INSTANA

Automatic Monitoring for Dynamic Applications

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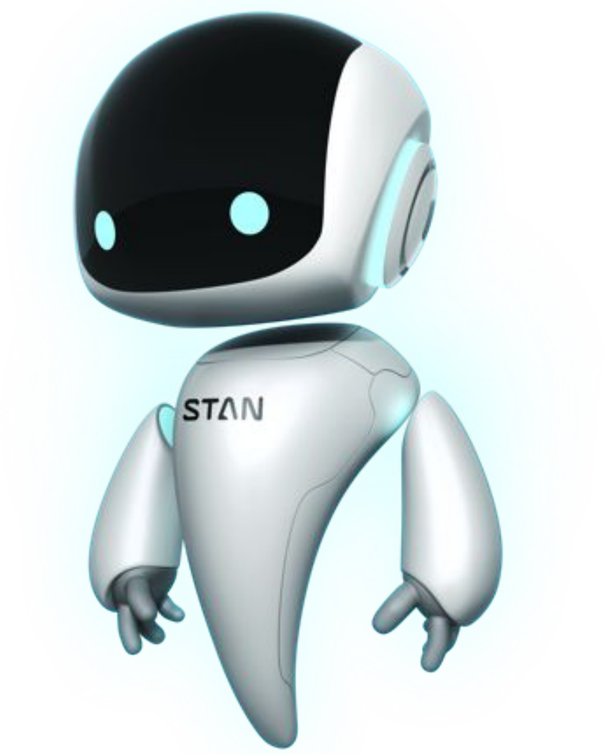
Founded by APM experts

- Mirko Novakovic – CEO
- Pete Abrams – COO
- Pavlo Baron – CTO
- Fabian Lange – VP Engineering

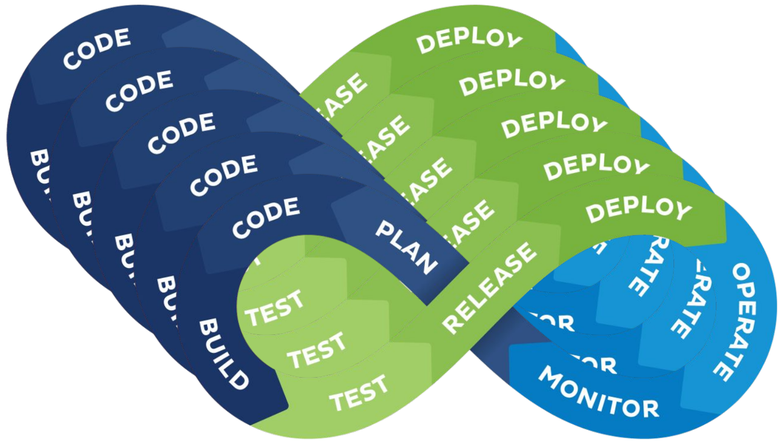
Global Operations

- Marketing – Silicon Valley
- Dev & Support – Germany
- Sales – USA, Germany, UK, France, Japan



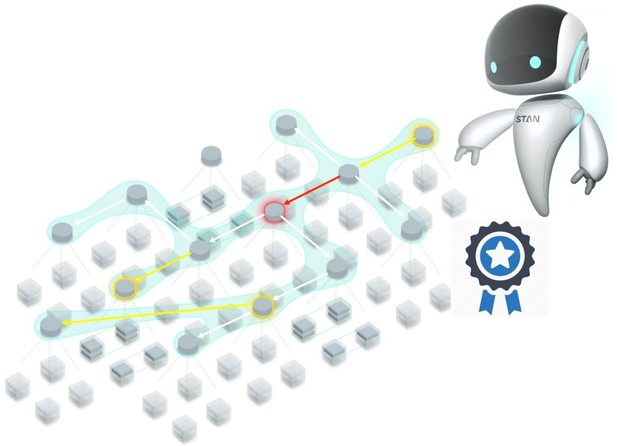
2015	250+	20	1
Founded	Customers	Countries	Smart Robot

What Instana Enables



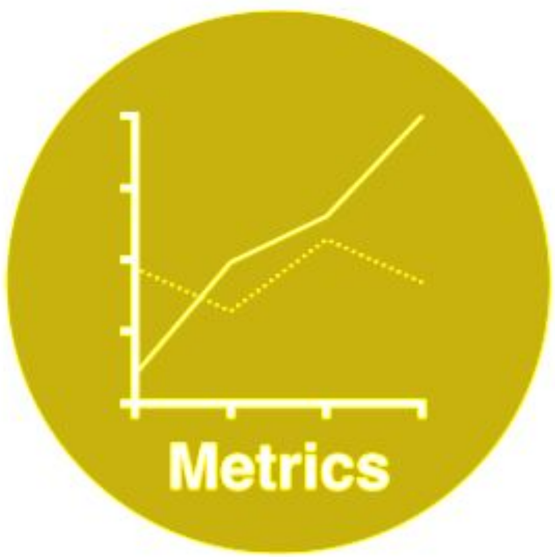
Faster Delivery Cycles

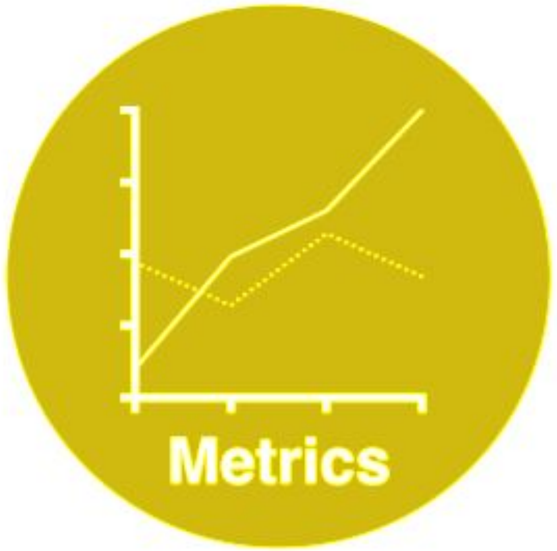
Better Digital Experiences



Operational Excellence

Three Pillars of Observability





elastic + fluentd + kibana

Grafana

Prometheus

JAEGER

ISTIO

OPENTRACING

- OpenShift comes with EFK and Prometheus + Grafana stack
  - only for platform monitoring
  - not customizable → add. Prometheus / Grafana Stack for Apps
  - Storage Requirements and Data deprecation can be tricky
- Distributed Tracing with Istio?
  - Service Mesh only visibility
  - manual configuration steps
  - Intensive resource requirements

3 Pillars and 3 different tool stacks

→ its a lot of work to set this up -- Observability Workshop --

→ intensive to keep all stacks up to date

→ difficult to correlate issues across domains (pillars)

→ think about :

→ ease of onboarding / ease of use / effort of training

→ dynamic nature of the environments

Collected data is very difficult to interpret without accurate context.

The Dynamic Graph - To make sense of it all

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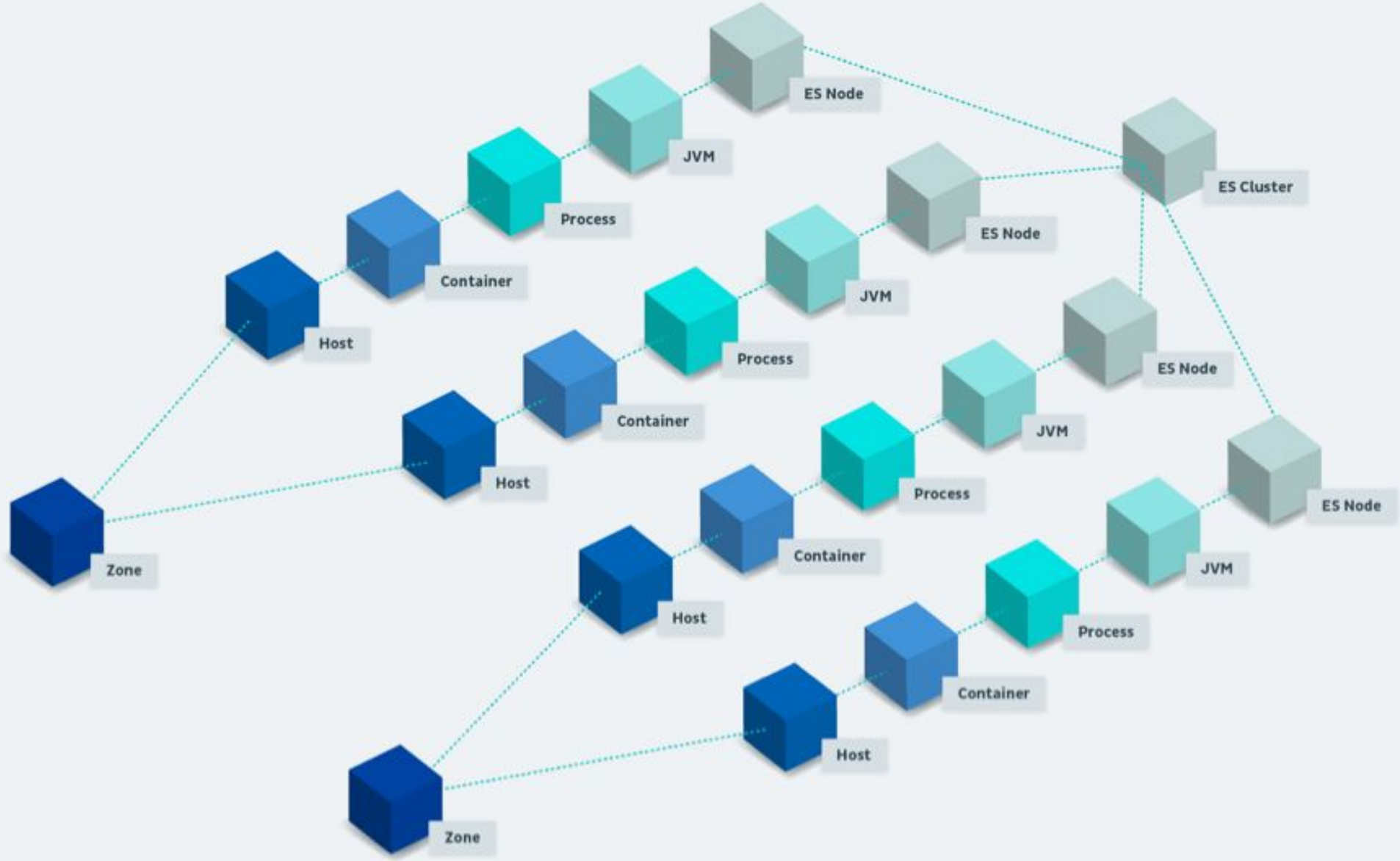

Snapshot of the Dynamic Graph

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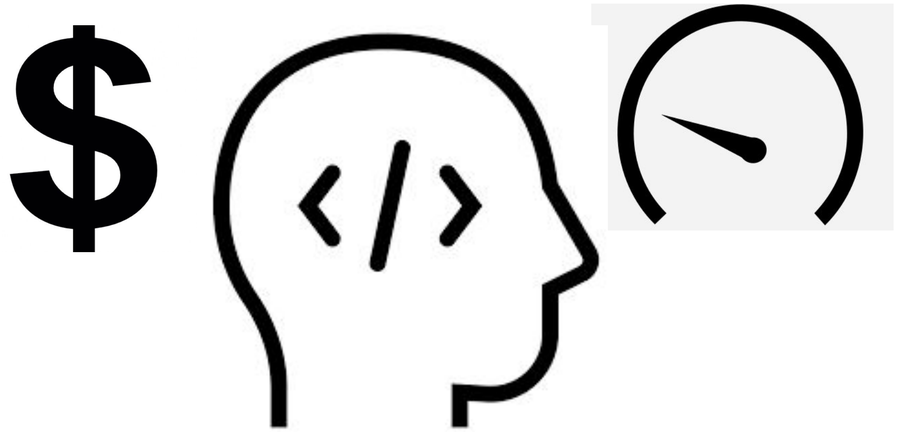
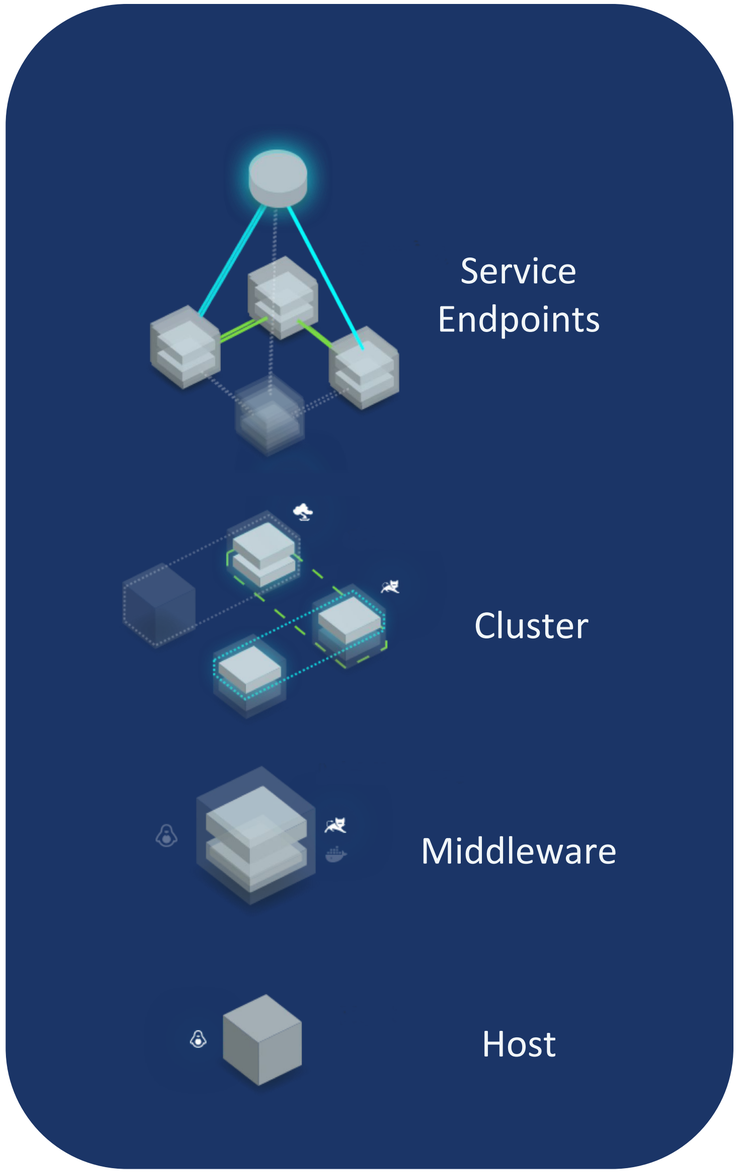
Traditional monitoring REQUIRES your best engineers

- **Manually** writing data collectors
- **Manually** instrumenting code for tracing
- **Manually** configuring data collectors
- **Manually** building data collection to store metrics
- **Manually** discovering dependencies
- **Manually** deciding how to correlate data
- **Manually** building dashboards to visualize correlation
- **Manually** configuring alerting rules and thresholds



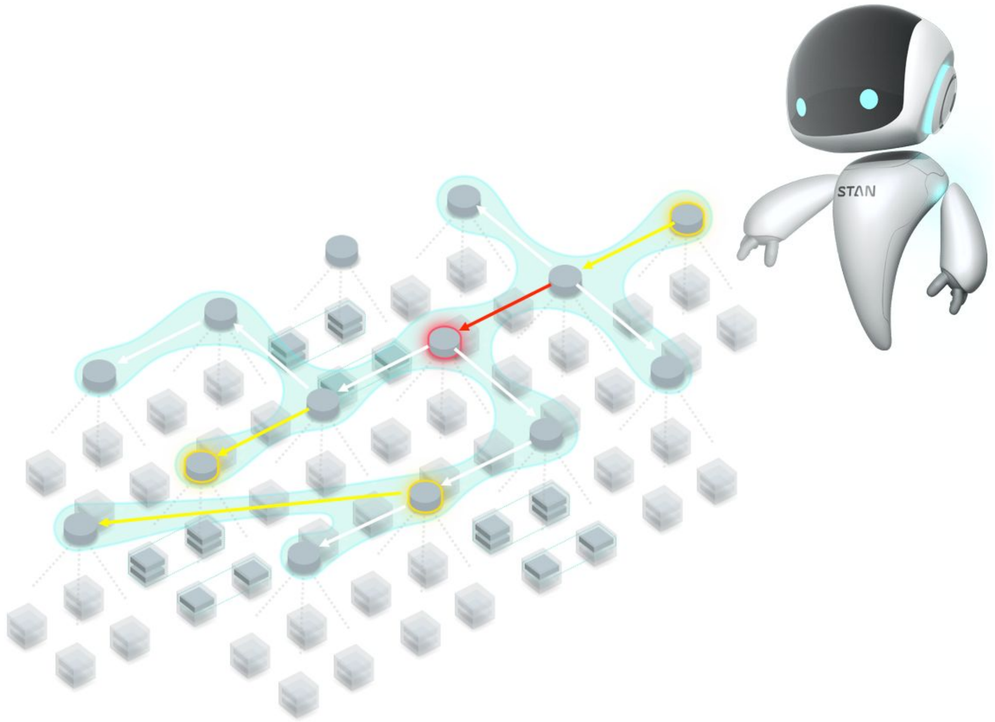
CREATING NO BUSINESS VALUE!

Dynamic Change at Every Technology Layer

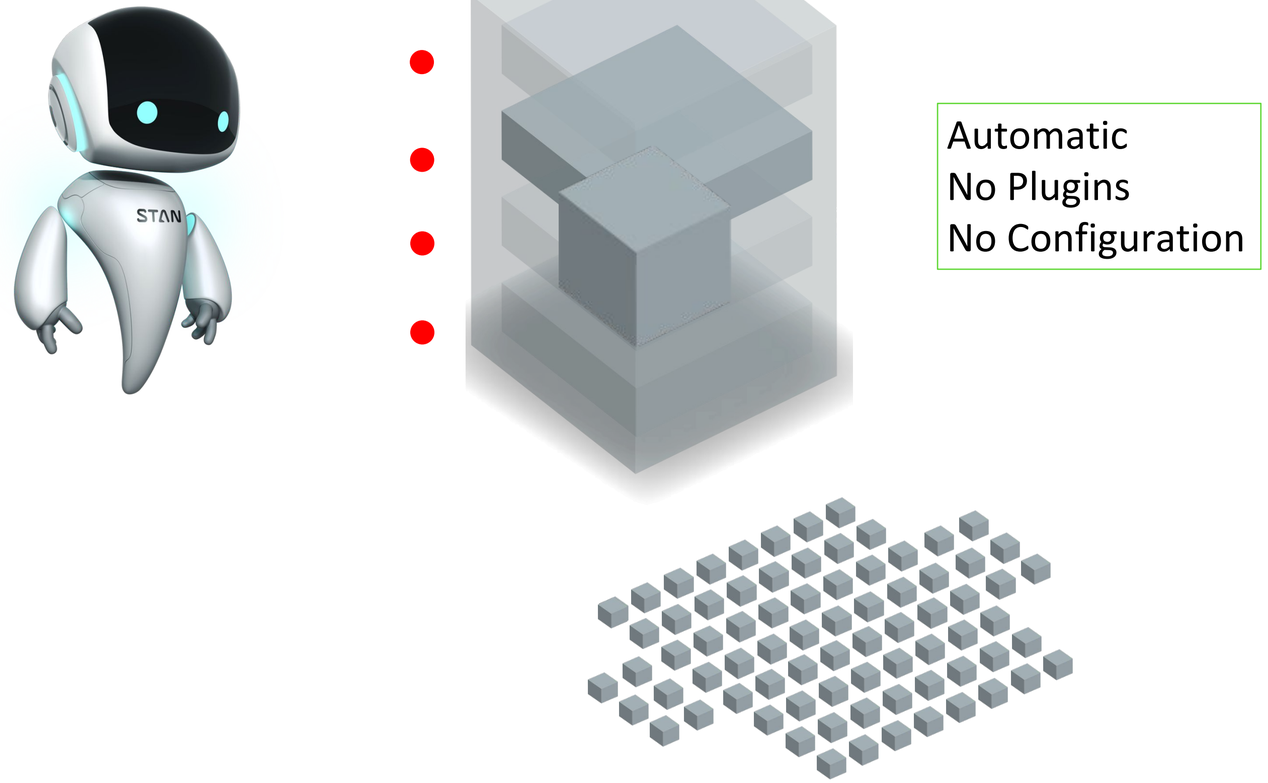


- New Services and endpoints continuously added
- Clusters scale up and down based on demand
- New Middleware Containers provisioned automatically
- New Hosts provisioned “On-Demand” in the Cloud

Automatic Monitoring for Dynamic Applications

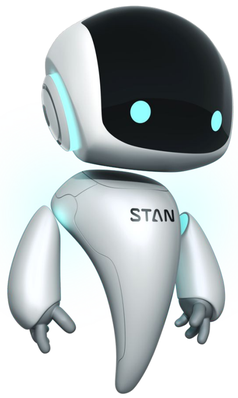


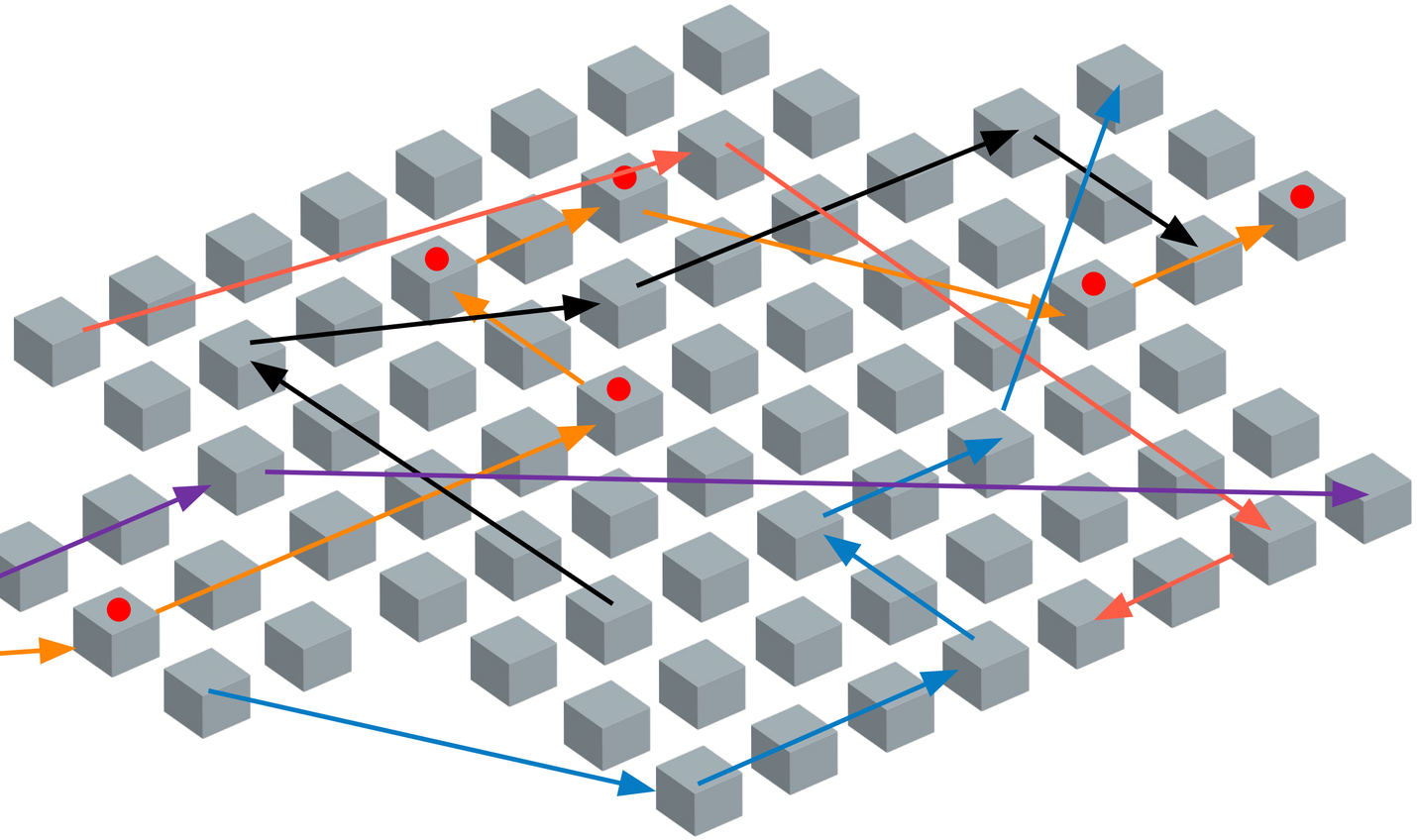
Install the Agent – and that's it…



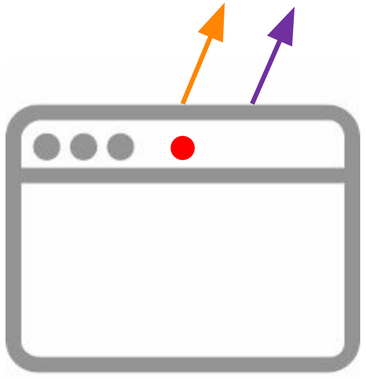
Automatic
No Plugins
No Configuration

Continuous real time discovery and monitoring of ALL components



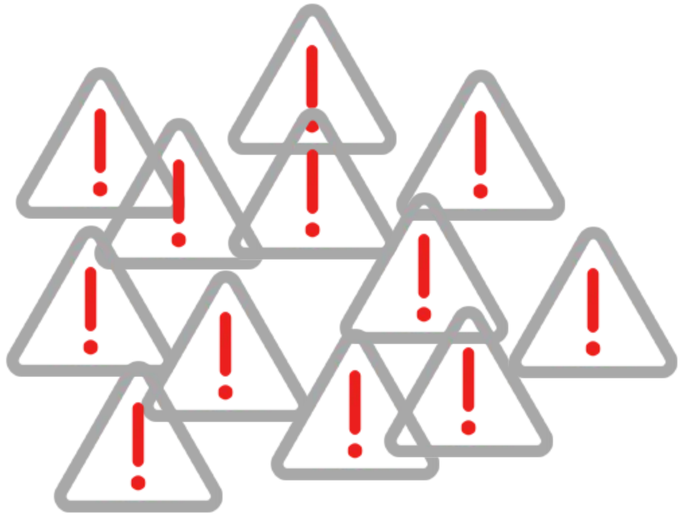


User Request



Instana Captures a *Trace* for EACH Request

Cut Through the Noise!



Get to THE Root Cause

Changes → Issues → Incidents

Better than Dashboards!

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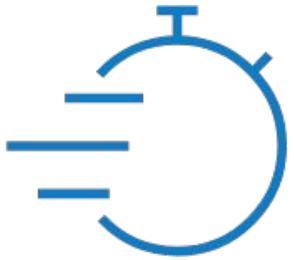
Capture Every Request

Filter to Find ANY Bottleneck

Optimize Everything



Drive Performance Optimization using Unbounded Analytics™

Change your perspective on digital operations

DEMO

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Thank You