

EXCEPTIONAL PERFORMANCE, COST-EFFECTIVE, EASY OPERATION

X-stream can sustain an order rate of **over 25 thousand orders/second with sub-200 microseconds latency** with the right network infrastructure. Built on a low cost Linux platform and run on low cost commodity hardware, X-stream is highly cost efficient to test, deploy, maintain and upgrade. In addition, the learning curve is easy, enabling marketplaces to become operational with minimal effort and cost.

ROBUST FAULT TOLERANCE AND DISASTER RECOVERY

Designed to have no single point of failure, X-stream provides a resilient and robust system through the use of fault tolerant processing with hot-standby capabilities for zero transaction loss during failover.

STANDARDIZED ACCESS

Purpose built FIX package for marketplaces that promotes efficient connectivity, interoperability and automation. Marketplaces that support HFT can connect via standard-setting ITCH market data protocol and OUCH order entry protocol. The X-stream client API currently in use at 10 ISVs, is also offered, and can provide tailor-made integration with clearing and settlement systems, market data vendors and other marketplace systems, to preserve the current infrastructure investment.

FUNCTIONAL HIGHLIGHTS

All editions of X-stream offer the following functional highlights:

- > Comprehensive market model support
- > Wide-ranging order type support
- > Market maker support
- > Market data management
- > Risk management
- > Market control and supervision

TECHNICAL PLATFORM

- > Intel x86, 64 bit processors
- > O/S: Linux & UNIX (including but not limited to Solaris, HP-UX),
- > Database; IBM Informix RDBMS

MINIMAL TECHNICAL REQUIREMENTS

- > 3.0 GHz Dual Core Xeon processors with Linux OS
- > 8GB RAM
- > 2 x 160GB disk
- > 2 x Gigabit network controllers

DEDICATED PARTNER

For nearly 40 years, NASDAQ OMX has been a leader in creating electronic technology solutions for the exchange industry. We have a long history of partnering with marketplaces worldwide to provide the strategic guidance, technology tools and ongoing support to help them meet their goals. With X-stream, in addition to gaining an exceptional technology platform, marketplaces benefit from the unwavering commitment and dedicated support of the world's largest exchange company.

More Information

For more information, visit www.nasdaqomx.com/whatwedo/markettechnology.