chronosphere   **Lightrun**

Shifting left observability with Lightrun and Chronosphere

When it comes to troubleshooting distributed cloud native applications, teams face a unique set of challenges due to the dynamic and decentralized nature of these systems. To name a few:

Increased complexity: Distributed systems are inherently complex, with numerous microservices, APIs, and dependencies. Understanding how these components interact and affect one another can be daunting when troubleshooting.

Ephemeral resources are difficult to track and troubleshoot: When using serverless systems and container orchestration platforms like Kubernetes, processes can be ephemeral, making it very challenging to identify the resources related to specific users or user segments, and to capture and analyze the state of the system relevant to specific traffic.

Cost of observability: Observability is critical in cloud native environments because of the complexity and high rates of change described above. However, cloud native environments generate orders of magnitude more observability data (i.e., metrics, traces, logs), driving up costs and making them less predictable.

According to a report from the Digital Enterprise Journal, cloud native environments generate 12.4X more observability data than previous VM-based and monolithic environments. Beyond driving up observability costs, this complexity is also slowing down developers, who are spending 25% of their time on troubleshooting. In addition, when an organization's observability infrastructure isn't architected for quick triage and problem analysis, more time is invested in producing and reviewing log data, a costly and time-consuming pursuit.

Our Joint Solution
Why are we better together

Lightrun's developer observability platform empowers developers to shift left troubleshooting of complex workloads through its dynamic logs, snapshots and metrics that can be added in runtime directly from the development environment (IDE). When paired with the Chronosphere Observability Platform that provides developers with a dynamically generated, service-centric perspective that allows developers to intuitively navigate the complex landscapes of their systems using their own mental model, the result is a significant reduction in troubleshooting time.
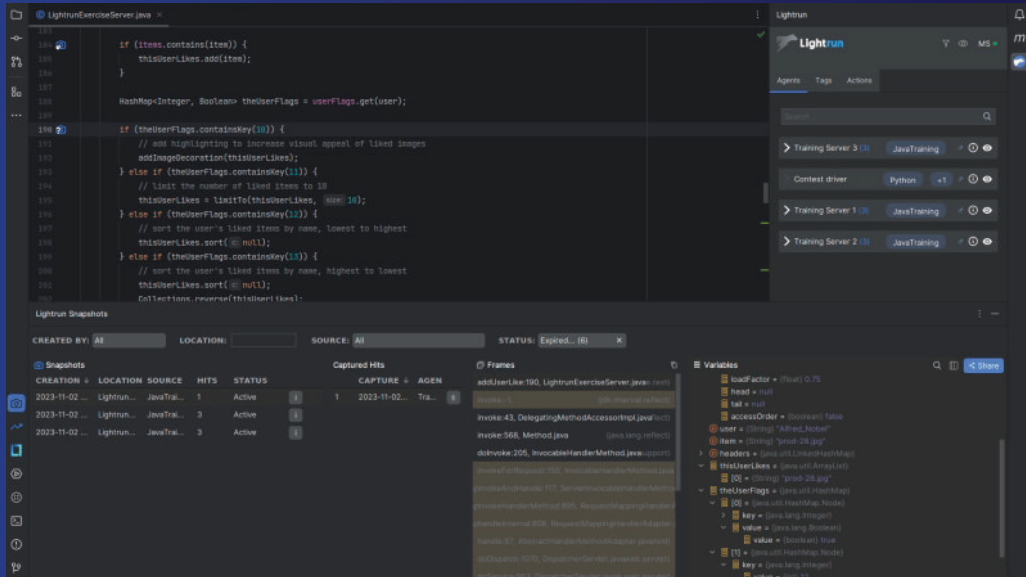
The top 3 benefits provided by our joint solution:

With Chronosphere and Lightrun, customers cut through all of their observability data to the signals that matter most. Chronosphere's cloud native platform finds the needle in the haystack throughout all of the telemetry produced by distributed applications. Developers then use Lightrun to query the state of the live system right in their IDE. They can also dynamically generate additional telemetry to send to Chronosphere, for richer end-to-end analysis.

The result is faster, comprehensive cloud native observability - call this out via design

Understand what's going on in code, right now, wherever it is deployed, at cloud native scale

Zoom in on the details that matter despite the complexity of the code and the deployment.

Combine new, on-demand logs and metrics with traditional data for control, cost management, and automatic outlier alerting.

With developer-native, full-cycle observability, Chronosphere and Lightrun support rapid issue triage, analysis, and resolution. This is essential to organizations leveraging modern infrastructure who want to take full advantage of an end to end observability platform while maintaining control over their cloud-native costs.

Cloud native environments generate **12.4X** more observability data than previous VM-based and monolithic environments according to Digital Enterprise Journal

71%
of respondents said their business can't innovate effectively without good observability.

96%
of respondents said using cloud native architectures have increased the complexity of trouble- shooting incidents.

87%
of individual contributors spend most of their time resolving low level issues but say what they really want to do is innovate.

*Read the report

TO FIND OUT MORE

Watch the Chronosphere/Lightrun demo

Read Lightrun's study on the Economic Impact on Enterprise Logging & Observability Costs

Visit Lightrun's website

See how Chronosphere and Lightrun illuminate your tech stack for full cycle observability

Chronoshere and Lightrun blog Troubleshooting cloud native applications at runtime

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