Lightrun is a Developer Observability Platform

Lightrun enables developers to securely add **logs, metrics and traces** to live applications **in real time, on demand & directly from the IDE.**

Use Cases

Troubleshoot Production Incidents

Debug performance bottlenecks, failed app transactions, misbehaving caches /APIs, DB persistence issues and more

Debug Kubernetes From the IDE

Avoid cascading failures in live applications while adding real-time logs. Capture breakpoint-grade telemetry and instrument metrics in multiple pods or multiple clusters simultaneously - no service mesh or port-forwarding magic required.

Push From IDE \rightarrow APM

Create new application logs and metrics in the IDE. See them in the APM - immediately.

Instrument 3rd Party Libraries As Your Own Lightrun is agnostic to the code you're instrumenting, as long as you've got it loaded up in your IDE (No GitHub permissions required).

Legacy code exploration and code flow investigation

Lightrun is agnostic to the code you're instrumenting, as long as you've got it loaded up in your IDE (No GitHub permissions required).

Validate Progressive Delivery Rollouts

Know which code block is executed for each user. Easily & conditionally isolate specific execution paths no unnecessary logs left behind.

Reduced

Logging costs



Reduced Cloud & Dev Env Costs Benefits



Reduced MTTR



Increased Dev Productivity



Increased Dev Happiness

Lightrun is exposed to your developers as a native, familiar IDE plugin.



Lightrun information can be piped anywhere your IDE, various integrations or local files.









Lightrun Architecture

1. The developer uses Lightrun's IDE plugin to securely add logs/metrics/traces in example.java line 100

2. Lightrun's Management Server (Cloud/On-Prem) receives the new request, and dispatches a request to the relevant agent

3. Lightrun's agent inserts the the relevant information at the specific location without stopping the server

4. The data is transmitted back to the Management Server, and from there to the developer's IDE

5. Optionally, the developer can choose to pipe the information to any relevant APM/logging tool

Environment Agnostic

Lightrun operates everywhere and anywhere: on-premise, in the cloud **(AWS, GCP, Azure)**, for microservices, for serverless, K8s, and more. Debug in any environment across any infrastructure.



Source Code Incompatibility Lightrun eliminates source code incompatibility by comparing file signatures between source and runtime..

Security and Privacy

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Installed on-premise or in the cloud, Lightrun assures organizations their code remains private and secure. Enterprise-level security measures: **ISO-27001** certification, encryptions, authentication and access control, **RBAC** and **SSO**, **audit trail and logs** and privacy blacklisting.



Stability and Minimal Footprint

Lightrun's footprint is negligible. The invocation requires a minimal footprint ranging between 10s to 100s of microseconds. To ensure overhead control, we use quotas to impose usage limits. A built-in sandbox prevents state modifications.

Visit us: lightrun.com

Plugin Lightrun Lightrun.com

1. Choose a line of code you would like to get more runtime information about

 Right-click to add logs, metrics and snapshots to any running process (without stopping or slowing it down)



