

# Universal Messaging

**Simple. Scalable. Real-time messaging.**

Universal Messaging provides fast, guaranteed message delivery across all mainstream enterprise, Web and mobile platforms. Universal Messaging is the streaming solution of choice for financial markets where it has been benchmarked as the fastest universal messaging product on the market today.

Use the market-leading universal messaging platform for real-time streaming across enterprise, Web and mobile. Universal Messaging offers the first realistic alternative to the costly and cumbersome multi-product messaging architecture espoused by today's leading enterprise software vendors.

## Key Benefits

### Simplicity

The Universal Messaging platform eliminates the complexity and latency incurred by bridging multiple messaging systems. Multiple delivery channels and associated technologies are handled with a common foundation to move data quickly to anywhere you need it.

### Performance

Universal Messaging is the fastest unified messaging product on the market, providing unsurpassed connectivity, high performance and low-latency delivery.

### Flexibility

Count on no-compromise access to data via cross-compatible messages and through multiple delivery channels, supporting a market leading range of devices and platforms.

## Features

### Scalability

Scale applications as new delivery channels emerge and respond to the demands of new devices or protocols. Scale with any increase in user numbers or data volumes.

### Multiple language APIs

Get full interoperability between client APIs of your choice across enterprise, Web and mobile.

### Security

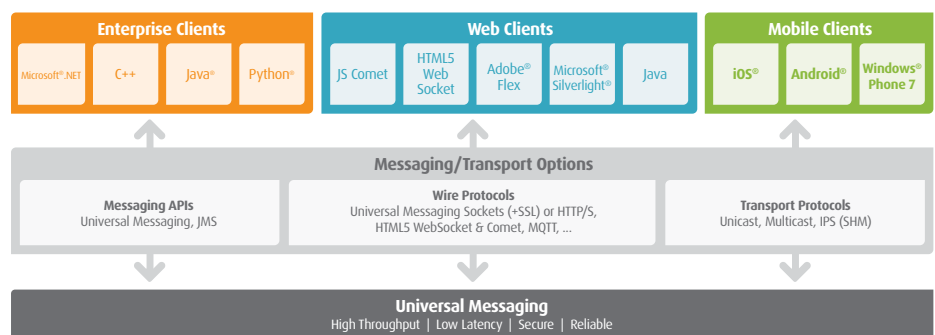
Communicate with a secure transactional system that includes encryption, pluggable authentication, and entitlements services that are battle hardened through powering the world's largest e-commerce trading systems for more than a decade.

### High availability

Guarantee message delivery using transactional semantics and persistence, and deliver unsurpassed levels of availability with Universal Messaging's unique active/active clustering for distributed servers.

### Multiple messaging paradigms

Choose the market-leading choice of messaging standards, wire protocols and transport options from a single solution.



### Why Universal Messaging?

- A single solution for high-performance, low-latency messaging across a wide array of delivery channels, including all mainstream enterprise, Web and mobile platforms

### Enterprise

- Delivering high-throughput, low-latency messaging for resilient, secure and highly scalable applications

### Web and Mobile

- Designed from the ground up to provide real-time streaming to the edge of corporate networks and beyond
- Support for all of today's common Web and mobile platforms

### Financial Market Highlights

- Streaming solution of choice for leading financial institutions
- Powers half of the Top 8 market-leading FX e-platforms
- Market-leading last-mile messaging solution for single-dealer platforms
- Powering leading trading systems for more than 10 years in all market conditions

## Customer Spotlight

### Deutsche Bank

Universal Messaging powers Deutsche Bank's market-leading Autobahn platform for Internet and mobile-enabled FX and fixed-income trading. The global client community consists of banks, hedge funds, currency trading advisors, FX intermediaries, exchanges, investment managers and corporations.

### UBS

UBS deploys its award-winning FX Internet trading platform globally using Universal Messaging. Its global client base includes banks, corporates, hedge funds, asset managers and private clients.

### Credit Suisse

Credit Suisse uses Universal Messaging as the messaging provider for several trading applications across its FX and fixed-incomes business areas.

### Eurobank

Eurobank, the largest bank in Greece, deploys Universal Messaging to streamline credit control operations. The solution accepts and processes all of Eurobank's loan and credit card applications in real-time, and provides transparent integration with Greece's credit control agency.

### JPMorgan Chase & Co.

JPMorgan Chase uses Universal Messaging for a variety of applications within its investment banking areas. Universal Messaging is deployed globally to deliver high-speed data across a collection of Universal Messaging clusters.

### Copart

Copart use Universal Messaging to power its state-of-the-art vehicle auction service that supports massive numbers of concurrently connected auction participants over Web and mobile platforms.

### TopSpin Networks

TopSpin Networks uses Universal Messaging to power its innovative SnapCall Sports mobile gaming platform. The game allows thousands of users to participate in real-time in-game handicapping collaboratively with all other users of the platform.

### Tullett Prebon

Tullett Prebon deploys Universal Messaging to provide pricing screens and instant messaging to its global user base. External customers are supported using Web-based APIs while internal users are supported using native desktop applications.



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