SignalFx Infrastructure Monitoring
Real-Time Visibility, Insights, and Problem Detection for Modern Cloud Infrastructure and Applications

SignalFx Infrastructure Monitoring is the market-leading service for monitoring and Observability of modern cloud environments. Built on SignalFx's patented streaming analytics architecture, it provides the best-in-class solution for DevOps, SRE and Platform Teams to visualize and analyze relevant performance metrics across infrastructure, services and applications in a fraction of the time and with greater accuracy than traditional solutions.

![Image](image.png)

Navigate your infrastructure dynamically and slice and dice by the data that matters to you.

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<th>Key Benefits</th>
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<td>Better Customer Experience</td>
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<td>Higher Developer Productivity</td>
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<td>More Predictable Operations</td>
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<td>Greater Resource Efficiency</td>
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Architecture

Streaming Analytics
Unlike traditional systems that use a slow batch model to run analytics on metric time series, SignalFx applies analytics on metrics in flight using a streaming pub/sub bus. Visualize and alert in seconds.

High Cardinality MetaStore
Designed with an independent data store optimized for your human readable metadata, SignalFx treats all dimensions and tags the same. Search by any combination of dimensions is equally efficient and fast even with high cardinality metrics.
Key Capabilities

**Open, Flexible Data Collection**
Expedite time-to-value and avoid vendor lock-in with open source, lightweight agents and open standards-based instrumentation.

**SignalFx Smart Agent for Service Auto-Discovery**
Lightweight open-source based agent for Linux and Windows with automated discovery of services running on hosts and dynamic configuration of data collection plugins. Simple to set up for fast time to value. Visualize data at up to 1 second resolution.

**Service Integrations**
SignalFx supplies hundreds of ready to use integrations with popular OSS, cloud infrastructure and services. Integrations automatically pull standard metrics from services and feed them into pre-built dashboards for rapid visualization.

**Cloud API Integration with AWS, Azure, GCP, and PCF**
SignalFx ingests metrics and metadata with integrations into all of the popular cloud providers and their services (e.g., AWS, Azure, GCP, etc.) for fast time to value without the need to manage agents or plugins.

**Wrappers for Serverless Functions**
SignalFx monitors the most popular FaaS services (AWS Lambda, Azure Functions, Google Cloud Functions) with Function Wrappers that provide metrics on total invocations, errors, durations, etc. in seconds.

**Fully-Automated Kubernetes Monitoring**
Kubernetes Navigator is a turn-key solution that provides an intuitive way to understand and manage the performance of Kubernetes environments. AI-driven analytics automatically surfaces actionable recommendations to expedite triaging and troubleshooting. Seamless workflow integration with Splunk Enterprise/ Splunk Cloud eliminates context switching and accelerates root-cause analysis.

**Real-Time Visualization**
High resolution, easy-to-use dashboards and charts let you interact with all of your data in real-time.

**Instant Discovery and Visualization (Seconds)**
Insights into your dynamic environments (e.g., VMs, Kubernetes, containers, serverless functions) within seconds, instead of minutes or hours that legacy batch-based monitoring tools provide. See a live heatmap of your entire infrastructure in one unified view.

**Customizable Charts and Dashboards**
Whether with built-in or customized, visualize charts and dashboards that update in real-time with the metrics that matter most to you instead of waiting minutes if not hours with most batch querying monitoring tools.

**Data Links**
Carry the context of your chart into solutions like Splunk Enterprise for deeper insights, and eliminate context switching — shortening root cause analysis.

**Intelligent Problem Detection**
With built-in data science, SignalFx instantly and accurately alerts on dynamic thresholds, multiple conditions, and complex rules to dramatically reduce Mean-Time-To-Detect.

**Instant Alerting**
Alert on patterns and identify anomalies in seconds, instead of minutes as with legacy batch-based monitoring tools that can result in lengthy downtime or persistent performance issues.

**Adaptive Alert Conditions**
Point and click alert conditions with dynamic thresholds and automatic baselining that leverages data science instead of static thresholds for no-noise alerts. Preview these alerts to simulate and fine-tune.

“Productivity gains [with SignalFx] save us at least 138 hours per month, or close to that of a full-time employee... [we] estimate that the value of the time saved across teams at Acquia is roughly $1 million annually.”

Aaron Pacheco  Product Manager, Acquia
SignalFx Infrastructure Monitoring is available in three editions: Standard, Enterprise, and Custom Usage-Based. Pricing is by host with entitlements across containers, custom metrics, and high-resolution metrics. Multi-year pooled model and average counting on entitlements across hosts allow flexibility and predictability. Learn more:

signalfx.com/pricing/

Learn more about SignalFx Infrastructure Monitoring:

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**Alerts Creation Wizard**
Comprehensive library of data science-driven functions democratizes creation of composite metrics and customized alerts you need to monitor the health of your business.

**Advanced Analytics**
Leveraging programmable data science models and advanced statistics, SignalFx enables predictive analysis, high cardinality slice and dice, and rich analysis of business metrics, and automated issue resolution.

**High Cardinality Slice and Dice**
Filter, slice and dice, and drill down on data to conduct complex analytics across metric time series in parallel.

**Composite Metrics for Business KPIs**
Business and application owners can measure relevant KPIs and derive insights such as customer churn rate, success ratios, products sold per second, etc. from one single pane of glass across DevOps teams.

**Calendar Window Analytics**
SignalFx analytics functions can be calculated over true calendar intervals to provide even relevant business context to charts.

**Built for Enterprise DevOps**
Achieve DevOps agility without losing control over usage, access, and permissions.

**Programmable APIs**
Self-service with control for moving at DevOps speed. Control costs with capacity limited tokens for self-service development and ops teams. Enable access to dashboard detectors by certain users and/or teams.

**Service Bureau**
Monitor use and avoid overages with detailed usage reports. Create Mirrored Dashboards from standard templates with automatic propagation of changes to maintain consistency across the organization. Support multiple teams with access controls, capacity limits, and consolidated billing across the entire organization.

**Cloud Cost Optimizer**
Reduce CapEx with a comprehensive view of your entire cloud infrastructure costs and capacity to better optimize spend.

**Integration with CI/CD Tools**
Enable your DevOps teams to perform frequent code pushes with integrations into the CI/CD toolchain (Jenkins, Ansible, ZooKeeper, etc.).

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Aquia
Cloudreach
HubSpot
Yelp

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Get started with a free trial: www.signalfx.com/freetrial

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