



## + Case Study **Exchange Connectivity**

*Laurion Capital Management LP is a hedge fund located in New York City which actively trades FX, Futures and Equities.*

### Situation

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As Laurion increased their trading activity, they found that the third party solution they were using could not keep up with low latency and high throughput demands of their strategies. Through analysis they found that their strategies did not need most the functionality the highly generalized third party solution offered. Finding themselves in this situation they were faced with the classic *build or buy* decision.

In their search for a replacement solution, they discovered Connamara Systems and its **Made-To-Measure** approach in delivering solutions with just the right balance between *build or buy*. Providing them exactly what they needed. No more. No less.

### Solution

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Connamara business analysts and engineers worked with Laurion engineers to understand the requirements and proposed a **Made-To-Measure** solution from components of the Connamara Trading Stack.

Since most of the actual trading logic was held in the Laurion proprietary applications, the requirements were quite simple.

- + Allow multiple Laurion applications to route orders to multiple counter parties
- + Keep track of the order state for the orders
- + Persist the orders state and history
- + Keep track of all executions generated by the orders
- + Calculate the open positions from the executions



Components from the Connamara Trading Stack, when combined with the Connamara messaging middleware and API, fulfilled the Laurion requirements.

- + **FIX Hub** - Order routing
- + **FIX Publisher** - Receive echoed FIX messages from FIX Hub and publish Connamara domain objects into Connamara Message Bus
- + **Position Server** - receive executions, calculate open positions and publish into system
- + **DB Recorder** - Listen for Connamara orders, executions and positions and persist into database
- + **PostgreSQL** - Back-end storage
- + **DB Publisher** - Republish Connamara orders, executions and positions for recovery
- + **OMS Library** - Client library for local order management services
- + **Position Library** - Client library for local position management services
- + **TestRunner** - Integration and regression testing framework

## Technology

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Server Components and Client Libraries are written in C++ running and are supported on Linux.

## Licensing

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All components are licensed under the Connamara Systems Made-To-Measure licensing program.

- + One time perpetual license for exclusive use, cannot resell
- + Includes source code

## To Learn More

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To learn how Connamara Systems can help you solve your trading technology problems

Visit [www.connamara.com](http://www.connamara.com)

- or -

email [info@connamara.com](mailto:info@connamara.com)