Gresham ✳

CTC reconciles transactions faster than competitive offerings in Intel benchmarking

Intel performance test

CTC achieves unprecedented transaction processing times in benchmark tests

Gresham's reconciliation solution Clareti Transaction Control (CTC) has achieved unprecedented transaction processing times in a series of benchmarking tests conducted with Intel. These tests included load and match into a database of over 50,000 equity trade transactions per second and were conducted in June 2012 on the Intel® Xeon® Processor E7 family, at Intel's Computing lab in Reading, United Kingdom.

> **Over 50,000 equity trade transactions per second loaded and matched into a database**
> Proved in the Intel FasterLab

"These results show how Gresham's CTC is delivering a much needed step change in financial institution reconciliations. This is essential as financial institutions seek to get more done faster. With organisations placing greater emphasis on effective internal control environments, inter-systems matching and reconciliation is becoming a vital component in minimising operational risk. The scalability and performance of CTC responds to market needs and is way beyond the capabilities of traditional Nostro reconciliation-based engines," said Neil Vernon, Development Director, Gresham Computing plc.

CTC application platform

CTC was built using the GigaSpaces XAP elastic application platform as an integral part of its infrastructure. XAP is geared for big data, employing an in-memory data grid for tremendous processing speed, 'share-nothing' partitioning for reliability and consistency and eventdriven architecture that enables real-time processing of massive event streams and unlimited processing scalability. With CTC, organisations can rapidly replace existing manual and semi-automatic internal controls with automated controls, secure in the knowledge that CTC can easily scale to cope with higher volumes in the case of future growth or consolidation.

In the past institutions might have needed multiple reconciliation systems to handle large volumes of transactions close to real-time. They can now process these through a single instance of CTC, making significant cost and efficiency savings. CTC has the scalability to handle the transaction processing needs of industry consolidators such as OTC central clearing bodies or reconciliation service providers – all of whom have growing demands for volume and need to get things done faster.

Gordon Hughes, Alliances Director Financial Services, Intel, commented, "We are impressed by the results

> **500,000 transactions/ sec when operating as in-grid matching service**

that Gresham's CTC solution achieved in their rigorous performance testing conducted at Intel's fasterLAB. Financial services customers are at the forefront of high performance and scalability demands, and in these tests the Intel® Xeon® Processor E7 family has demonstrated

CTC's ability to deliver significant performance and power efficiency in the reconciliation environment.

> ❞ We are impressed by the results that Gresham's CTC solution achieved in their rigorous performance testing conducted at Intel's fasterLAB

The ability to process 200 million transactions per hour gives customers the certainty they need that as their volumes grow, CTC running on Intel processors can scale to the needs of their enterprise."

These benchmark tests with Intel are the beginning of a long partnership between the two companies giving customers performance and scalability certainty.

About CTC

CTC is relied on by financial businesses throughout the world to guarantee their data integrity. An agile platform which marries sophistication with simplicity, it empowers clients to harness and evolve its capabilities to serve the specific demands of their organisations.

Removing the risks associated with managing myriad complex systems, CTC combines best-in-class performance with the most innovative technology on the market today – fast, accurate and flexible, it combines complete visibility with stringent regulatory control, and can be implemented and customised to an organisation's unique requirements within a matter of days.

About Gresham Technologies

Gresham's award-winning Clareti software platform has been designed to provide financial institutions with complete certainty in their data processing. Clareti is a highly flexible and fully scalable platform for assuring enterprise data integrity and is designed to address today's most challenging financial control, internal risk management, data governance and regulatory compliance problems. Gresham's portfolio of applications based on the Clareti platform, including Clareti Transaction Control (CTC), Clareti Accounts Receivable Management (Clareti ARM) and Clareti Loan Control (CLC), provide innovative industry and domain specific solutions for real-time data management based on business-driven controls. Gresham Technologies plc is a leading software and services company that specialises in providing real-time transaction control and enterprise data integrity solutions. Listed on the main market of the London Stock Exchange (GHT.L) and headquartered in the City of London, customers include some of the world's largest financial institutions, all of whom are served locally from offices located in Europe, North America and Asia Pacific.

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