
AWS
re:Invent

DOP308

Understanding how deployments affect application performance

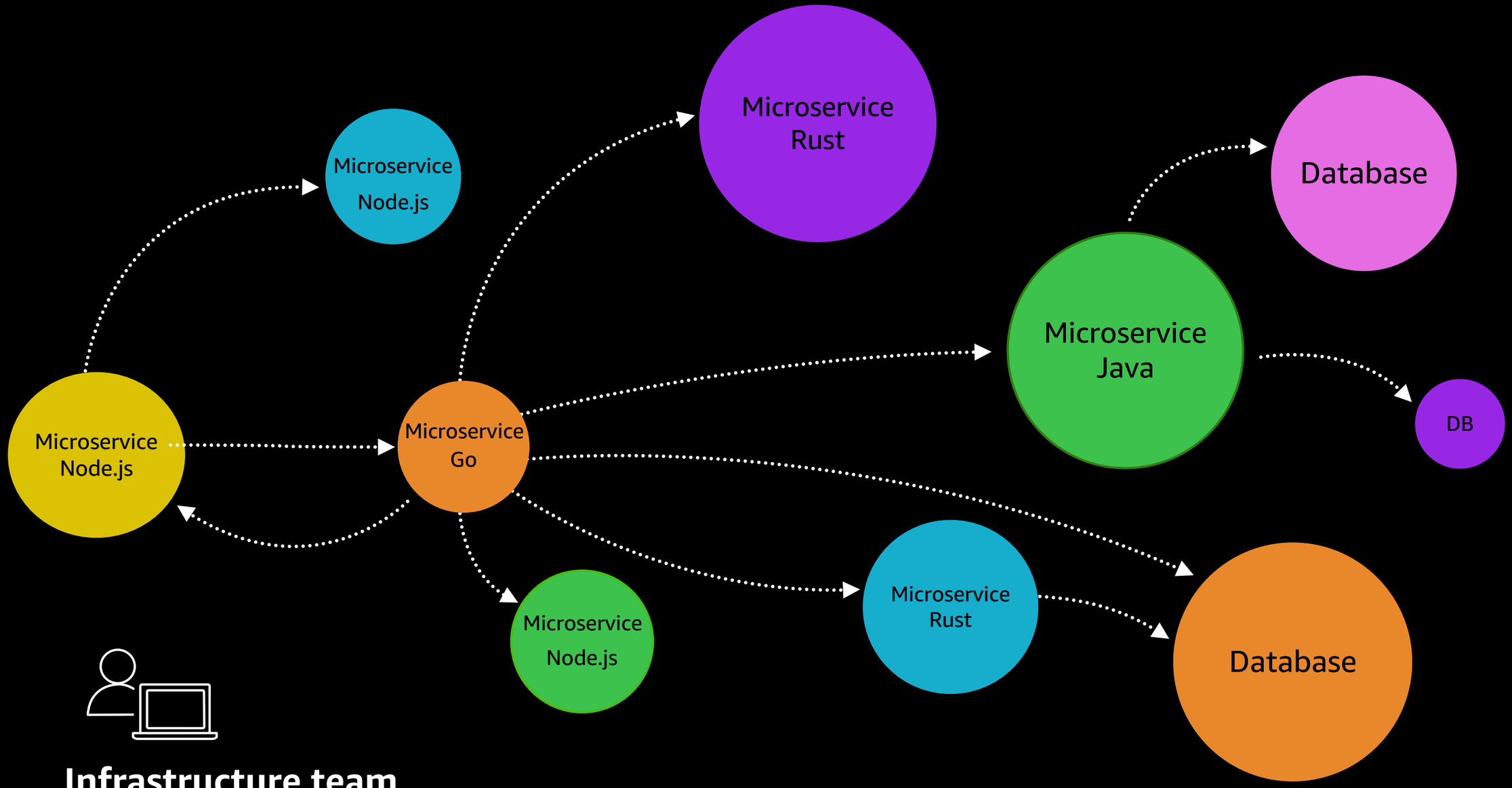
Sirirat Kongdee

Senior Solutions Architect

AWS

AWS re:Invent

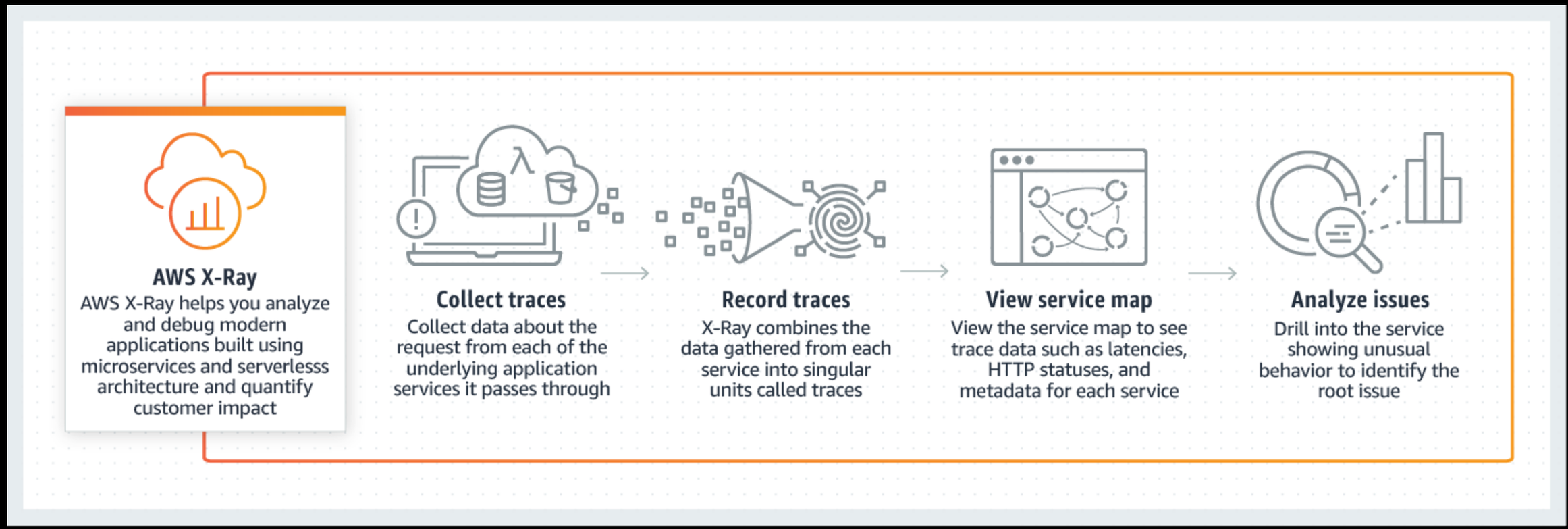
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Microservice
Node.js
Microservice
Rust
Database
Microservice
Java
DB
Microservice
Node.js
Microservice
Go
Microservice
Node.js
Microservice
Rust
Database
Infrastructure team

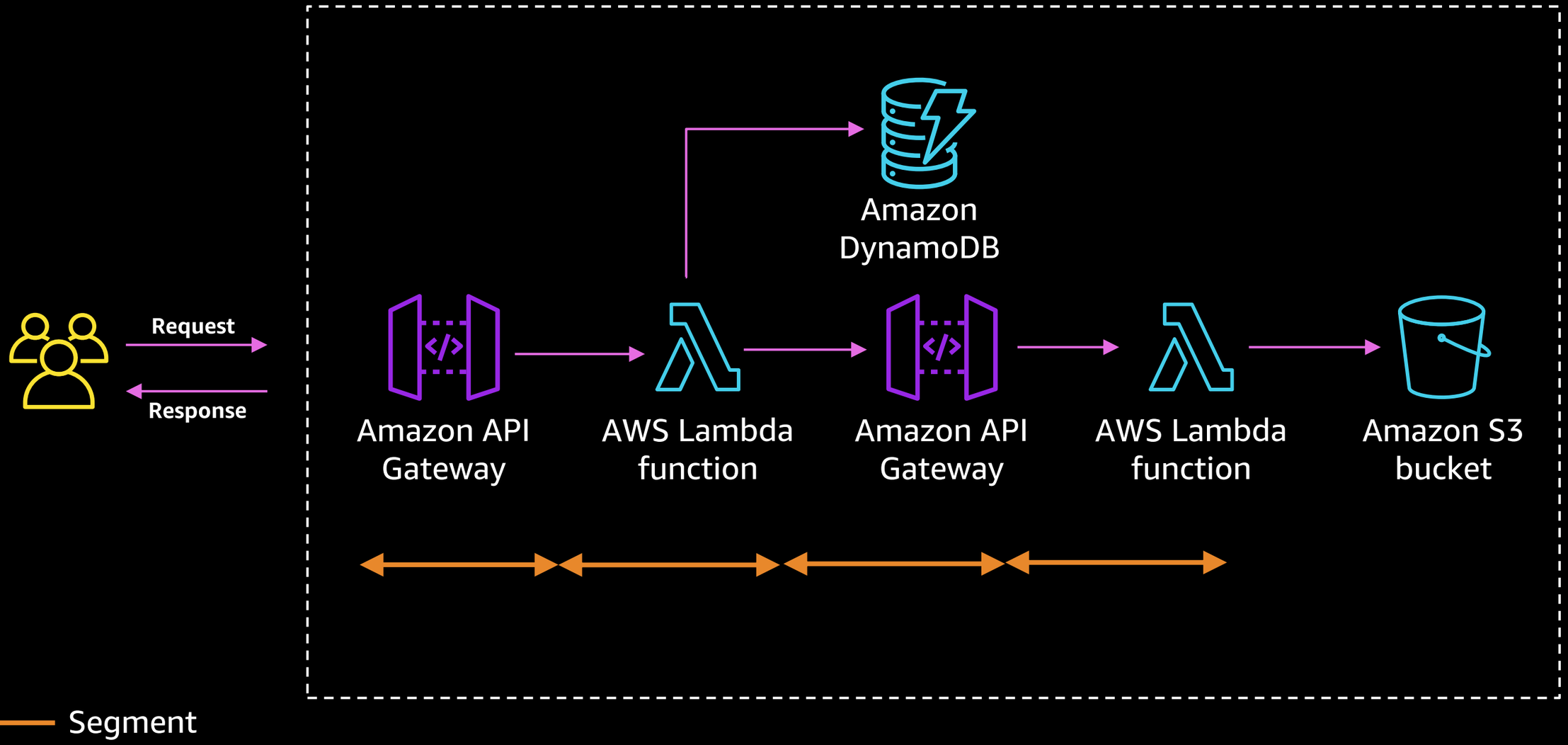
AWS X-Ray overview

AWS X-Ray helps developers analyze and debug applications, especially those that are built using microservices architecture, to identify the root cause and end-user impact

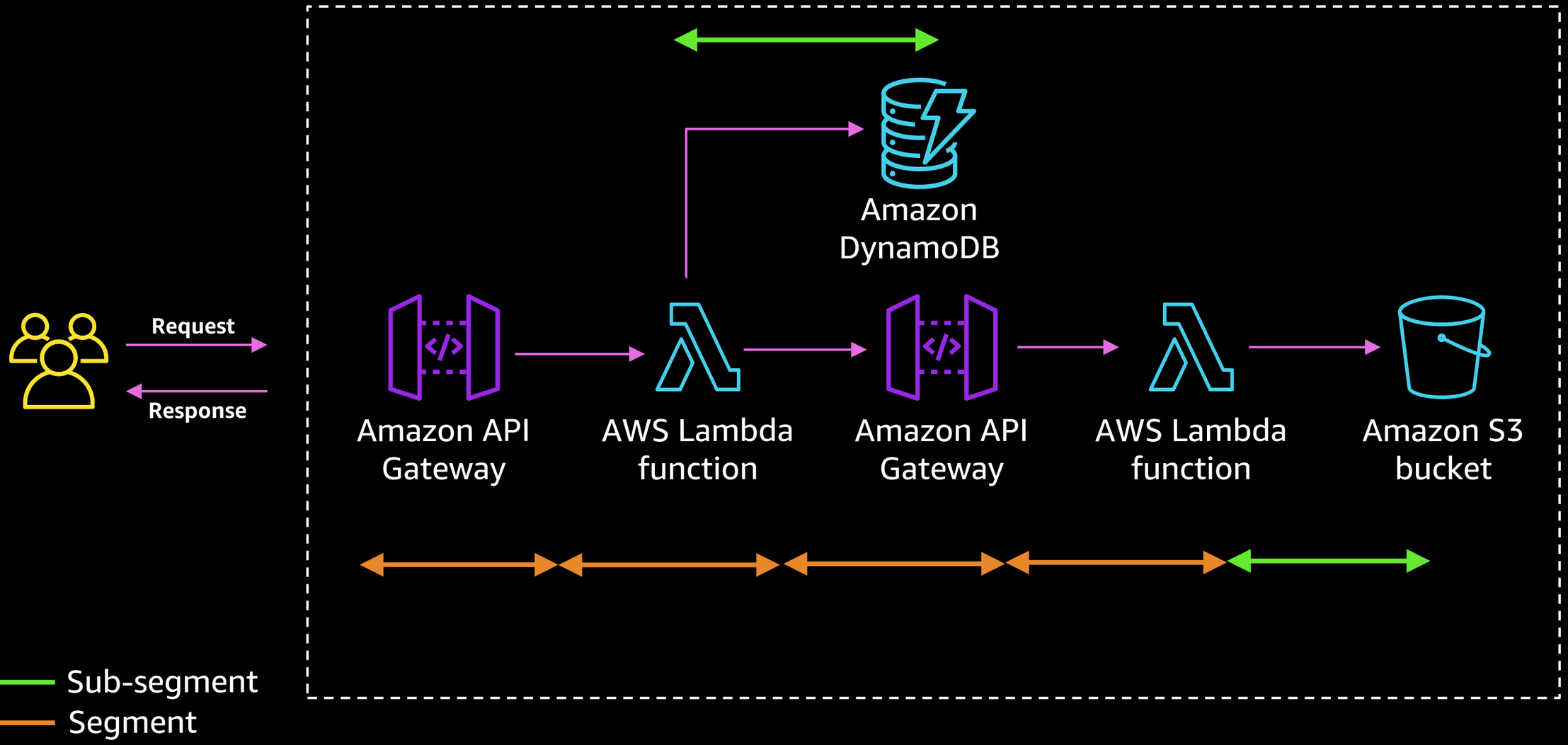
How AWS X-Ray works



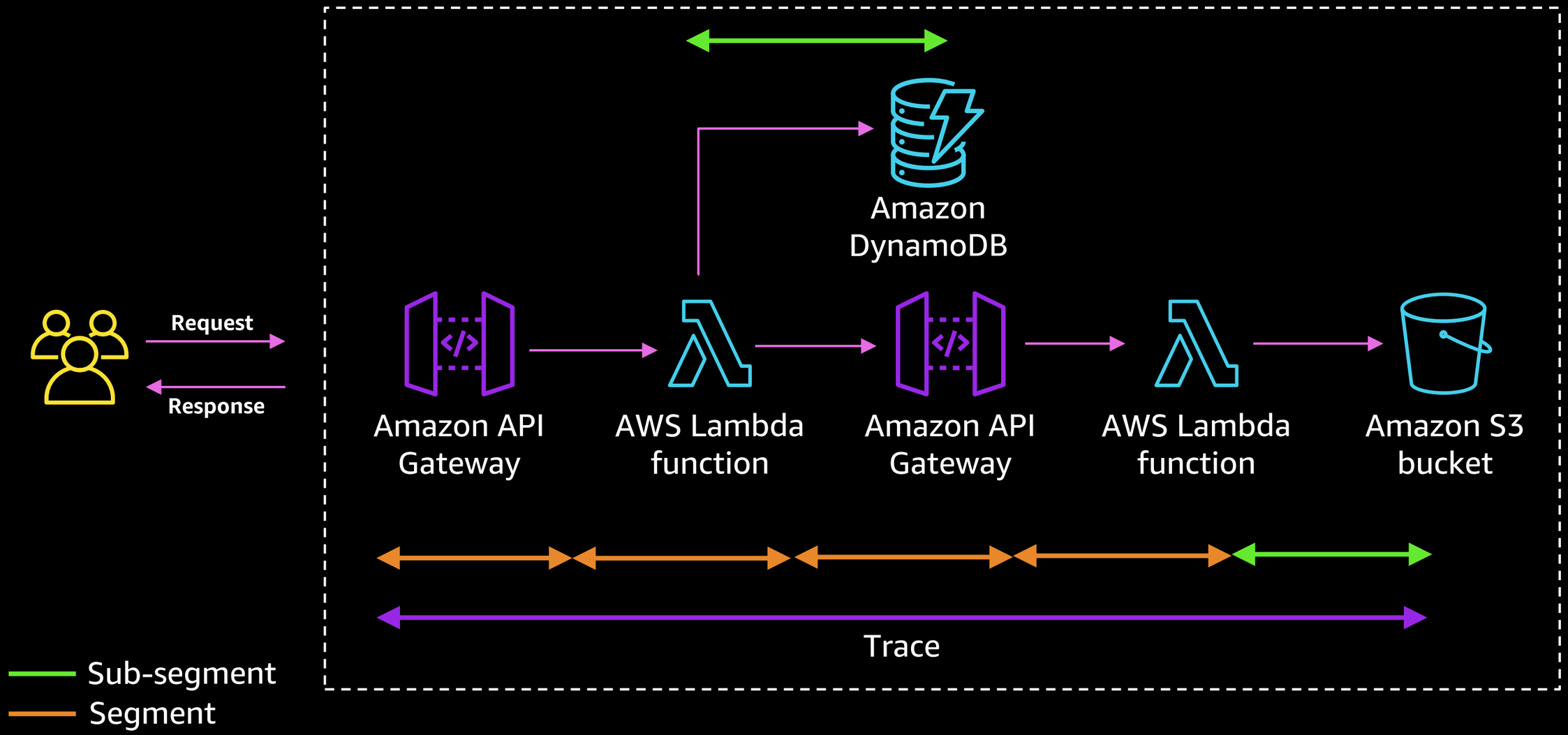
Segment


Request
Response
Amazon DynamoDB
Amazon API Gateway
AWS Lambda function
Amazon API Gateway
AWS Lambda function
Amazon S3 bucket
Segment

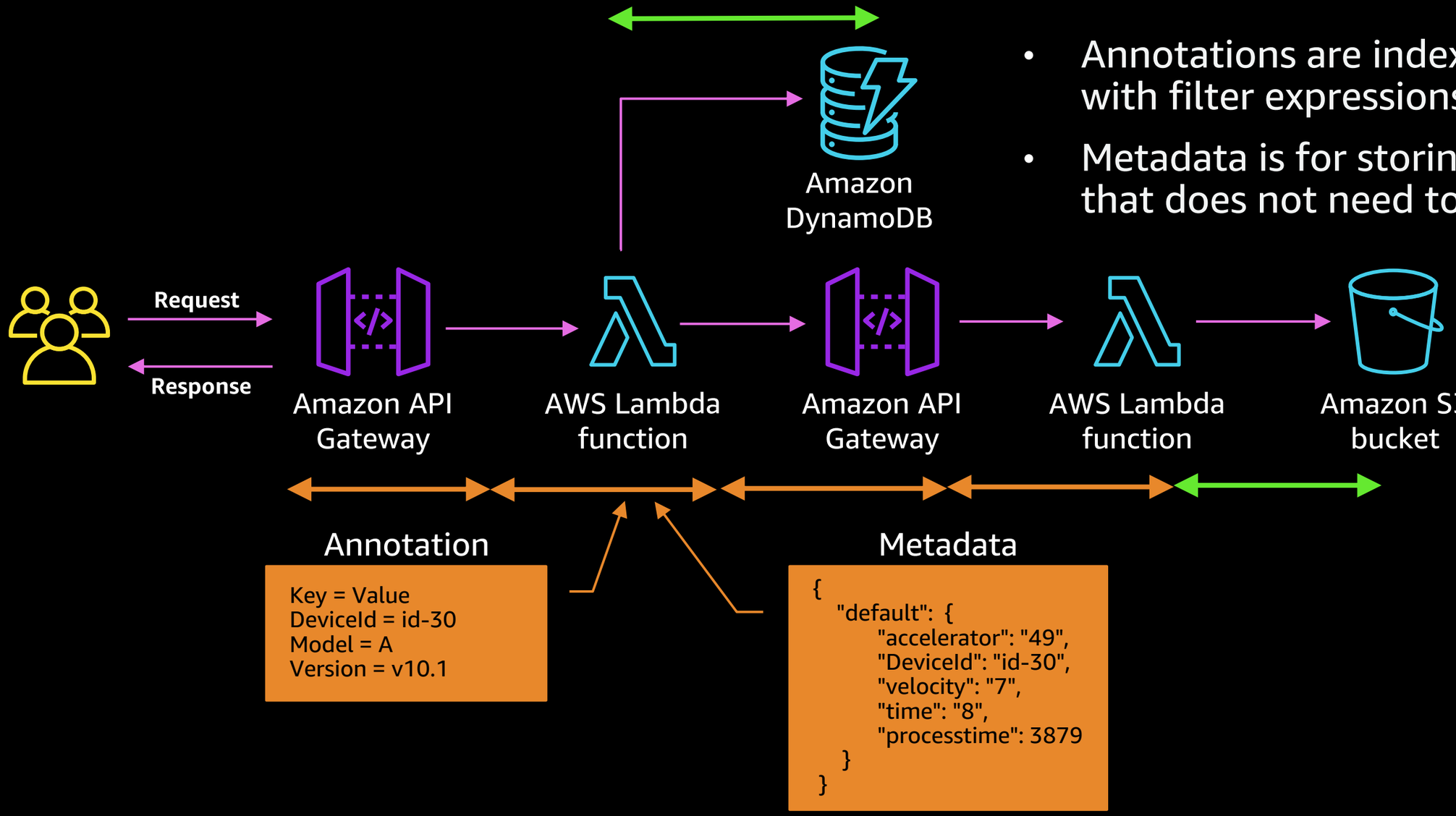
Sub-segment


Amazon DynamoDB
Request
Response
Amazon API Gateway
AWS Lambda function
Amazon API Gateway
AWS Lambda function
Amazon S3 bucket
Sub-segment
Segment

User-centric approach



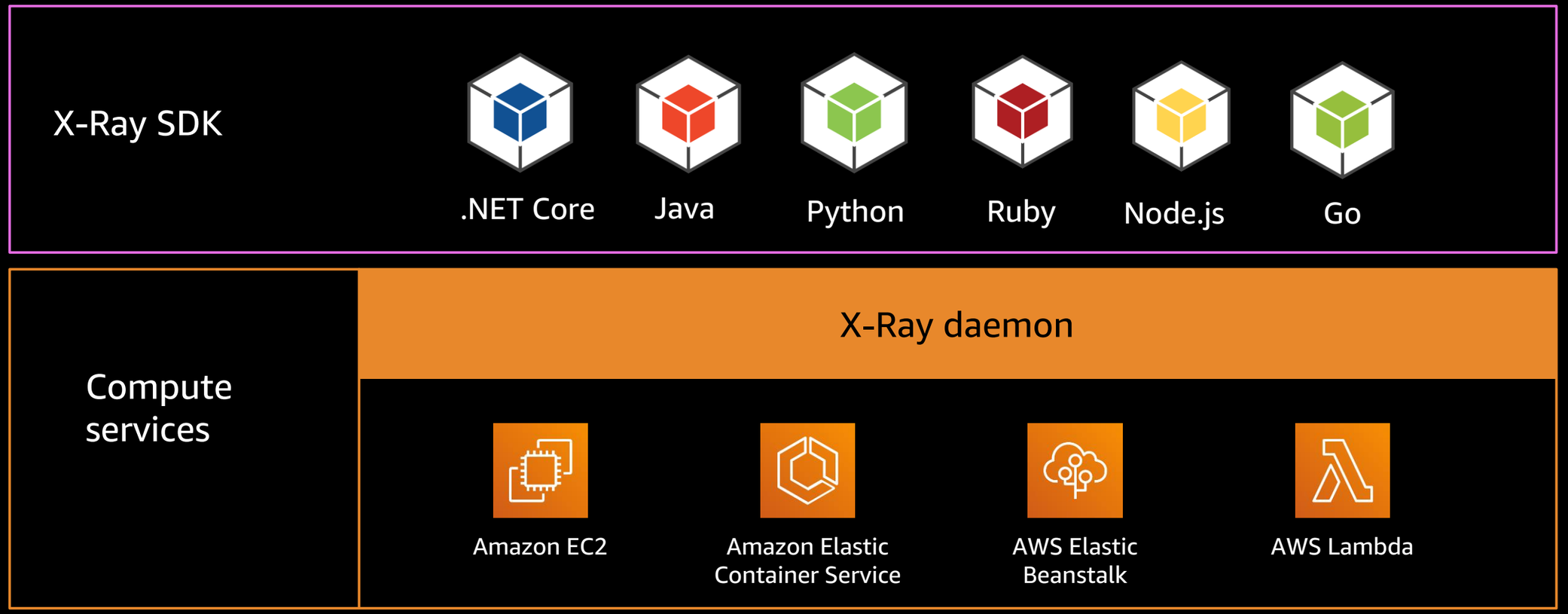
Annotation and metadata



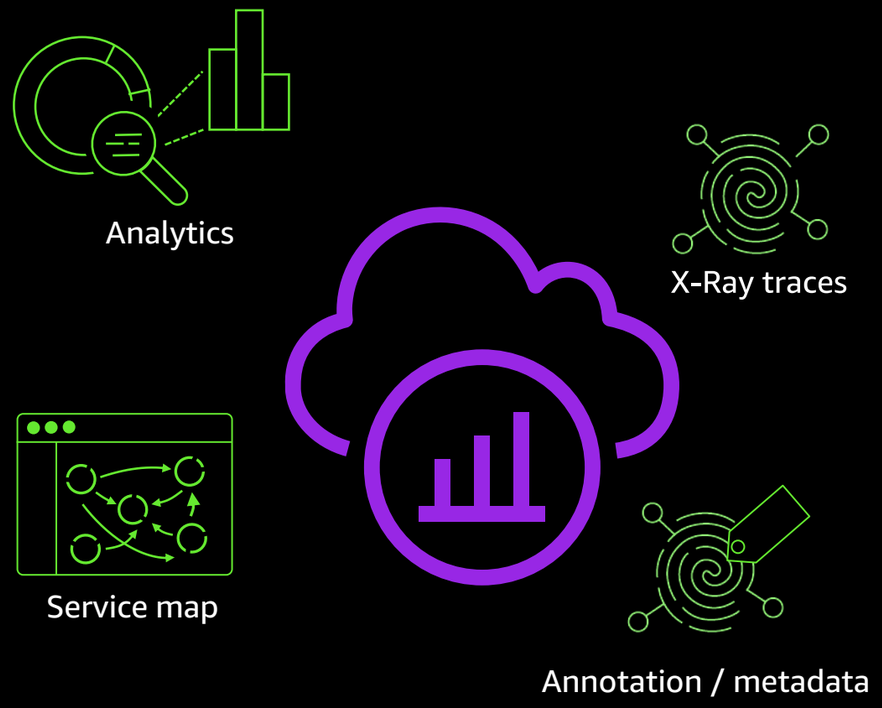
- Annotations are indexed for use with filter expressions
- Metadata is for storing data that does not need to be searched

AWS X-Ray feature

SIMPLE SETUP



Monitoring and observability



AWS X-Ray

Provides a trace or an end-to-end view of requests traveling through your application

Related sessions

BLD205 Monitoring production services at Amazon

BLD207 Hands-off: Automating continuous delivery pipelines at Amazon

Thank you!



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