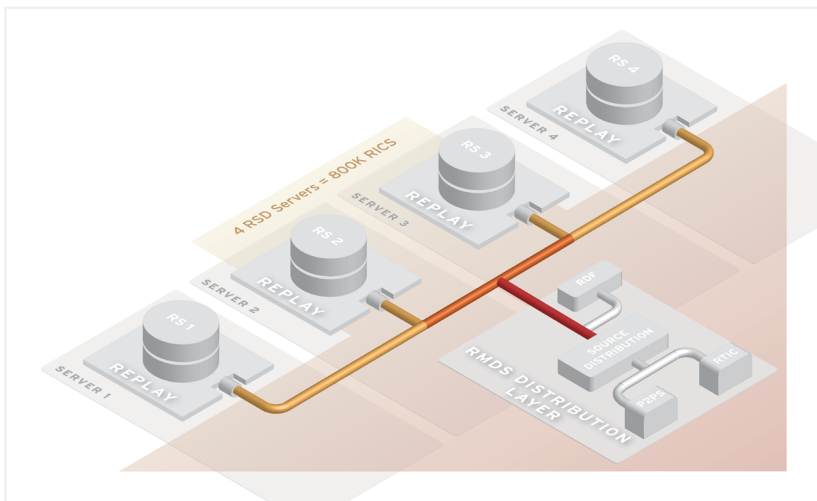# Market Data Capacity Planning Service

## Can your infrastructure keep up?

With market data update rates on an exploding growth curve, it's critical to know if your infrastructure can keep up.

Reuters, together with their software testing partner CodeStreet, is offering a complete end to end capacity planning and testing solution to stress test your Enterprise Platform distribution platform and applications.

Within a week, CodeStreet and Thomson Reuters engineers will build and configure a test environment comprised of a number of ReplayService for TREP record and replay instances that will allow up to 1 Million symbols to be sent into your infrastructure at varying update rates (see diagram below). By first recording market data from the TREP hub and then replaying that data into the hub at varying update rates, the breaking points in your infrastructure can be identified and resolved before these problems arise in production.



Pouring random data into an TREP environment is no longer an acceptable means for testing real and potential market conditions. It's important that the test data be as realistic as possible so that latencies and capacity can be evaluated under real world conditions. ReplayService for TREP is able to reproduce exact market conditions and then accelerate them on demand. The ability to reproduce precise scenarios allows the effect of changes in your infrastructure to be measured against a fixed set of market data conditions.

The solution comprises a number of ReplayService for TREP server instances along with the necessary configuration scripts for your market data environment along with a deployment architecture for distributing the servers over a number of machines. Exact specifications for the hardware and directions for building and applying the symbol lists are also provided.

## Specifications (1 million symbols)

20 instances of ReplayService for TREP scaled on 5 servers.

Servers:
5 x HP Proliant DL 385 Series (or comparable)

CPU:
4 x Intel Xeon or AMD Opteron (minimum)

Memory:
8Gb of RAM

HDD:
6 drive slots:  2 x 140Gb SCSI (RAID-1) for OS, and 4 x 140Gb SCSI (RAID-0) for RS-RMDS Installations

OS:
Linux RHEL3 or RHEL4

Software:
RS-RMDS 1.2.1.12

Network:
Gigabit Ethernet

### For more information, please contact:

**CodeStreet Market Data Sales**
sales@codestreet.com
646-442-2800

You can also contact your Thomson Reuters sales representative or visit Thomson Reuters customer zone.

**ReplayService for TREP is a valuable tool for Thomson Reuters Enterprise Platform users and application developers.**

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