
AWS
re:Invent
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COP330-R

Scale with managed open-source observability

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Agenda

Speakers

Observability at AWS

Benefits of managed open source

What's new with Amazon Managed Grafana and Amazon Managed Service for Prometheus?

Best practices for monitoring with open-source observability (demo)

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Speakers



Abhi Khanna
Sr. Product Manager
AWS Observability

Abhi Khanna is a Senior Product Manager at AWS on the Amazon Managed Service for Prometheus team. He has a passion for helping customers establish their observability best practices and has worked in the monitoring space for many years. Before coming to AWS, Abhi worked at Sumo Logic and ran a startup in the ad-tech space.



Bhuwan Sahni
Principal Engineer
AWS Observability

Bhuwan Sahni is a Principal Engineer in AWS Open Source Observability. He has a passion for developing distributed systems and has been working in this space for 10 years.



Matthew Barker
Principal Product Manager
AWS Observability

Matthew Barker is a Principal Product Manager at AWS on the AWS Observability team. Matthew loves building products that help customers solve their observability challenges. Before joining AWS, Matthew worked at Rackspace and at a utility smart metering startup.

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Why AWS Cloud Operations?



Return on investment (ROI)

241% ROI over 3 years*



Staff productivity

62% more efficient IT infrastructure staff



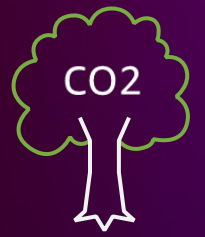
Operational resilience

57% decrease in downtime



Business agility

37% decrease in time to market



Carbon savings

88% reduction in carbon footprint of IT operations

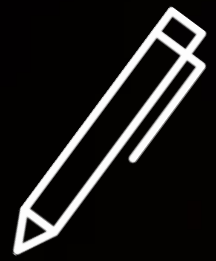
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Based on independent research of 1,500 AWS enterprise customers
*Source: "The Total Economic Impact of AWS Cloud Operations: Cost Savings And Business Benefits Enabled By Operation on AWS. May 2022. A commissioned study conducted by Forrester Consulting on behalf of Amazon Web Services."

Your journey to operating at cloud scale

Get started with AWS Cloud Operations

Set up



Establish a secure foundation for governance and compliance

Build and migrate



Migrate applications to the cloud, or build new applications

Operate

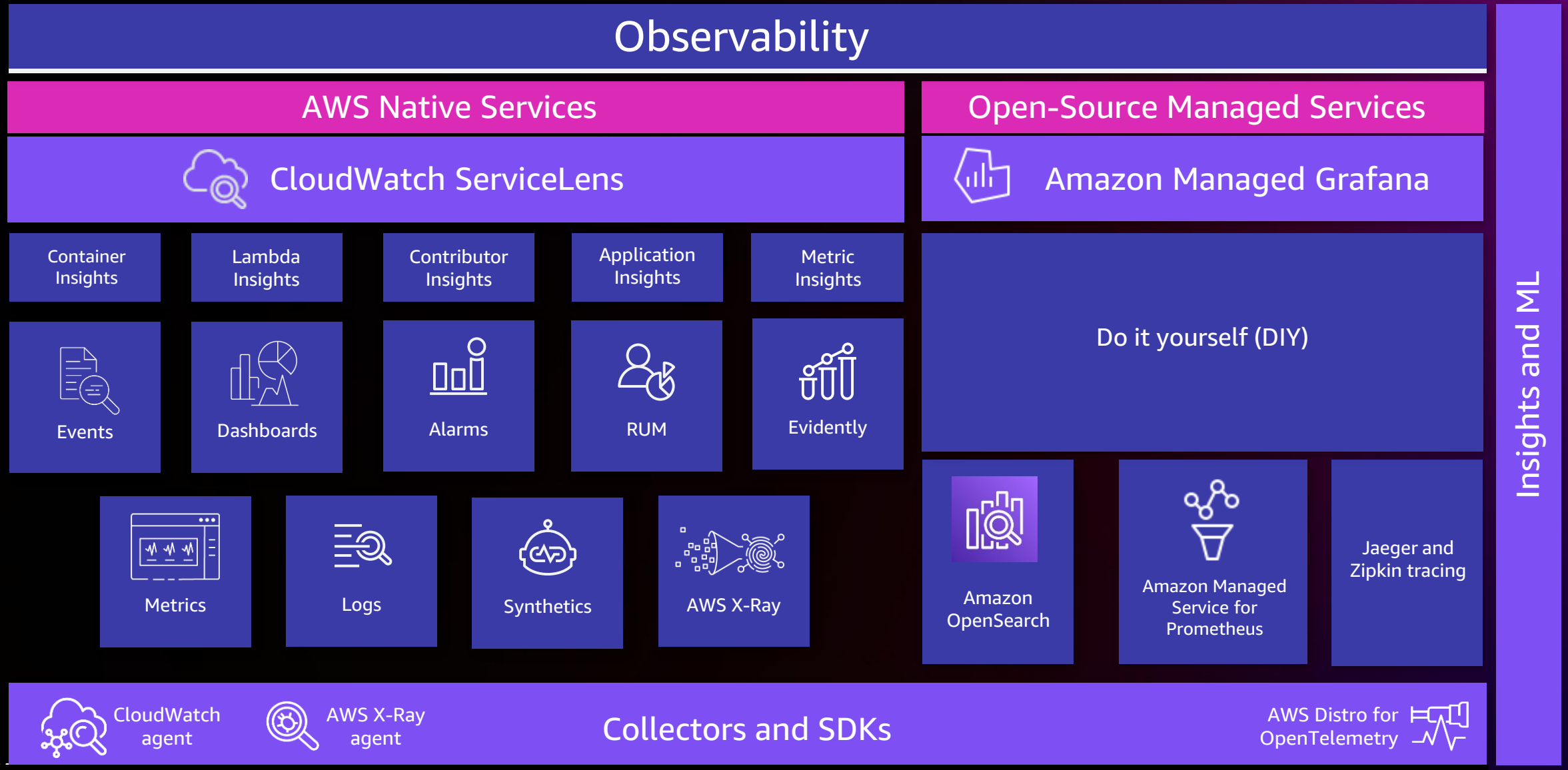


Simplify ops management with an integrated experience to manage and monitor resources and apps to detect and remediate risks quickly

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AWS Observability



Conducting topN analysis



Surface outliers and top talkers



Identify impacted users and resources

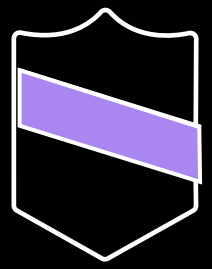


Get actionable alerts & take remediation

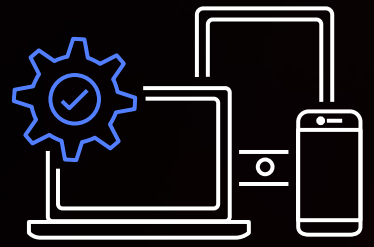
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Benefits of managed open source

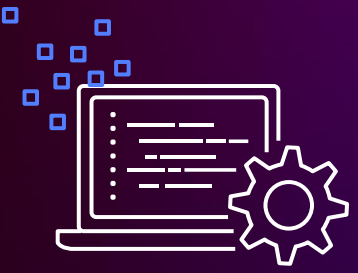


Security first



Scale as you grow

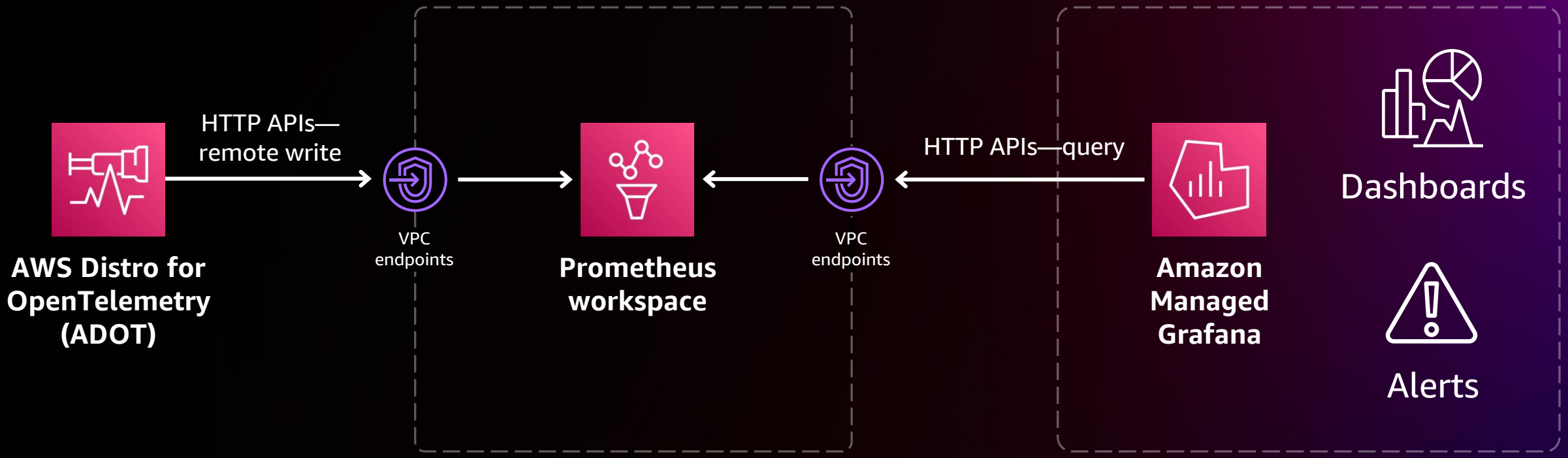
Seamless integrations



Open-source contribution

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Managed open-source services



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What's new?



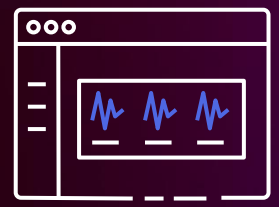
Security and compliance

- Managed Prometheus: SOC and ISO compliant
- Managed Grafana: Secure access to VPC data sources
- Contributor Insights for PrivateLink Endpoint Services



Scale

- Managed Prometheus: 200M active series per workspace
- Managed Grafana: 10K users per workspace



Single pane of glass

- Managed Grafana: Managed Prometheus rules visualization
- Managed Grafana: Dashboard across data sources in cloud, on-prem, and VPC
- One-step onboarding

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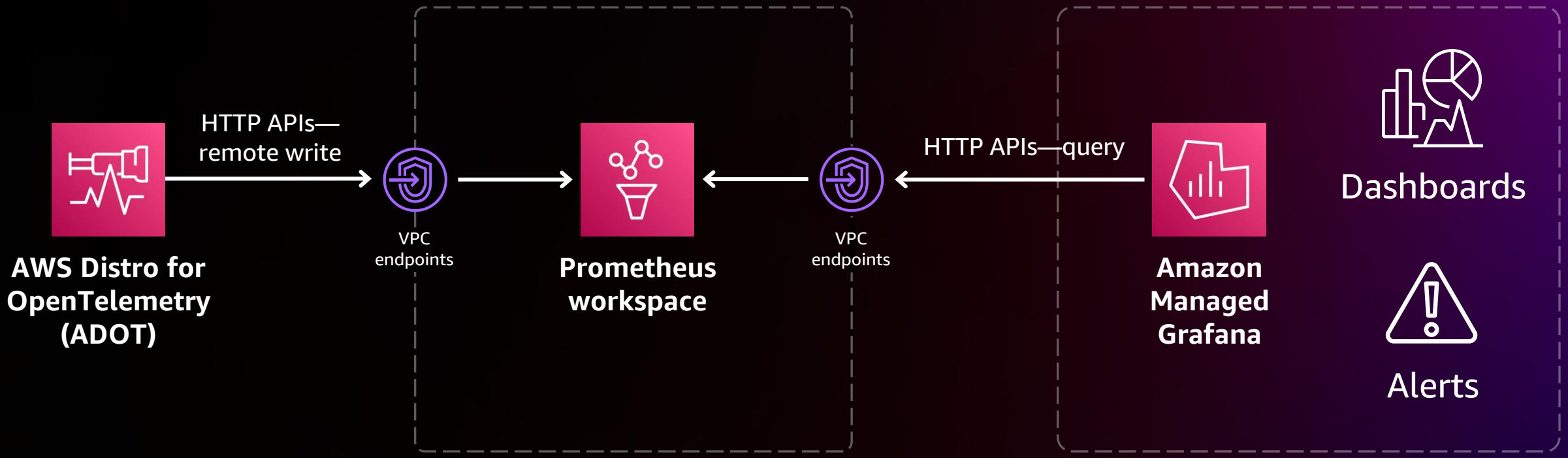
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Key takeaways

1. Open-source observability without the management overhead
2. Works with modern architectures and hybrid workloads
3. Rich visualization options for varied data sources
4. Easier getting-started experience with AWS Observability Accelerator
5. It’s open source! Build on top of it, build with it!

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Q&A time!



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Resources

Observability Accelerator Chalk Talk: COP328

Cloud Ops Blog with all the sessions

Observability Workshop

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Thank you!



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