
AWS
re:Invent
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COP316

How to monitor applications across multiple accounts

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Cross-account observability in Amazon CloudWatch

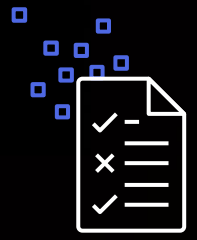
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Agenda

- Launch announcement
- Leveraging CloudWatch unified observability
- Live demo

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AWS observability: Data drives decisions



Collect data



Monitor performance



Analyze patterns



Act

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Observability choices

Observability

AWS native services

CloudWatch ServiceLens

- Container Insights
- Lambda Insights
- Contributor Insights
- Application Insights
- Metric Insights
- Events
- Dashboards
- Alarms
- RUM
- Evidently
- Metrics
- Logs
- Synthetics
- AWS X-Ray
- CW internet monitoring

Open-source managed services

Amazon Managed Grafana

Do it yourself (DIY)

- Amazon OpenSearch Service
- Amazon Managed Service for Prometheus
- Jaeger & Zipkin tracing

Insights & ML

CloudWatch agent

AWS X-Ray agent

Collectors and SDKs

AWS Distro for OpenTelemetry

Instrumentation

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Challenge: Monitoring applications deployed across multiple AWS accounts

Scale

Overhead

Resolution time



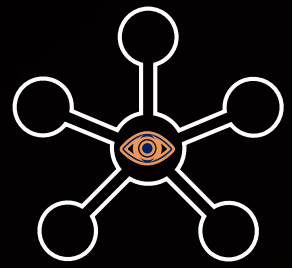
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Launching cross-account observability across CloudWatch

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Reduce cost, time, and effort in centralized monitoring

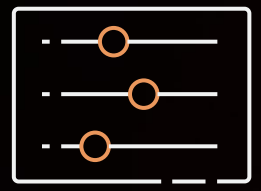
NEW RELEASE: CROSS-ACCOUNT OBSERVABILITY IN AMAZON CLOUDWATCH



Birds-eye view across multiple accounts



Reduced mean time to resolution



Easy to set up



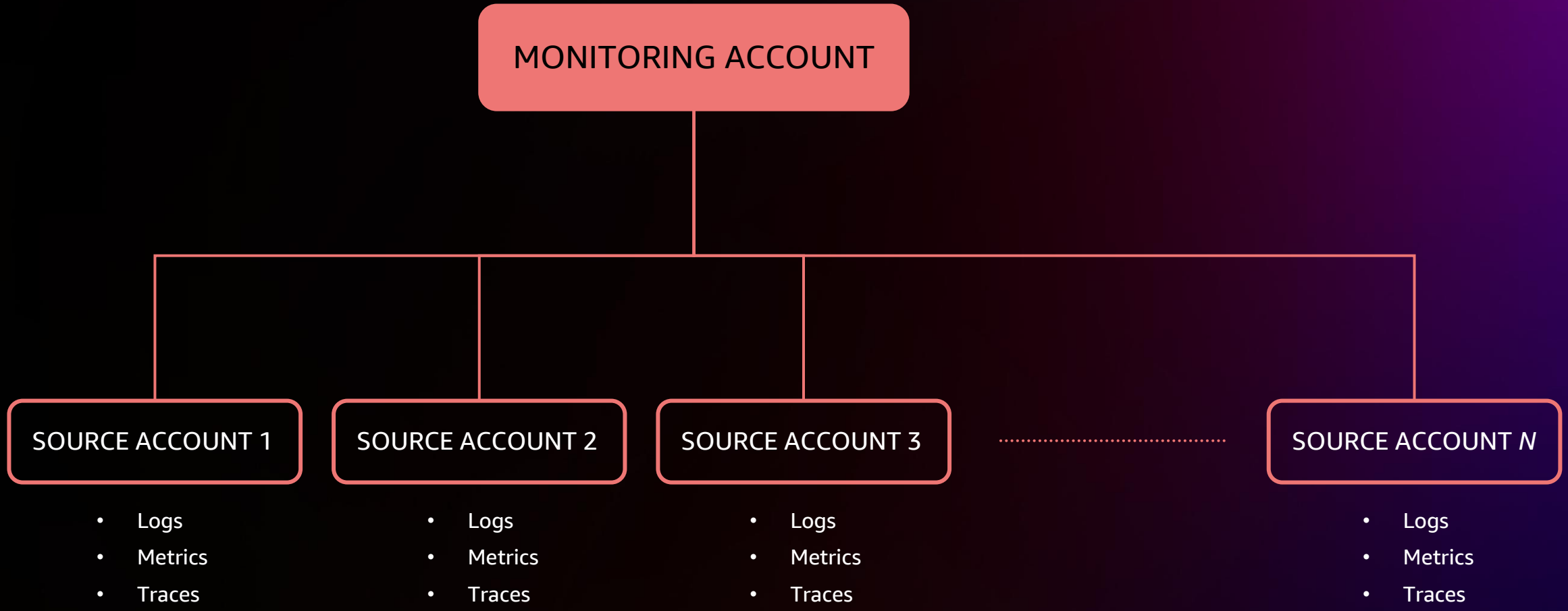
No additional cost

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Concepts: Cross-account observability experience in CloudWatch

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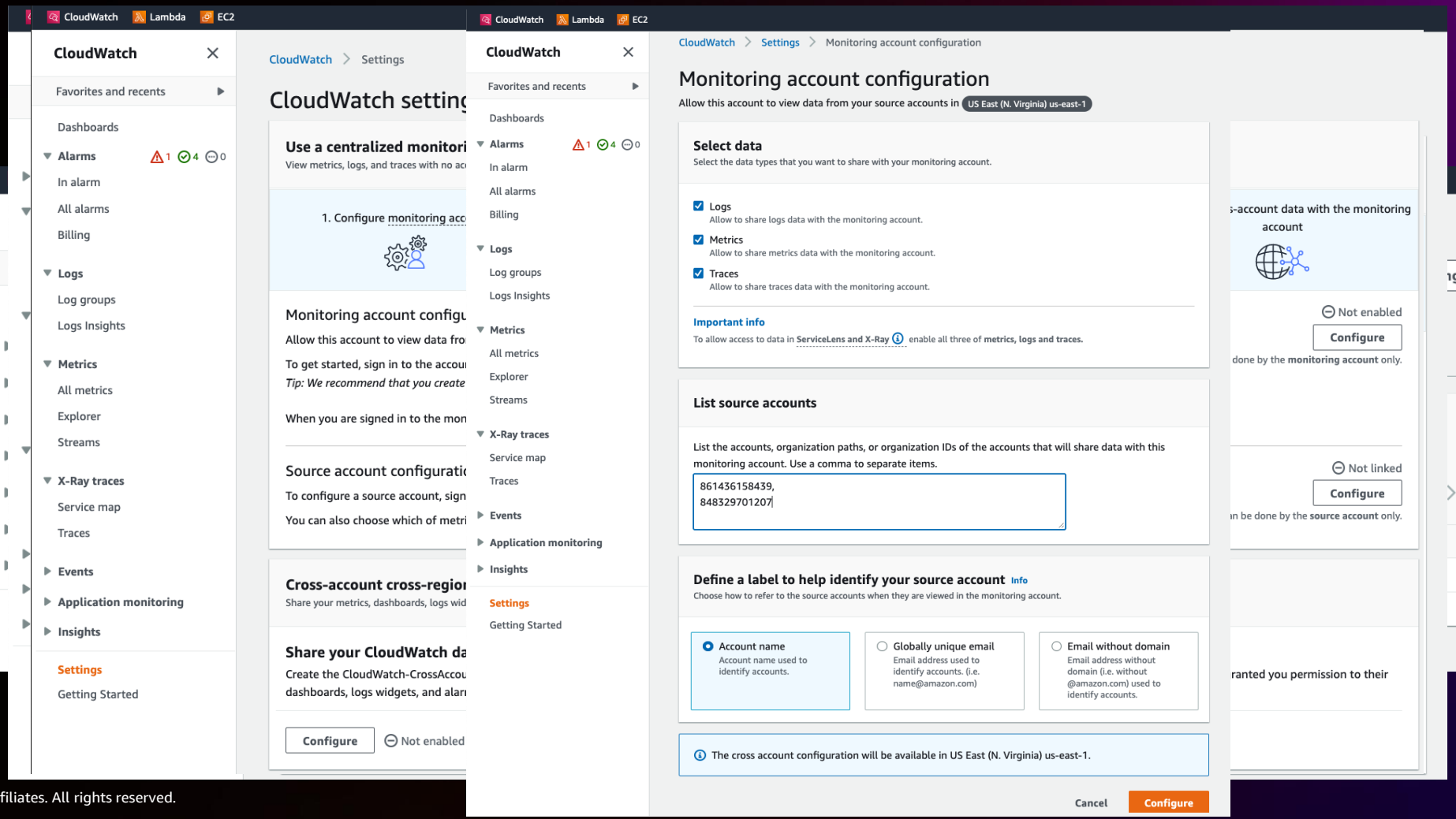


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Configure your centralized monitoring setup easily

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Set up your centralized monitoring configuration within minutes

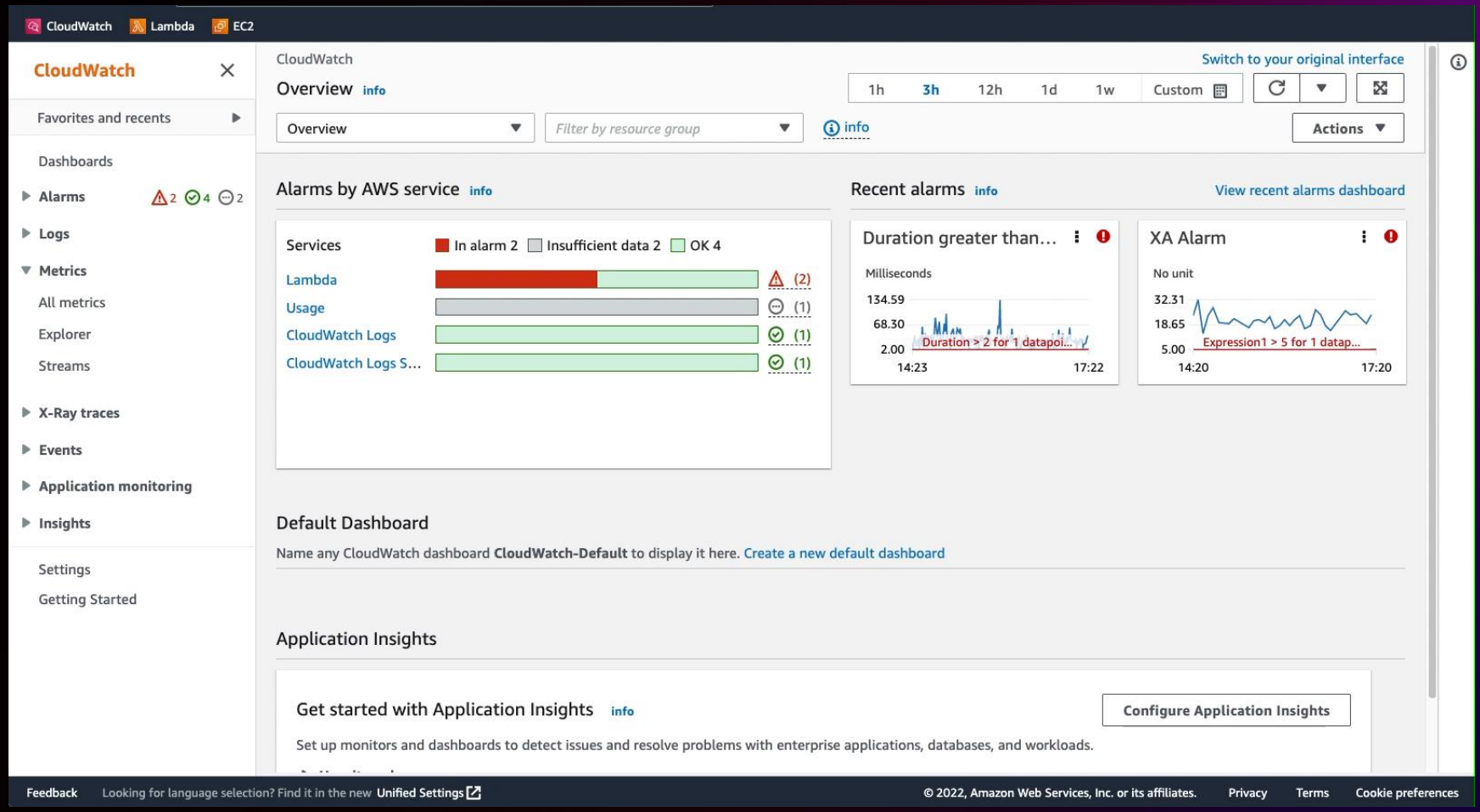


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Use CloudWatch analytics across multiple accounts

NEW RELEASE: CROSS-ACCOUNT OBSERVABILITY IN AMAZON CLOUDWATCH

Monitor your company-wide telemetry as if you were operating in a single account

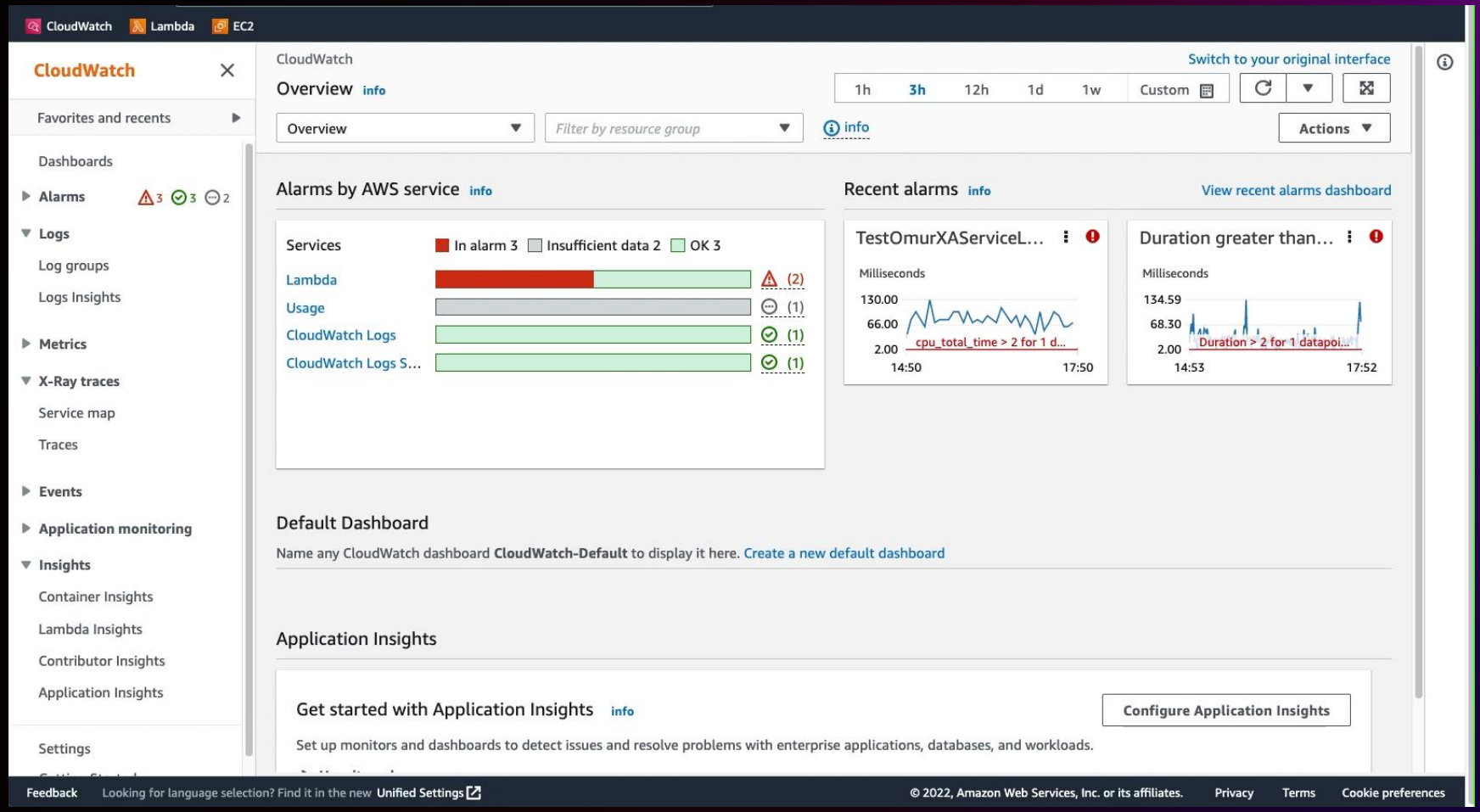


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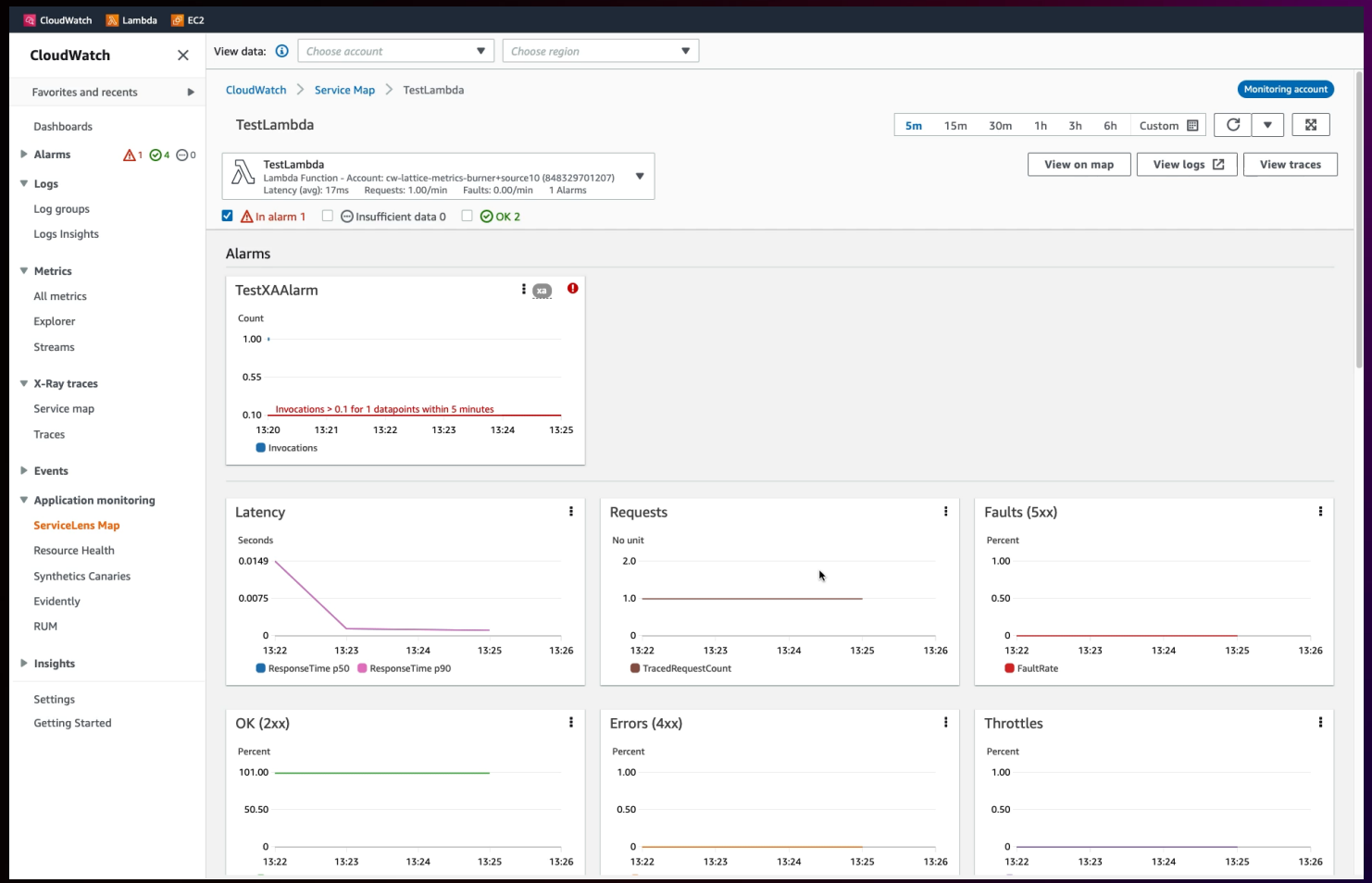


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Single-pane-of-glass observability for your applications

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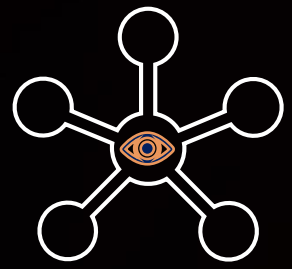
Use cross-account AWS X-Ray and CloudWatch ServiceLens to pinpoint issues quickly and to troubleshoot your cross-account applications efficiently



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Reduce cost, time, and effort in centralized monitoring

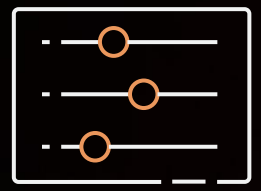
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Birds-eye view across multiple accounts



Reduced mean time to resolution



Easy to set up



No additional cost

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How JPMorgan Chase & Co. leverages CloudWatch cross-account observability feature for centralized monitoring

NEW RELEASE: CROSS-ACCOUNT OBSERVABILITY IN AMAZON CLOUDWATCH

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JP Morgan Chase site reliability engineering

Focus

- Our customers first
- Stability, reliability, and resiliency
- Service-level objectives
- Monitoring and observability
- Automation and toil reduction
- Culture and skills

Why?

- Process on average $9–10 trillion dollars in payments per day
- Serve the 80% of Fortune 500 companies who bank with us
- Operate as the bank of choice for roughly half of US households
- 6,000+ applications
- 270K+ virtual workspaces
- 55K+ technologists across the firm

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Observability opportunities

Current footprint

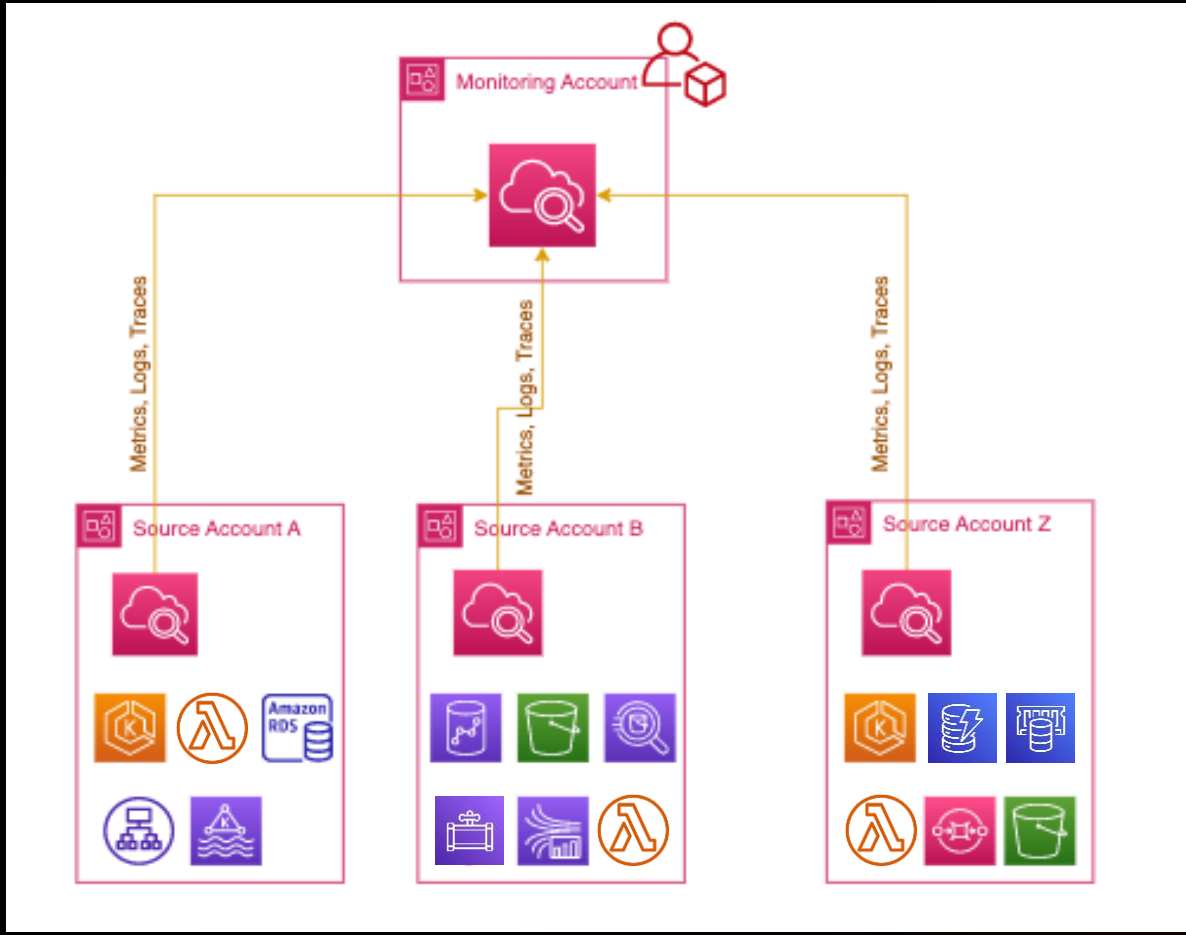
- Interacting applications hosted across multiple AWS accounts
- Multiple tools for metrics, logs, and traces with multiple views
- There’s a need to get faster alerts and streamlined cost
- Additional challenges to SREs when data has to be correlated from multiple sources

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Benefits of the cross-account observability feature in CloudWatch

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Benefits

- Unified observability data – metrics, logs, and traces across multiple accounts aggregated in one place
- Real-time
- MTTR reduction by going native from secondary source
- Cost reduction
- Holistic view of product, line of business, or organization
- Easy contextualization and correlation of data

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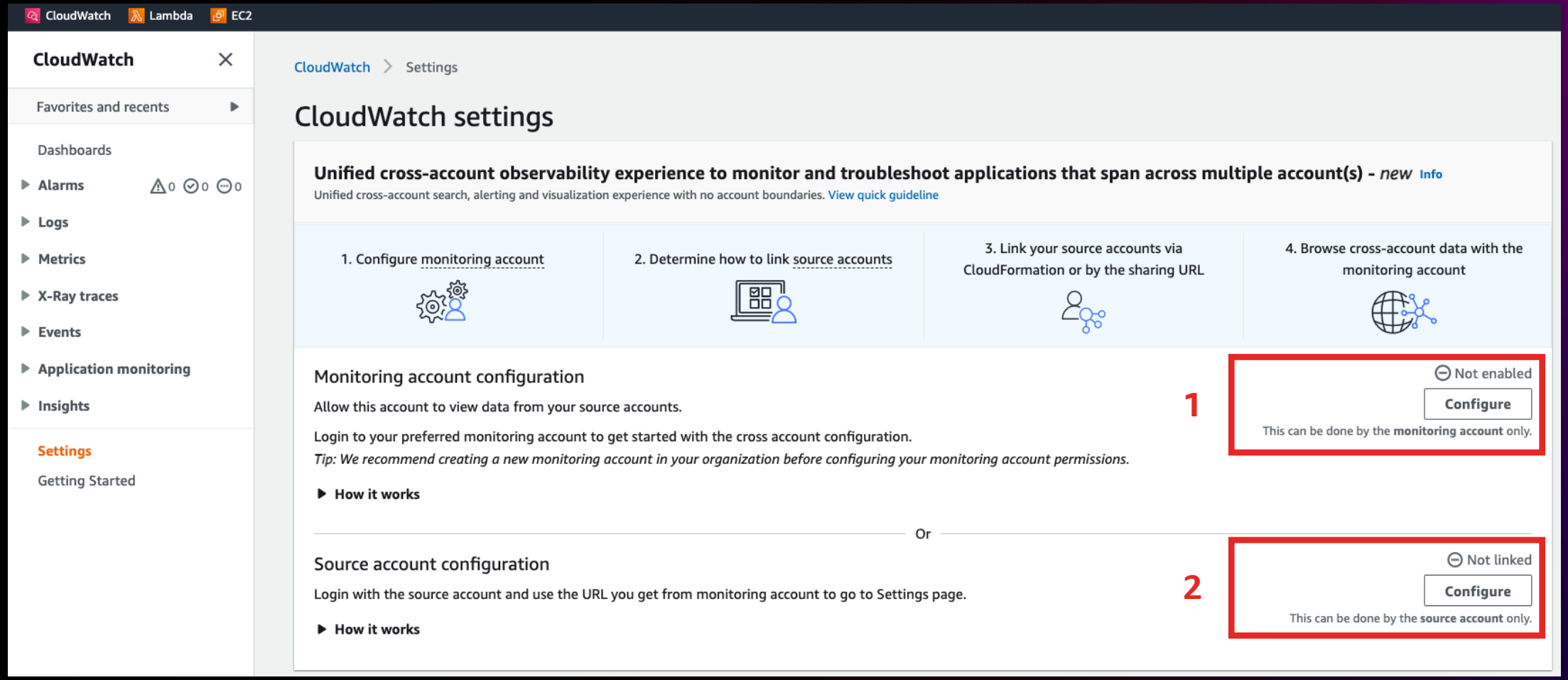
Video in case of a network failure



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Centralize your monitoring now

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Thank you!

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