signal fx

REAL-TIME INFRASTRUCTURE MONITORING AND ALERTS FOR CLOUD APPLICATIONS

SignalFx is a real-time infrastructure and application monitoring platform delivered as a service. Product teams use SignalFx to aggregate and interact with a breadth of streaming time series data across their entire stack. With custom data pipelines, real-time analytics that require no query language, and built-in dashboards, they can gain insight into how their applications operate, receive alerts only when they are actionable, and make better decisions for the business.

Analytics as a Service

SignalFlow™ is the analytics engine at the heart of SignalFx, processing time series data from any source in your architecture, applying advanced analytics, and streaming those metrics into real-time dynamic charts. SignalFlow's comprehensive library of mathematical functions—including sum, percentile, min and max, moving average, growth rate, and standard deviation— lets every user apply a custom analytics pipeline to data in order to create intuitive, self-service dashboards.

Every second counts when it comes monitoring the end-user experience. Unlike other monitoring tools that require some inherent latency to process and visualize data, SignalFx is unique in its ability to transform and aggregate metrics at both read- and write-time. This ensures the view you select, whether as the data is sent from your system or compiled downstream for additional analysis, is always ready without delay.

The platform requires no dedicated query language and supports multidimensional filtering and ad hoc exploration at any scale so that users across operations, infrastructure, and development can drill down into and get a custom view of any layer of the environment, all with full administrative oversight and security controls.

Only with SignalFx, you can:

- Monitor metrics with up to one-second resolution
- Analyze live data streams in dynamic charts and graphs
- Perform mathematical functions without complex code
- Explore and interact with data in an intuitive and powerful UI
- Filter and group data with flexibility as your needs change

Integration with All Your Data Sources

Using familiar open-source software as the standard point of intake, SignalFx offers pre-built dashboards for a broad and growing catalog of configured, production-ready plugins. By removing the limitations of a proprietary agent, integrations and data sources are not only more open, but also more aligned to your growth and needs as they evolve.

SignalFx integrates directly with Amazon's CloudWatch service to provide more value from the hosted environment with minimal burden or need for additional configuration. Pre-curated dashboards help users not only monitor their infrastructure with better speed to insight, but also make use of the native AWS metadata to get a custom view of their operations, according to the dimensions they care about.

Additional integrations ensure all your existing data pipelines—Graphite, AppDynamics, New Relic—connect metrics to monitoring without extra instrumentation. Similarly, SignalFx provides client libraries for custom Java, Ruby, Python, Go, and Node.js code, tools to collect metrics from Windows infrastructure and Docker containers, and support for an extensive REST API to execute additional streaming analytics jobs.

Only with SignalFx, you can:

- Correlate insights from the the infra to the app layer
- Use CloudWatch metrics and AWS metadata with other sources
- Visualize all your Docker containers and microservices
- Send custom metrics with client libraries or an API
- Collect data via a standard, non-proprietary daemon

Actionable Alerts
for Real Business Value

The real power of SignalFx is in the ability to alert on only the changes that are relevant to the overall health of your systems as they happen. Rather than sending a notification every time a static or arbitrary limit is reached, engineers can set dynamic thresholds for growth rates, variance, or time shift against historic data. Teams are notified of problems and severity on a just-in-time basis so they can prioritize corrective action that might actually affect SLAs.

With SignalFx, rules are defined to survive changes to the infrastructure. Where traditional monitoring tools required you to adjust thresholds as you scaled the environment up and down, SignalFx's dimension-driven model ensures alerts only need to be defined once and persist as systems change. SignalFx also delivers notifications with zero latency so you can send alerts via ChatOps without bogging down your existing communications channels, suffering through alert storms, or waiting for hours to take action.
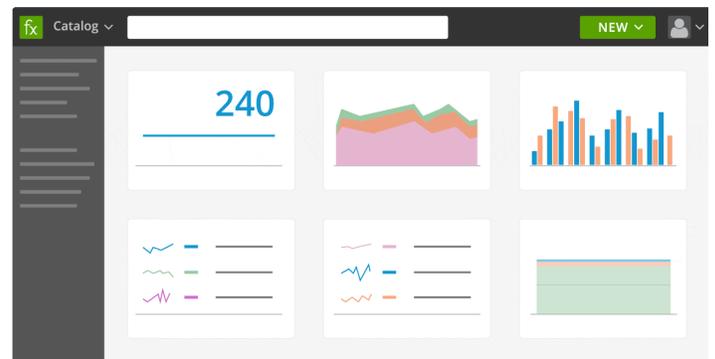
Only with SignalFx, you can:

- Define alerts with custom analytics functions
- Tailor alerts to specific service objectives
- Determine granularity and duration to minimize noise
- Track performance against historical benchmarks
- Get notified of anomalies as they happen

Relevant Insights at Cloud Scale

With no hardware to spin up, SignalFx monitoring-as-a-service reduces overhead and improves time to insight. Traditional approaches to monitoring typically required building new systems at considerable cost and with long-term demands on limited engineering resources. SignalFx eliminates the difficulty and inflexibility of an on-premises deployment by providing all the infrastructure and plumbing to process, store, and run analytics on data of any scale in the cloud.

Only with SignalFx, you can:

- Avoid painful on-prem deployment and maintenance
- Eliminate hardware overhead cost and depreciation
- Focus engineering resources on building better apps
- Ensure full administrative governance and security
- Scale elastically, without storage limitation or slowdown

About SignalFx

SignalFx is the most advanced monitoring solution for modern applications. Our mission is to help cloud-ready organizations drive high levels of availability in today's elastic, agile, distributed environments. With SignalFx, development and operations teams gain a real-time view of, interact with, and take action on the infrastructure and application metrics that matter. We have enterprise customers including Yelp, Zenefits, Zuora, and Hubspot and thousands of users analyzing billions of metrics every day. SignalFx was founded in 2013 by former Facebook and VMware executives, launched in 2015, and is backed by Andreessen Horowitz and Charles River Ventures.