Informatica Ultra Messaging Persistence Edition

**Deliver Reliable, High-Throughput, Ultra-Low Latency Guaranteed Messaging**

Your company faces big challenges when it comes to its electronic trading applications: speed, throughput, scalability, and cost. Being fast isn’t good enough; you need to be faster than the competition or you don’t win the trade. And the cost of buying and maintaining guaranteed messaging hardware, especially for failover, eats away at incremental revenue from deploying new applications.

**High-Performance, Low Latency, Guaranteed Messaging over Any Network**

Informatica® Ultra Messaging® Persistence Edition is high-performance guaranteed messaging software. This direct peer-to-peer guaranteed messaging middleware is built on Informatica’s revolutionary parallel persistence architecture for unsurpassed resilience and performance. This edition extends the same resilient, direct, peer-to-peer design of Informatica Ultra Messaging Streaming Edition to include parallel persistence data stores to provide guaranteed messaging. Recovery of failed processes takes place outside of the message path to ensure uninterrupted service. This edition provides:

- Flexibility to choose from a wide variety of protocols, networks, APIs, operating systems, and messaging semantics for your applications
- 24x7 reliability and zero latency hot/hot failover
- High-performance guaranteed messaging with no persistence penalty, even during hot/hot failover, all on commodity hardware
- Near-linear scalability
- High efficiency for lower resource usage and lower fixed and recurring operational costs

**Improve Performance, Reliability, Cost Savings with Low Latency Guaranteed Messaging**

Informatica Ultra Messaging Persistence Edition delivers better performance than broker- and daemon-based solutions with less hardware. You enjoy stable, resilient messaging as well as the significant savings of a smaller hardware footprint, more efficient server utilization, reduced energy costs, and easier maintenance. And with 24x7 availability and hot/hot failover, Informatica Ultra Messaging Persistence Edition is always available.
Advanced Parallel Persistence Architecture for Guaranteed Messaging

Informatica Ultra Messaging Persistence Edition provides guaranteed messaging without the downsides of a central messaging broker and requires no SAN or HA hardware for failover. Even during receiver failover or late join, performance is unaffected across the system because parallel persistence removes the persistence functionality from the streaming path.

Flexible Messaging

Informatica Ultra Messaging Persistence Edition is the most flexible guaranteed messaging middleware software available today. Use publish/subscribe or request/response, through C/C++, .NET, or Java APIs, on any common network, including 1GigE, 10GigE, and Infiniband, over any major protocol, including TCP/IP, reliable unicast and multicast, IPC, accelerated multicast (with kernel bypass), RDMA, and latency-bounded TCP.

This edition supports the most popular operating systems (32- and 64-bit Microsoft Windows, 64-bit Linux, and 64-bit AIX, HP-UX, and Solaris). Its configuration options allow late join, failover, and many other features.

“The flexibility to use TCP and reliable multicast, with the option of streaming and persistence in different portions of the overall exchange architecture, is ideal.”
– John Ryan, Chief Architect
Direct Edge

Informatica Ultra Messaging Persistence Edition features an advanced parallel persistence architecture that ensures streaming performance with persistence and zero latency hot/hot failover, even on commodity hardware.
Automatic Failover and 24x7 Reliability
Informatica Ultra Messaging Persistence Edition provides zero-latency failover via an innovative hot/hot failover design for additional resiliency. You enjoy 100-percent guaranteed uptime even on commodity hardware solutions. No expensive, proprietary hardware is necessary.

High Performance with Near-Linear Scalability
Informatica Ultra Messaging Persistence Edition delivers very high levels of performance, whether you require ultra-low latency or high throughput or anything in between. For capital markets’ trading platforms, end-to-end latency measured in nanoseconds is possible. For applications where throughput is more important, millions of messages per second is attainable. In addition, the near-linear scalability of Ultra Messaging removes barriers to growth of the line of business with faster and simpler application deployment, and it provides a more stable, robust, and satisfying end-user experience.

“[Informatica Ultra Messaging Persistence Edition is] a marked reduction in the server footprint we need to support our messaging backbone.”
– John Kerin, Chief Technology Officer
Chicago Stock Exchange

A management console provides centralized management of configuration options for applications across the entire messaging bus, including rules for user access to topics and applications.
Key Benefits

Free Developers to Focus on Core Competency
Informatica Ultra Messaging Persistence Edition frees your developers to focus on their core competency: trading and other applications that require the fastest possible delivery of real-time data. This edition empowers your developers to create real value by solving business problems rather than maintaining legacy or home-grown messaging middleware systems. Your developers can build faster, more scalable, more competitive applications that achieve faster time to market, more rapid return on investment, and greater user satisfaction.

Improve Guaranteed Messaging Middleware Performance, Resilience, and Stability
Informatica Ultra Messaging Persistence Edition is built for performance, resilience, and stability. The ultra-efficient, peer-to-peer design boosts application throughput and reduces the IT server footprint, improving availability and scalability and reducing maintenance and resource drain. Deploying a new application is as simple as adding a server and regrading the workload. Parallel persistence technology and multiple failover options ensure that your messaging system continues to operate under even the most stressful conditions.

Dramatically Reduce IT Infrastructure Costs
Informatica Ultra Messaging Persistence Edition is highly efficient. It delivers superior performance with less hardware, reducing the costs of purchasing, powering, cooling, and maintaining equipment. The resulting cost savings are significant: one customer improved performance more than fivefold while simultaneously slashing its messaging hardware needs by 50 percent. More efficient use of resources also means more server capacity and network bandwidth headroom for your company's future growth. In the long term, it allows your IT organization to defer hardware and network upgrades prompted by capacity limits. The bottom line is big savings—lower resource usage and lower fixed and recurring operational costs.