

Supercharge Modern Apps with Observability

INFOGRAPHIC

Cloud-native applications have replaced monolithic software systems, so they can no longer be monitored using traditional tools.

As the data grows at scale, to make sense of it in real-time in conjunction with the entire technology stack, organizations need deeper data insights that can drive their business outcomes. This is where observability comes in.

What exactly is observability?

Monitoring is used by organizations to measure key metrics of system performance and infrastructure tools in real-time. However, monitoring only gives a warning of malfunctions happening in the system but fails to give a clear picture of why a certain piece of hardware or software is misbehaving. Observability is the practice that answers this important “why”.

How does observability work?

Observability uses software intelligence, AI assistance, and continuous automation to deliver deeper insights into an application’s performance and overall health.

Why is observability important?

<p>Monitors Data Continuously Data is continuously monitored so that tech teams can find and resolve issues right away.</p>	<p>Helps Enhance System Health Using insights, teams can detect data change points and improve system performance.</p>
<p>Enriches the Customer Experience Enhanced modern app performance with the help of actionable data enriches customer experience.</p>	<p>Provides Topology Information Tracking and monitoring data across the full stack becomes easier and more efficient.</p>
<p>Automates Instrumentation and Discovery Discovery and instrumentation can be continuously automated with zero manual configuration.</p>	<p>Provides Advanced Root Cause Analysis Teams can swiftly track components with issues, find out why they are occurring, and resolve them.</p>

90% cut down in downtime costs was possible because of advanced observability, keeping them down to \$2.5 million annual versus \$23.8 million for observability beginners. (Enterprise Strategy Group, 2022)



60% of IT and software engineers agree that most monitoring tools serve narrow requirements and fail to enable a unified and complete view into current operating conditions. (IDC, 2022)

Why must observability be implemented?

- ▶ Development teams **improve the bottom line** through modern digital services using the real-time data insights that come from observability
- ▶ The detailed insights into system health that observability provides can assist development teams in **resolving scaling issues in microservice environments**
- ▶ Observability provides a comprehensive picture of issues and roadblocks so development teams can **enhance application performance**
- ▶ Teams working in different locations can **easily access insights from a single data source** defining various project attributes



The fast-growing and feature-rich observability solutions are critical for organizations with digital infrastructure and revenue-driving, customer-facing applications. Improving collaboration between development and operations by standardizing on a single source of truth observability tool can reduce incident resolution times and drive business outcomes.

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