chronosphere + aws

SOLUTION BRIEF

Chronosphere & AWS

AI guided observability for cloud native architectures on Amazon Web Services.

THE CHALLENGE

Cloud native brought massive scale; AI brings new challenges

Cloud native environments demand extreme reliability and performance. However, observability data growth is out of control due to massive scale, high cardinality, and microservices complexity. This makes incident resolution difficult and explodes observability costs. AI workloads make these issues even more severe due to infrastructure scale, data volume, and usage spikiness.

THE SOLUTION

The Chronosphere observability platform

Purpose-built for cloud native and AI, Chronosphere empowers teams to control observability costs and complexity in containerized and AI environments. By reducing data volumes by 84% on average, Chronosphere optimizes costs and accelerates troubleshooting. It supports all telemetry types (metrics, events, logs, traces) in open and proprietary formats (OpenTelemetry, Prometheus, Datadog, and more). Chronosphere delivers the APM experience you love with the open source telemetry you need.

> **"Since moving to Chronosphere, 90% of DoorDash engineers have adopted the platform and we've reduced our observability data volumes by 54% leading to a cost savings of more than $40M over 3 years."**
>
> **RYAN SOKOL**
> VP of Engineering
> DoorDash

Benefits of the Chronosphere approach

Control incidents

Developers remediate faster by cutting through increasingly high volumes of data with targeted insights.

Control costs

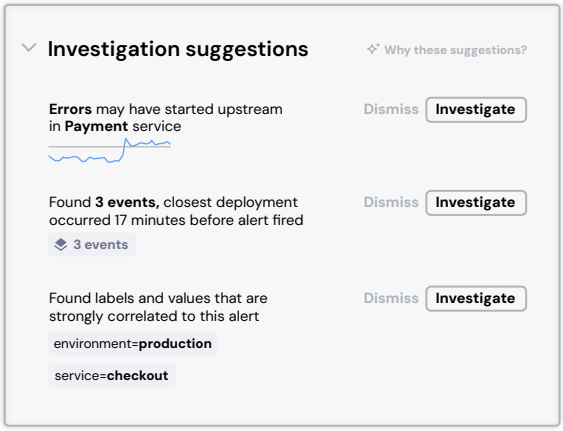
Lower observability costs by only keeping the useful observability data and eliminating waste.

Control complexity

Easily identify and find the data that matters. Ingest and simplify telemetry without lock-in.

AI Guided Troubleshooting for cloud native and AI workloads

Our latest features combine advanced analytics and AI guidance with a more complete understanding of your system. Our Temporal Knowledge Graph unifies all telemetry alongside human insight and is a living, time-aware model of your system. This foundation provides the historical and topological context AI agents need to deliver accurate, evidence-based guidance to resolve problems. Engineers clearly see why each recommendation is made and stay in full control of next steps.



AWS and Chronosphere are better together

Chronosphere's cloud native observability platform protects your AWS investment. We deliver reliable, cost-effective observability for complex Kubernetes and AI workloads, helping you control data costs, improve performance, and accelerate incident resolution significantly. We natively supports workloads running on Amazon Elastic Kubernetes Service (Amazon EKS) and Amazon Elastic Container Service (Amazon ECS). It also supports workloads leveraging Amazon Nova.

AMAZON EKS AND ECS

Containerized apps and infrastructure

- Metrics, events, logs, and traces
- Telemetry useage analysis and volume controls
- OpenTelemetry, custom, and vendor telemetry

AMAZON NOVA AND AI SERVICES

AI models and workloads

- Token economics
- Model behavior (hallucinations, drift, bias, etc.)
- GPU performance and utilization

- Leverage Chronosphere's AWS CloudWatch integration to gain full visibility into your AWS workloads
- Optimize GPU consumption and affinity for EKS clusters
- Connect Chronosphere Telemetry Pipeline (CTP) to AWS sources/destinations like S3 and Kinesis
- Control AWS OpenSearch data ingestion with Fluent Bit and CTP

Get started with Chronosphere on the AWS Marketplace

Connect with a Chronosphere expert to see how you can optimize costs, reduce noise, and resolve issues faster.