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Technical breakthrough for Seamless' new platform for Top Up and m-Payments with ultra high scalability using JBoss technology.

Seamless Distribution AB, a leading supplier for Top Up and m-Payment solutions, recently performed benchmarking tests for scalability of their new system architecture based on JBoss components. The results exceed the high expectations put up by Seamless' product development team. This is a very significant breakthrough because the market demand for transaction throughput is continuously increasing.

"Through the success of our customers, their expanding business and the continuously rising transaction volumes, Seamless' products have been put under higher and higher pressure" says Per Modigh, Quality Assurance Manager at Seamless. He continues "Our customers, especially large and international mobile telecom operators, demand a solution that easily adapts for their prepaid code distribution network. These large and complex distribution networks generate vast amounts of transactions and they demand real-time connectivity between operator, their chain of distributors, thousands of resellers and millions of subscribers" concludes Per Modigh.

To be able to build a robust and fully scalable design and yet make a cost efficient transaction server, Redpill AB was contacted. Redpill are specialists in Open Source solutions in environments that are crucial for business.

"We were rather surprised at the extremely high targets put up by Seamless. Their current system is based on J2EE/Corba and MySQL but the demands for the new platform were so many, many times higher", says Lennart Petersson, CTO at Redpill AB.

The work to migrate the application to EJB3, Oracle and JBoss was carried out during summer. To enable realistic conditions during the testing, it was run against servers at the SUN Benchmarking Centre in Scotland. SUN took high interest in the project; they supplied not only the required hardware, but also the resources for configuration and monitoring during the entire benchmarking process. The test environment comprised Load generators, clustered Application servers (Sun Fire X4200/Solaris 10) and a Database server (Sun Fire X4600/Oracle 10).

The results were continuously monitored during several days of test runs while the Seamless crew where trimming and tuning the components.

"When we finished the tests it was clear that we had exceeded our target for transactions per second during several hours of test runs on a JBoss/Oracle platform" says Per Modigh adding "We also benchmarked a JBoss and Enterprise DB configuration with results above expectations".

Martin Wingert, Manager of Product Development at Seamless: "I can conclude that my team has created a unique solution for our customers on the global telecom market. We have now proven that future high demands in throughput can be handled in our robust and scalable system. Our roadmap for the next level of system architecture has been confirmed".

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About Seamless:
Seamless Distribution AB makes Top Up of prepaid mobile phones convenient to consumers and facilitates m-Payments. The product ERS 360° is a comprehensive software platform that connects Mobile Operators to Retail Chains, Banks, Web portals etc. enabling wide distribution of electronic Top Up. An m-Payment can be described as a reversed Top Up where the ERS 360° acts as a hub for Micro Payments and Money Transfer. ERS 360° supports a multitude of Top Up options and offers highly secure and scalable transaction solutions.

Seamless' customers include Mobile Telecom Operators, Prepaid Distributors, Banks and Retail Chains. The company has deployed Top Up and m-Payment solutions for more than 40 Operators in 15 countries, across four continents.

Seamless is a Global Partner of both Ericsson and Sagem-Orga. Seamless Distribution AB was founded in 2001 and the share is traded at OMX First North since May 30th, 2006. The company is headquartered in Stockholm, Sweden.

www.seamless.se

About Redpill:
Redpill AB is the market leading company to provide services for Mission Critical Open Source Solutions. By partnering with World leading Open Source Developers Redpill offers specialist Consulting, Training (Public and On-site), Migration services and 24/7 Support for leading products like JBoss, Hibernate, EnterpriseDB and SugarCRM. Redpill has offices in Stockholm, Gothenburg, Karlstad and Oslo.

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