AWS re:Invent

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COP201

Gain enterprise visibility with AWS Cloud operation dashboards

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Agenda

Enterprise cloud adoption is accelerating

Not everyone has the same needs for visibility

Tools of the trade

Live demos

What’s next?

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Enterprise growth of the cloud is accelerating

Many customers now have thousands of accounts

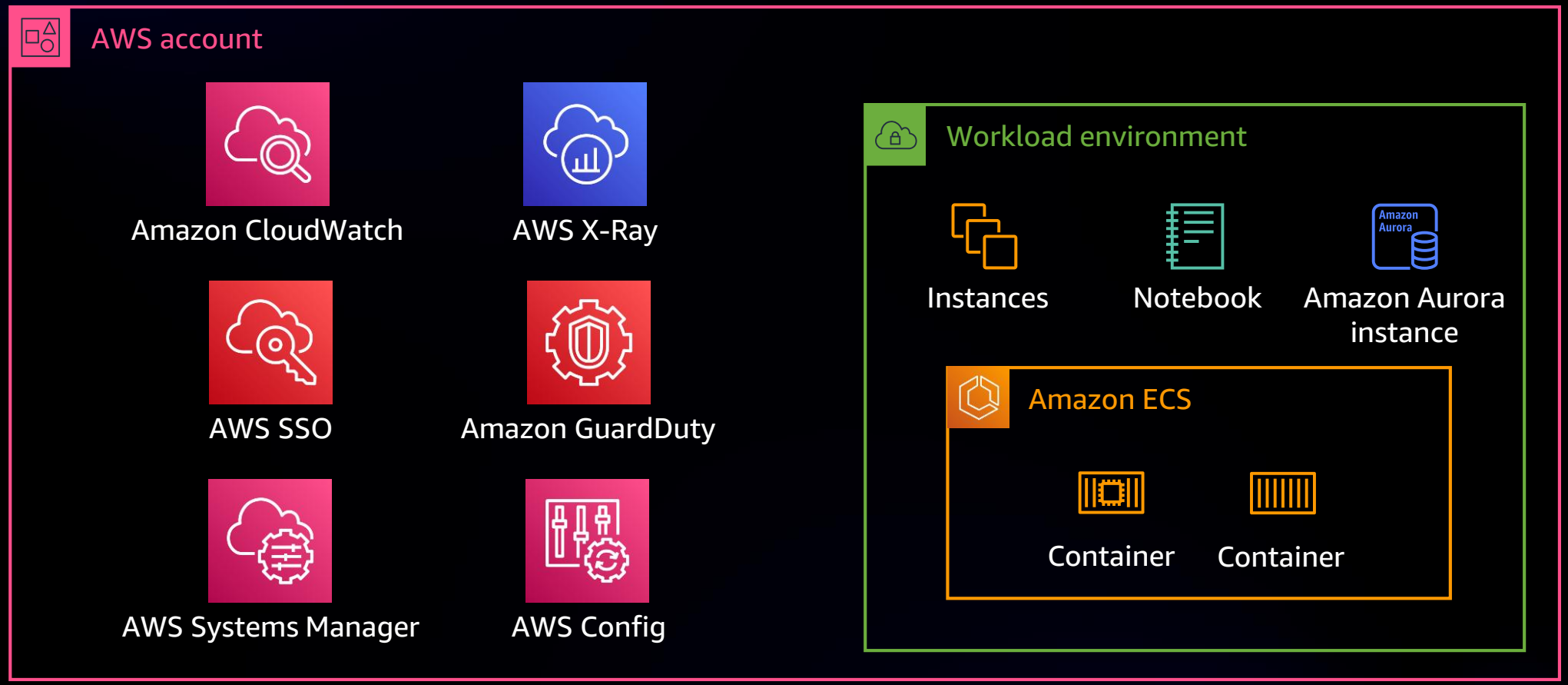
Can enterprises move fast while simultaneously modernizing their workloads?

And do you really need to sacrifice compliance for agility?



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Typical AWS account



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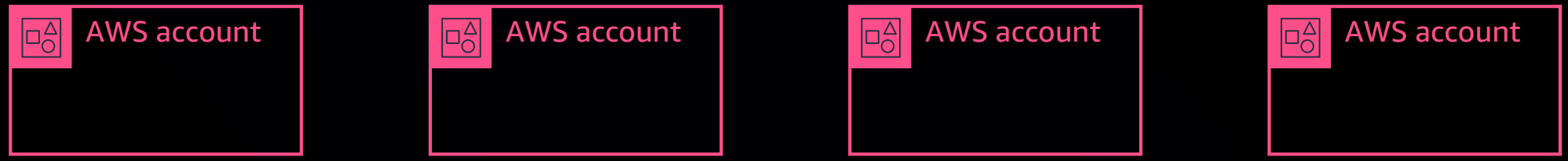
And then things grow

Operational health?

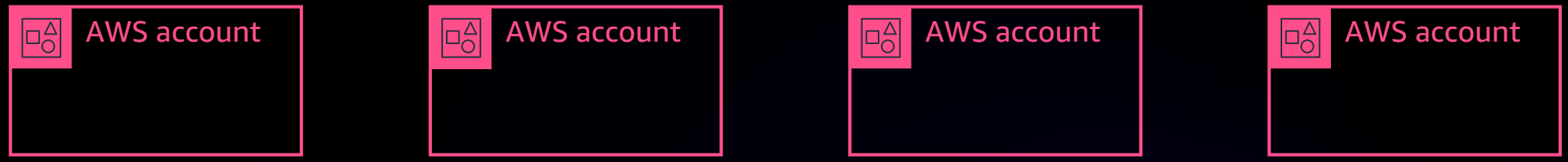


Configuration management?

Well-architected?



Compliance?

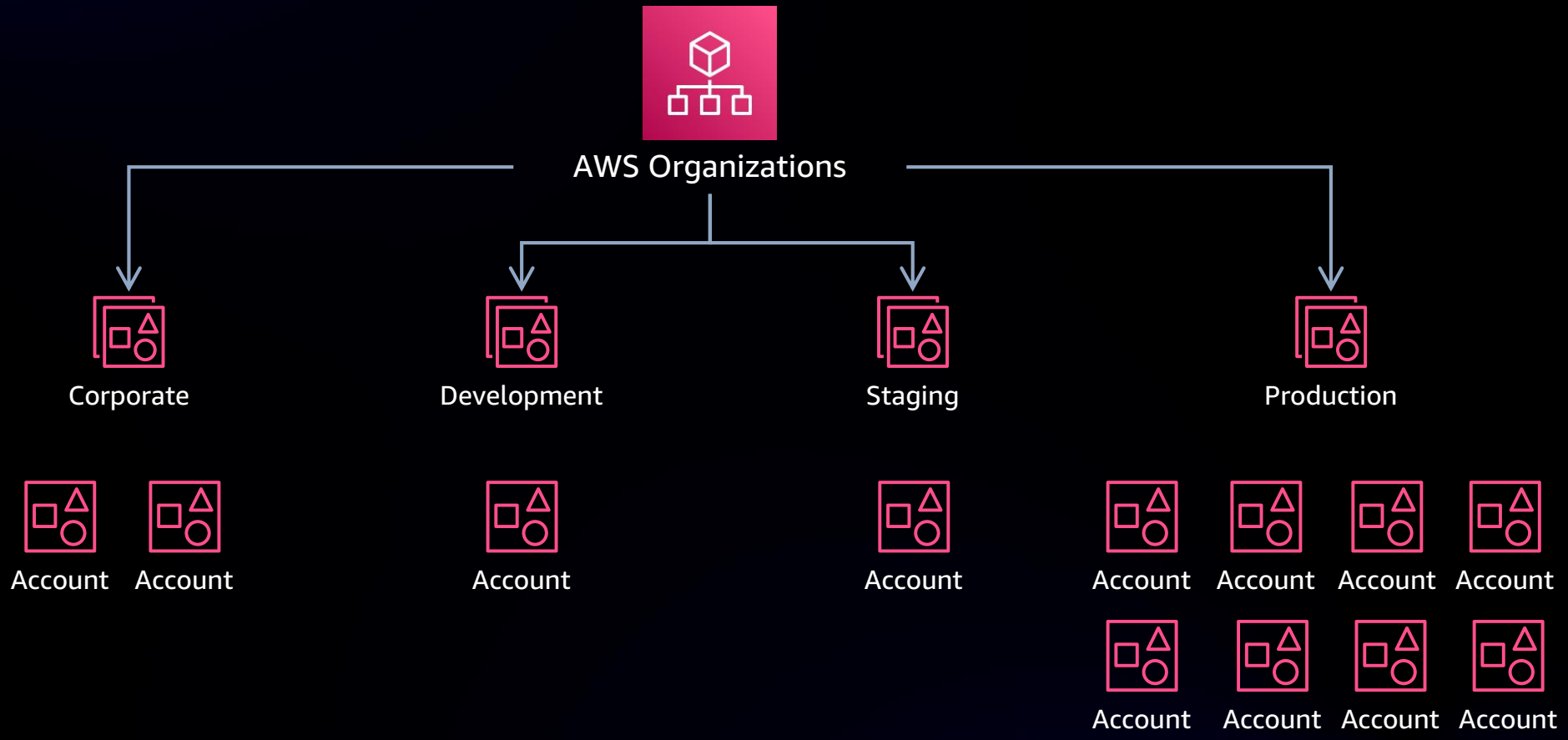


Business metrics?

Monitoring and alerting?

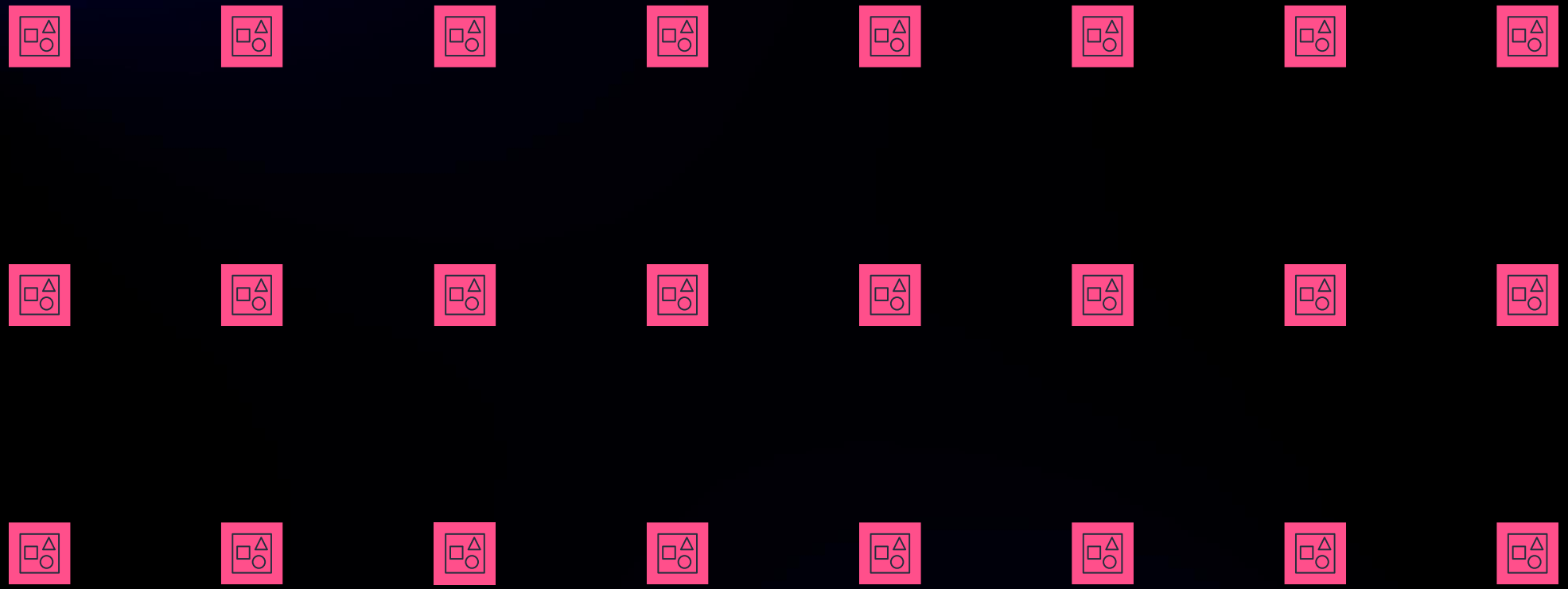
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And mature into an AWS organization



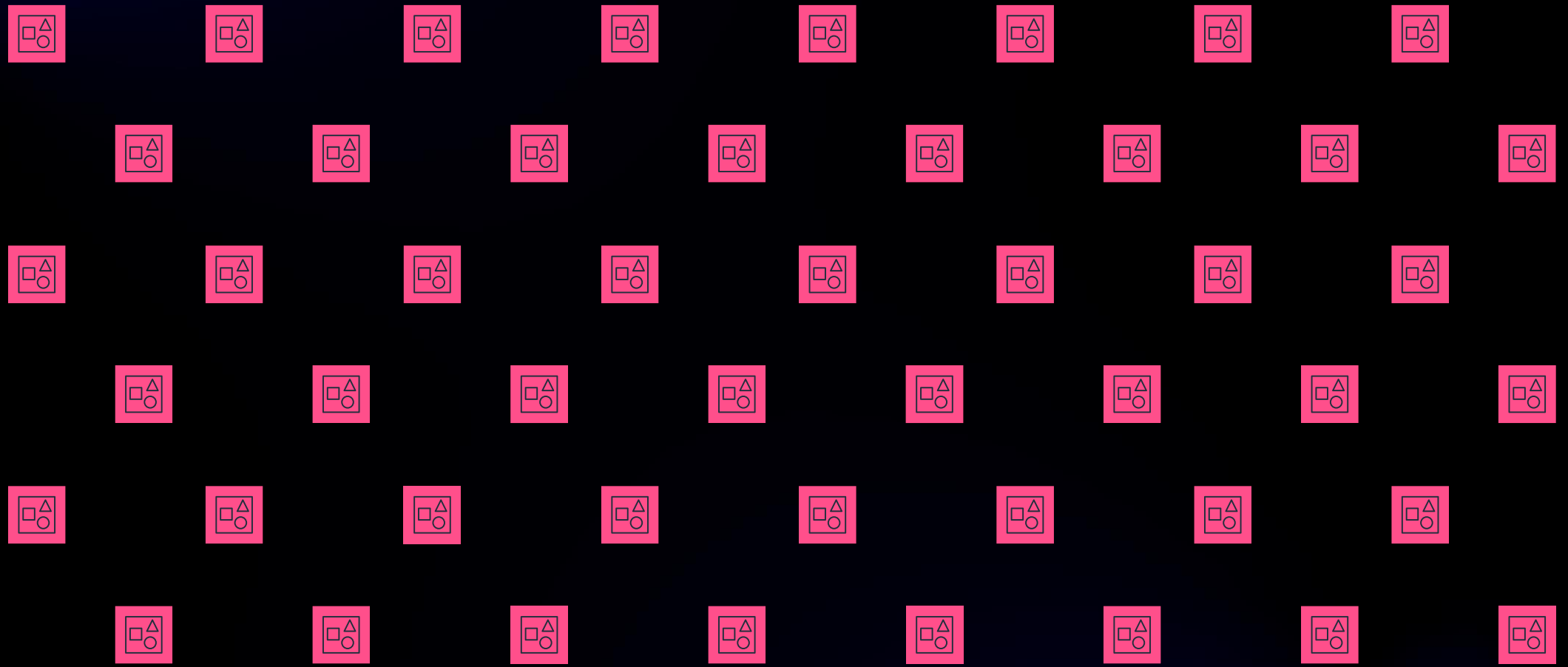
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And then grow



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And grow!



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Not everyone has the same challenges

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It’s better to show than to tell

DevOps or site reliability engineer



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It’s better to show than to tell

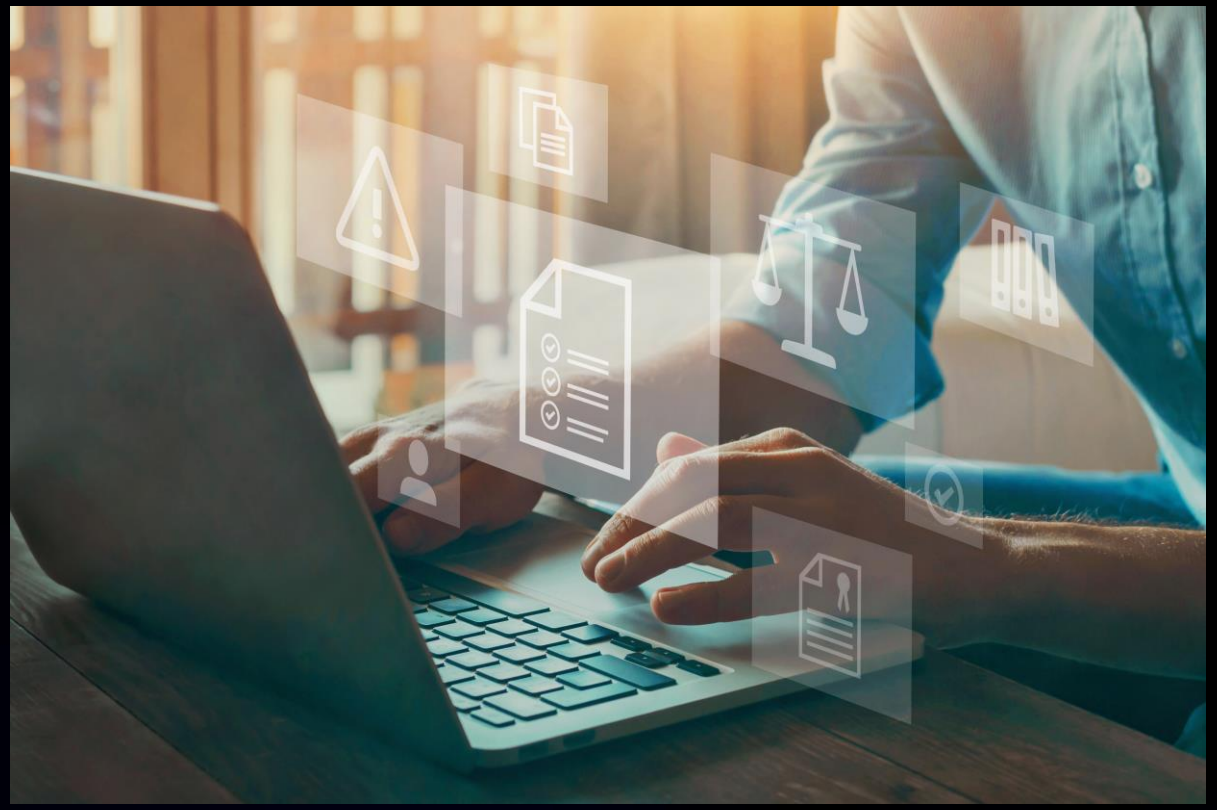
Application developer



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It’s better to show than to tell

Compliance officer



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It’s better to show than to tell

Finance, or business owner



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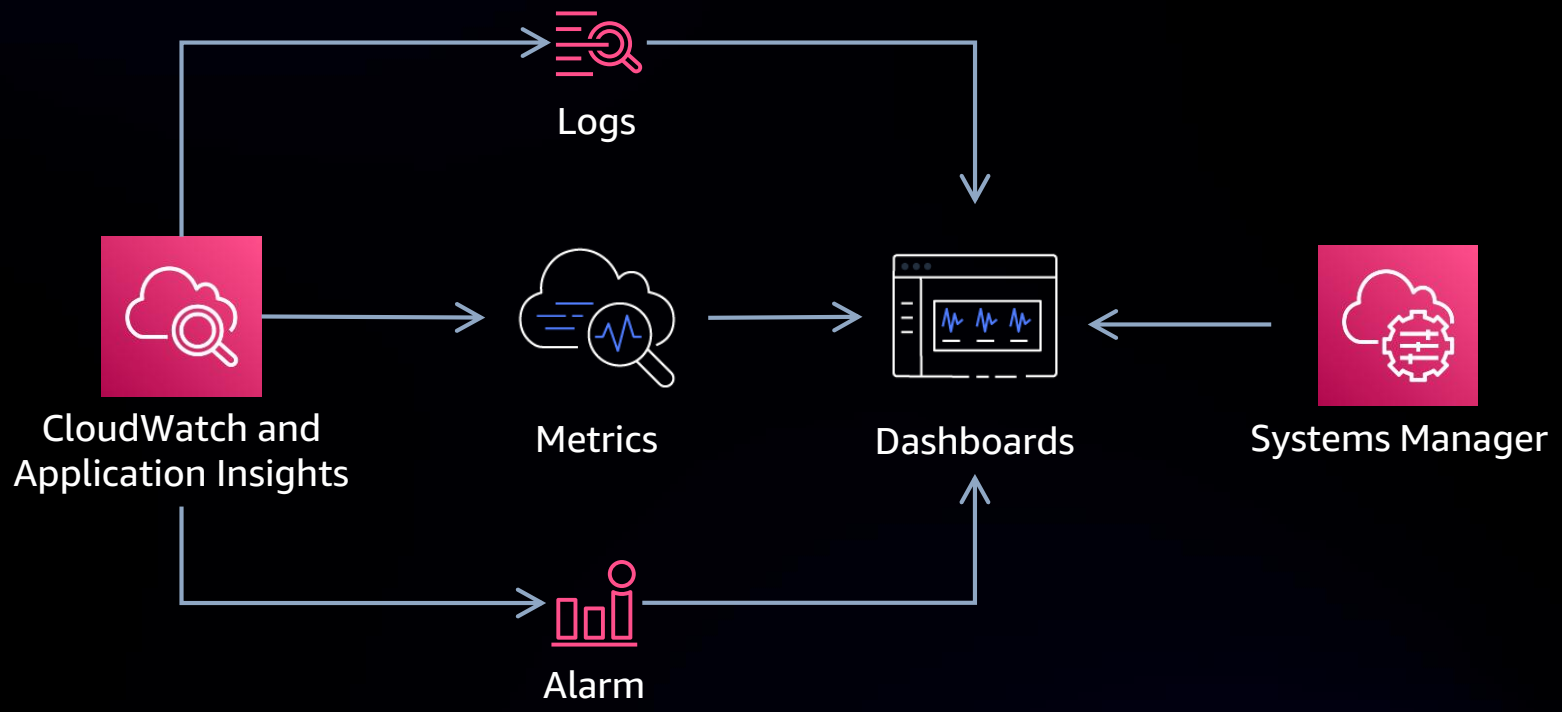
I need to view my workload health in every environment

- Keeping production up and responsive is my number one task
- How can I monitor what is happening in so many places at once?



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DevOps and system administrators



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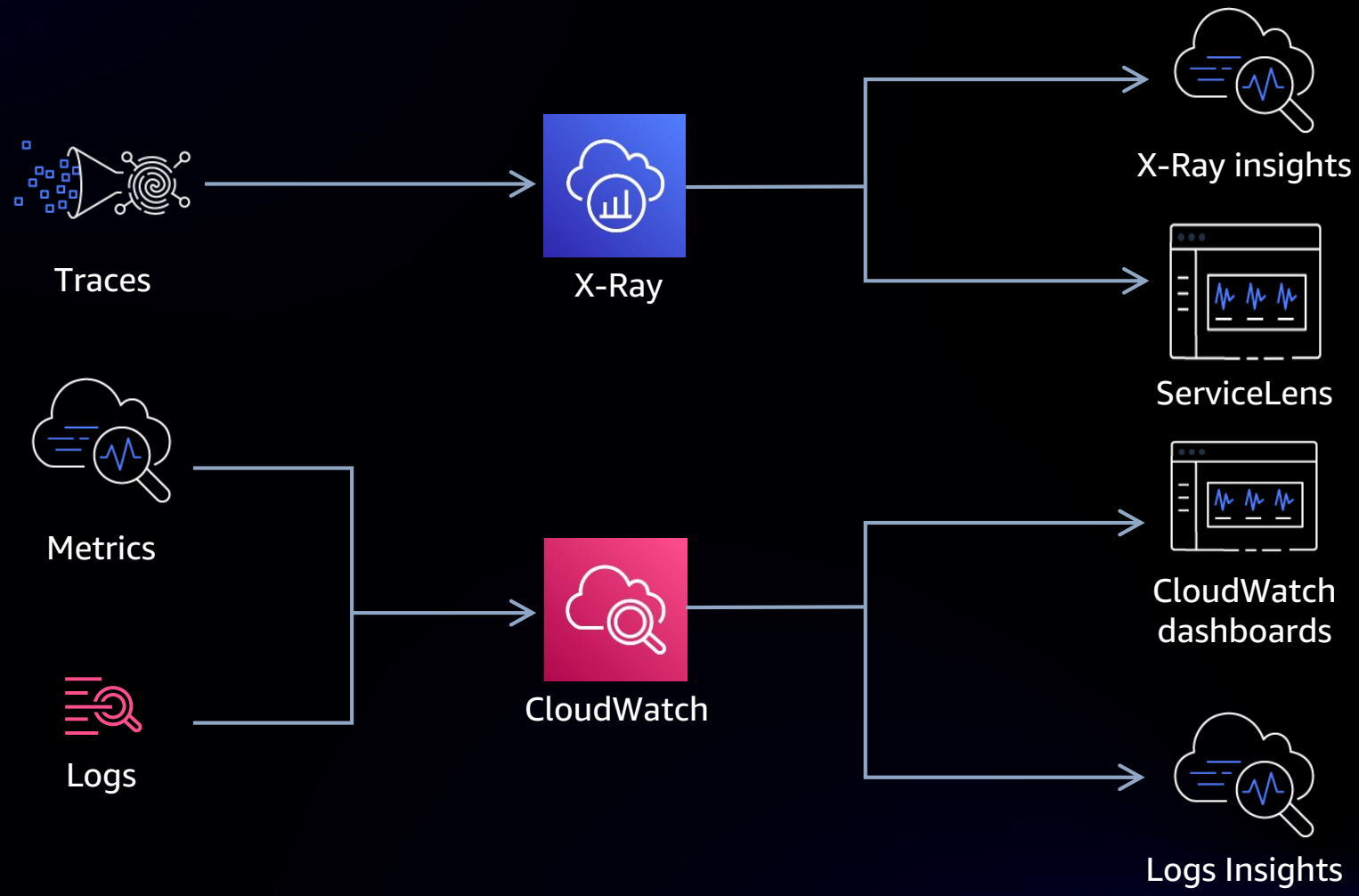
How can I diagnose application issues?

- When deploying my containerized or serverless applications, visibility into how they are functioning changes
- How can I observe what happens in environments that I don’t have access to?



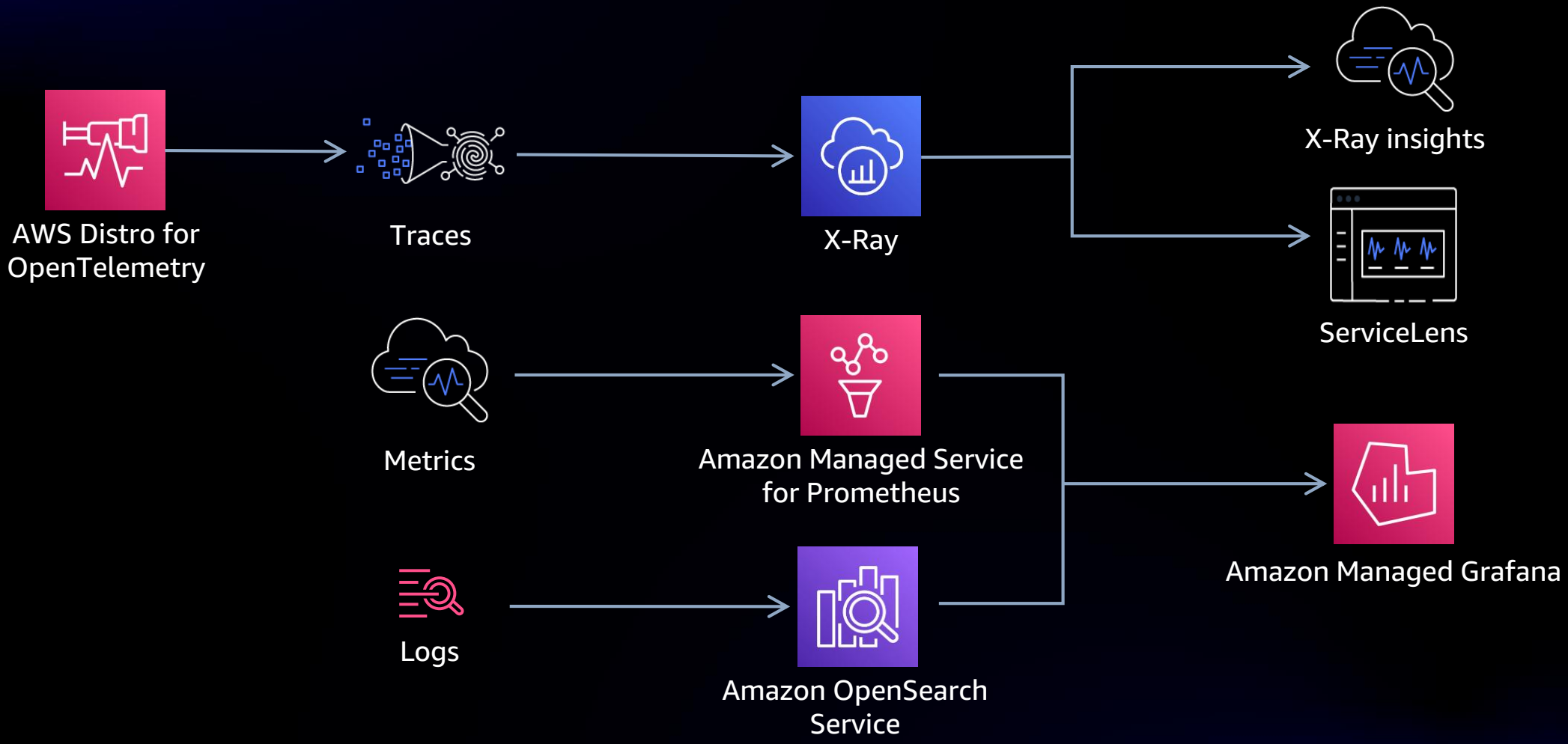
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Developers



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Developers



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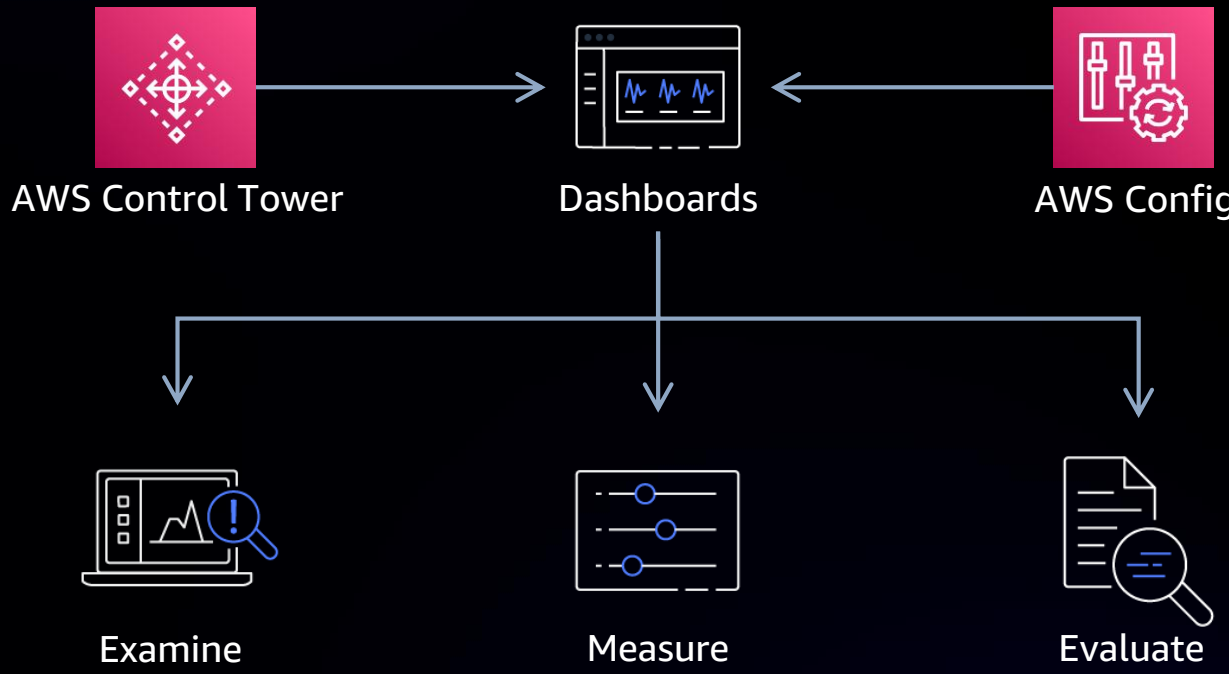
Am I meeting my governance requirements?

- Being compliant is more than just a point in time
- Change is continuous – shouldn’t compliance be continuous as well?



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Compliance and governance



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I need to know my cloud efficiency

- Without being an AWS expert, how can I know what is going on in the cloud?
- How much do we spend per visitor or purchase?
- And what is our infrastructure cost vs. revenue?



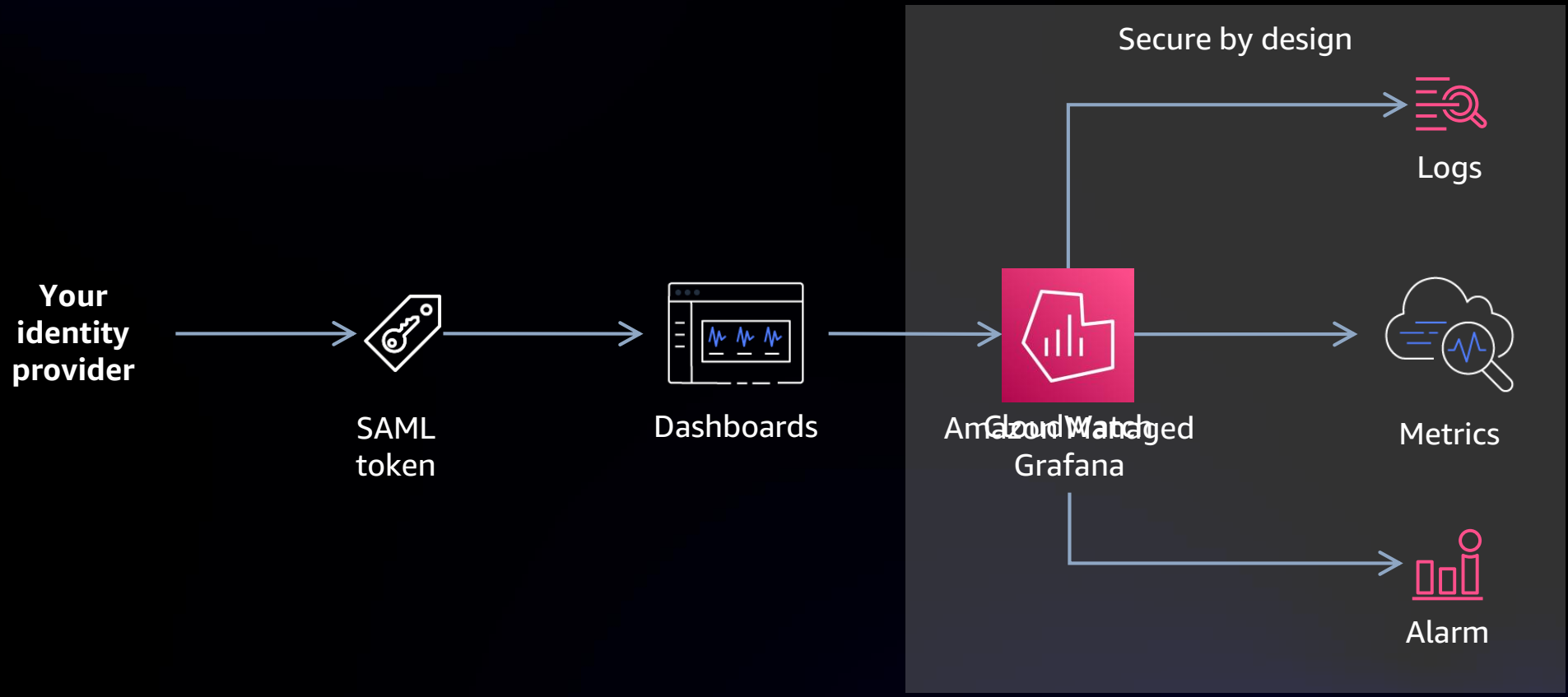
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Finance and engineering teams



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Finance and engineering teams



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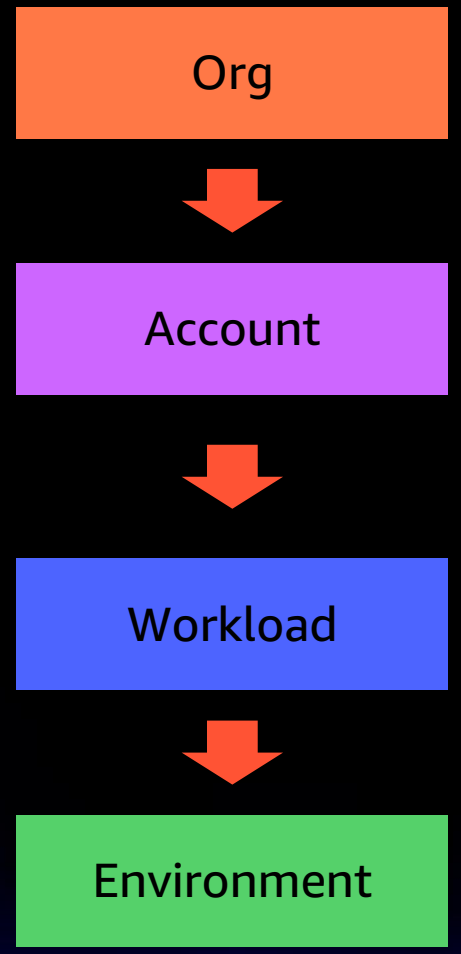
AWS has tools to make everyone's job easier

AWS Control Tower – built specifically to give multi-account governance and compliance visibility

CloudWatch – workload health, metrics, alarms, ServiceLens, and dashboards

X-Ray and ServiceLens – deep dive into application health, latency, errors, and performance

Systems Manager Explorer – operational dashboards for Amazon EC2, OpsItems, incidents, and Trusted Advisor



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Use the right tool for the job

	CloudWatch	X-Ray	AWS Control Tower	AWS Config	Systems Manager	Amazon Managed Grafana
DevOps	√				√	√
Developers	√	√				√
Security and compliance			√	√		
Business owners	√					

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What’s next?

Understand where your operational data resides today – much of it is in CloudWatch already!

Use cross-account, cross-Region Amazon Managed Grafana and SAML-federated dashboards to inform a wider audience

Explore the One Observability Workshop at observability.workshop.aws to learn more about dashboards, monitoring, and observability with AWS

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Thank you!

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