Meet LIGHTRUN
The Leader in Developer Observability

Lightrun is a revolutionary patented Developer Observability Platform allowing developers to **dynamically instrument** logs, metric & traces **from the IDE** in **live applications** running in QA, CI or Production **without the need for code changes, redeployments, or restarts.**

Backed by:

Rewards & Partnerships:

Use Cases

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

Reduce Logging costs by up to 40%
Dynamically add logs as and when you need them, slashing logging volumes and costs across the board. Read 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.
Read more >

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)

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

Debug Code-level User Specific Issues
Explore specific user issues and track specific user execution flows in real-time without interfering the user experience. Read more >

Prioritize Security Vulnerabilities in Runtime and Eliminate CVE false positives
Reduce false positives, effectively prioritize runtime vulnerabilities, and improve the speed and security of development processes. Read more >

Validate Progressive Delivery Rollouts
Know which code block is executed for each user. Easily & conditionally isolate specific execution paths - no unnecessary logs left behind.
Read more >

Lightrun Outcomes

40% — **Cost reduction**
Reduce logging costs and FTE's

60% — **Speed**
Increase time to commit to deploy,Deployment, Frequency, Rework

10X — **MTTR & MTBF**
Faster identification, acknowledgement and resolution of defects

5X — **Developer Productivity**
Less time spent troubleshooting defects

20% — **Software Quality**
Issues found earlier in the pipeline

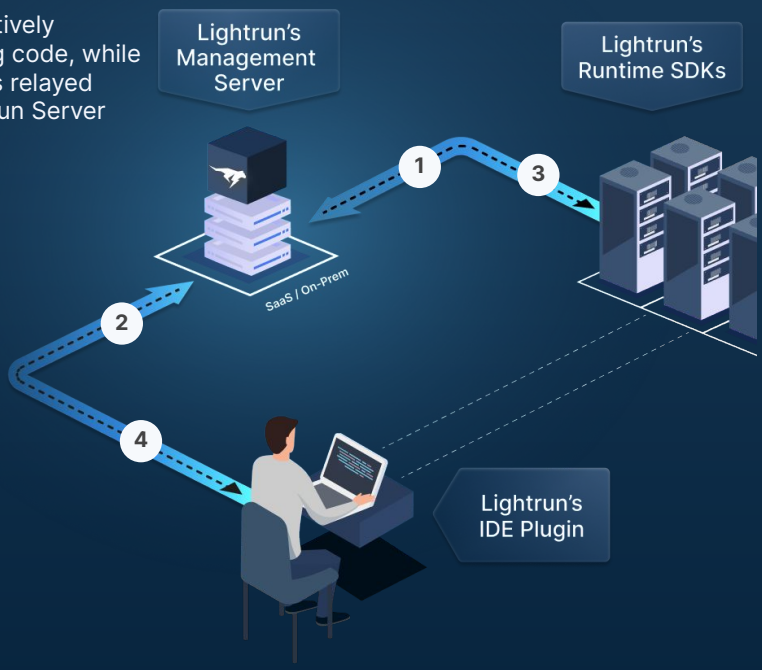
Read more >

Lightrun Architecture

A. The developer's experience is of communicating directly with the running code, though there is no direct connection between developer and deployed software.

B. The developer iteratively inspects the running code, while all communication is relayed safely via the Lightrun Server

1. Each service being monitored includes a Lightrun Agent. The Agent polls the Lightrun Server for requests via secure websocket
2. Developers use an IDE plug-in to request information about the running code
3. The developer's request is relayed along the channel opened by the Agent
4. The requested information, received from the running Agent, is returned to the developer's IDE, or the application's stdout.



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.

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
Lightrun assures organizations the security and privacy of their code by being ISO-27001, SOC 2, GDPR and HIPAA-compliant. In addition, Lightrun provides enterprise-grade controls out of the box: encryption, authentication, RBAC, SSO, audit trail and privacy blacklisting. [Read more >]

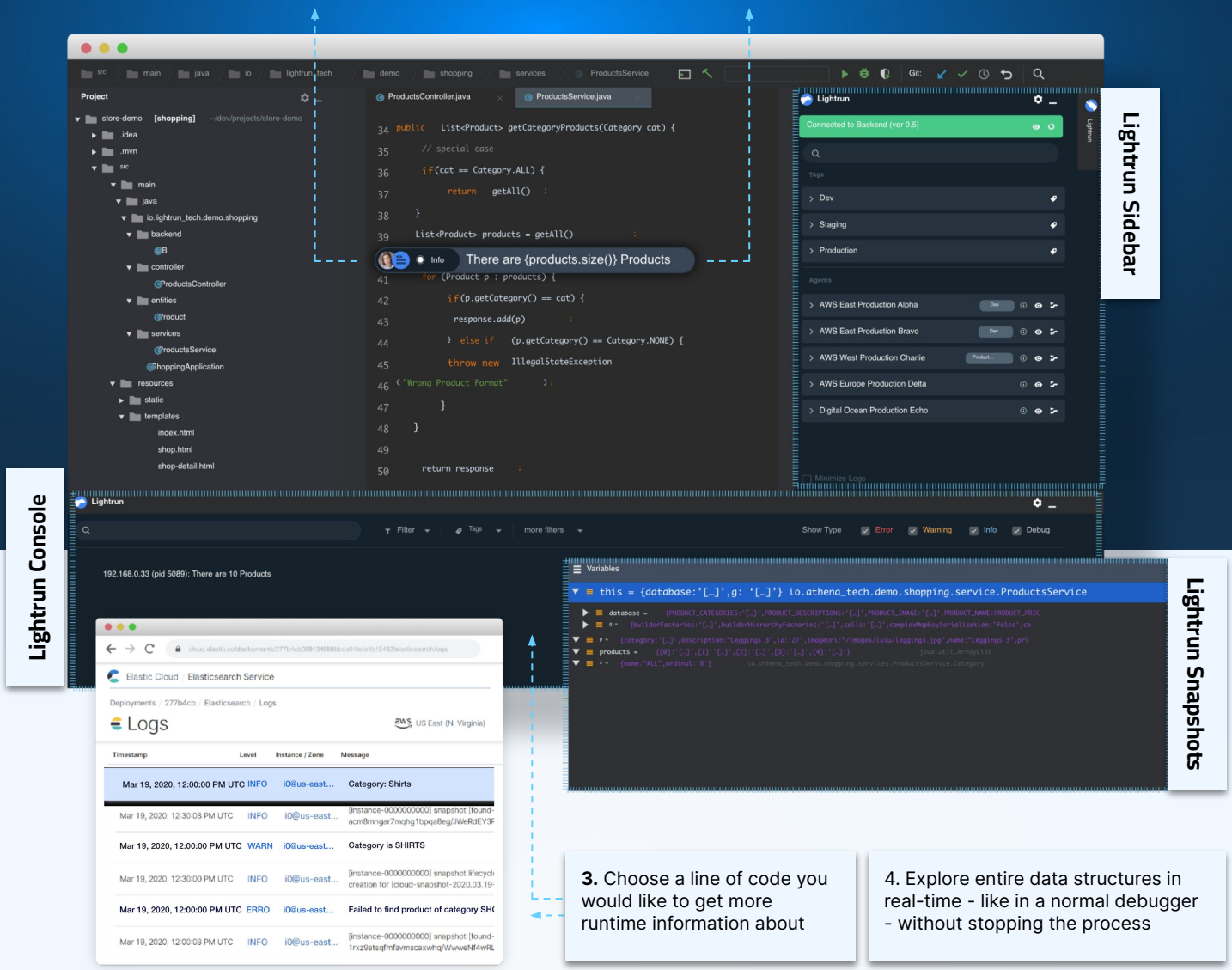
Stability and Minimal Footprint
Lightrun's footprint is negligible. The invocation requires a minimal footprint ranging between 10s to 100s of microseconds. To ensure overhead control, we use quotas to impose usage limits. A built-in sandbox prevents state modifications.

Try our playground: https://playground.lightrun.com/ **Start free:** https://lightrun.com/free

Lightrun Plugin

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

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



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

4. Explore entire data structures in real-time - like in a normal debugger - without stopping the process

Read Some of Our Customer Case Studies >

InsideTracker · DRATA · Taboola · MEND · easyway · start.io