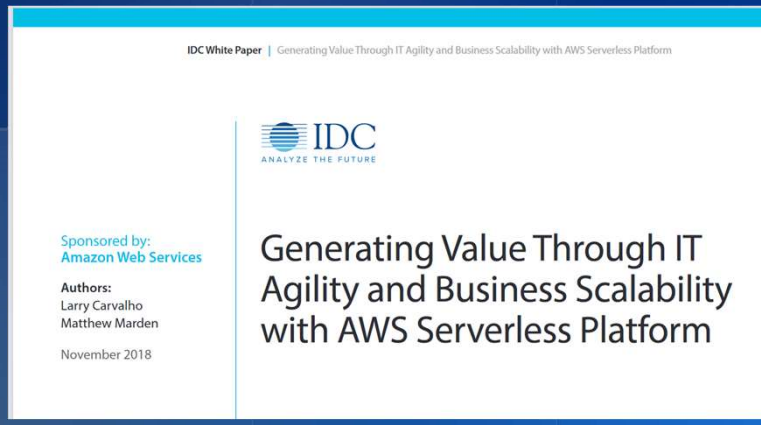
Lower TCO with AWS Serverless

409%
ROI over five years

43%
Fewer security incidents per year

89%
Faster compute deployment

3x
More features delivered per year



9 months to payback!*

Sources: IDC, Nucleus Research, AWS Analysis
*Based on five year ROI analysis of Serverless adoption

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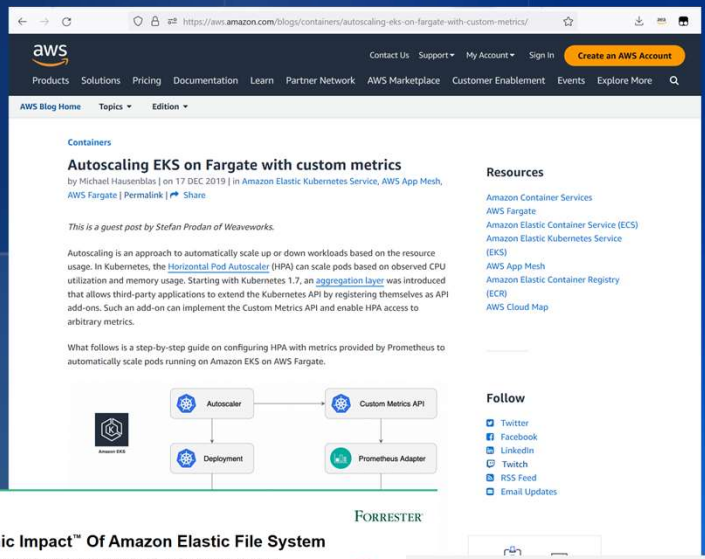
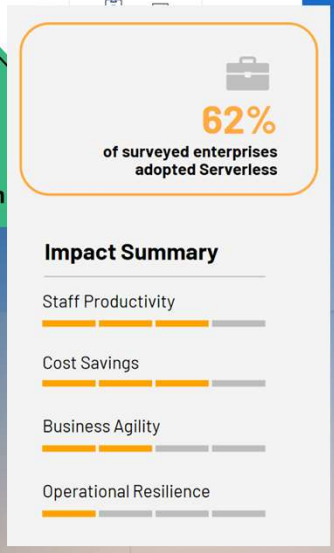
Useful links

- APN blog- Alfresco on serverless AWS
  - https://aws3-demo.link/UAqjta
- AlfrescoLabs GitHub repository for blog code
  - https://aws3-demo.link/OGyWqO
- APN blog- autoscaling EKS on Fargate
  - https://aws3-demo.link/RYzdJM
- IDC 2018 whitepaper on AWS serverless TCO
  - https://aws3-demo.link/oXJmvx
- Forrester 2021 Total Economic Impact study on EFS
  - https://aws.amazon.com/efs/tco/
- Known 2022 paper on Business Value of Cloud Modernization
  - https://aws3-demo.link/sOHMuS





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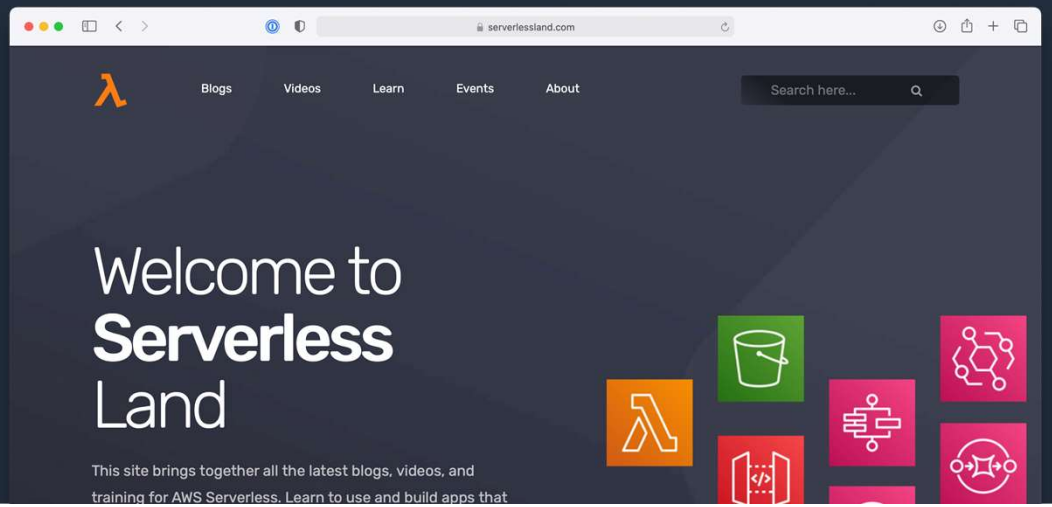
Want to dive deeper?

- Contact your AWS account team to discuss:
  - Serverless Immersion Day / Workshops
  - Serverless Well-Architected Review
  - Customized deep dives on technical topics

- Visit serverlessland.com



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Continue your AWS serverless learning

Learn at your own pace

Expand your serverless skills with our Learning Plan on **AWS Skill Builder**

Increase your knowledge

Use our **Ramp-Up Guides** to build your Serverless knowledge

Earn AWS serverless badge

Demonstrate your knowledge by achieving **digital badges**

https://s12d.com/serverless-learning

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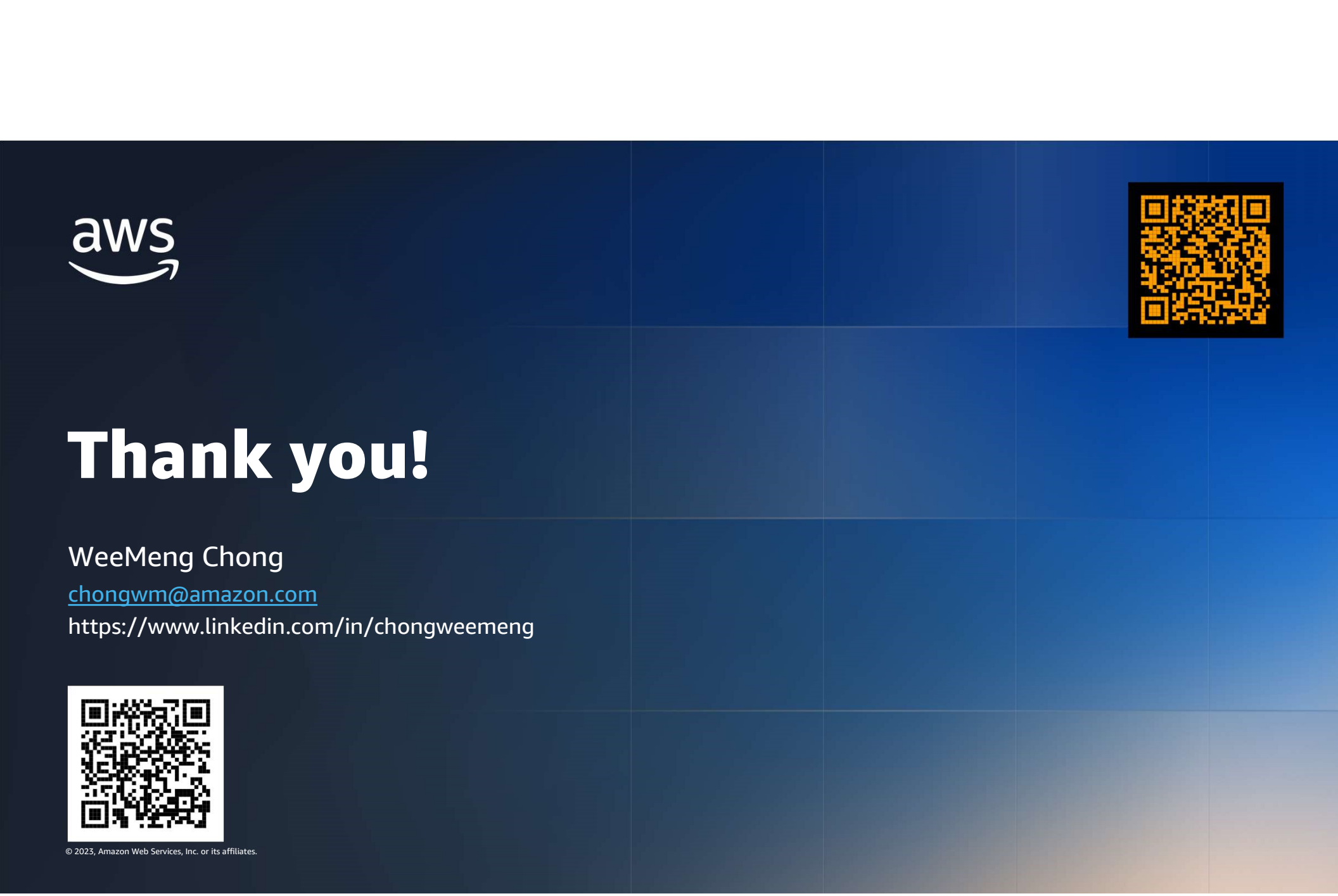

Thank you!

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https://www.linkedin.com/in/chongweemeng

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