FioranoMQ®
High Performance Enterprise Communication Backbone

FioranoMQ is the industry’s most scalable, secure, and fastest Java Messaging Server delivering a new breed of high-performance, reliable, low latency solution for demanding enterprise applications. Fiorano's enterprise backbone seamlessly integrates heterogeneous IT systems improving operational efficiency, business agility and performance. With comprehensive support for standards-based communication, connectivity and transformation, FioranoMQ minimizes proprietary dependencies while providing a powerful communication backbone that can be extended easily, allowing real-time delivery of data spanning multiple applications and platforms. Fiorano is the messaging middleware of choice supporting mission-critical operations at Global Leaders worldwide.

COMPREHENSIVE SUPPORT FOR STANDARDS

FioranoMQ supports multiple standards including JMS 1.1, J2EE 1.4, JTA XA Resource API, XML Message Exchange, SOAP, HTTP, HTTPS, SSL, and TCP/IP. Security standards include SSL, TLS, JCE, LDAP and PKCS.
FioranoMQ’s highly configurable, comprehensive authentication and authorization, coupled with superior encryption provides a resilient security shield for enterprise grade messaging applications.

Authentication & Authorization
FioranoMQ provides Java 2 Security API’s for authentication and authorization of users in the MQ domain, with plug-in support for various external systems including LDAP, NT/UNIX realms and databases. Administrators can easily control privileges of authenticated users using configurable ACLs.

Transport Security
FioranoMQ supports up to 256-bit message encryption and plug-in SSL connections for both TCP as well as HTTP[s] connections. JMS applications can securely use any available transports (including SOCKS/ HTTP proxy tunneling across corporate firewalls) without any additional programming effort.

Data Security
FioranoMQ allows messages to be encrypted while in transit with flexibility in specifying the key for message encryption. This feature provides the next level of security for business messaging applications across the extended enterprise.

GLOBAL MANAGEABILITY
FioranoMQ’s standards-based JMX-compliant management support provides a comprehensive framework for managing and monitoring FioranoMQ deployments, lowering overall costs associated with supporting the entire enterprise infrastructure.

Monitoring
FioranoMQ provides API’s and visual tools for real time activity monitoring and reporting without a trade-off in the functionality or speed. FioranoMQ also provides support for registering message listeners for internal system events, ensuring applications have advanced warning for problems before they cause major system downtime.

Management
FioranoMQ JMX-compliant management API’s provide extensive support for dynamic configuration, deployment and management of networks and destinations. A comprehensive administration tool facilitates creation and querying of administered objects from any remote administration node.

Auditing
FioranoMQ’s advanced logging capabilities provide API’s for auditing past logs and events. Support for dynamically changing the trace levels for various internal modules reduces the time required to detect, diagnose and respond to problems easing system management and increasing availability.
FioranoMQ BUSINESS BENEFITS

FioranoMQ is an enterprise-class messaging platform for mission critical communication across the extended enterprise. Being standards based, it dramatically reduces the implementation time and lowers deployment costs of projects while enabling effective integration of existing IT assets, and maximizing returns on investments.

Bringing it All Together
Over the years, most businesses have accumulated a host of proprietary applications to address different business needs. In addition, as market consolidation continues, more and more businesses need to merge their existing systems with acquired ones. With support for multiple languages (including Java, C, C++, and C#), FioranoMQ seamlessly interoperates with these heterogeneous systems, empowering businesses with speedy access to integrated information. Architects can implement FioranoMQ as an "easy-fit" solution into complex architectural designs and developers can work with standards-based APIs for communication and connectivity.

Lowest Cost for High-Performance Environments
Businesses with high-performance messaging requirements will minimize both hardware and software costs with FioranoMQ. Being the fastest, lowest latency JMS server in the industry, FioranoMQ lowers hardware investments required for achieving a given volume of messages per second in comparison with competing products.

Mission-Critical Data Availability
In today’s environment, continuous availability of data is a critical business requirement. FioranoMQ’s advanced features go beyond just ensuring that you never lose data; they ensure 24x7 real-time access to your data despite software and hardware failures. This makes FioranoMQ the solution of choice particularly for applications where continuous access to data is a mission-critical requirement.

Faster Time-to-Market
Businesses need to respond dynamically to market changes. With FioranoMQ, data and applications can be easily separated or moved to different locations based on changing business requirements. Remote management, dynamic reconfiguration and minimal coding requirements dramatically compress time to market solutions with FioranoMQ.

Flexible Enterprise-Wide Scaling
As scalability requirements grow, flexibility in core architecture is a key differentiator. As part of the Fiorano SOA platform suite, FioranoMQ provides the foundation for Fiorano’s Enterprise Service Bus (ESB) architecture, allowing enterprises to move away from ad-hoc, project-driven integration (involving expensive point-to-point solutions) towards enterprise-driven integration. This enables reuse and allows companies to extract more value from existing hardware and software investments and to build new applications that can immediately communicate with existing systems.
WHAT CUSTOMERS ARE SAYING...

“Customers are committing money in real-time, so we needed high levels of reliability. Rapid movement in stock prices means that even miniscule delays are significant. We did not want to compromise on speed and scalability. FioranoMQ® has performed exceptionally well for us and has helped us compete confidently in this market.”

Jeff Polsgrove,
CTO, Scottrade

FioranoMQ® has been a critical component of our global, multi-site architecture for over two years. JMS standards compliance allows us to retain flexibility in JMS product selection, while the performance and value-added features of FioranoMQ®, plus the personalized service offered by the Fiorano team, have kept us loyal to them.”

Brad Worsham,
CTO, BIT Systems, Inc

“We are very pleased with FioranoMQ and are committed to it. We look forward to working with such a progressive and innovative company as Fiorano”

Arturo Altamirano,
Schlumberger America

As information technologies become more pervasive across campus and their complexity and rate of change increases, the need for campus wide technology standards and reference architectures that are aligned with campus strategic goals also becomes a growing priority. FioranoMQ was the best fit here as it is easy to maintain over a long period of time with guaranteed ROI and a lower Total Cost of Ownership

Jeff McCullough,
IST, University of California, Berkeley

For further information on how FioranoMQ can help your enterprise messaging challenges and to download your FREE Evaluation edition, Please visit www.fiorano.com/downloads

ABOUT FIORANO SOFTWARE

Founded in 1995, Silicon Valley based Fiorano is a USA (California) Corporation, a trusted provider of Digital Business Backplane and enterprise integration middleware, high performance messaging and peer-to-peer distributed systems. Fiorano powers real time, digital enterprises with bimodal integration and API Management strategy that leverages the best of systematic (centralized, high-control) and adaptive (federated, high-speed) approaches to deliver solutions across cloud, on-premise and hybrid environments.

Fiorano operates through its worldwide offices and a global network of technology partners and value-added resellers.

Global leaders including AT&T Wireless, Boeing, British Telecom, Federal Bank, L’Oréal, McKesson, NASA, POSCO, Rabobank, Royal Bank of Scotland, Schlumberger, US Coast Guard and Vodafone have deployed Fiorano to drive innovation through open, standards-based, event-driven real-time solutions yielding unprecedented productivity.

To find out more about how Fiorano can help you meet your enterprise integration objectives, visit www.fiorano.com or e-mail sales@fiorano.com

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