

Ultra Messaging® Queuing Edition

Robust, High-Performance, Highly Available Once-and-Only-Once Delivery

BENEFITS

- Indexed Queuing to send logically-connected messages to the same receiver
- Load Balancing for intelligent application workload management
- Redundant queues and robust failover with no HA or SAN hardware required
- Coupled and de-coupled configurations
- Scalability – deploy new applications/servers without worry
- Cost Reduction – reduce server footprint, save energy costs
- Agility – grow your business quicker with better IT agility

With JMS API, Standardize on One Messaging Technology Across the Enterprise

Ultra Messaging Queuing Edition (UMQ) combines reliable queuing and robust hot/hot failover with innovative features like Indexed Queuing and Application Sets, and delivers great performance, all on commodity hardware. Leverage the performance and high availability of Ultra Messaging to standardize on one messaging technology across the enterprise.

By offering a wide range of choices to accommodate a wide range of business and application requirements, Ultra Messaging Queuing Edition enables robust high-performance across all messaging use cases, and therefore, standardization across the front, middle, and back office.

Use the JMS API to connect your messaging applications to your JMS applications, such as B2B, Data Transformation, or Data Warehousing.

Simplify your applications with Application Sets, removing both the need to change code when adding new receiver applications, and the need to send a single message to multiple queues as a substitute for actual failover capability.

Another way to simplify your applications is to automatically send related messages to the same receiver with Indexed Queuing. For example, send a trade order and then automatically route a subsequent cancel for that order to the same gateway.

Use Load Balancing to automatically balance your application workloads across servers, including the capability for a consuming application to send acknowledgements that it is ready for work.

To accommodate a wide variety of scalability and resilience requirements, UMQ provides these features in both coupled and de-coupled configurations.

For robust failover, use a group of redundant queues in a quorum-consensus failover configuration.

Increase your business and IT agility with the near-linear scalability and throughput of Ultra Messaging, the engine that drives Queuing Edition. To deploy a new application in production, just add a server and “re-grade the load” with little concern for affecting the performance of existing applications.

Ultra Messaging Queuing Edition Key Features

Once-and-Only-Once Delivery, Performance, Scalability, Availability – with Less Hardware

- JMS API – connect your JMS apps with your messaging apps
- Load Balancing – easily balance applications across servers (aka “workload management”)
- Indexed Queuing – send logically connected messages, such as a trade order and then a subsequent cancel, to the same receiver
- Application Sets – dynamically add new receiver applications without changing source applications
- Ultra-Efficient Daemon-less / Broker-less Design – delivers excellent performance even on commodity hardware, with the headroom to perform even better on high-end hardware
- Smaller Server Footprint – less hardware means less expense and IT headaches, fewer single points of failure across the enterprise, and simpler disaster recovery planning
- Near-linear Scalability – add applications and servers without worry about stability or performance
- True 24x7 Availability and Hot/Hot Failover – very robust and stable, with no single points of failure, Ultra Messaging is always available when your applications are available
- Leverage Technology Upgrades – efficiency means instant benefits from high-performance and multi-core processors, 10GigE, InfiniBand, Non-Uniform Memory Architectures, etc.
- Wide Range of Network Transport Protocols – IPC, RDMA, Accelerated Multicast with kernel bypass, Reliable Multicast, Reliable Unicast, TCP
- Efficient Message Filtering and Sequencing – stabilizes your network and reduces network bandwidth and “jitter”
- Includes Ultra Messaging Gateway – send across the WAN and across the world

Additional Options

- UMDS – managed TCP fan-out to the desktop
- UMCache – archive/replay, compliance and go-live testing, etc.
- UMM – management console for centralized control of applications
- UMWeb – scalable streaming messages to diverse mobile devices and browsers
- SNMP Agent – network monitoring

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