

# Instana Observability

Gain AI-powered, real-time, automated full-stack observability



## Highlights

Manage orchestrated, containerized microservice applications

Take advantage of high-fidelity data with application context to identify every issue

Drive intelligent actions with integrated gen AI and machine learning

IT teams face intense pressure to keep applications running at peak performance while dealing with constant change. With the blurring line between infrastructure and applications creating a complex and ephemeral system with visibility gaps, traditional application performance monitoring (APM) and observability solutions can't keep up with an accelerated pipeline. That's why organizations need automated observability to proactively mitigate and remediate issues—before they impact customers.

## Automation, context and intelligent action, all in one platform

The IBM Instana® Observability platform provides automated observability powered by AI. With real-time change detection, the platform automatically and continuously discovers and contextualizes the most dynamic and complex applications. It empowers application stakeholders with accurate and contextual high-fidelity data, helping them quickly detect and resolve issues while recommending intelligent actions to improve application performance.



Figure 1: Using automated incident remediation, Instana helps teams to catch issues before they impact customers.

IBM Instana® Observability  
infuses automation and AI across  
the entire observability spectrum



**Highest-fidelity data in application context**  
Reduce mean time to repair (MTTR) by 70%<sup>1</sup>



**Ubiquitous automation**  
Decrease developer troubleshooting time by up to 90%<sup>1</sup>



**Intelligent actions**  
Respond to incidents 75% faster<sup>1</sup>

Figure 2. IBM Instana Observability uses AI to streamline monitoring and troubleshooting of application performance.

### **Manage orchestrated, containerized microservice applications**

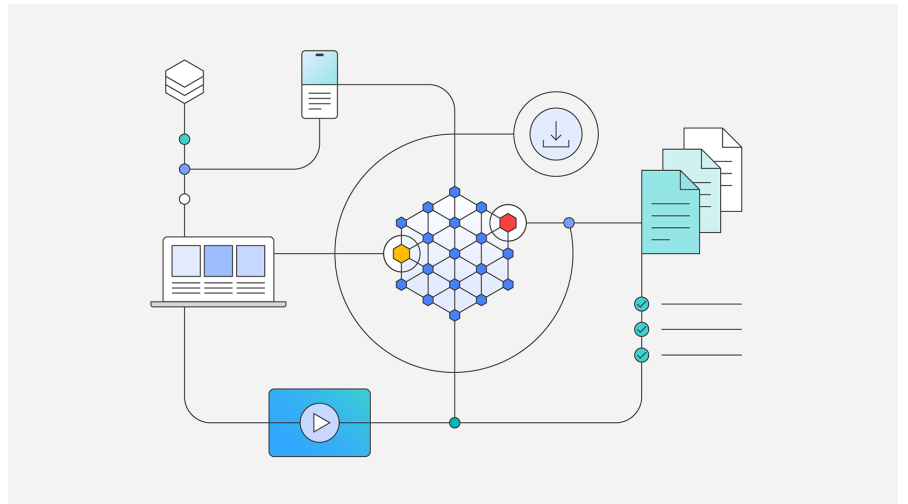
With built-in AI, Instana automates the entire monitoring lifecycle, discovering and mapping all applications and their infrastructure stacks, including cloud-native components such as Kubernetes, Red Hat® OpenShift®, Lambda and cloud platform as a service (PaaS).

### **Take advantage of high-fidelity data with application context to identify every issue**

Instana high-fidelity data drives better application performance in a more efficient manner. One-second granularity helps prevent users from missing any issue, and taking a distributed trace of every request allows teams to quickly solve any problem that occurs and manage rapid change effectively.

### **Drive intelligent actions with integrated gen AI and machine learning**

With built-in machine learning and generative AI (gen AI), Instana automates the diagnosis of issues, including triggering event determination and probable root cause analysis. An integrated action catalog helps make remediation fast and easy, with summarization and assists through the unbounded analytics engine.



### **Conclusion**

Offering an extremely fast time to value and ROI, Instana is a leader in using AI to streamline application performance monitoring and troubleshooting. The platform cuts repair time by 70%, on average, and gives developers back 90% of the time they spend troubleshooting production applications.<sup>1</sup> Using a hassle-free interface, Instana democratizes the use of high-fidelity data for developers, increasing business performance and agility and helping meet service level objectives (SLOs).

For More details  
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