FUSE HQ™

Management and Monitoring of Open Source SOA Infrastructure

As one's service-oriented architecture (SOA) grows, so do the number of distributed systems that need to be managed and monitored.

FUSE HQ is a SOA management and monitoring system based on Hyperic HQ Enterprise and is available as a part of any IONA FUSE support subscription. It is integrated with the FUSE product family for real-time administration and control of FUSE SOA infrastructure.

FUSE HQ takes advantage of the JMX-based reporting capabilities of the FUSE products and delivers advanced capabilities to administrators enabling them to

- **Simplify Administration**—Powerful dashboards visually display real-time and historical metrics on FUSE systems and send control operations to individual systems
- **Reduce Down Time**—Sophisticated analytics and intelligent alert system recognizes symptoms and proactively identifies problems before they occur
- **Improve Overall System Health**—Auto-discover servers and configurations and display relationships between FUSE servers for quick and accurate assessments

FUSE: A Family of Open Source SOA Components

FUSE HQ is one of a family of components based on Apache projects that includes FUSE ESB, FUSE Message Broker, FUSE Services Framework, and FUSE Mediation Router. The FUSE components are tested for interoperability, certified, and supported to combine the speed and innovation of open source software with the reliability and expertise of commercially provided enterprise services.

About IONA Technologies, Inc.

IONA's commitment to open source software is part of its 15-year heritage of solving the most complex integration problems by applying open, standards-based solutions. An industry leader in integration and SOA, IONA has the proven expertise to design a highly flexible, distributed SOA infrastructure for Global 2000 customers including Raymond James & Associates, Nokia, Zurich Insurance, Ericsson and Credit Suisse using standardized components.

Key Features

- **Auto-Discovery**
  Continuous and accurate inventory and state of hardware, software and services without invasive instrumentation
- **Dashboards**
  Model and view relationships, metrics, charts, service-level activities and alerts, as well as performance data from both the host and the guest perspectives
- **Intelligent Alerts**
  Define alerts, acknowledgments and responses to anticipate problems
- **Tracking and Analysis**
  Metrics baselining automatically flags deviations from normal performance
- **System Control**
  Execute control operations directly from FUSE HQ to stabilize environments

Manage and Monitor Open Source SOA:

FUSE HQ

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Making Software Work Together™

FUSE HQ Features and Benefits

Monitor Systems—Comprehensive cross-stack dashboard make it easy to check the health of systems and services

- Role-based access controls for managing user visibility
- Visually review relationships between FUSE servers and other managed resources
- Explore and generate reports of real-time and historic logs, configurations, and events
- Impact analysis and change control based on configuration tracking
- Collect, chart and view real-time and historic metrics from hardware, network and applications without invasive instrumentation
- Auto-discover hardware and software attributes including configuration, version numbers, memory, CPU disk and network devices
- Distributed monitoring allows for linear scalability of FUSE HQ server

Manage Systems—Execute control operations to manage the FUSE environment

- Role-based access controls for managing user permissions
- External authentication leverages existing LDAP or Kerberos directories
- Automate maintenance activities with scheduled controls and conditional responses to alerts
- High availability allows multiple FUSE HQ servers to assume workloads in the event of a server failure

Intelligent Alerts—Definable alerts proactively identify problems before they occur

- Follow-the-sun assignments routs alerts to the appropriate person based on the time of day and users' scheduled availability
- Integrate traps with existing IT operations suite
- Define alerts once and apply to large, global resource groups
- Alerts can be multiconditional, role-based and group based, and trigger recovery processes
- Generate alerts on changes in configuration or key attributes of any managed resource

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