



Solution Sheet

IBM Instana and Lightstron Observability Platform

Shift Left Observability

Lightrun and IBM Instana enable customers to shift-left observability to the developers in a cost-effective way. With the proven and powerful observability capabilities of Instana that automatically delivers continuous high-fidelity data at 1-second granularity and end-to-end traces with the context of logical and physical dependencies across various applications and infrastructures, and Lightrun's enterprise grade dynamic observability platform, developers can enhance their productivity, slash their MTTR to resolve complex issues in production without the need for hotfixes and re-deployments.

Enterprise Grade Observability Platform

IBM Instana offers enterprise level **observability** that goes far beyond traditional APM platforms. It democratizes observability so anyone across DevOps, SRE, platform engineering, ITops and development can get the data they want with the context they need.

Developer Native Observability

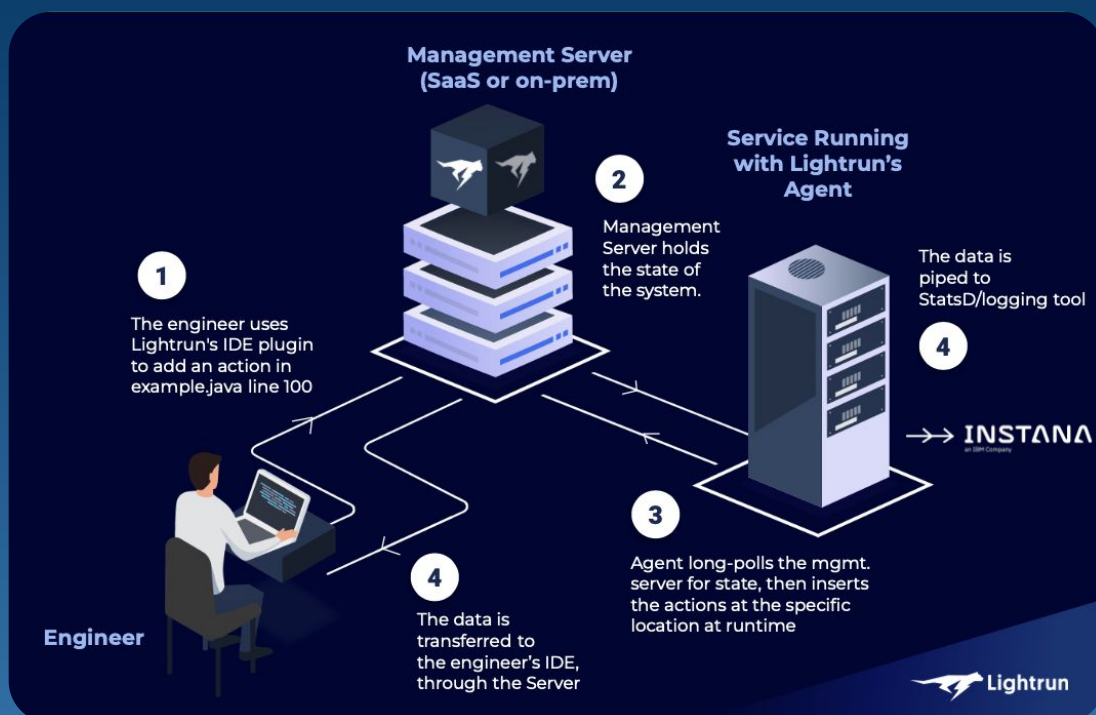
Lightrun enables developers to troubleshoot the most complex remote and distributed workloads directly from the IDE using dynamic logs and snapshots. This translates into fast resolution of production incidents, **reduced MTTR** and **enhanced dev productivity** at a **cost-efficient** workflow.

Optimized Troubleshooting Workflow

Instana and **Lightrun** provides customers with a **single pane of observability glass** in a developer native manner. With Lightrun's metrics capabilities generated at application runtime directly from within the developers IDE and Instana's full stack observability, intelligence and automation, developers have all data that they need on-demand to effectively troubleshoot complex performance and anomalies issues. **IBM Instana streamlines** overall application observability and alerts developers about anomalies and production issues through top-notch visualization, while Lightrun simplifies the debugging and allows the addition of runtime telemetry (dynamic logs, metrics, and snapshots) to complement the entire troubleshooting process.

As illustrated below, **Lightrun** is an innovative observability platform designed to simplify debugging and monitoring of production applications. It allows developers to create various debugging actions like **Metrics** and attach them to running applications at high scale. Such runtime telemetry data is being piped directly from the ID plugin to **Instana's** dashboards for aggregation and further consumption, visualization, context, and analysis. Equipped with the 2 platforms, developers are able to enhance their productivity, and address any complex issues within their cloud-native and distributed workload applications to **reduce** the overall **MTTR**.

Lightrun & IBM Instana Shifting Left Observability at Enterprise Grade Service

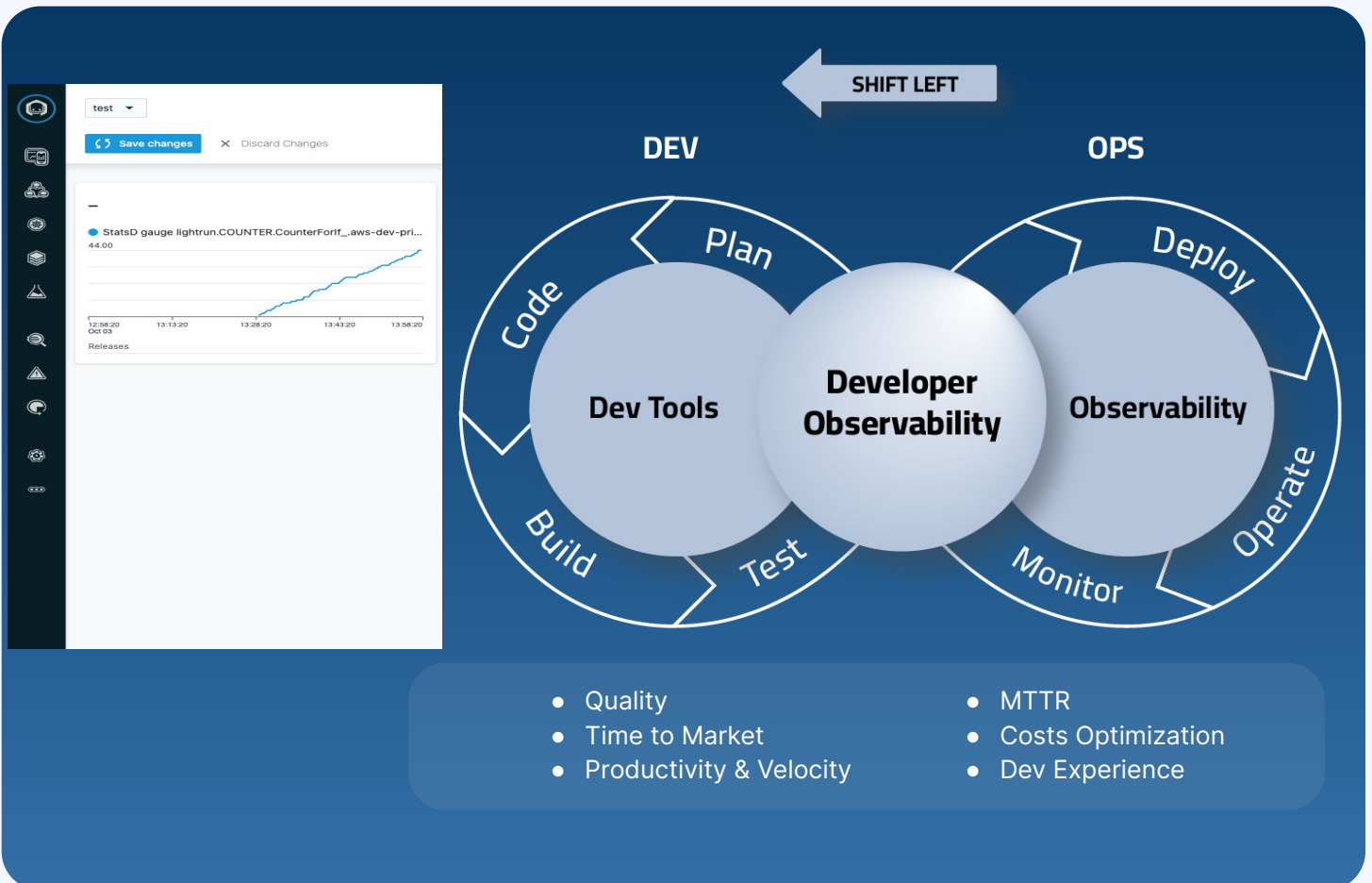


Lightrun Platform Overview

Lightrun is the market leader in Developer Observability, which revolutionizes runtime troubleshooting for developers. Lightrun's patented platform provides developers with unmatched live debugging capabilities and real-time insights into their application's behavior at runtime. Developers can seamlessly and securely instrument and access real-time logs, metrics, and breakpoints (snapshots) from their IDE without the need for hotfixes, code changes, redeployments, or restarts.

Already trusted by Fortune 500 companies like Chubb, Priceline, Microsoft, Inditex, Lightrun helps organizations to identify and resolve customer issues 10x faster, lower MTTR for downtimes and critical issues affecting business operations, and reduces logging and observability costs which in turn results in higher gross margins and bottom line revenue. Lightrun also improves developer productivity and dev experience, leading to better software quality and faster time to market.

Lightrun complies with the strictest industry-leading security standards and has been recognized as a LinkedIn Top Startup and a Gartner Cool Vendor in Observability and Cloud Operations.



IBM Instana Platform Overview



Accelerated Innovation

Improve the overall speed and flow of DevOps pipelines through automation to better understand customer's environment and speed up innovation.



Automation-Optimized Ops

Mitigate user impact by predicting and resolving issues proactively with AI-powered solutions for enhanced accuracy and efficiency.



Better Customer Experience

Increase conversion rates and revenue by gaining a comprehensive understanding of every customer interaction and optimizing them to deliver exceptional experience.



Democratized Observability

Not limited to a select set of power users, Instana gives anyone across DevOps, SRE, platform engineering, ITOps and development the data they want with the context they need.

[Link to Full Demo](#)

- **Full Stack Observability**

A single, lightweight agent per host discovers all components and deploys sensors crafted to continuously monitor application performance, microservices, Kubernetes, databases, APIs, serverless and containers in real time with no sampling. Dashboards and visualizations contextualize interactions among all resources, while actionable insights help you take immediate action.

- **Automation and Intelligence**

Instana automatically discovers and maps all services, ingests observability metrics, traces each request, profiles every process and maps all application dependencies. It even captures and isolates browser and mobile application errors, including JavaScript.

- **Powerful Remediation**

Threshold-based smart alerts, automatic detection and correlation of events, issues and service incidents and automatic identification of each incident's likely root cause result in the fastest mean time to resolution (MTTR).

- **Digital Experience**

Mobile app and website monitoring offers a unified data source for gaining a comprehensive understanding of user behavior and promptly resolving any frontend issues. This streamlined approach ensures maximum efficiency in troubleshooting problems.

- **Seamless Integration with Over 300 Supported Technologies**

Instana supports more than 300 applications/integrations to provide you a comprehensive view of your application across the entire IT infrastructure with no plug-ins or application restart. And with our latest integration with Turbo, you can gain the added value of cost optimization.