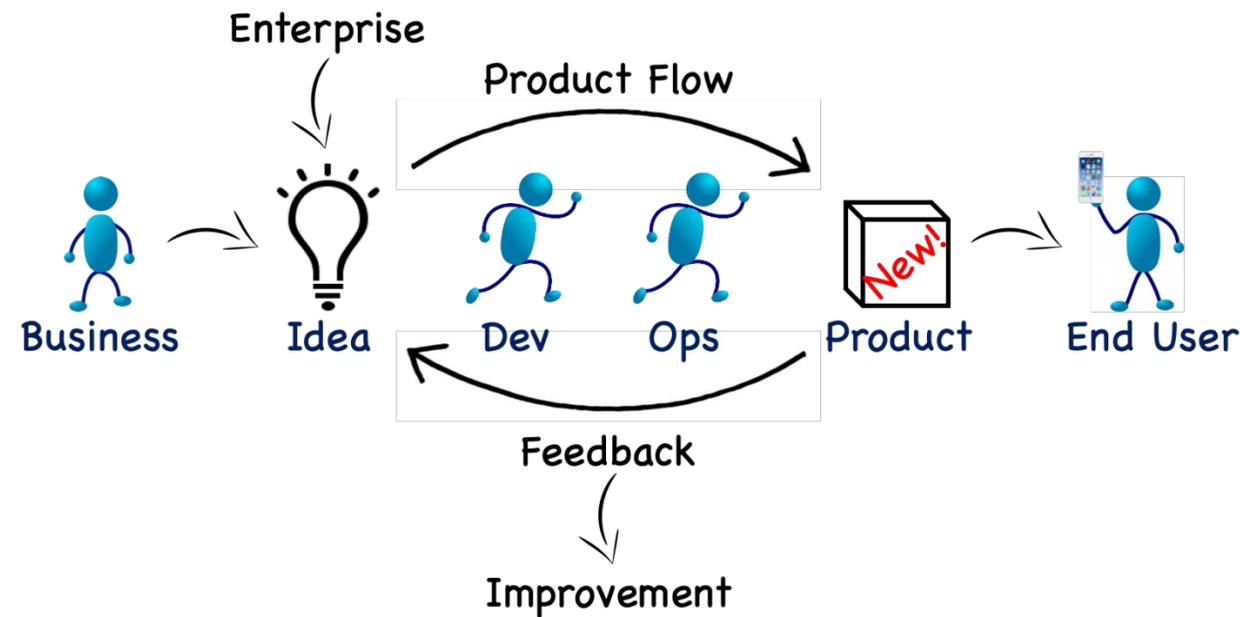


IBM Instana

Sašo Popović
Automation Technical Sales Specialist
IBM Technology Sales, Eastern Europe Territory



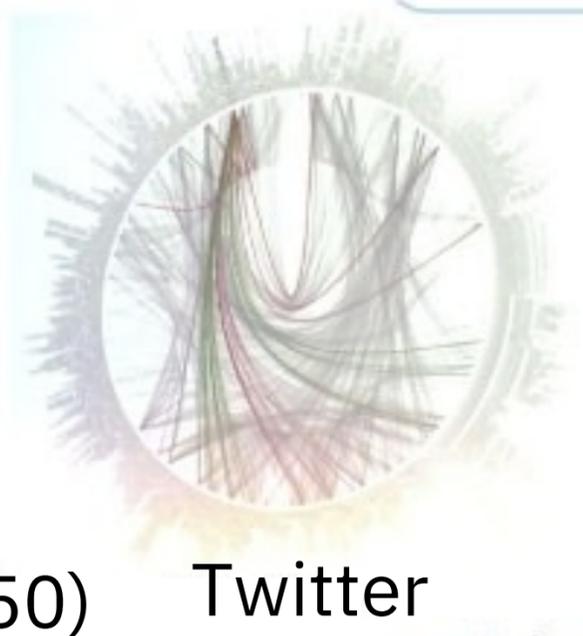
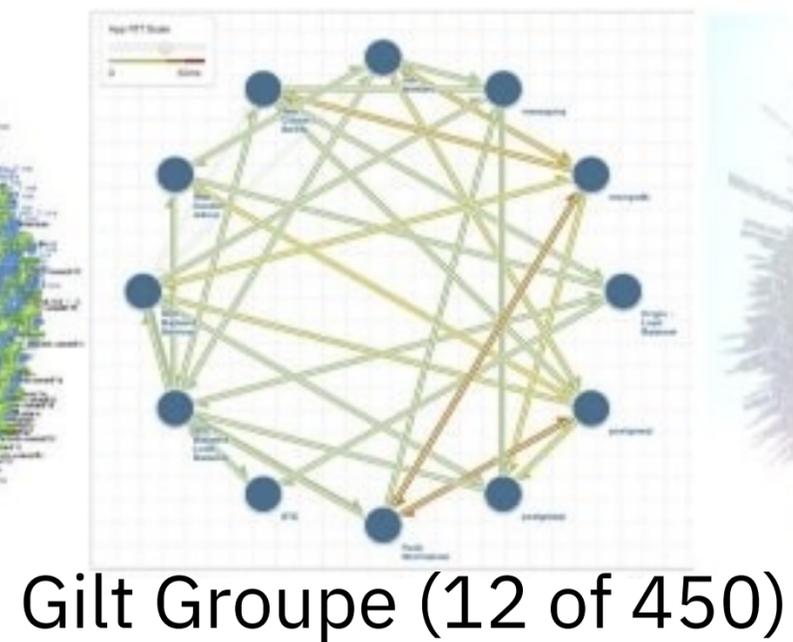
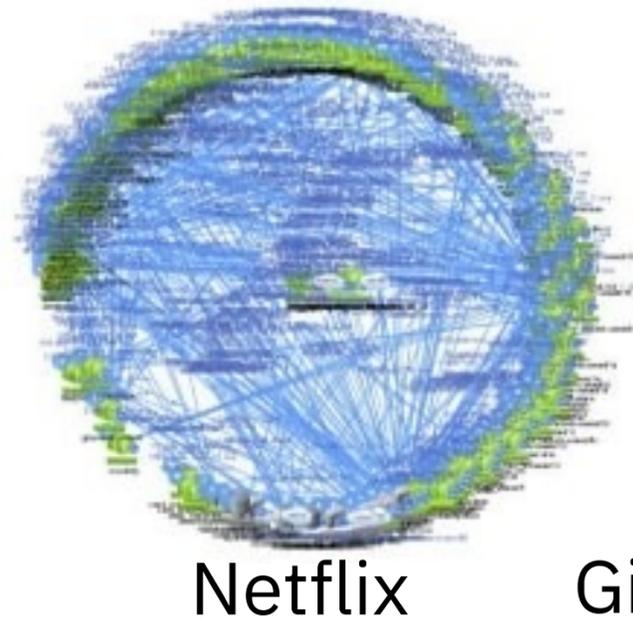
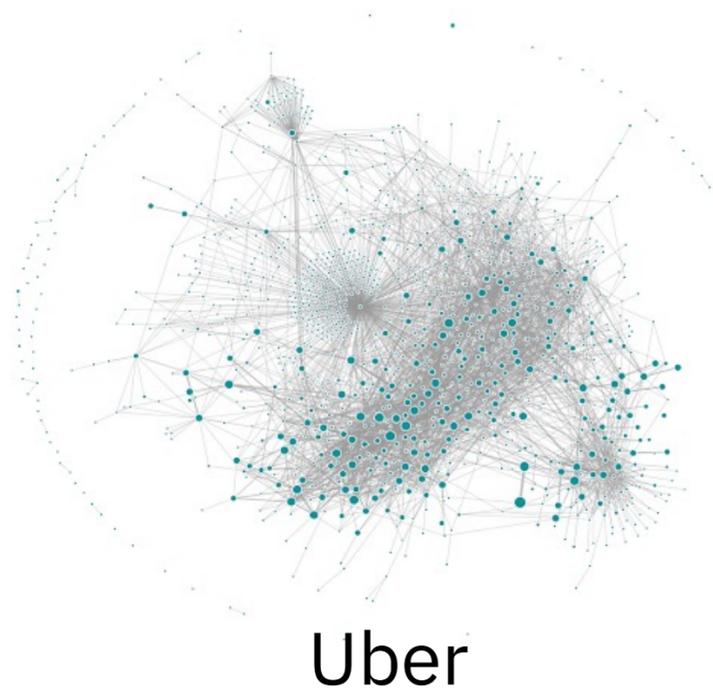
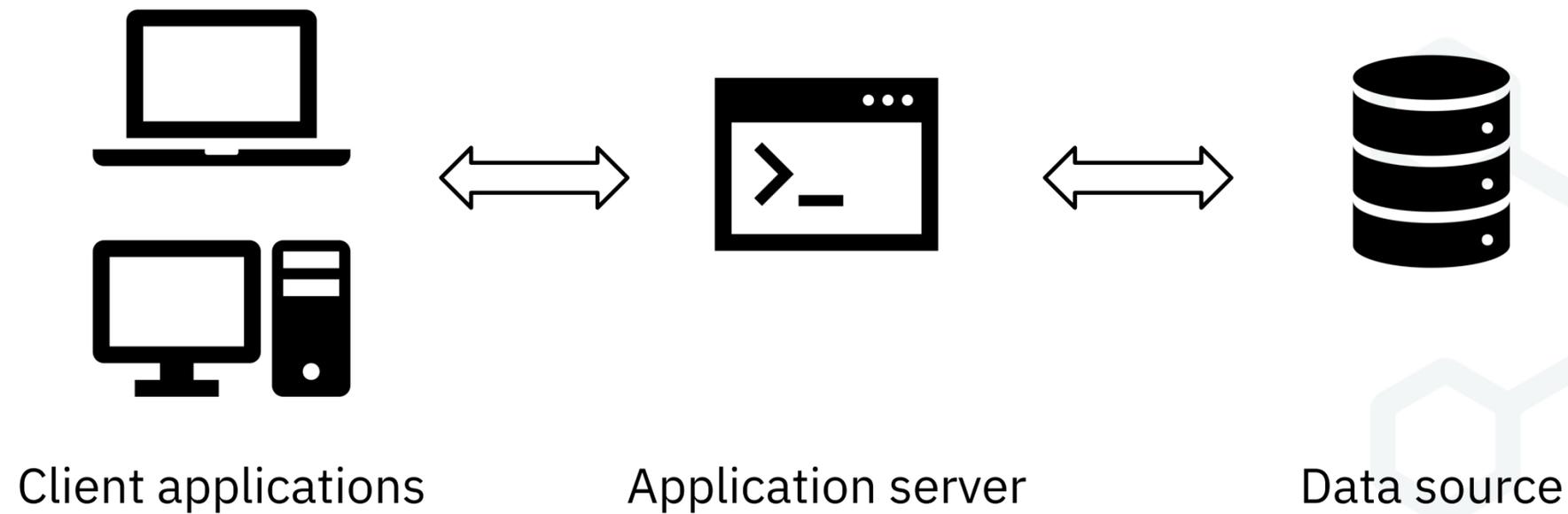
Modernizing apps come with new challenges



- ↑ Infrastructure complexity
- ↑ Number of technologies used
- ↑ Dynamic changes in apps
- ↑ Skills gap
- ↓ Visibility

Application modernization, frequent releases, and use of cloud services creates a challenge for IT Operations

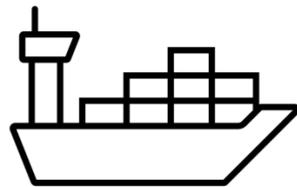
3-tier monolith vs. microservices



NA

Modern tech makes observability a necessity

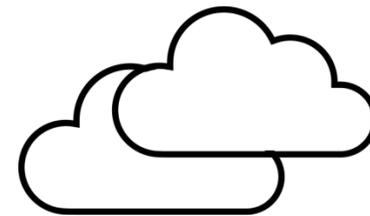
What technologies are harder (or even downright impossible) for APM tools to properly monitor/manage?



containers



orchestration



multicloud



serverless

Traditional Monitoring Lacks Full Visibility Into This New Environment

**You Can't Fix
What You Can't
See**

What Is Observability?

At its core, a system is said to be “observable” when its behavior can be understood based on its telemetry from the outside. It’s about turning an “opaque system” into a “transparent system”, allowing for any kind of performance or problem analysis without restarts or redeploys.



APM vs. Observability

You mean “Observability” isn’t just a new word for “APM?”

APM

Deep dive data without context

Requires SME(s) involvement to make sense of the data/understand the impact

No insights without SME interpretation

Specialized skills required to use

War rooms and collaboration required

Siloed visibility with manual configuration

Observability

Real-time contextualized data showing relationships/interdependencies between systems and applications

Determines impact without human intervention

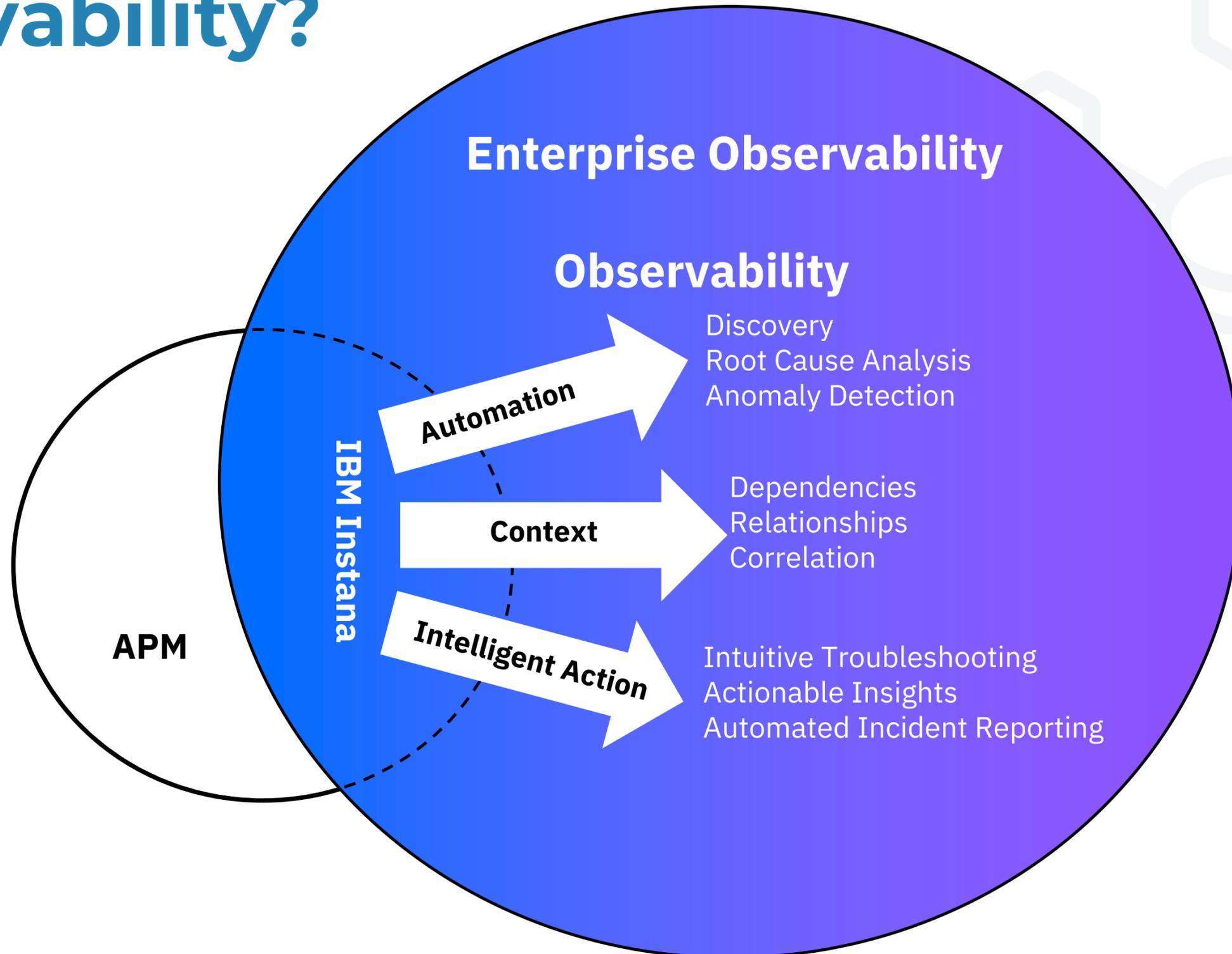
Contains actionable insights with complete correlation and recommended remediation

Usability across the business with custom views

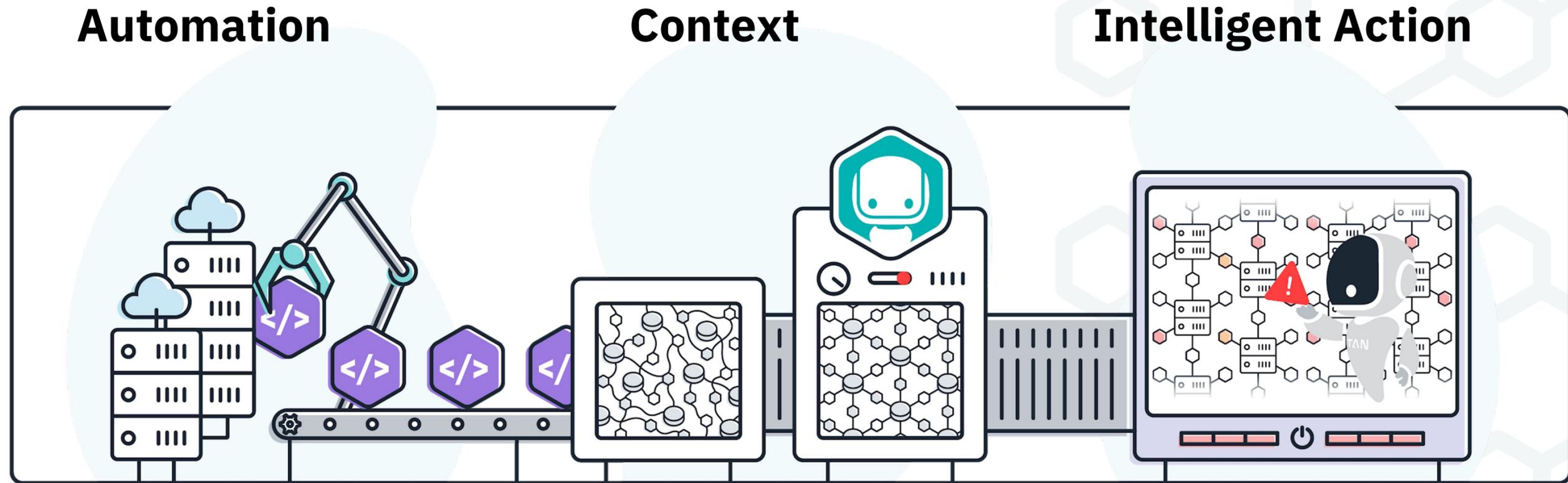
Clear responsibility identified by automatic root cause analysis

Visibility across systems with automated discovery and configuration

What is the difference between APM and observability?



How Can You Excel In This New Reality?



✓ **Risk Reduction**

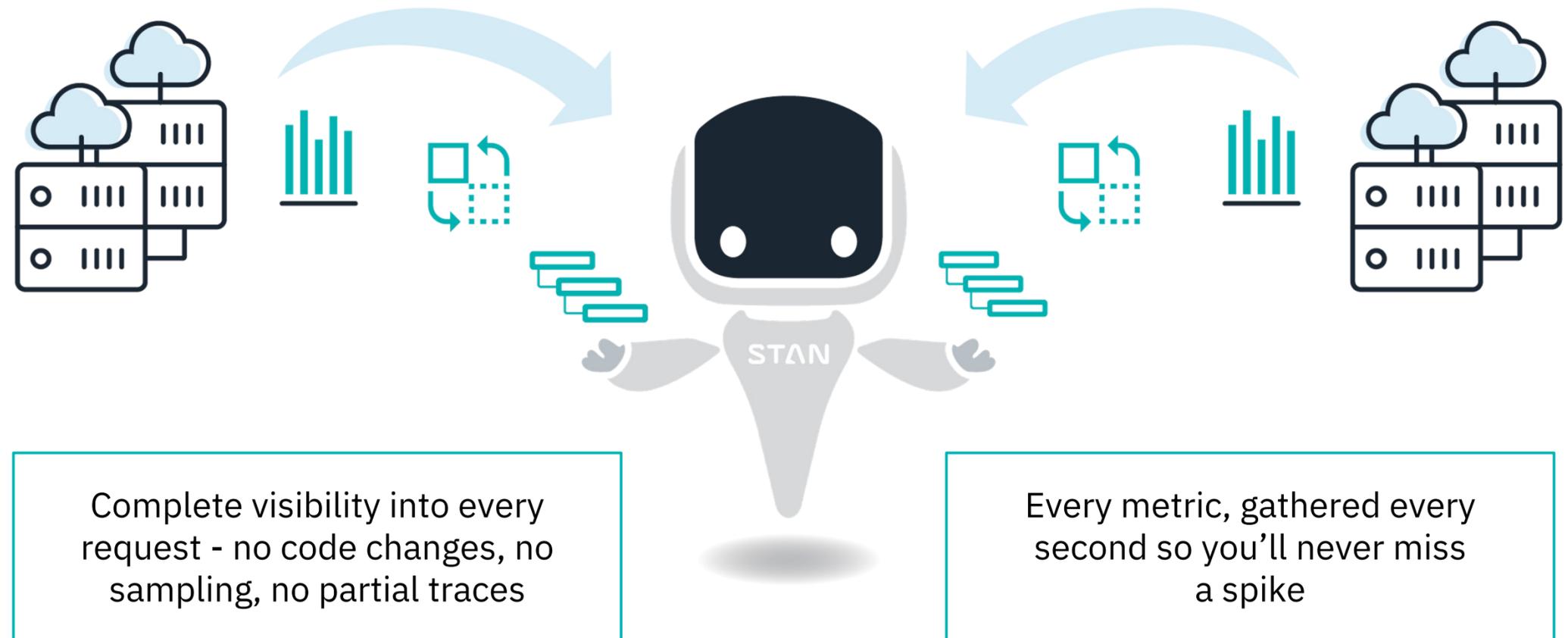
✓ **Accelerated Innovation**

✓ **Efficiency Gain**

Automation

Gain full observability in dynamic environments. Trace everything, record all changes, 1 sec granularity metrics. No wasted time, no blind spots, always accurate monitoring.

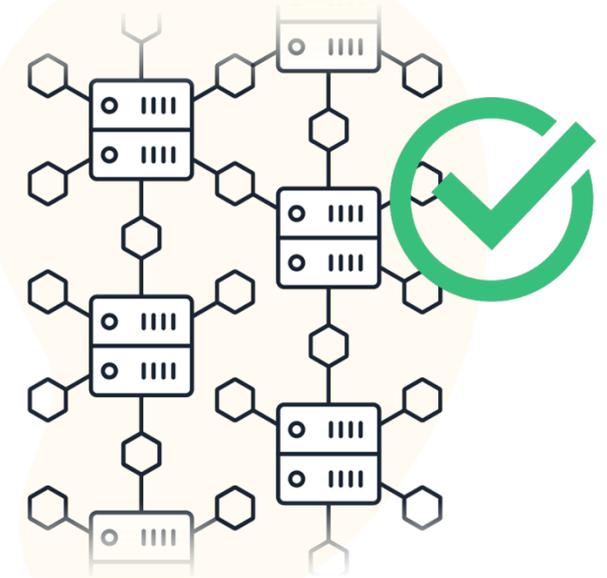
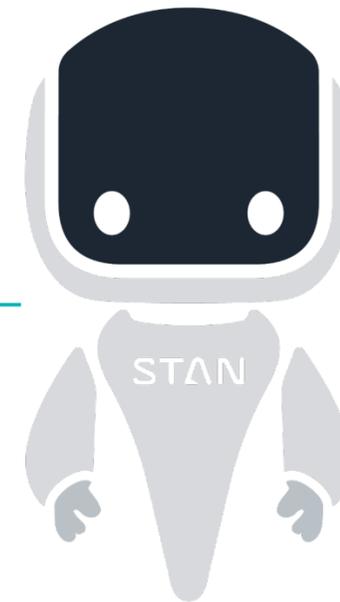
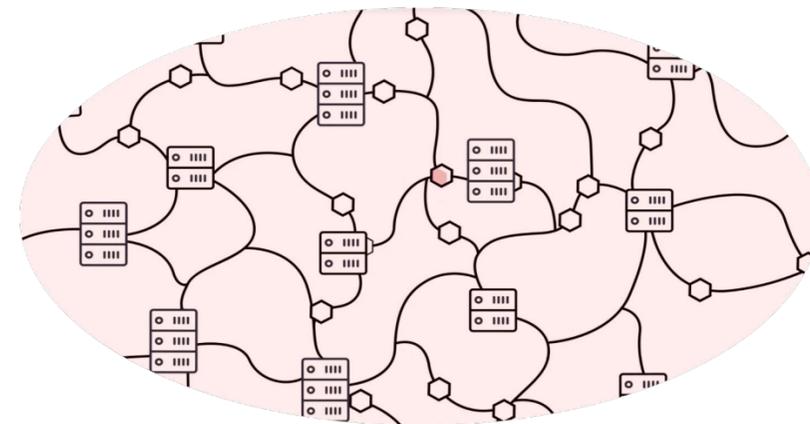
- Dynamic Graph
- Analytics
- Stream Processing
- Application Perspectives
- Alerting & Correlation
- Open Source & Logging Integrations



Context

Get a real-time understanding of how every component impacts every other component and service. Optimize for performance before customer impact with immediate contextual information about the quality of every service.

- Dynamic Graph
- Analytics
- Stream Processing
- Application Perspectives
- Alerting & Correlation
- Open Source & Logging Integrations



Logically group components, services, and requests together to easily visualize the services you care about

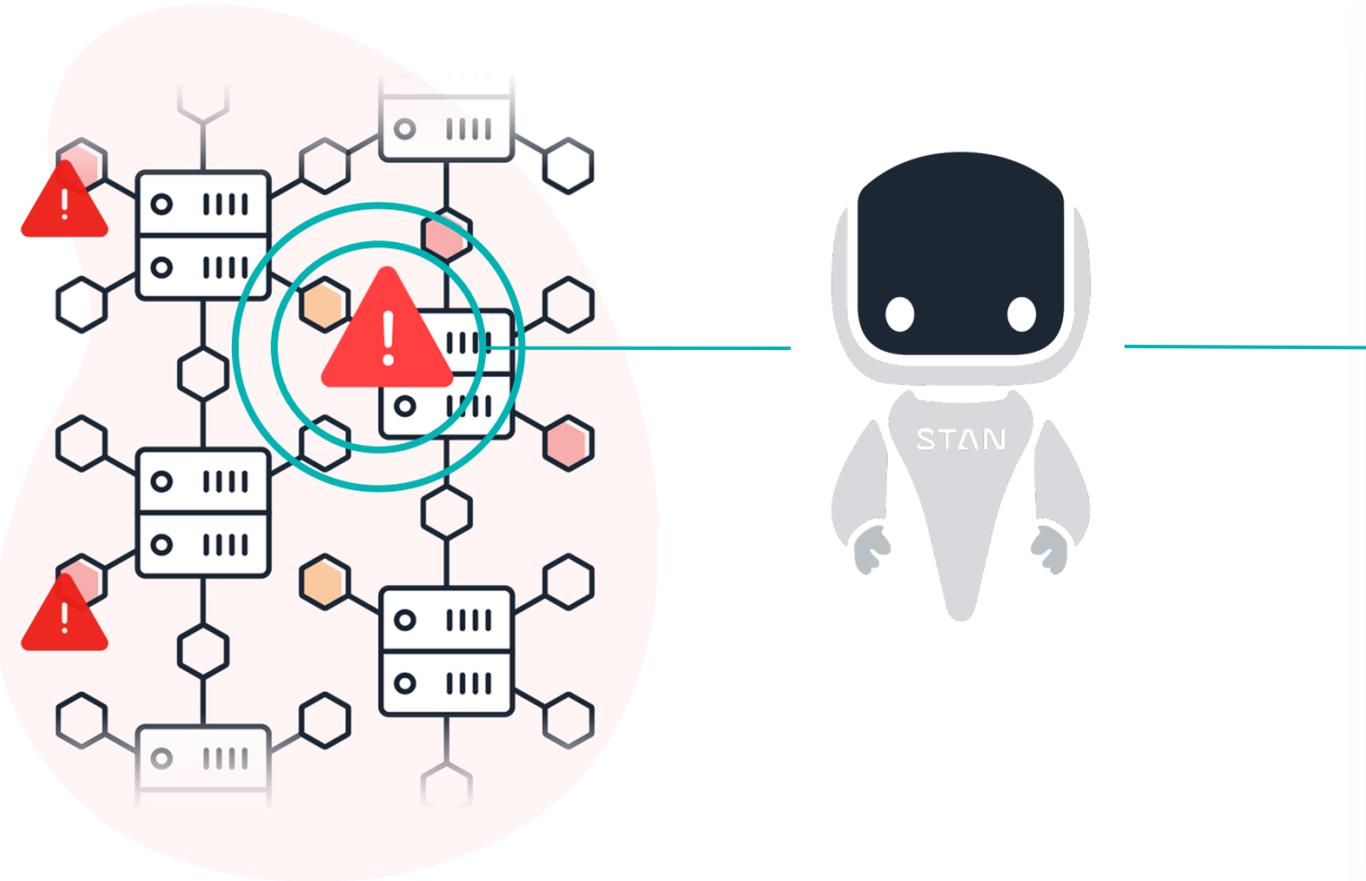
Instana continuously organizes all gathered data into dependency relationship models

Intelligent Action

Resolve issues faster with an understanding of contributing factors. Analyze every user request from any perspective to quickly find and resolve every bottleneck.

Single, actionable alert with all events correlated to the root cause

- Actionable Information
- Correlated Incident Report
- Intuitive Troubleshooting
- Traverse Product in Context
- Canary Deployment



Time	Event	Duration
08:31:45	On: MySQL@3306 on demo-mysql	
08:33:00	Erroneous call rate is too high On: MySQL@3306 on demo-mysql	2m 26s
08:32:55	Sudden drop in the number of requests On: catalogue	2m 31s
08:30:40	Sudden increase in the number of erroneous calls On: discount	4m 46s
08:32:15	Sudden increase in average latency On: discount	3m 11s
08:33:00	Erroneous call rate is too high On: discount	2m 26s
08:30:45	Sudden increase in the number of erroneous calls On: catalogue-demo	4m 41s
08:32:15	Sudden increase in average latency On: catalogue-demo	3m 11s
08:33:00	Sudden drop in the number of requests On: catalogue-demo	2m 26s
08:34:00	Erroneous call rate is too high On: catalogue-demo	1m 26s

Key Resources to Learn more about Instana

- Play with Instana: <https://play-with.instana.io/>
- Monthly power hour sessions: <https://www.instana.com/training-resources/>
- eBook – Observability for Developers: <https://www.instana.com/library/ebook-observability-for-developers/>
- Webinars: <https://www.instana.com/webinars/>
- Engineering Blog: <https://www.instana.com/blog/category/engineering>

