



AWS re:Invent

GPSTEC326

How to build next-generation monitoring capabilities on AWS?

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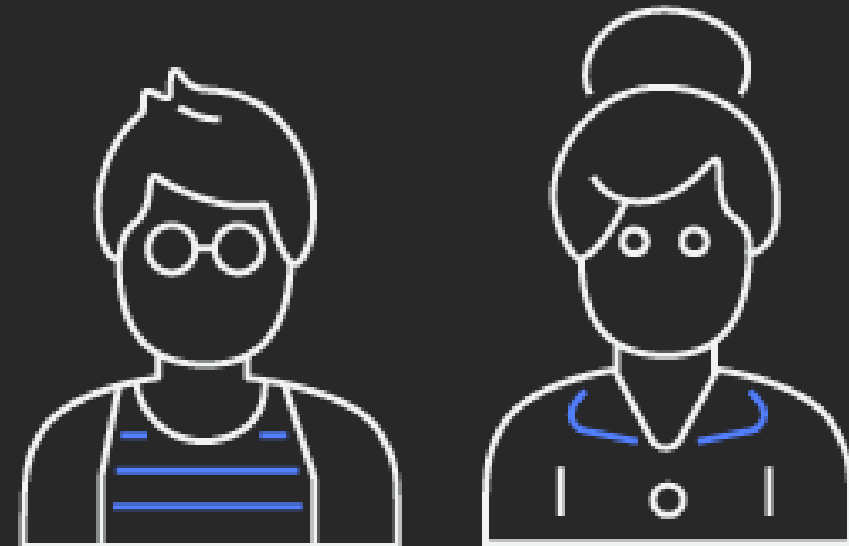
Sr. Solutions Architect
Amazon Web Services

What is a chalk talk and agenda

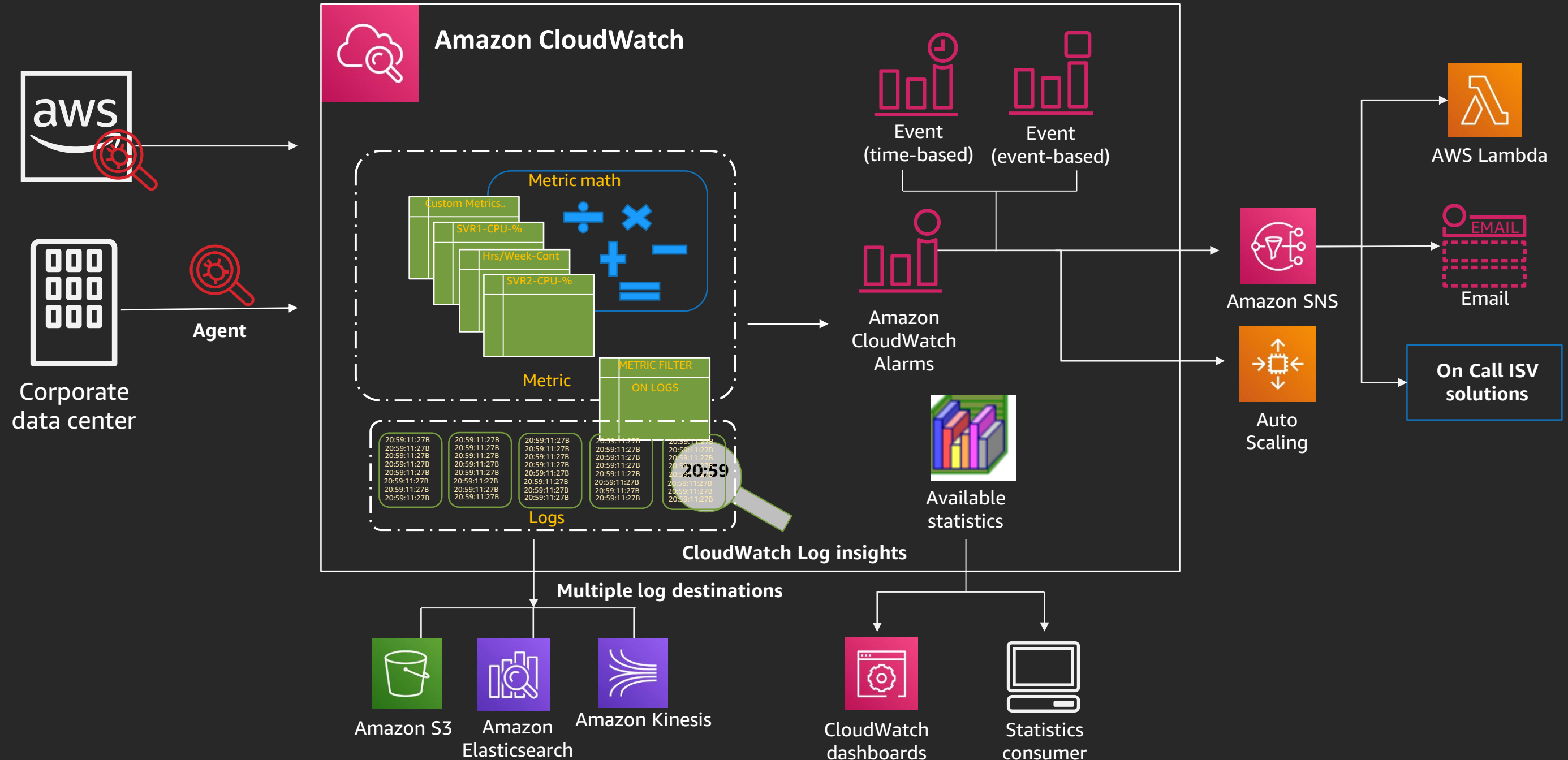
Next 15 minutes we will cover
the challenges in monitoring
and possible solutions



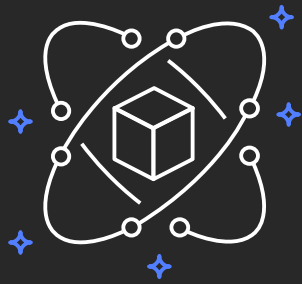
This session is all about you!



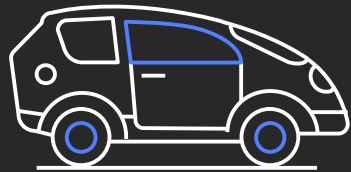
Basic monitoring



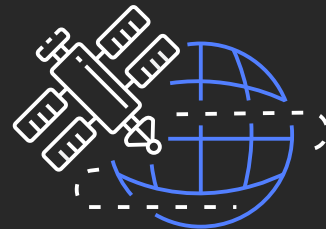
What do we mean by next-gen monitoring?



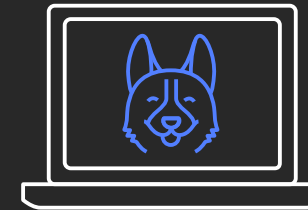
Dynamic workload



Scale



Heterogenous sources

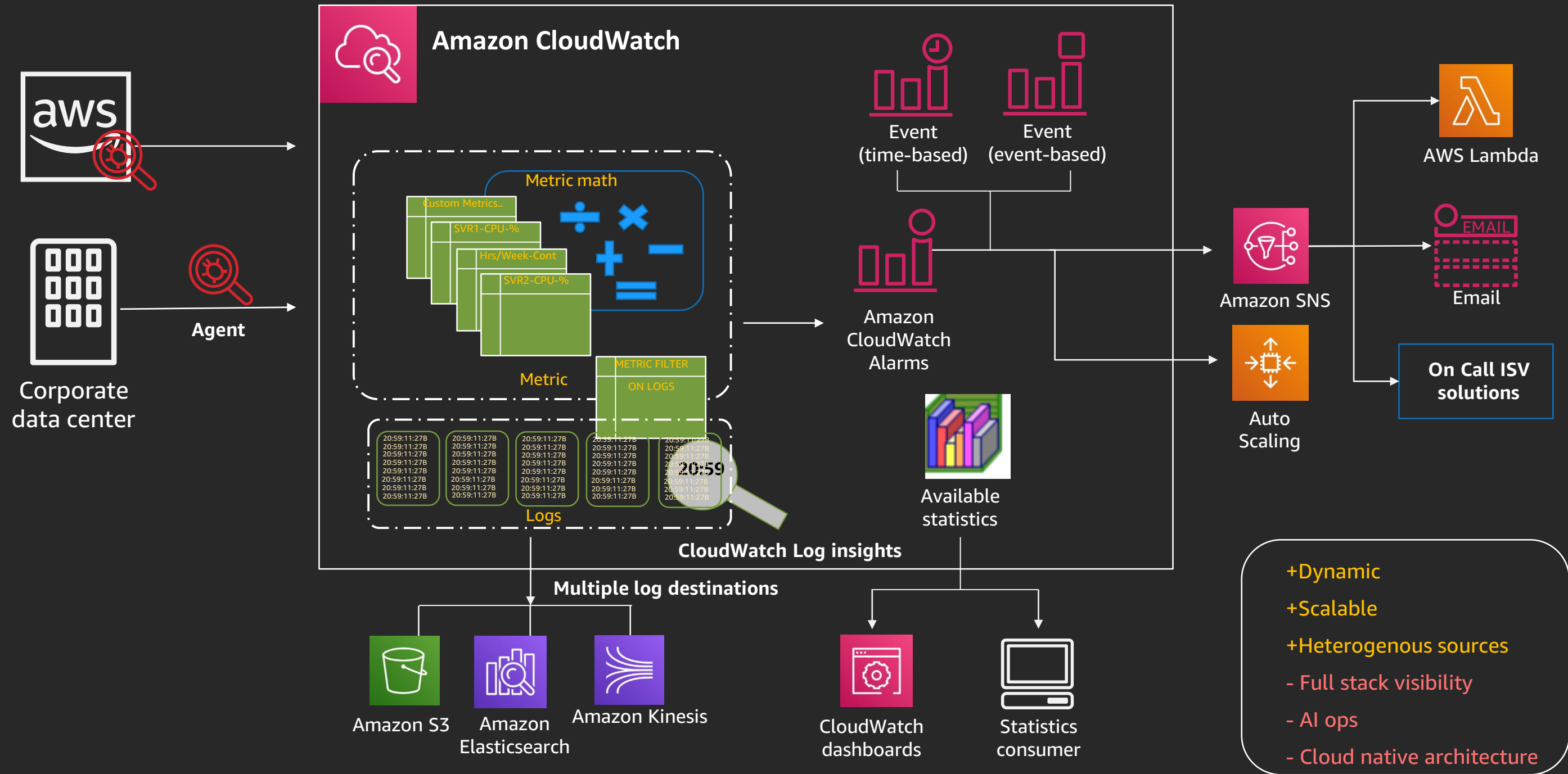


Full stack visibility



AI OPS

What is missing?





AWS observability portfolio



Amazon CloudWatch

New capabilities

- Service lens
- Anomaly detection
- Container Insights
- Application Insights
- Contributor Insights 
- Synthetics 



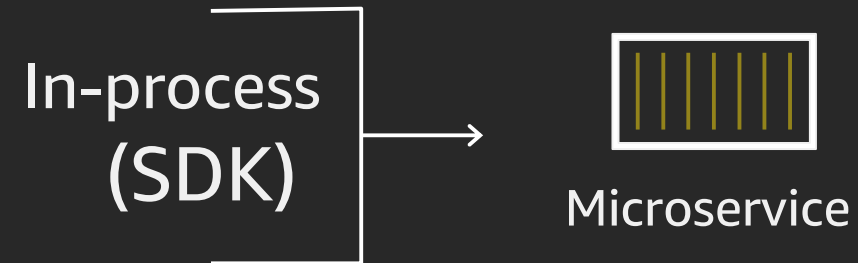
AWS X-Ray

Analyze and debug production, distributed applications

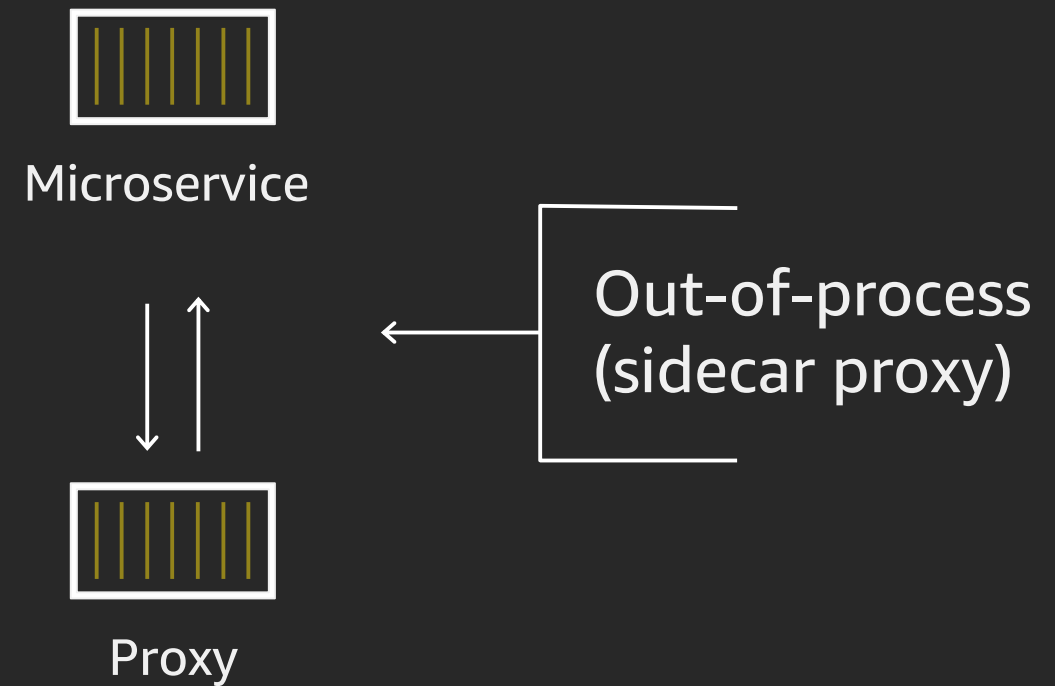
- Identify performance bottlenecks
- Troubleshoot root cause
- Trace user requests
- For simple & complex applications

Tracing microservices – options

Option 1



Option 2



AWS App Mesh



Observability & traffic control

Easily export logs, metrics, and traces

Client side traffic policies—circuit breaking, retries

Routes for deployments

Works across clusters and container services

Amazon ECS

Amazon EKS

Kubernetes on EC2

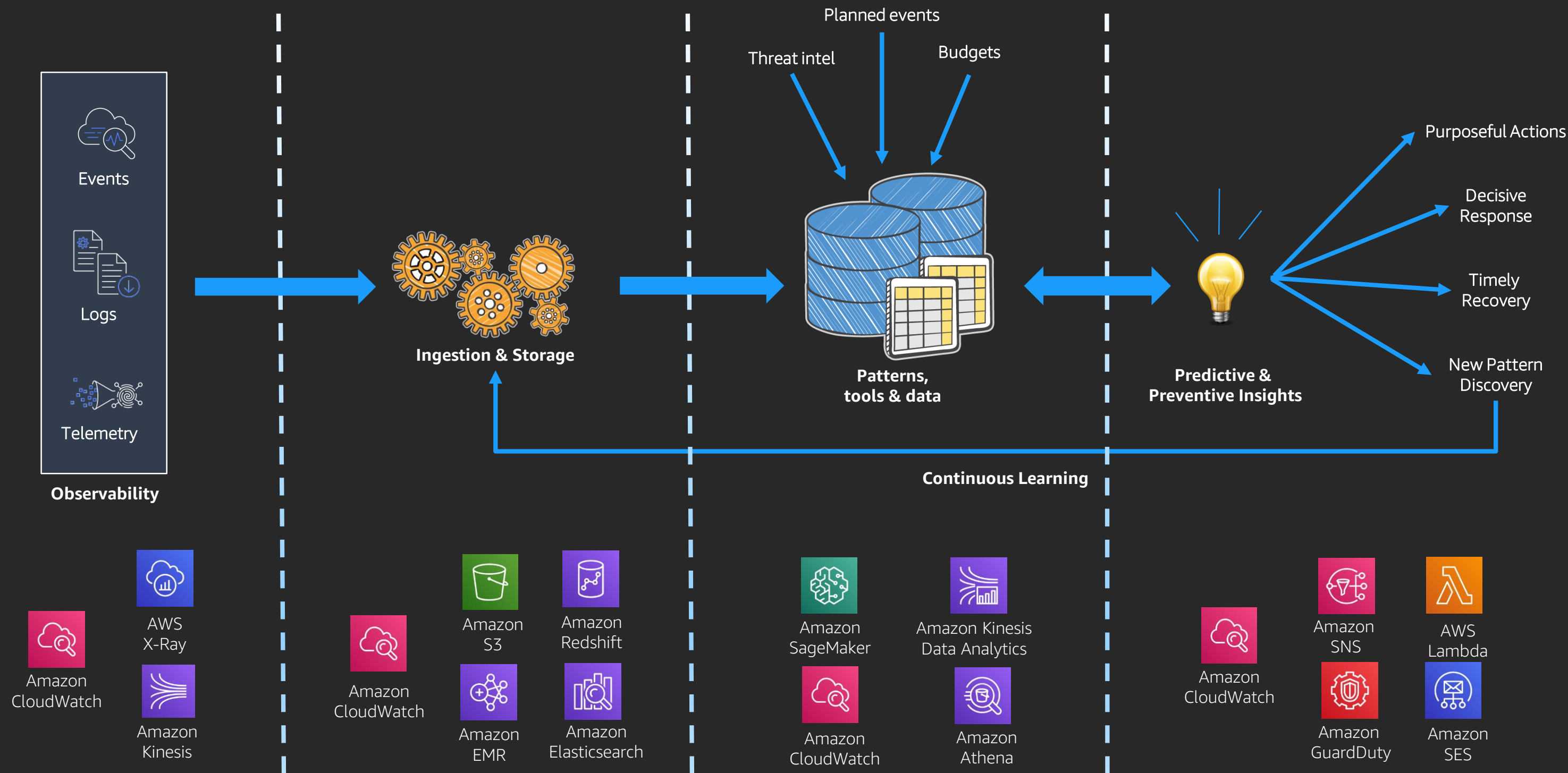
AWS built and run

No control plane to manage

Ease of operations

High scale

Four steps to achieve the right monitoring



Let's hear from you





Please complete the session
survey in the mobile app.

Thank you!

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Next-gen Monitoring

