Informatica Ultra Messaging Queuing Edition

Create an Enterprise Messaging Architecture with Efficient, Resilient, Low-Latency Message Queuing

Your messaging system must accommodate a wide range of business and application requirements across the front, middle, and back office—and it needs to deliver robust, scalable high performance, even on commodity hardware.

The Enterprise Standard for Efficient, High-Performance Message Queuing and Automatic Load Balancing

Informatica® Ultra Messaging® Queuing Edition is the enterprise messaging standard. This edition combines intelligent, robust high-performance message queuing and automatic load balancing with guaranteed and reliable messaging. It enables accurate and ordered processing via once-and-only-once message delivery. This edition adds a JMS API to the well-known performance and high availability of Informatica Ultra Messaging. This edition includes:

- Flexible, reliable, once-and-only-once message delivery
- High-performance load balancing
- Intelligent indexed queuing
- Robust, easy-to-use configuration and tuning tools

Lower Costs While Improving System Performance and Resiliency

Informatica Ultra Messaging Queuing Edition simplifies your IT infrastructure for more efficient management, connecting your messaging applications to your JMS applications, such as data transformation or data warehousing, without daemons or brokers. It’s designed for easy scalability to enable your IT team to add new receiver applications quickly and simply and has built-in workload management that optimizes server usage. And with its smaller server footprint, Informatica Ultra Messaging Queuing Edition reduces management expenses, cuts hardware and energy costs, minimizes single points of failure, and streamlines disaster recovery planning all while leaving more headroom for high performance on both commodity and high-end hardware.

BENEFITS

- Standardize on one enterprise-wide message queuing technology
- Dramatically improve message queuing and delivery system performance and resilience
- Reduce IT infrastructure costs
Flexible, Once-and-Only-Once Message Queuing and Delivery

Informatica Ultra Messaging Queuing Edition provides guaranteed once-and-only-once message queuing and delivery over any network, including 1GigE, 10GigE, and Infiniband, with latency measured in as little as nanoseconds. It uses open APIs for JMS, C, .NET, and Java to enable very high throughput of more than 7 million messages per second from a single sender.

Like the Informatica Ultra Messaging Streaming and Persistence Editions, the Queuing Edition supports a wide variety of protocols, including TCP/IP, latency-bounded TCP, reliable unicast and multicast, accelerated UDP multicast (kernel bypass), RDMA, and IPC.

Low Latency Load Balancing

Informatica Ultra Messaging Queuing Edition works in ultra-load balancing mode to send messages intelligently to the most available receiver. It provides efficient low latency load balancing with no need for a central message queuing process. Consuming applications simply send acknowledgments that they’re ready to receive messages.

Intelligent Indexed Queuing

Informatica Ultra Messaging Queuing Edition identifies logically related messages and sends them to the same specific receivers for processing—for example, sending a trade order, then automatically routing a cancel for that order to the same gateway.

Automatic Failover and 24x7 Reliability

Informatica Ultra Messaging Queuing Edition supports zero latency failover via an innovative hot/hot failover design that provides additional resiliency through multiple redundant queues. You enjoy 100 percent guaranteed uptime on commodity hardware solutions, with no need to send a message to multiple queues as a substitute for actual failover capability.

With its smaller server footprint, Informatica Ultra Messaging Queuing Edition reduces management expenses, cuts hardware and energy costs, minimizes single points of failure, and streamlines disaster recovery planning all while leaving more headroom for high performance on both commodity and high-end hardware.

Informatica Ultra Messaging Queuing Edition provides application sets to reduce resource consumption by eliminating duplication across queues, yet still ensures that a message is delivered once-and-only-once to each receiving application.
Robust, Flexible Configuration
Informatica Ultra Messaging Queuing Edition supports flexible topic design, publish/subscribe, request/reply, symmetrical data flow, wildcard receivers, and late join, allowing you to choose precisely how to manage messaging. Automatic topic resolution, multilayer group addressing, and flexible delivery ordering ensure delivery of the right data to the right place at the right time.

Easy-to-Use Message Queuing Tuning Tools
Informatica Ultra Messaging Queuing Edition protects against unexpected network bandwidth demands with adjustable rate controls. It uses intelligent delivery to prevent a slow receiver from slowing down the sending application. In addition, this edition includes detailed monitoring and traffic statistics as well as out-of-the-box SNMP integration.

Broad Connectivity
Informatica Ultra Messaging Queuing Edition accommodates a wide range of business and application requirements, allowing standardization across the front, middle, and back office. It provides a powerful gateway for easy and secure connections to different network domains. It also supports a variety of operating systems: 32- and 64-bit Microsoft Windows, 64-bit Linux, and 64-bit AIX, HP-UX, and Solaris versions of UNIX.

“[Informatica Ultra Messaging] has been 100-percent reliable since we launched. And we’ve been running on it for four years now.”
– Edwin Marcial, CIO, InterContinental Exchange
Key Benefits

Standardize on One Enterprise-Wide Message Queuing Technology
Informatica Ultra Messaging Queuing Edition provides the broad connectivity and powerful message management features needed to integrate with applications across the enterprise, from front office to back. It replaces multiple disparate messaging systems with a single high-performance, low latency technology that ensures up-to-date information reaches its intended destination accurately and dependably in near real time.

Dramatically Improve Message Queuing and Delivery System Performance and Resilience
Informatica Ultra Messaging Queuing Edition is designed to deliver the most messages per second per rack unit with minimal impact on network performance. Built for redundancy and high speed, it guarantees messages go out in the proper order in a timely fashion, even when it needs to handle millions of individual messages simultaneously.

Reduce IT Infrastructure Costs
Informatica Ultra Queuing Edition is highly efficient. It delivers superior performance with less hardware, reducing the costs of purchasing, powering, cooling, and maintaining equipment. More efficient use of resources also means less waste; you preserve server space and network bandwidth for your company’s future growth. In addition, standardizing on a single messaging technology across the enterprise, both front and back office, creates further cost savings by simplifying and streamlining systems maintenance.

ABOUT INFORMATICA
Informatica Corporation (NASDAQ: INFA) is the world’s number one independent provider of data integration software. Organizations around the world rely on Informatica for maximizing return on data to drive their top business imperatives. Worldwide, over 4,630 enterprises depend on Informatica to fully leverage their information assets residing on-premise, in the Cloud and across social networks.