jKool® Operational Intelligence

Find and Fix Problems Faster

jKool provides a quick and easy way to measure and analyze application performance in real-time in production, test and development environments. jKool ensures application performance even as you continuously deliver.

It is the most scalable unified solution for application analytics, transaction tracking and performance analysis. jKool turns streaming data, shared metrics logs and end user performance data from many sources across distributed systems, middleware and mainframes into operational intelligence.

jKool's actionable provides users with powerful analytics, forensics, elastic scale and transaction tracking broader and deeper than any of its competitors.

Data streamed to jKool is analyzed in real-time in order to spot patterns, trends, threats and misbehavior via a cloud-based, software as a service solution or on-premises.

jKool Benefits

jKool provides instant insight into your applications:

- Automatically aggregate and visualize application data and metrics

- Automatically track and trace Application transactions

An example of using jKool to analyze and visualize Java Garbage Collection (GC) behavior). GC collections are analyzed across multiple JVMs with automatically computed upper and lower bands (normal bands). Bands auto-adjust, dynamically based on the incoming GC frequency and duration.

jKool Operational Intelligence

- Subscribe to real-time visualization

- Real-time application analytics

jKool Features

Analyze and Aggregate Application data and Metrics

- Supports Log4j, SLF4J, Logback, Logstash, Syslog, Apache Flume, Kafka, Spark, JMS, JMX, Java EE, HDFS and more

- Add your own metrics via an open-source API

- Consolidates and summarize all logs and metrics

- Detects error rate over time and finds anomalies

Automatically Track and Trace Application Transactions

- Discovers causality for slow, failed or otherwise non-compliant transactions

- Finds problems in transaction flow and performance

- Automatic stitching together of transactions

Real-time Visualization

- Display streaming data in real-time, as it changes

- Visualize, trends, patterns and anomalies on a web-based, mobile-ready dashboard

- Provides application, transaction, server and geographic topologies

Why jKool

Extreme Scalability

- Built on NoSQL, STORM, Spark and Kafka for elastic scalability

- In-memory analytics using complex event processing

- Powered by jKool FatPipes™, a micro-services orchestration facility

Common Use Cases

- Catching hacks

- Analyze Garbage Collection behavior

- Investigate exceptions and many more

Ease-of-use

Talk with your data in English. jKool provides the business user with an English-like query language, jKQL (jKool Query Language) to interactively explore their data. There is a web-based, mobile-ready dashboard that is query driven and provides a variety of streaming operators to make analysis deep, fast and easy.

jKool's sophisticated charting includes multi-panel charts with candlesticks. This chart shares an X axis (time) across three panels showing concurrently: elapsed time, average gains and losses, volume and trends.

About

jKool provides open source technology and a cloud-based service to   provide real-time operational intelligence, visualization and analytics from streaming data for IT Ops and DevOps as well as applications in the Internet of Things (IoT), Retail, Finance and Digital Healthcare. Differentiating via ease-of-use and scale, jKool helps users visualize, analyze and detect trends, providing them with real-time insight into their data. For more information about the company, visit www.jkoolcloud.com.