



AWS Columbus Learning Days

Serverless architectures - Why is everyone moving to serverless?

Curtis Darst

Sr. Solutions Architect, EDU

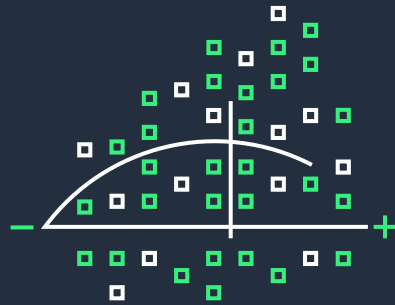
Amazon Web Services

curdarst@amazon.com

What are customers building with serverless?



**IT
automation**



**Data
processing**

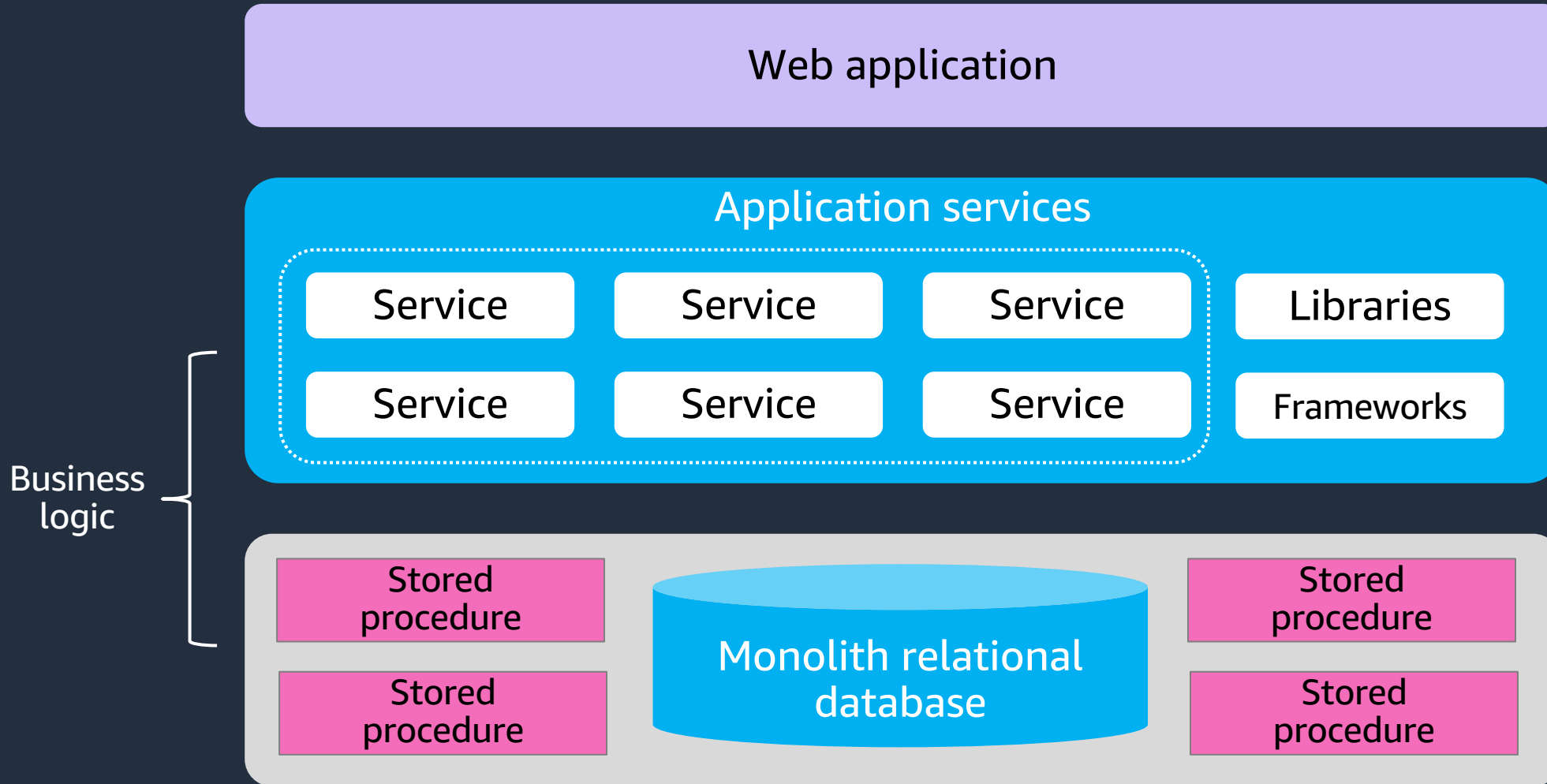


**Web
applications**

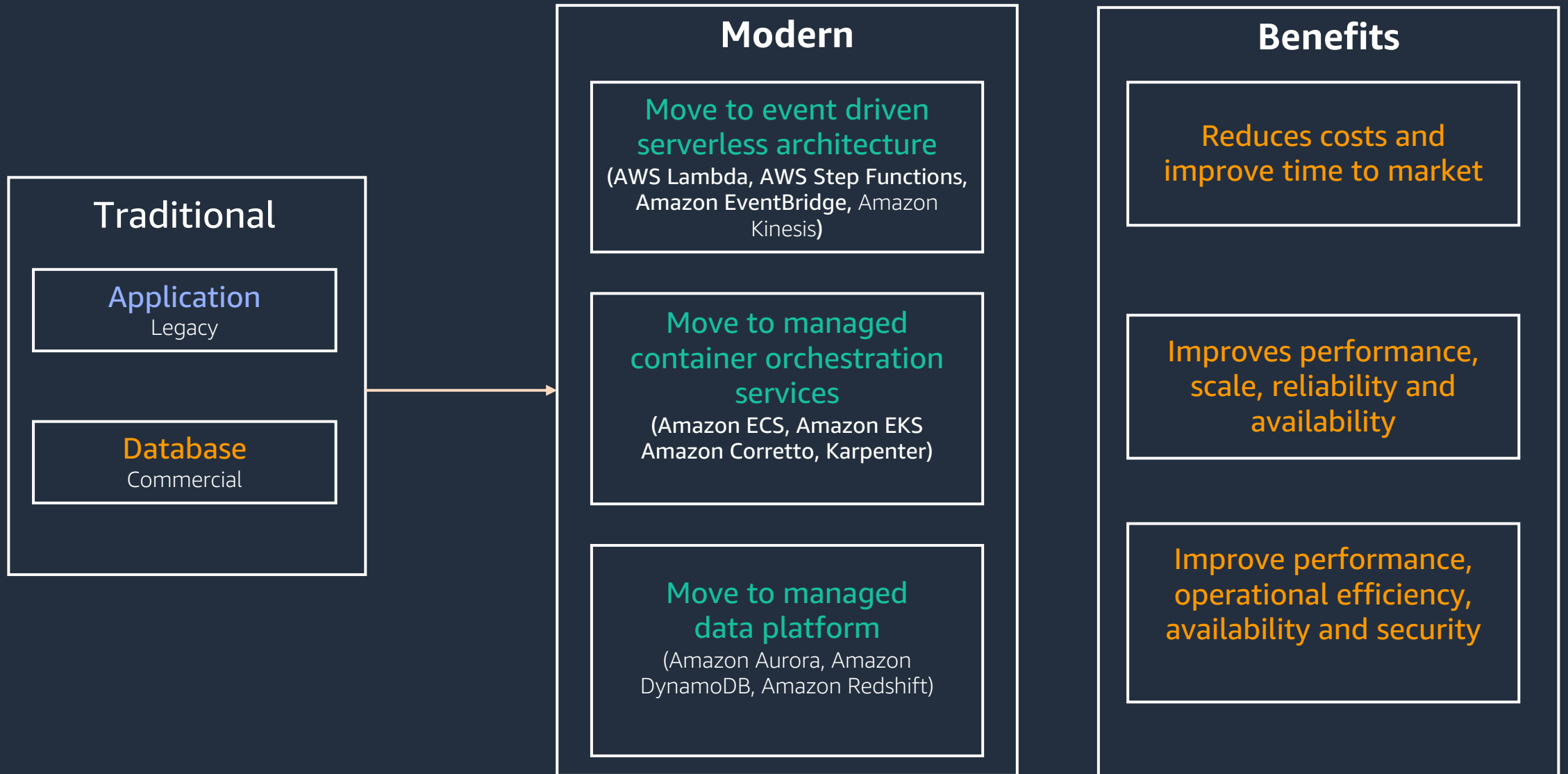


**Machine
learning**

Traditional architecture



Workload modernization



AWS serverless spectrum

AWS offers a wide portfolio of serverless services for running and building modern applications

From primitives to...

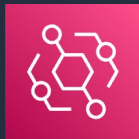
(Examples: compute, containers, buses)



AWS
Lambda



AWS
Fargate



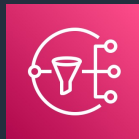
Amazon
EventBridge



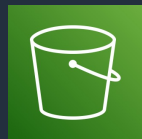
AWS
App
Runner



Amazon
Elastic
Container
Service



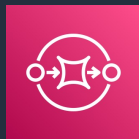
Amazon
Simple
Notification
Service



Amazon
Simple
Storage
Service



Amazon
Elastic File
System



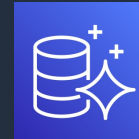
Amazon
Simple
Queue
Service



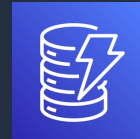
Amazon
API
Gateway

...peripherals

(Examples: databases, analytics, workflows)



Amazon
Aurora
Serverless



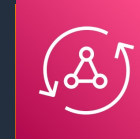
Amazon
DynamoDB



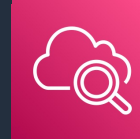
Amazon
Kinesis



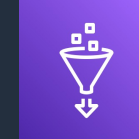
AWS
Step
Functions



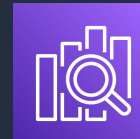
AWS
AppSync



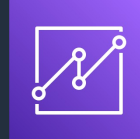
Amazon
CloudWatch



AWS
Glue

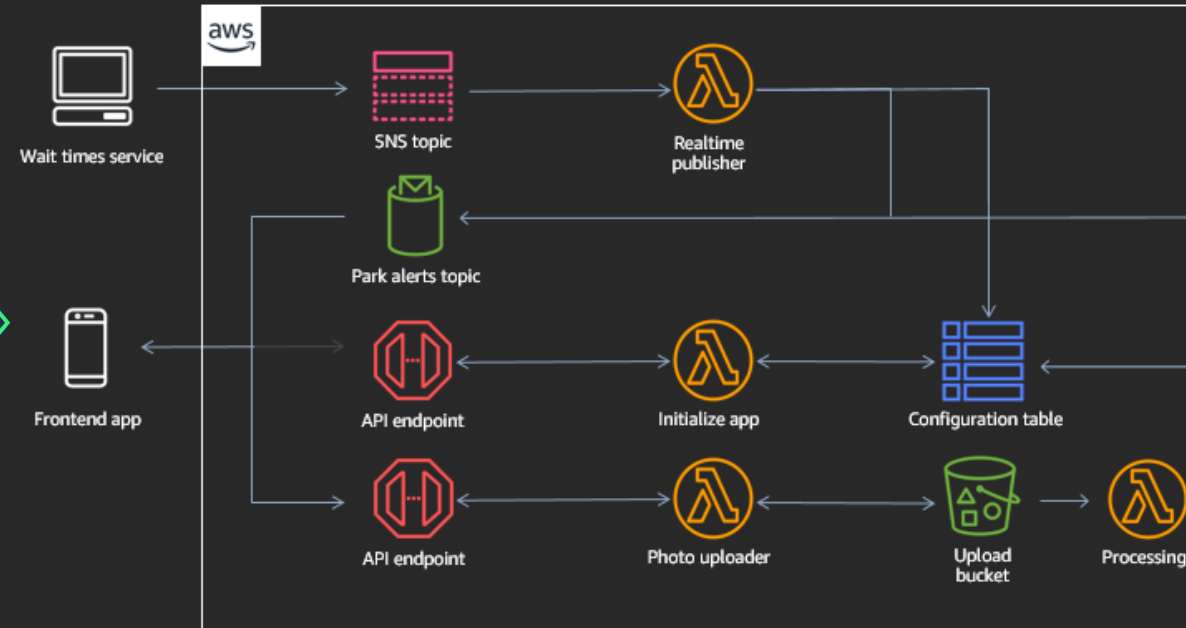
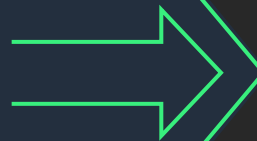
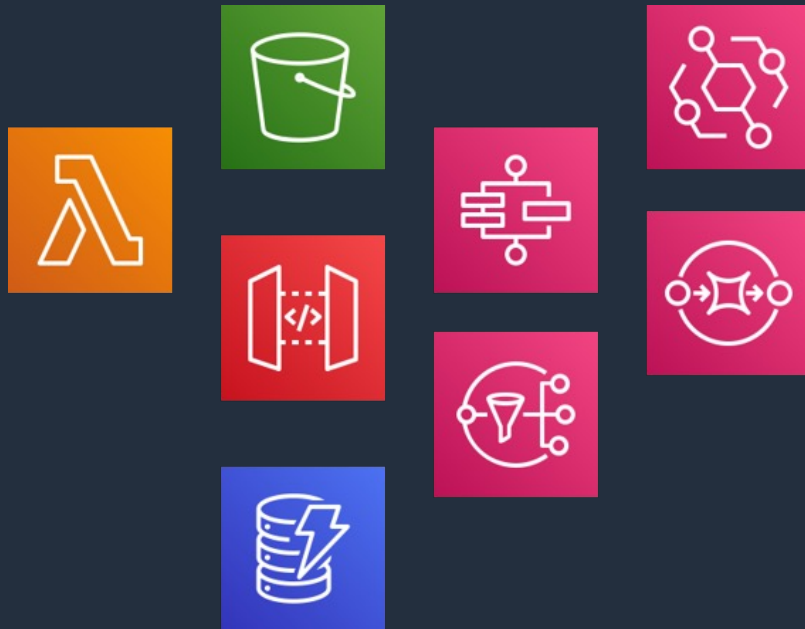


Amazon
OpenSearch

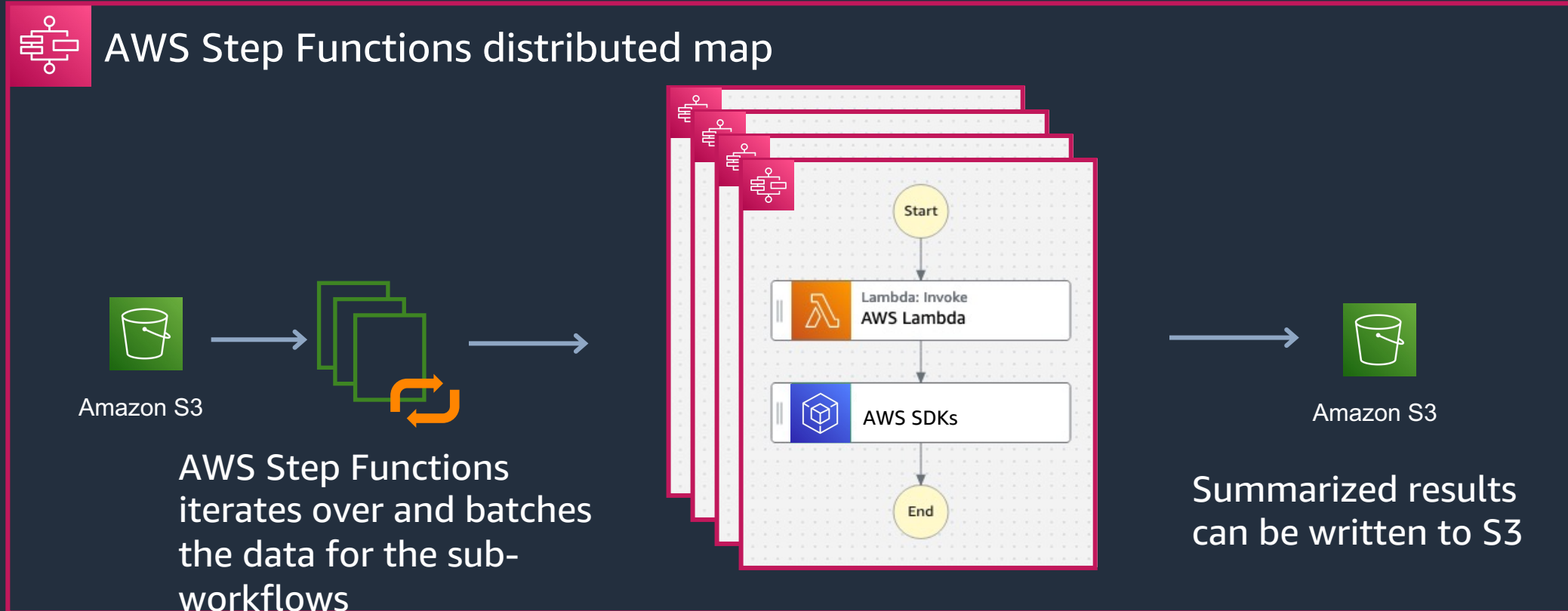


Amazon
QuickSight

Small pieces, loosely joined

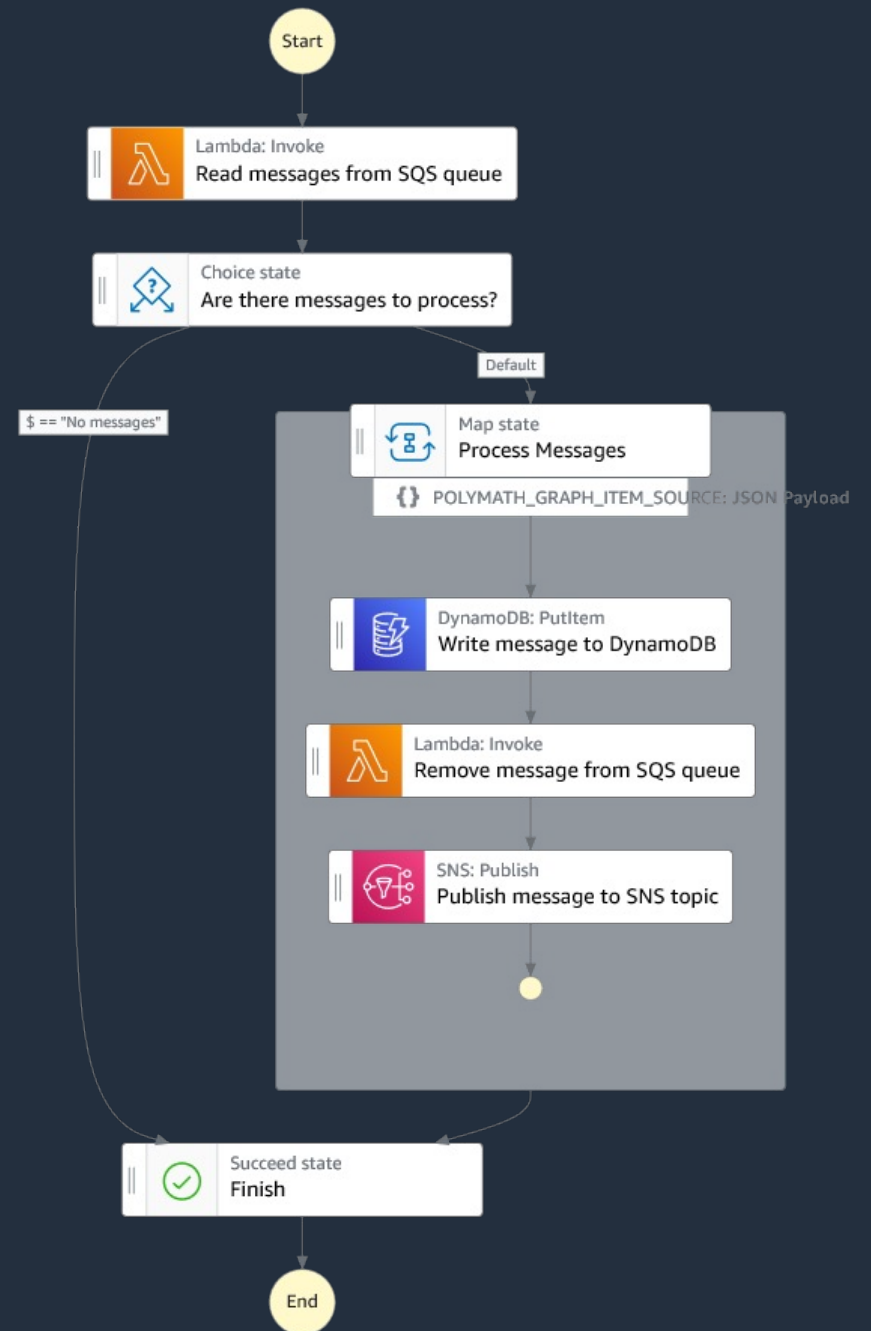
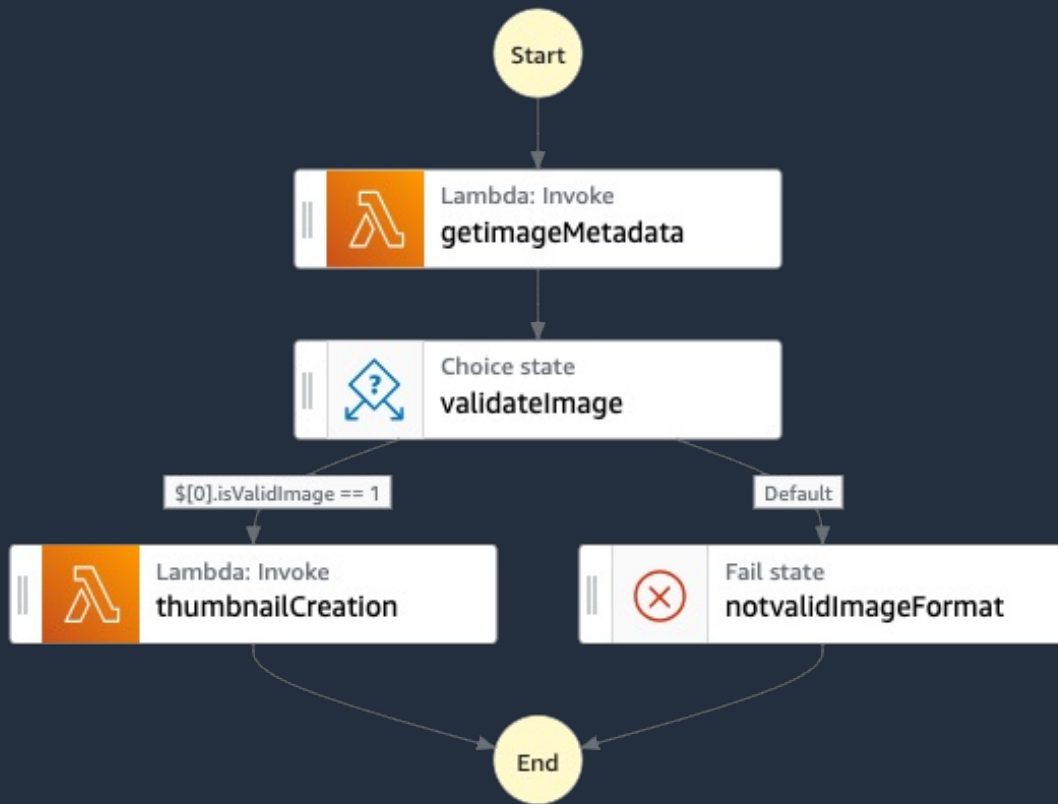


Orchestration with AWS Step Functions

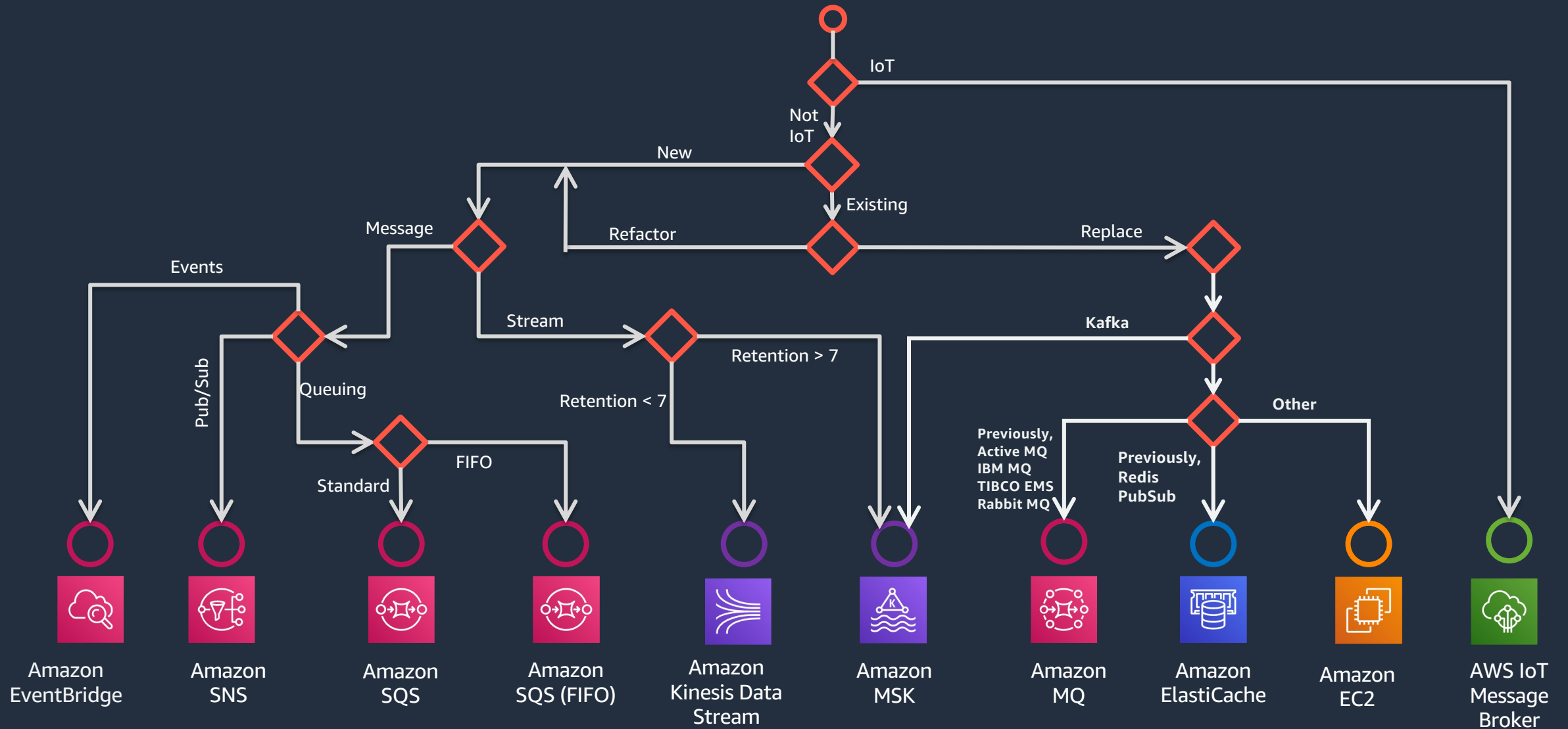


AWS Step Functions runs the child workflows to process each item or batch of items, in parallel.





A decision tree?





Thank you!

Curtis Darst

Sr. Solutions Architect,
EDU

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Please complete the survey:



Track: Application modernization and
security

Session: Serverless architectures - Why is
everyone moving to serverless?