



+ Product Fact Sheet **TestRunner**

The Connamara TestRunner is a “black-box” testing tool that allows software development teams to automate regression and integration testing of complex trading systems.

Connamara TestRunner is built using a plug-in architecture that allows it play the role of external systems that interact with the system under test. For example, TestRunner can play the role of an execution venue and a market data source to test the behavior of the system to market data inputs.

With the Connamara TestRunner, business analysts, quality assurance staff and software engineers can create a suite of end-to-end system tests to validate and document system behaviors. This suite of tests can be designed and implemented, based on the system requirements, prior to and while the system is being developed. This places an emphasis on the QA and requirements processes from the start of the development effort and results in higher quality, easier to maintain systems.

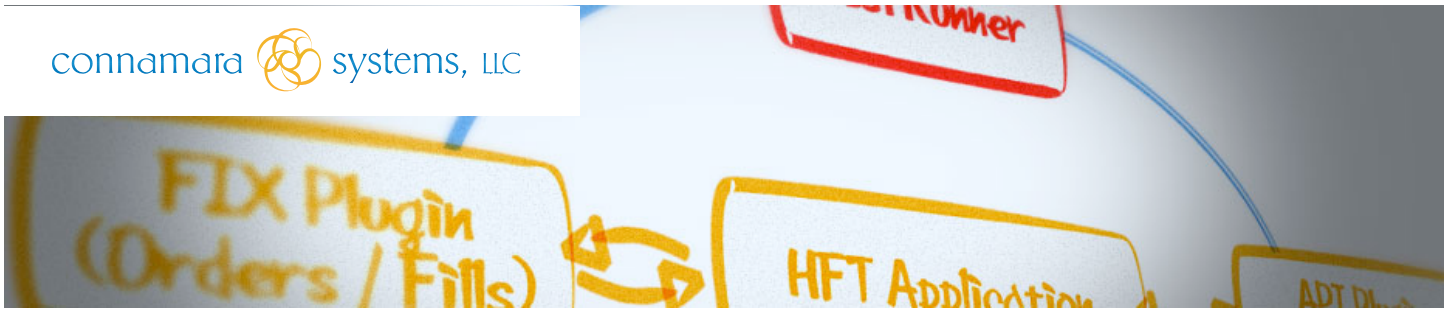
Once a system is in production, TestRunner and the existing tests places a shield of regression tests around the system to protect against unintended changes when adding new functionality to the system. This means that upgraded systems can be rolled into production with a higher level of confidence then can be gained through traditional manual QA processes.

TestRunner is easily integrated with automated build tools, like BuildBot, to create a fully automated test and continuous integration environment.

Functionality:

The functionality currently offered by the Product Name is listed below.

Functionality	Description
Plug-in Architecture	Available Plug-in + Connamara API + FIX + SQL (Postgres, MySQL) + CSV



Technology:

Connamara TestRunner is written in JRuby. JRuby is a proven platform that is fully compatible with Ruby 1.8.7. It is used in enterprise environments where developers need to use their JVM/Java infrastructure but move to a more productive language.

JRuby provides high performance and easily interfaces with native Java libraries. Java provides a vast library of open source tools to meet many of the challenges a general purpose acceptance and integration testing framework needs to meet. Ruby provides developers with the productivity gains of a modern scripting language. Our approach for TestRunner is to marry the three technologies, using a JRuby glue with Java libraries as necessary.

