

# Splunk Observability Cloud



Observability provides you with a more detailed and comprehensive view of your environment. It is a thorough overview of what your systems, services, and applications are actually doing.

Organizations are moving functionality to the cloud, modernizing applications, and creating new cloud applications to increase reliability, improve efficiency, and provide better customer experiences. IT teams and developers are adopting hybrid and multicloud environments and technologies, such as containers, Kubernetes, serverless functions, and microservices, leading to increased operational complexity.

Since each team uses different tools—some for monitoring, others for problem-solving, and these tools are not integrated—situations may arise where problems are not detected at all. Because there are so many variants of communication between services, it takes time to figure out what's going on.

That's why Splunk has developed the **Splunk Observability Cloud** suite of tools in a unified environment, giving you comprehensive traceability of your entire infrastructure and allowing you to go from alert to problem resolution in seconds. By using artificial intelligence, you gain valuable insights that also help you prevent these issues.

## Observability — What It Is and What It Isn't

Simply put, observability is the instrumentation of systems and applications for collecting metrics and logs. It's about designing applications with the idea that someone will be monitoring them. It stems from control system theory, which underpins feedback systems, where observability is a measure of how well internal states of a system can be inferred from knowledge of its external outputs—like a kind of digital "exhale." Think of it as a system attribute, much like functionality, performance, or testability.

### Observability as a Culture

Observability doesn't replace monitoring, but the two complement each other. However, it's nearly impossible to have effective monitoring without a culture of observability. Tools are not enough, and no tool will magically give you observability.

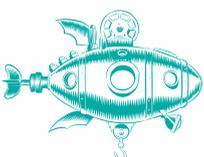
### The Value of Observability:

- Planning and development
- Problem-solving
- Supporting more useful incident reviews
- Improving uptime and performance

### The Pillars of Observability:

- Events — Immutable records of discrete events that occur over time
- Metrics — Numbers that describe a specific process or activity measured over intervals
- Tracing — Data that shows which line of code is failing, providing better insights at the user level into events that have occurred

Monitoring	Observability
Tells if a system is working	Allows you to ask why it isn't working
Collection of metrics and logs about a system	Dissemination of information
Focused on outages	Understands system behavior regardless of outage
"How" / Something you do	"Goal" / Something you have
I monitor you	You allow yourself to be observed



### Trust the Strong

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## Splunk's Observability Cloud

### Splunk Infrastructure Monitoring

Monitoring any infrastructure—on-premise, hybrid/multicloud, at any scale, all in real-time.

### Splunk APM

Monitoring cloud, microservice, and monolithic applications and targeted problem-solving powered by artificial intelligence.

### Splunk Log Observer

Exploring logs from key sources for the DevOps team, optimizing data sources and workflows—all in one place and without code.

### Splunk RUM

Troubleshooting through full visibility into end-user experience data, pinpointing issues from web browsers to backend services.

### Splunk Synthetic Monitoring

Proactively improving customer experience with API interfaces, browser monitoring, and web optimization.

### Splunk On-Call

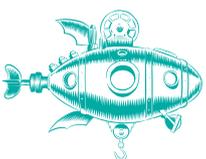
Delivers the right alerts to the right people, shortens acknowledgment times, and helps resolve incidents faster.



Are you interested in Splunk observability solutions? Want to learn more? Find everything at [www.splunk.com](http://www.splunk.com) or contact our sales representative directly:

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