



CENTERITY AND JMX TECHNOLOGY



KEY FEATURES

- In-depth monitoring of all critical metrics
- Real time data and historical graphs
- Dynamic critical and warning thresholds
- Monitoring components status and software performance



ADDED VALUE

- Easy configuration
- Increase performance and efficiency
- Business-Service outages

Overview

JMX technology provides the tools for building distributed, Web-based, modular and dynamic solutions for managing and monitoring devices, applications, and service-driven networks. By design, this standard is suitable for adapting legacy systems, implementing new management and monitoring solutions, and plugging into those of the future.

With JMX technology, many of Centerity’s out-of-the-box solution packs provide in-depth monitoring and performance analytics of applications and platforms like Hadoop, Kafka, JBOSS, Tomcat and more.

JMX Based Available Metrics Example List

KAFKA

- **Active Controller Count** - Checks Apache Active Controller Count.
- **Failed Produce Requests Per Sec** - Checks Apache Failed Produce Requests Per Sec.
- **Failed Fetch Requests Per Sec** - Checks Apache Failed Fetch Requests Per Sec.
- **Fetch Consumer Requests Per Sec** - Checks Apache Fetch Consumer Requests Per Sec in one-minute rate.

TOMCAT

- **Daemon Thread Count** – check daemon thread count.
- **Heap Memory Usage** – check heap memory usage.
- **Peak Thread Count** – check tomcat peak thread count.

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HADOOP

- **Namenodes balance** - Checks Balance of HDFS Space used pct across datanodes is within thresholds.
- **Datanodes Block Reports avg Time** - Check datanode block reports average time.
- **Jobtracker Blacklisted Reduces** - Check JobTracker number of blacklisted reduces.

JBOSS

- **Available Connections Count** - this metric shows the current available connections count for jca application server.
- **Collection Time** - this metric shows the collection delta between checks of garbage collector collection time.
- **DLQ Consumer Count** - the number of consumers on the queue.

About Centerity

Centerity (www.centerity.com HQ Newton MA) is a leading provider of all-in-one enterprise class IT and business service monitoring platform. While changing the rules of monitoring, Centerity enables IT organizations in various market segments to simplify all aspects of network management and information flow, and enhance business performance.

Centerity Monitor provides accurate measurements, drill down root cause analysis, real time statistics, live network maps graphs and other advanced features. Centerity Monitor' End-User Experience and Business Service Management allow for high level presentation of business processes and the delivery of high quality services to end users.

