# aws re:Invent



**ARC304** 

# 400 years of serverless land deeds

Keith Robertson Lead Architect

Registers of Scotland

Charlie Batchelor

Senior Consultant

**AWS** 





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## Session agenda

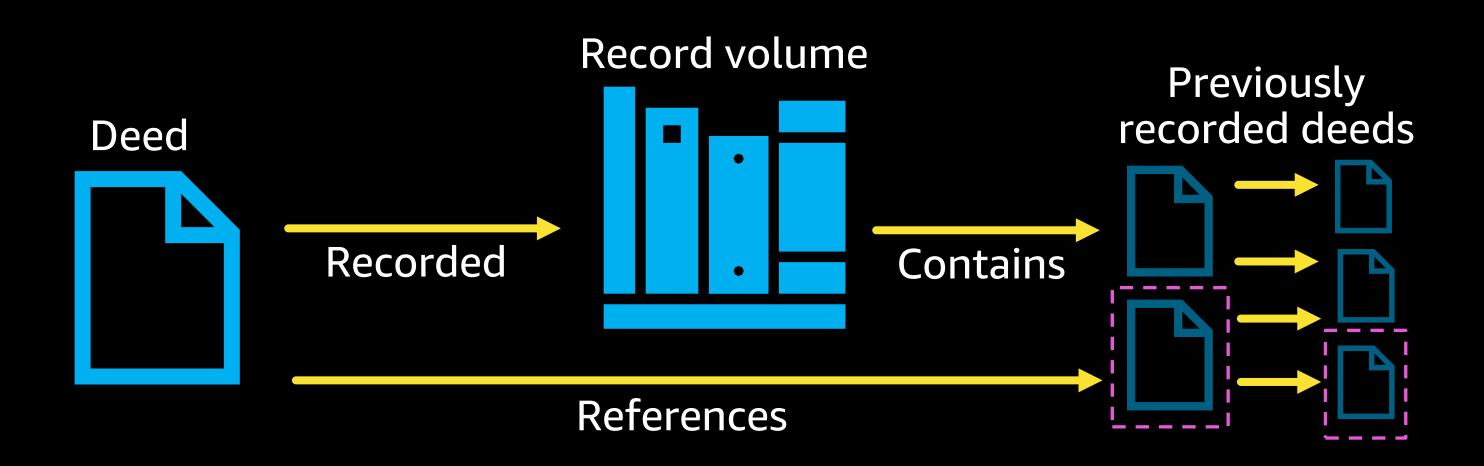
Registers of Scotland story and serverless archive architecture

Meeting strong public sector governance requirements

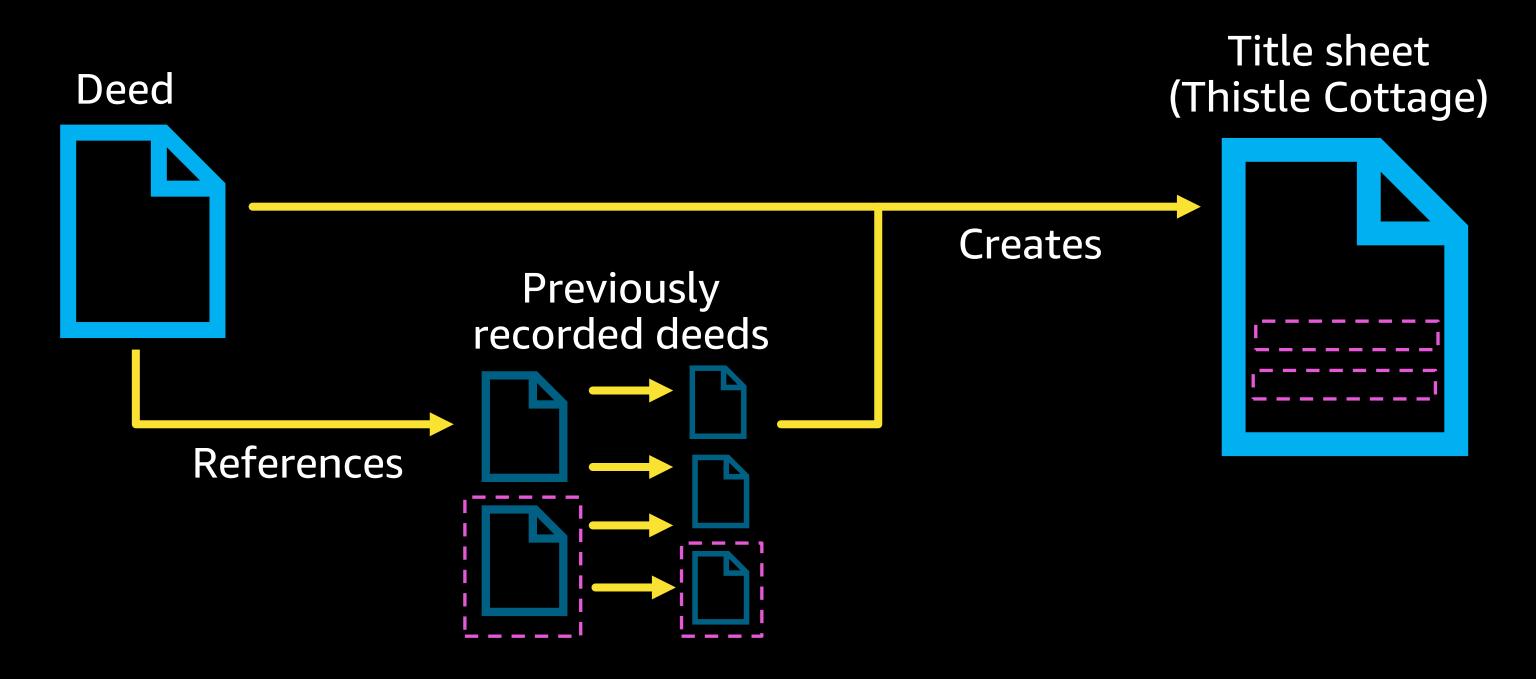
Encouraging adoption and unforeseen benefits

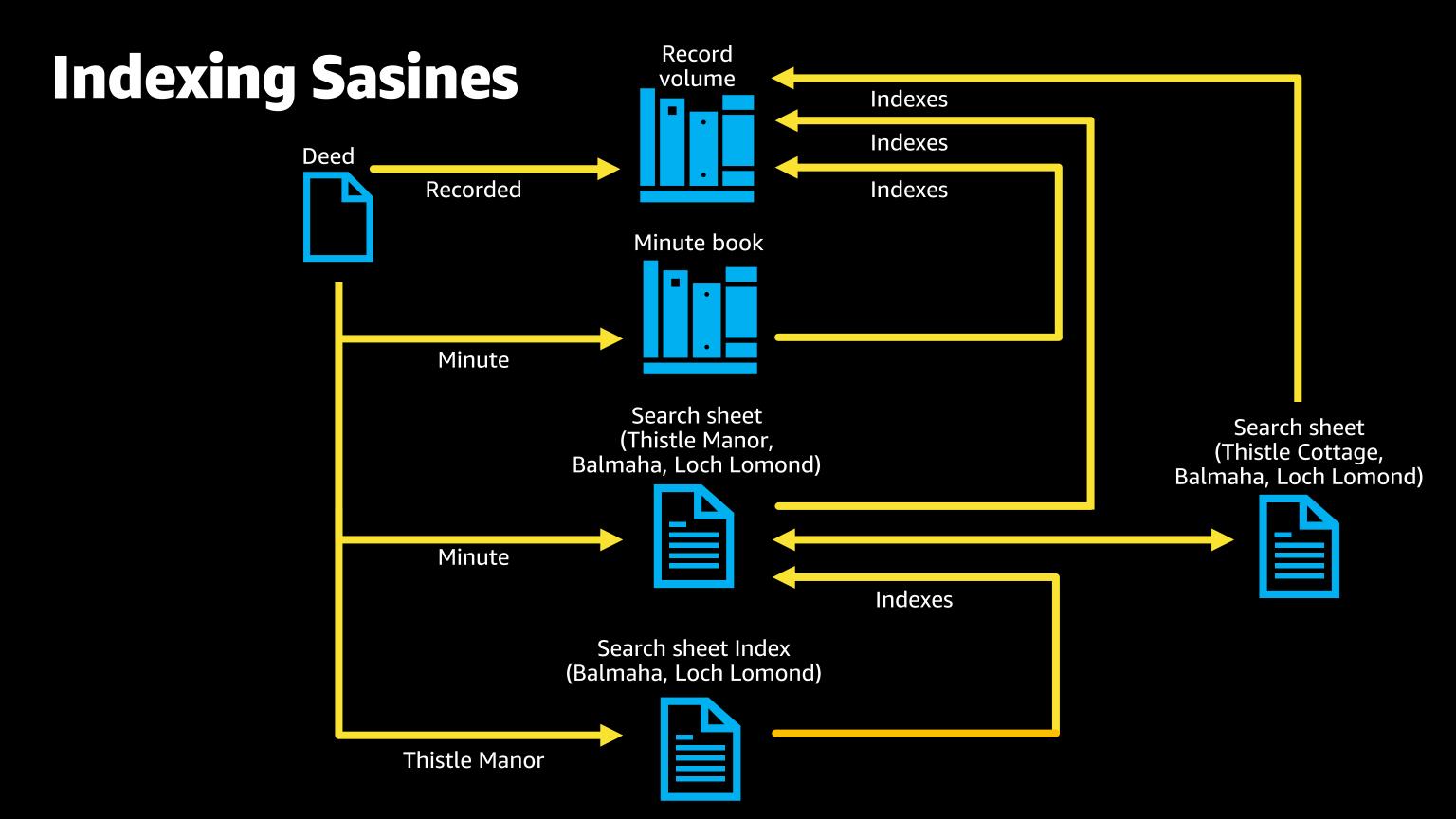


# General Register of Sasines (1617)

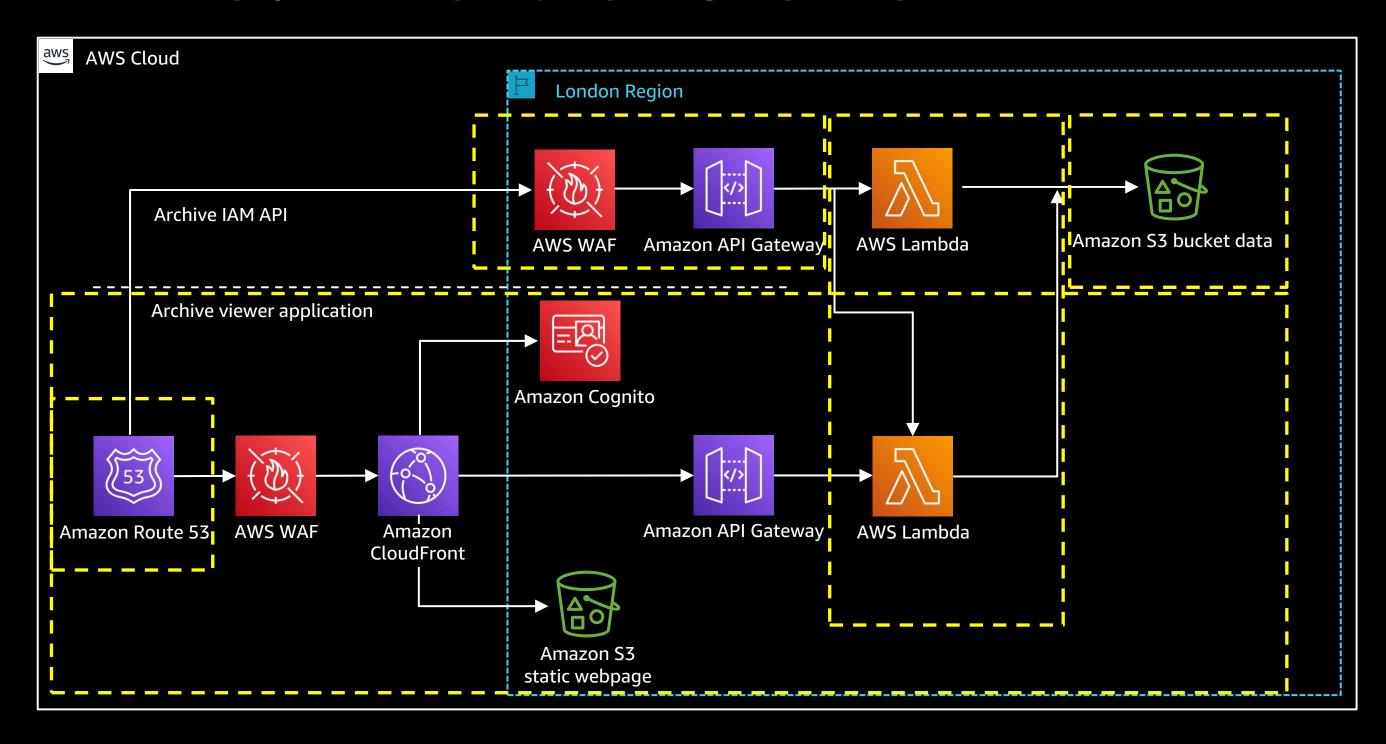


## Land Register (1981) – First registration

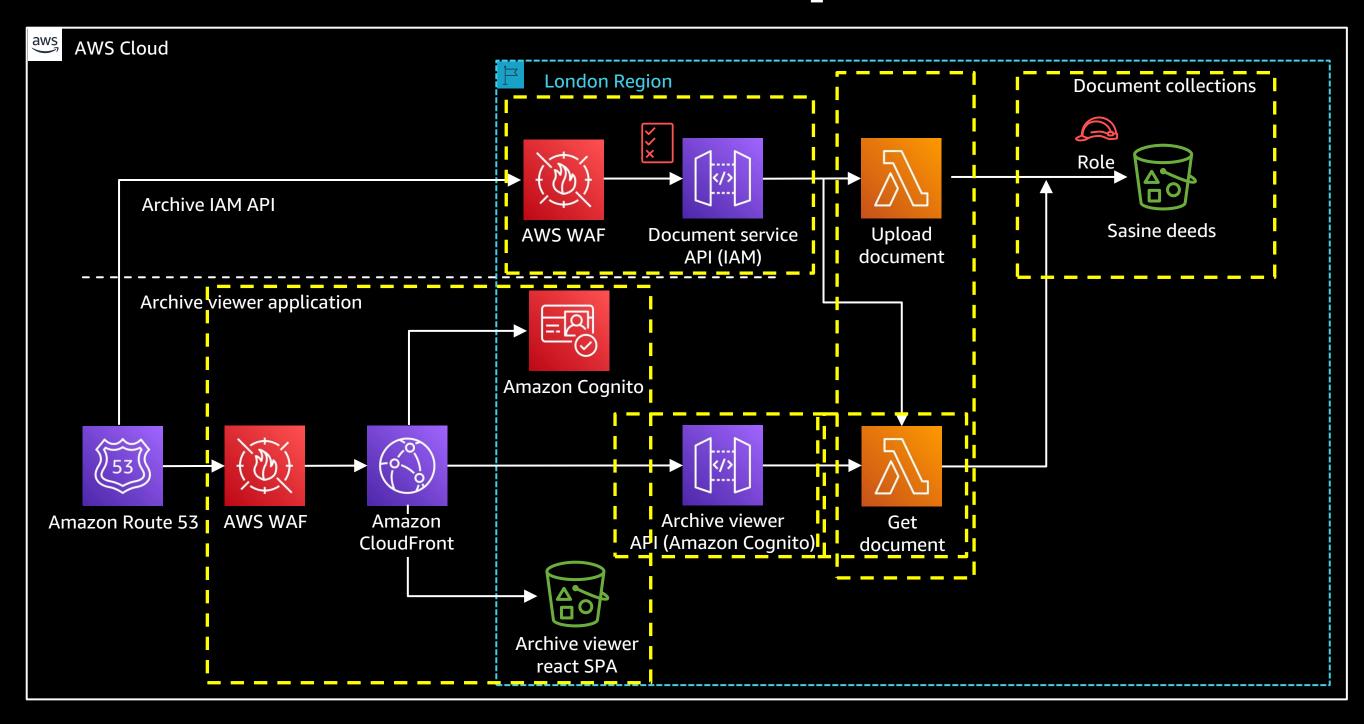




#### **Archive architecture – Overview**



#### **Archive architecture – Components**



#### Team roles

Product and IT leadership







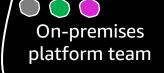






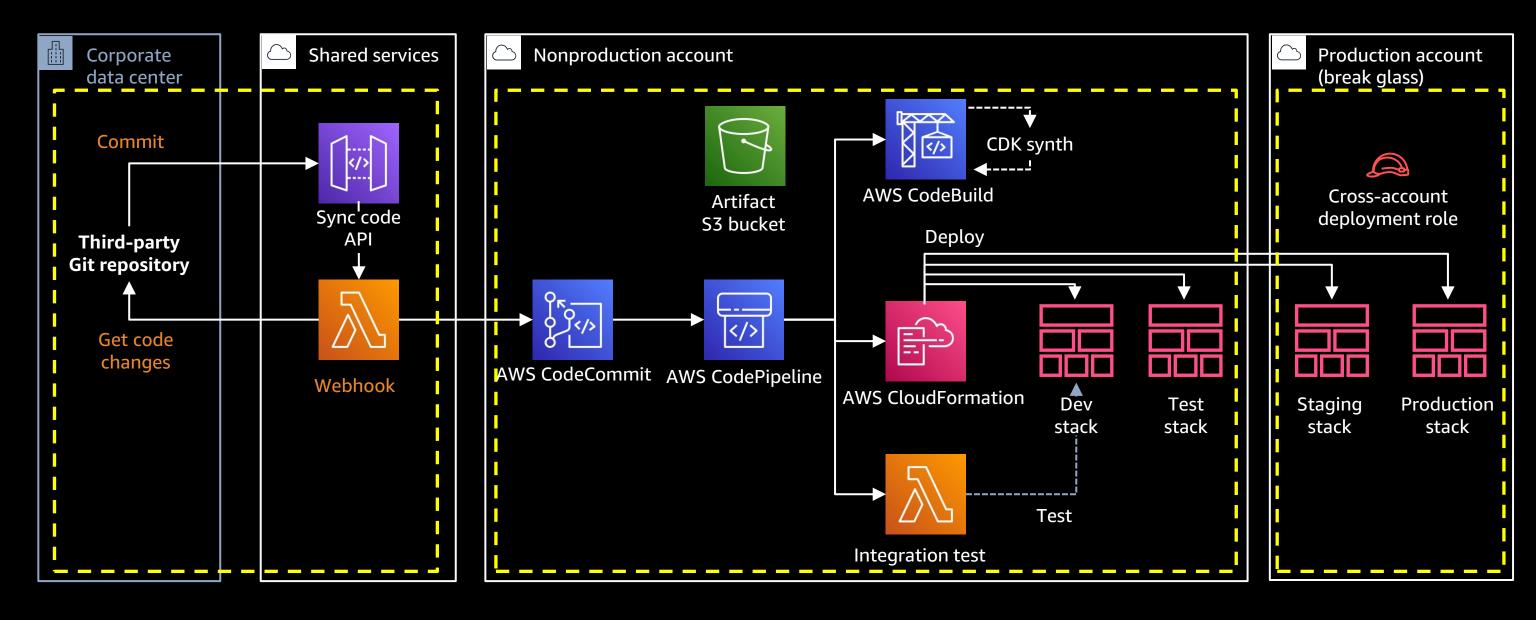




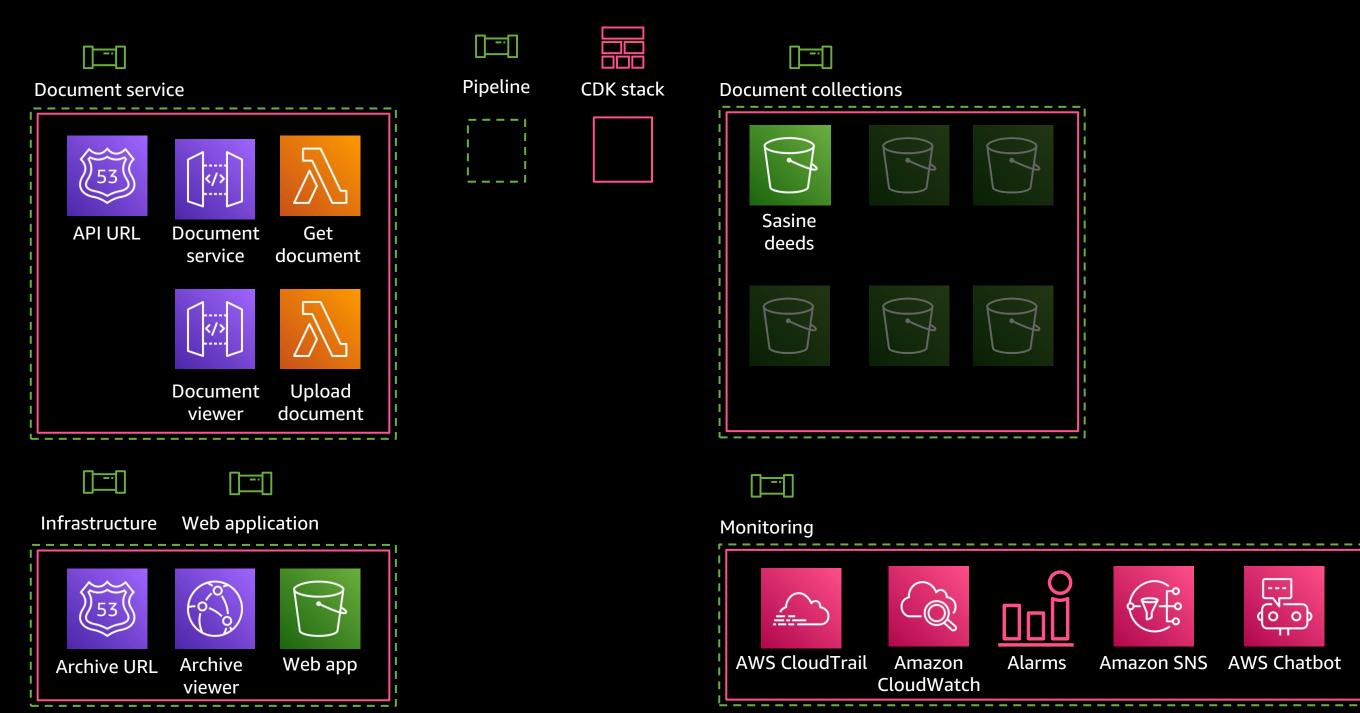


- Product manager
- Tech lead
- Business analyst
- Cloud engineer
- Security engineersOnsite resilience engineer

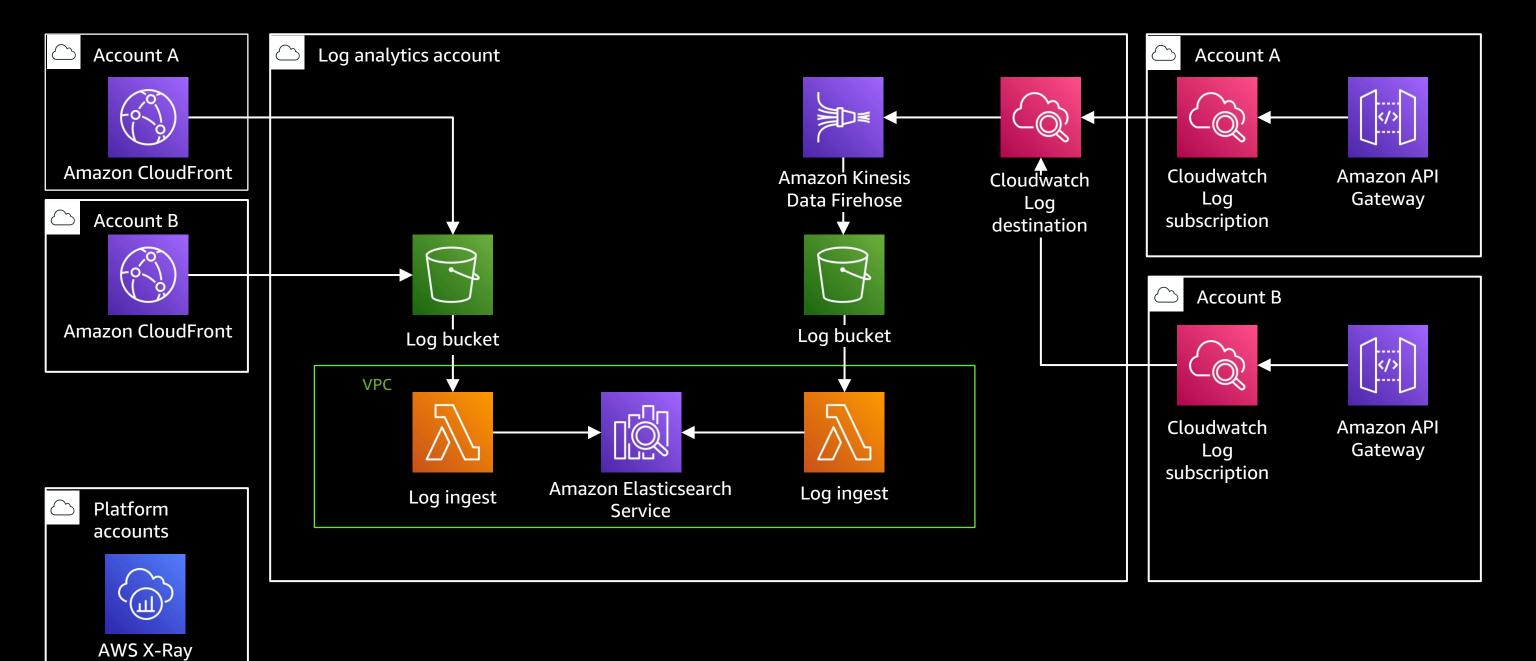
#### Application deployment pipeline



# Application deployment grouping



# Monitoring



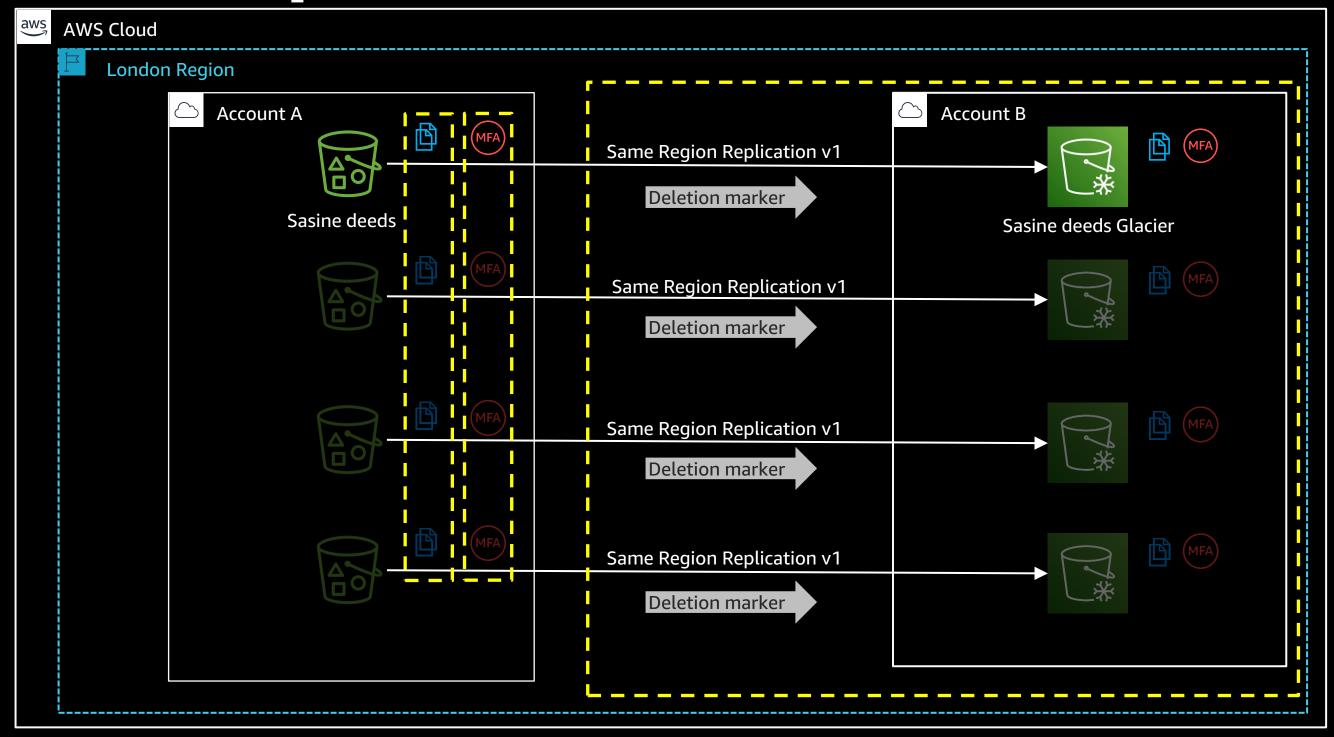
#### Resilience

The ability to provide an agreed level of service in the face of anticipated threats and faults

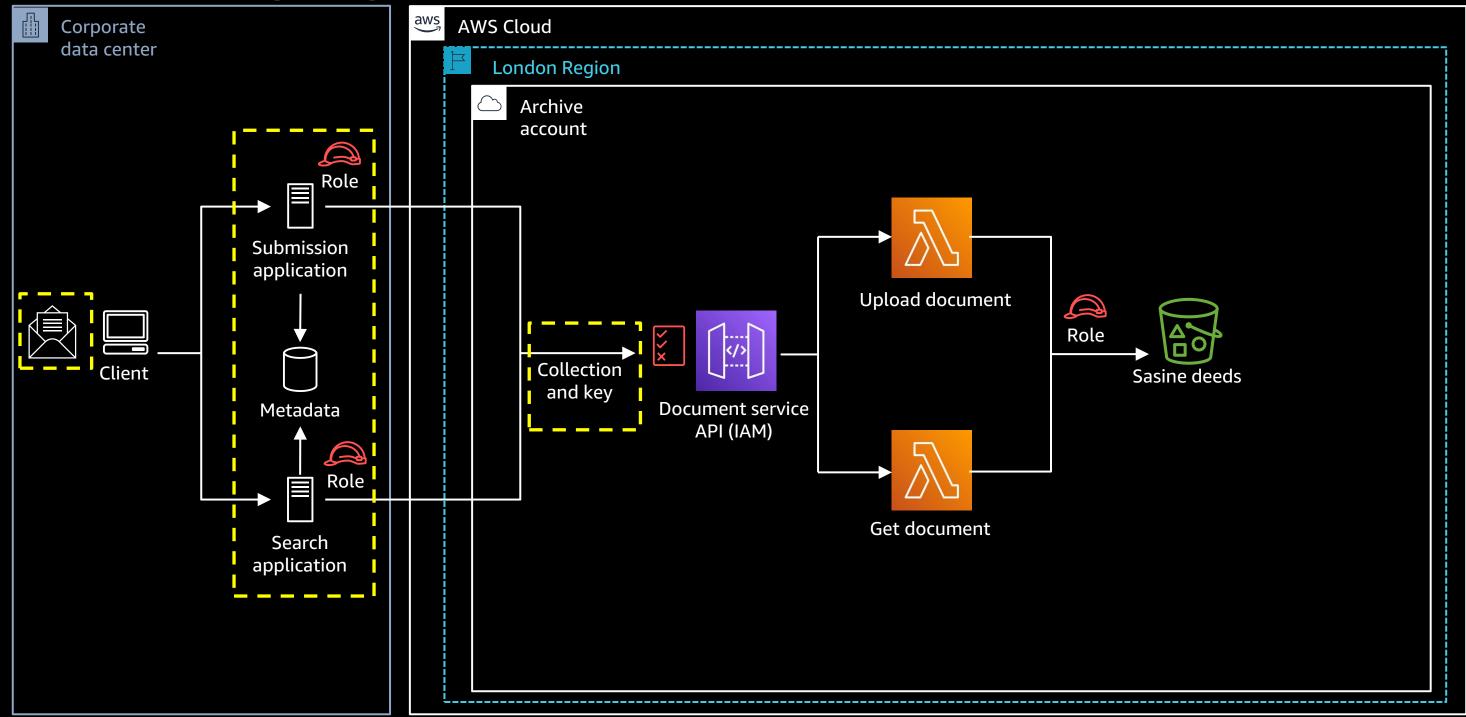
#### Backup

Additional copies of information assets that allow recovery when resilience has failed

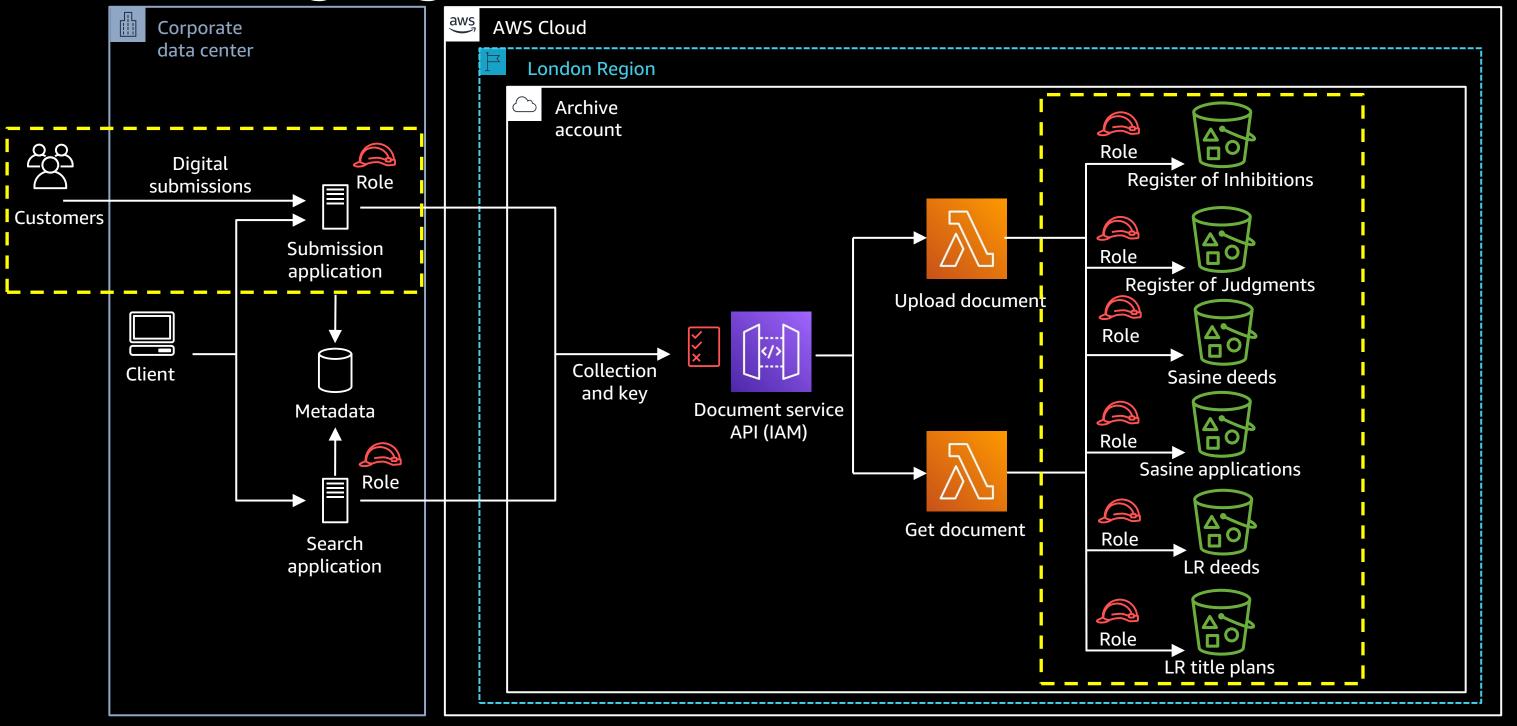
# **Archive replication**



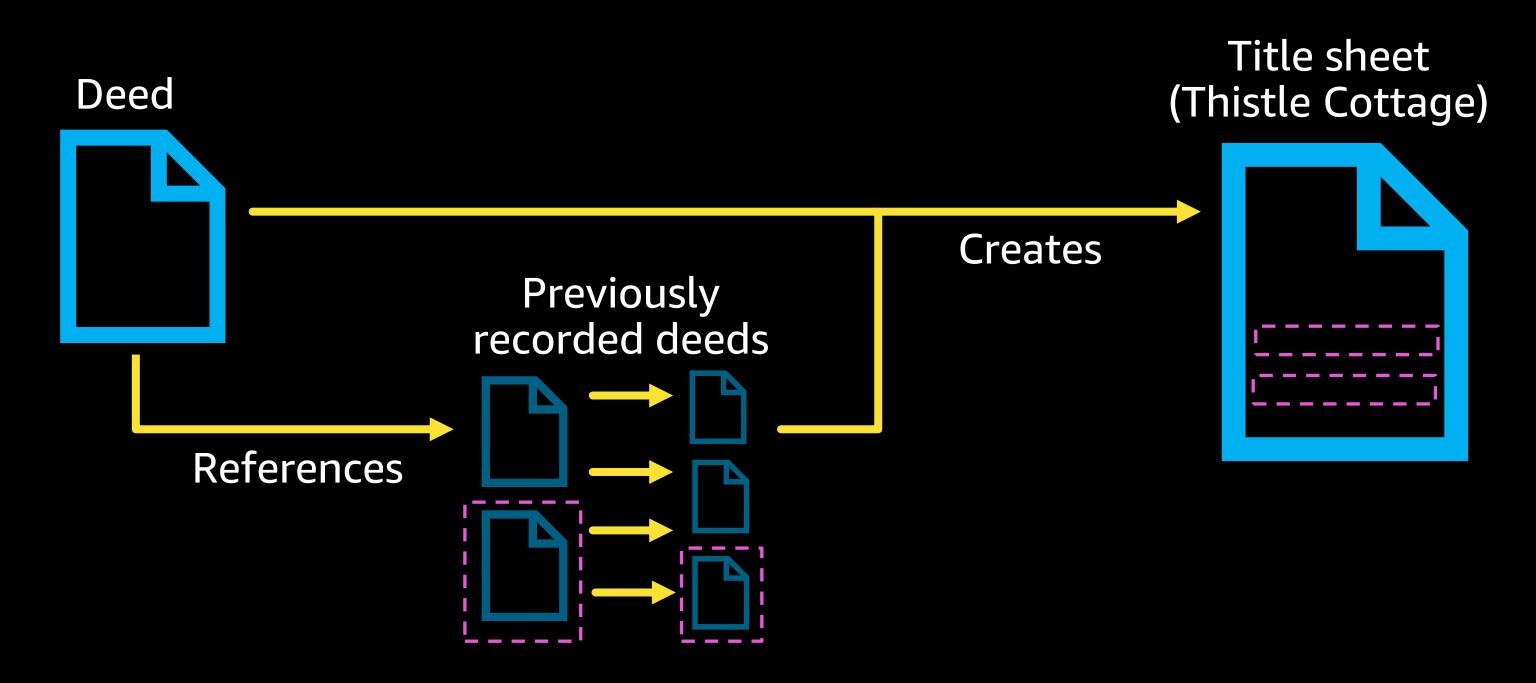
# **Encouraging adoption**



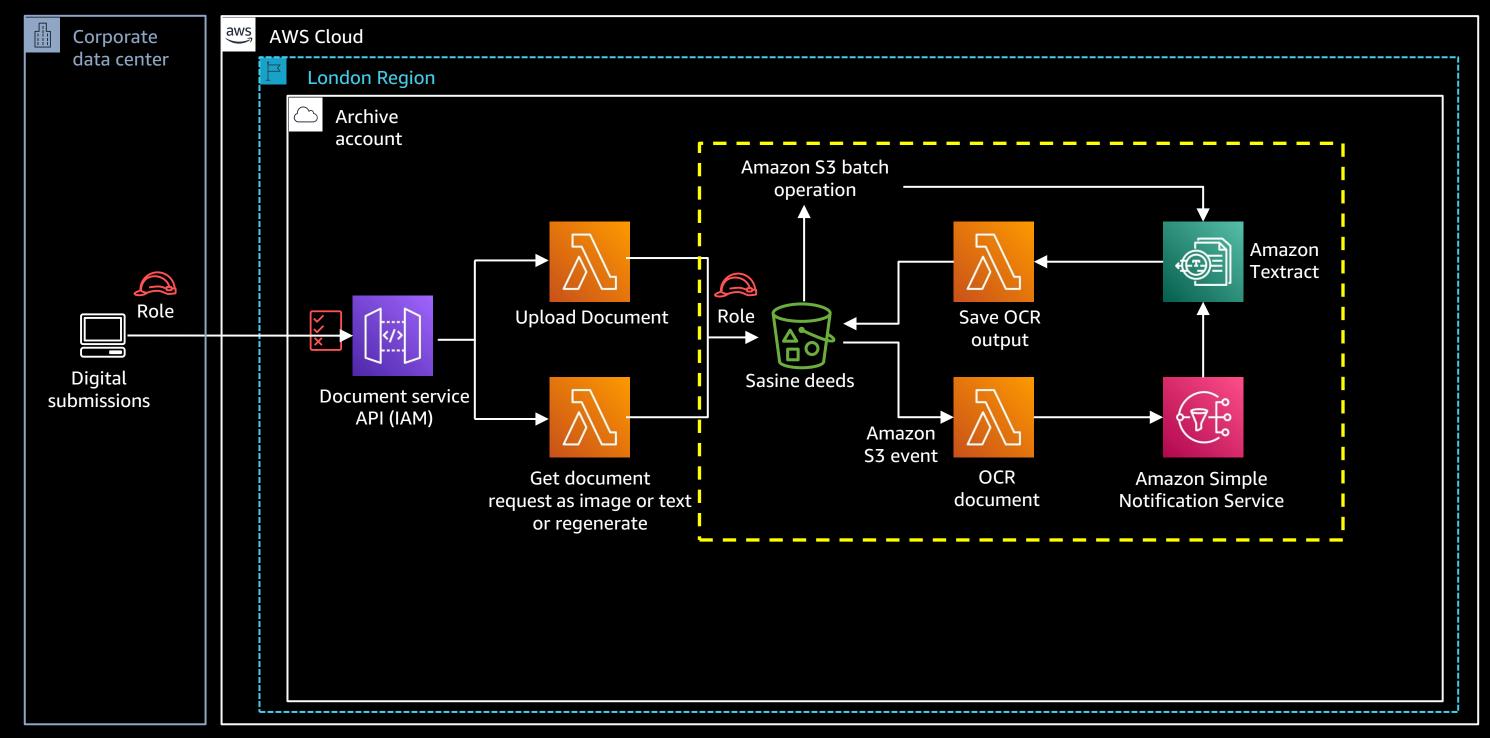
# Archiving digital submissions



### Unforeseen benefits – First registration



#### Unforeseen benefits – Amazon Textract



#### Summary

Registers of Scotland story and serverless archive architecture

Meeting strong public sector governance requirements

Encouraging adoption and unforeseen benefits



#### Wrap-up and takeaways

- 1. Use the best tools CDK with CDK pipelines is a game changer
- 2. Adoption share a service, not a stack
- 3. Executive sponsorship drive a serverless first strategy
- 4. Architect for the unforeseen enable business process simplification
- 5. AWS Well-Architected apply best practices and stay up to date

#### **Architecture resources**

#### **AWS Well-Architected Framework**

The official best practices for Architecting in the AWS Cloud

aws.amazon.com/architecture/well-architected

#### **AWS Well-Architected Labs**

Hands-on labs to help you learn, measure, and build using architectural best practices wellarchitectedlabs.com

#### **AWS Architecture Center**

Official AWS repository for all Architecture resources

aws.amazon.com/architecture

#### **AWS Solutions Library**

Vetted reference implementations and well-architected patterns

aws.amazon.com/solutions

# Thank you.





Please complete the session survey

