chronosphere

Chronosphere Cloud Native Observability Platform

The challenge

Traditional infrastructure and APM tools often fall short in cloud native contexts. They struggle to keep pace with the dynamic nature and scale of these environments, leading to a misalignment between cost and value. The financial burden of these tools forces developers to compromise on data fidelity to manage expenses, redirecting their focus from innovation and high-value tasks to data management. As a result, organizations face a new set of critical challenges:

Observability data growth and costs are growing unsustainably - Microservices architectures generate significantly more data (up tp 10x) than traditional models. As developers and operations teams seek more data to fine-tune performance and exceed customer expectations, costs skyrocket, often outpacing the actual value derived from observability efforts.

Application performance and reliability are degrading - Current tools lack the sophistication to provide comprehensive visibility into mission-critical operating data for cloud native environments. The result is increased MTTx, failing Service Level Agreements (SLAs), and deteriorating customer satisfaction.

Engineer productivity is declining - Engineers are increasingly consumed by manual tasks and troubleshooting, detracting from their focus on new feature development. This issue is compounded by an overreliance on 'hero developers' and the use of disjointed observability tools that conflict with developers' workflows, leading to heightened cognitive load, frustration, and higher turnover rates.

These challenges culminate in unplanned cost overruns, poor customer experiences, and engineers spending more time on problem-solving rather than driving business growth through new feature development.

> Observability data is growing faster than infrastructure and the scale has led to bottlenecks in reliability, performance and cost. Traditional approaches are struggling to adapt.

The solution

Chronosphere is a cloud native observability platform, providing deep insights into every layer of your stack — from the infrastructure to the applications to the business. Site reliability, DevOps, and engineering teams worldwide rely on Chronosphere to provide them with real-time visibility and alerts to help them operate scalable, highly available, and resilient applications.

90%
Cost savings from data optimization & tool consolidation

Zillow

99.99%
Platform availability achieved

DOORDASH

14k
Developer hours saved every year

affirm

Benefits Chronosphere customers experience

Control costs

By providing unparalleled visibility and control, Chronosphere enables organizations to maximize the business value derived from observability data. With advanced data management and log processing capabilities, businesses can handle petabyte-scale data more efficiently, preventing cost overruns due to data growth.
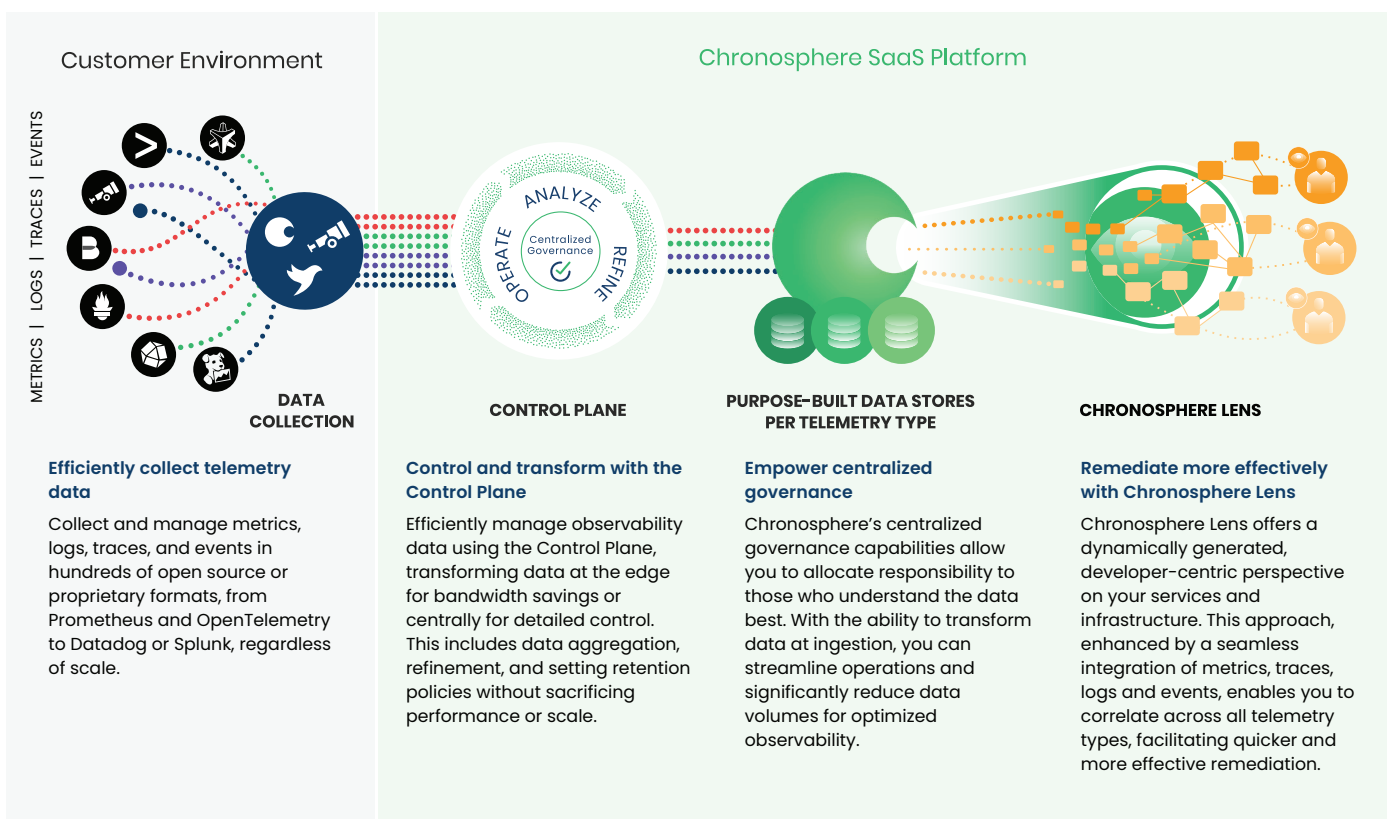
Exceed customer expectations

Chronosphere ensures the best service availability and performance at any scale. Its ability to maintain high availability, evidenced by exceeding SLA promises, means observability will never be a bottleneck for meeting customer commitments. This reliability is key to ensuring business continuity and avoiding any churn due to performance issues.

Improve developer productivity

Chronosphere improves developer productivity by minimizing the time spent on troubleshooting and data management. It streamlines workflows, aligning with developers' mental models to reduce cognitive load. This allows developers to focus on creating new features and performing high-value work.

How it works

Customer Environment | Chronosphere SaaS Platform

METRICS | LOGS | TRACES | EVENTS

DATA COLLECTION · **CONTROL PLANE** · **PURPOSE–BUILT DATA STORES PER TELEMETRY TYPE** · **CHRONOSPHERE LENS**

Efficiently collect telemetry data

Collect and manage metrics, logs, traces, and events in hundreds of open source or proprietary formats, from Prometheus and OpenTelemetry to Datadog or Splunk, regardless of scale.

Control and transform with the Control Plane

Efficiently manage observability data using the Control Plane, transforming data at the edge for bandwidth savings or centrally for detailed control. This includes data aggregation, refinement, and setting retention policies without sacrificing performance or scale.

Empower centralized governance

Chronosphere's centralized governance capabilities allow you to allocate responsibility to those who understand the data best. With the ability to transform data at ingestion, you can streamline operations and significantly reduce data volumes for optimized observability.

Remediate more effectively with Chronosphere Lens

Chronosphere Lens offers a dynamically generated, developer-centric perspective on your services and infrastructure. This approach, enhanced by a seamless integration of metrics, traces, logs and events, enables you to correlate across all telemetry types, facilitating quicker and more effective remediation.

Our unique approach to telemetry data control

Reduce cost and data volume while improving outcomes
with Chronosphere's Control Plane

Metrics

Aggregate, refine, or drop metrics based on specific needs. Fine-tune data ingest to manage cardinality spikes, set retention policies by application, environment, etc, and use shaping policies to reduce data by 60%+.

Logs

Reduce noise and control cost by transforming log data at ingestion. Add fields, remove redundancies, redact, flatten, enrich, and create custom actions to transform your logging data, aligning with your business needs.

Traces

Dynamic head and tail based sampling to balance cost and insight. This ensures you can capture vital data without incurring unnecessary expenses, optimizing your observability spending.

Ready to learn more? Book your demo today by visiting
chronosphere.io