AWS Monitoring & Observability
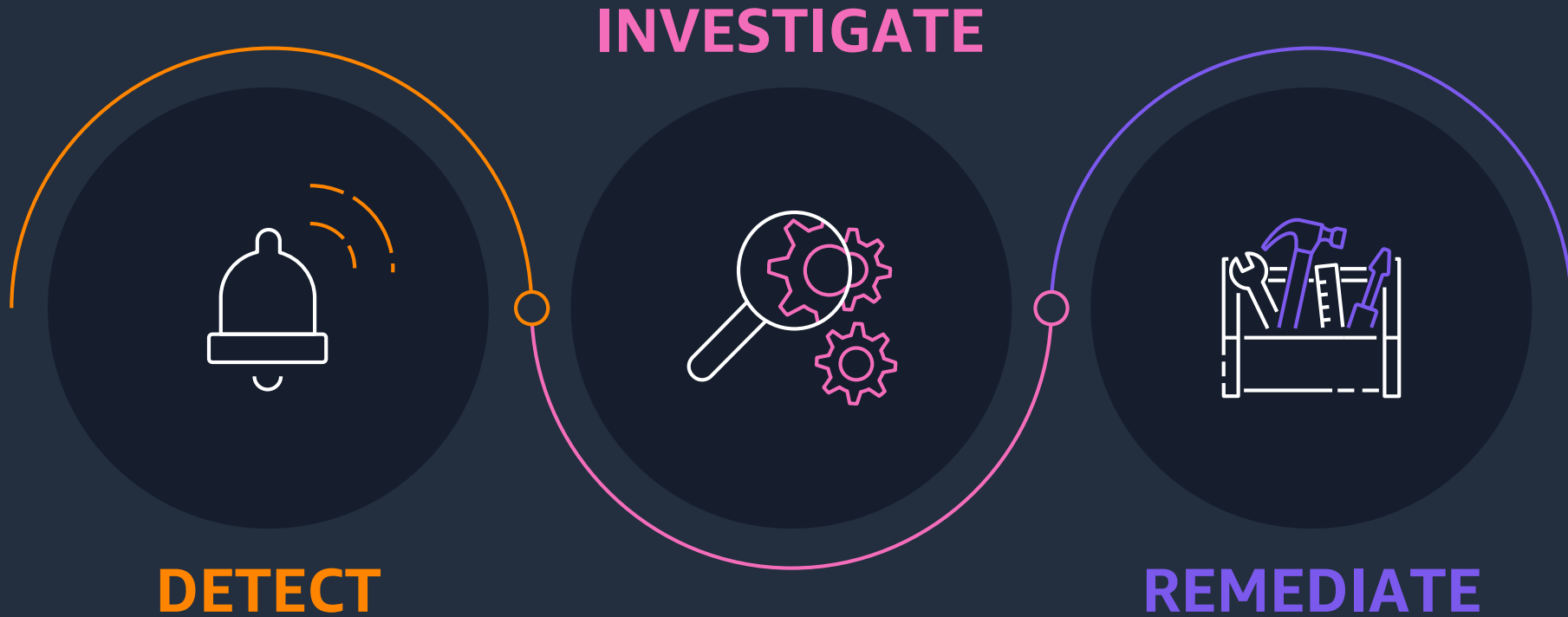
Monitor Modern Applications –
The Cloud Native Way

Graham Coleman
Sr. Product Manager, Observability

Customer experiences and digital experiences.

What is observability?

INVESTIGATE

DETECT

REMEDIATE

Modern applications & architectures …

Are increasingly utilizing **containers, serverless, scalable compute …**

With compute becoming more **ephemeral and dynamic** in nature

Are generating increasing **volumes of telemetry**

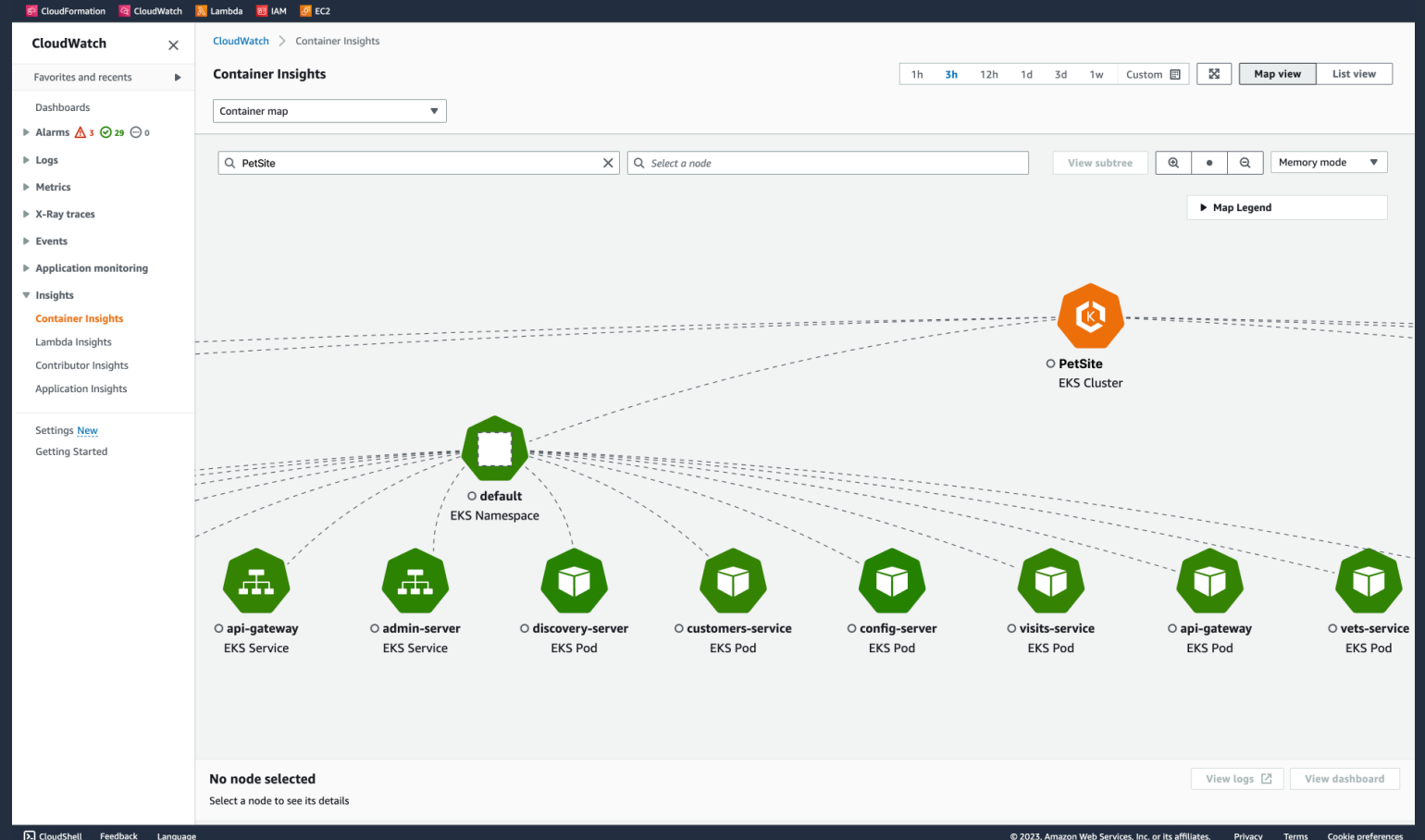Often utilizing **multiple AWS accounts**

Modern applications & architectures ...
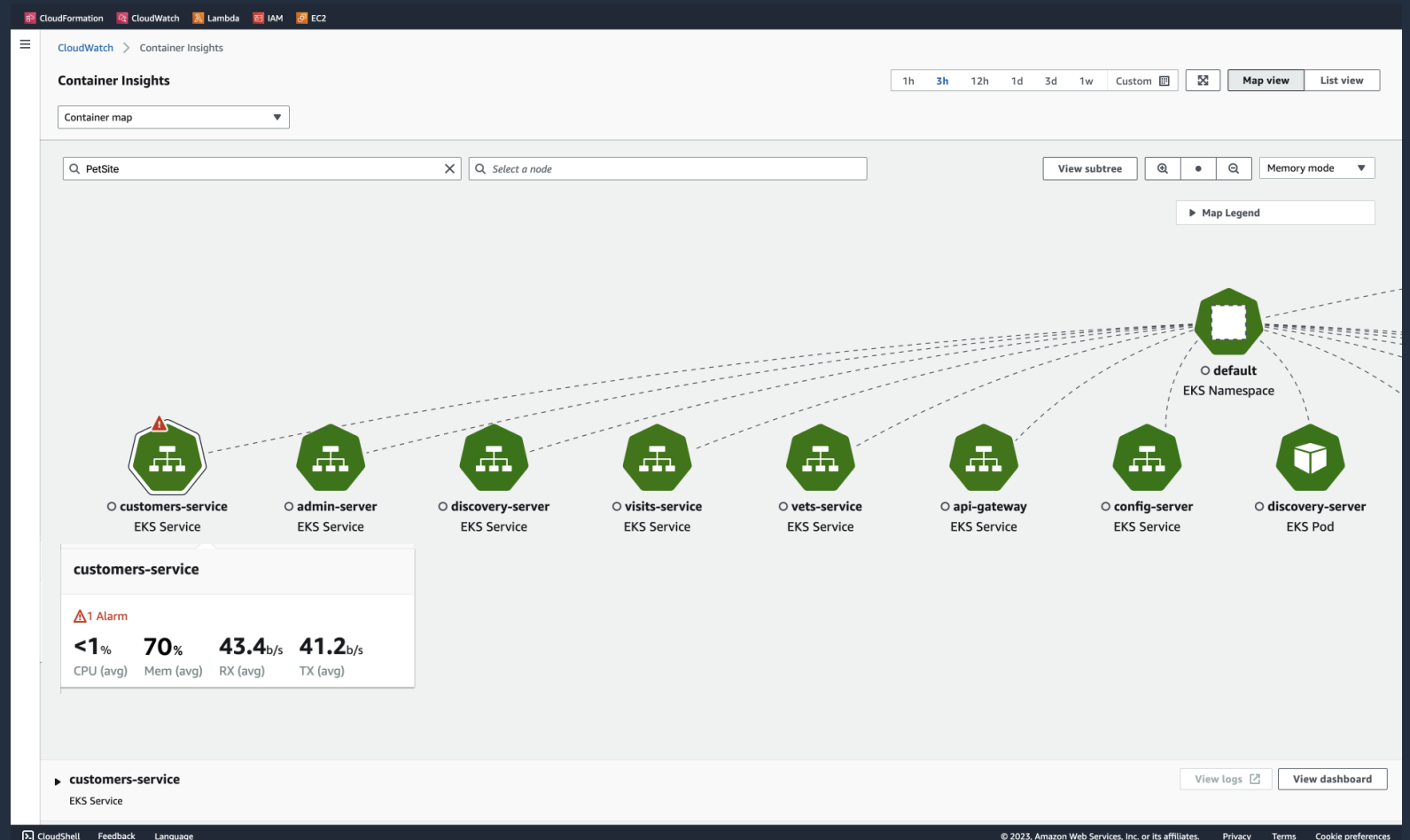
Are increasingly utilizing **containers** ...

CloudWatch Container Insights

> Out of the box, curated experience for containers

> Observability across metrics, logs, and traces
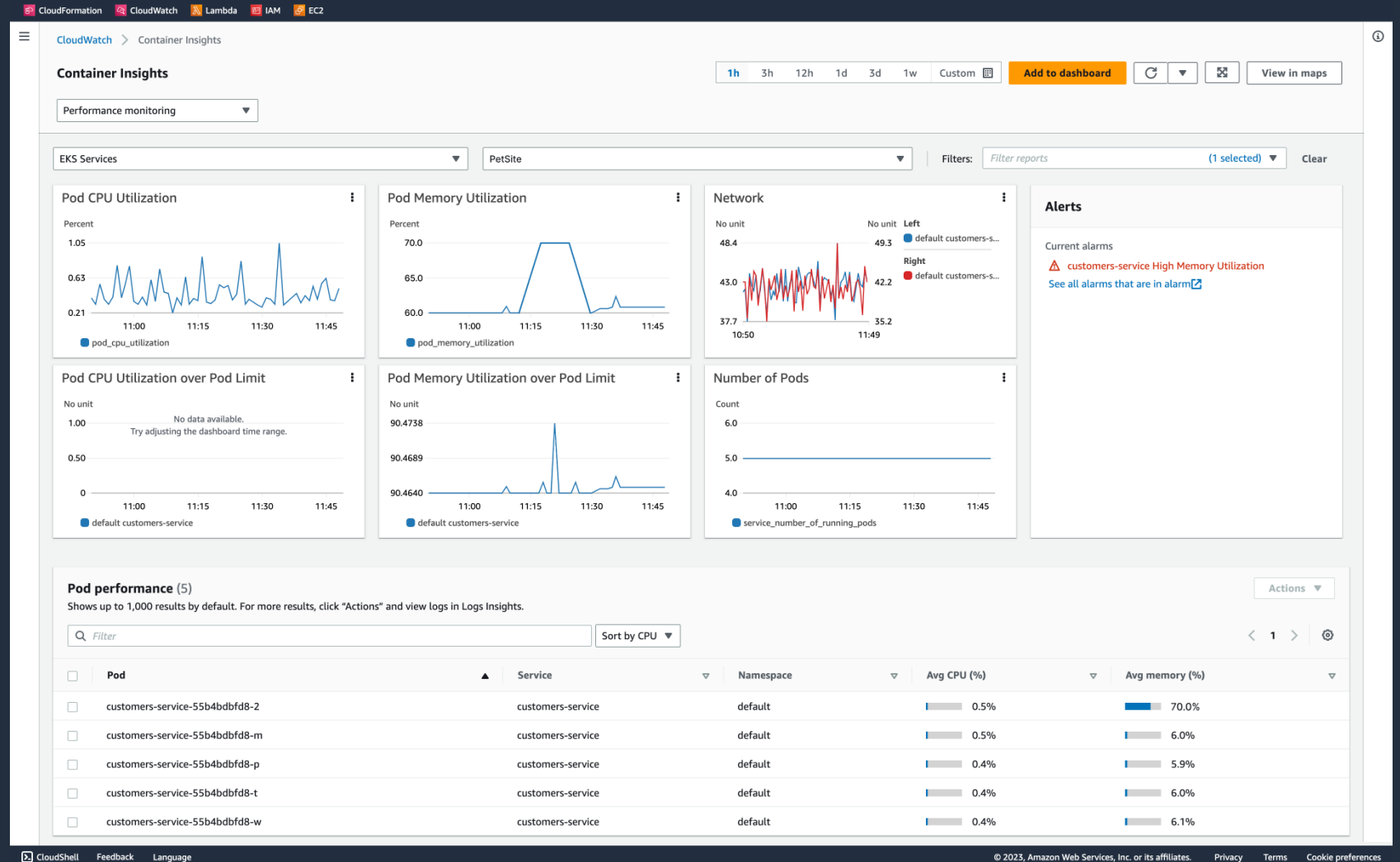
> Amazon ECS, Amazon EKS, Kubernetes on Amazon EC2 ...

Monitor Containers

> Graphical view –cluster, namespace, pods …

> Filters, sorts, tabular views, and tooltips …

> Create alarms on container metrics

Monitor Containers

> Key metrics and

pre-built visualizations

> Go deeper in Metric Insights, Log Insights …

> Extendable and customizable

Modern applications & architectures ...

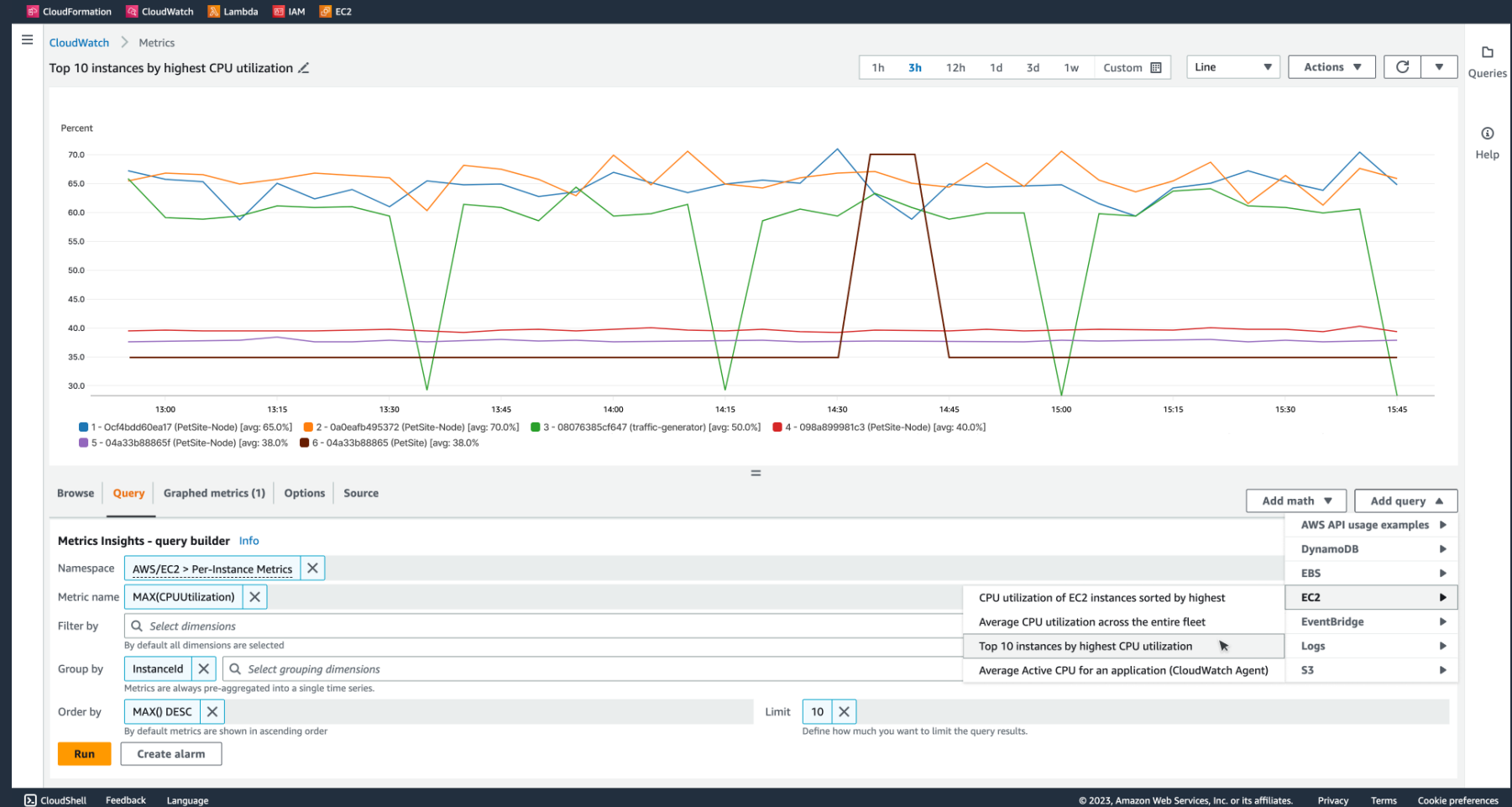**Are increasingly utilizing containers, serverless and scalable compute**

With compute becoming more **ephemeral and dynamic** in nature
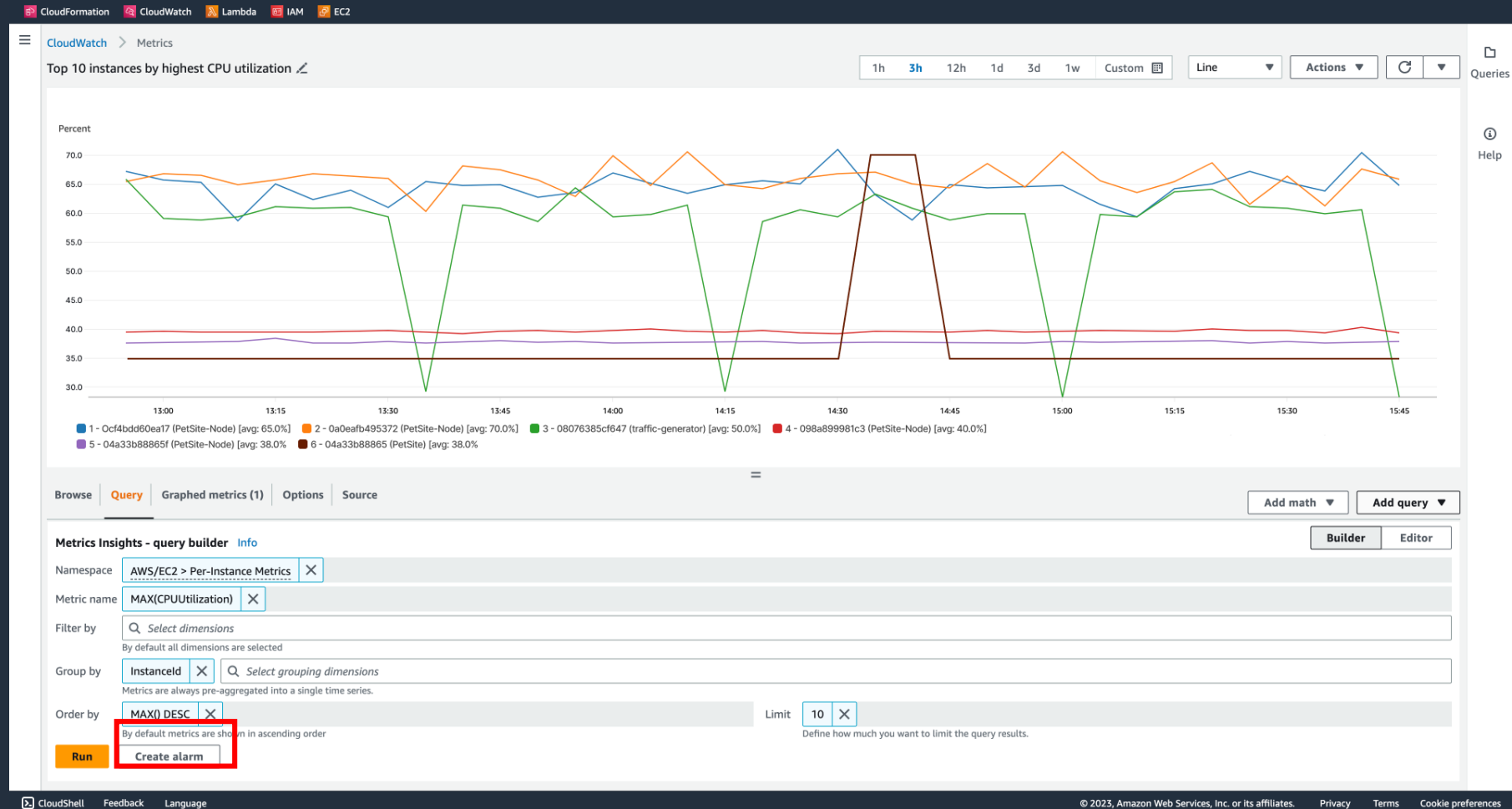
Generating increasing **volumes of telemetry**

CloudWatch Metric Insights

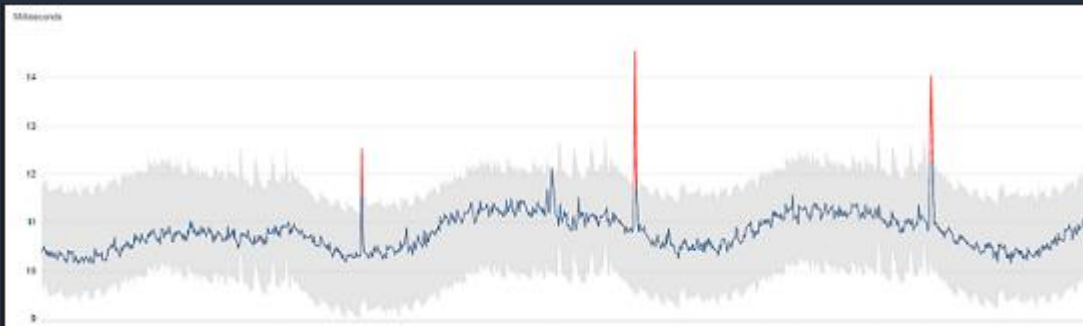

› Query metrics at scale fast

› Out of the box queries

CloudWatch Metric Insights

› Powerful, slice and dice

› Graphical editor

› SQL based

› Create alarm

Alarms never sleep ...

> Metric Insight Alarm

> Metric Alarm

> Alarms on Anomaly Detection Band

> Composite Alarm

Dashboards – write the story

Visual signals to contextualize what is happening

Modern applications & architectures ...

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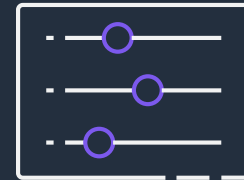
Generating increasing **volumes of telemetry**

Often utilizing **multiple AWS accounts**
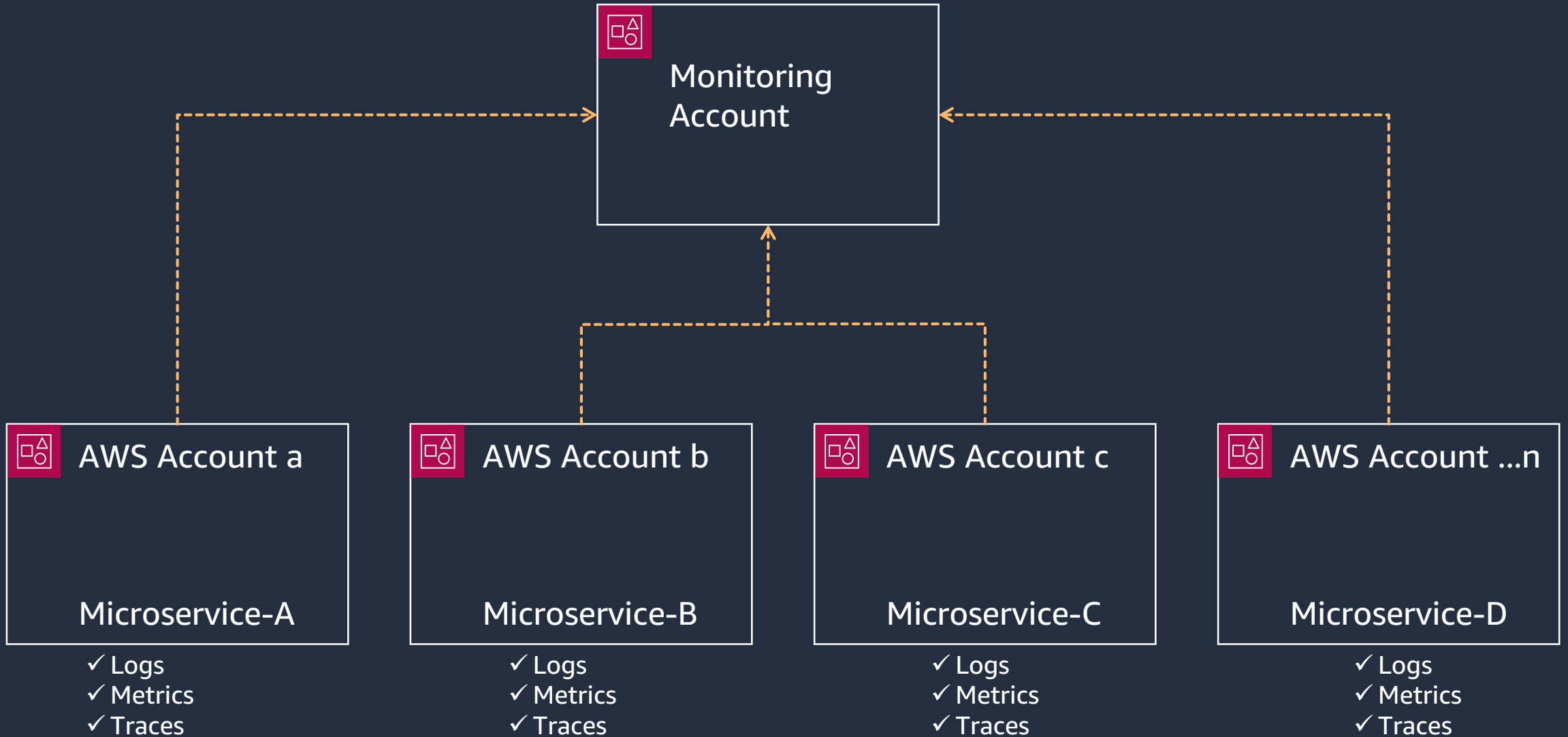
Cross-account observability

Birds-eye view across multiple accounts

Easy to set up

Cross-account observability

Resources

One Observability
Workshop

AWS Observability
Best Practices

Amazon CloudWatch, https://aws.amazon.com/cloudwatch/

Thank you!