



Certeon Announces the Findings of a Tolly Group Report Highlighting Extreme Scalability for Virtualized WAN Acceleration

-- aCelera Virtual Appliance Delivers Significant Opportunity for Application Scalability and Performance Optimization over the Wide Area Network --

BURLINGTON, Mass. – October 13, 2009 – [Certeon](#), the leading provider of virtual appliance solutions for WAN optimization and application acceleration, today announced report findings by independent testing organization The Tolly Group that highlight the extreme scalability of Certeon's *aCelera* software appliance. As virtualization becomes increasingly established in the enterprise, this report validates the importance of high-performance virtualized application acceleration solutions, which significantly reduce hardware footprints and offer scalability advantages over hardware appliances.

The Tolly Group testing report found:

- Certeon *aCelera*'s extreme scalability sustains 3,500 concurrent accelerated TCP connections over a T1 link.
- *aCelera* offers a 99 percent reduction in file transfer times using data compression and de-duplication of network traffic.

Certeon's *aCelera* software appliance was tested by Tolly engineers in Q3 2009, running on a VMware ESX 3i virtualization platform on a Dell PowerEdge 1950 rack server. The virtualized solution was deployed on both ends of the latency-prone wide area network (WAN) links, and according to The Tolly Group, *aCelera* not only decreased application response times but also reduced the amount of data which was transferred over the wire.

Tolly engineers also tested the ability to reduce application times for the remote workforce and used various WAN links to simulate a scenario in which a remote network

downloaded a mixture of large text files from a data center server. Certeon's 'first pass' at transferring data across the *aCeler*a appliance saw response times dramatically reduced by up to 90 percent over the baseline scenario. Once the data was stored and indexed, the Certeon 'second pass' saw reduction by up to 99 percent. Each test file was fetched three times to ensure repeatability of the results.

In addition, the report focused on the number of concurrent supported T1 links and the reduction in the application response time to transferred files, and reported that *aCeler*a sustained 3,500 concurrent accelerated TCP connections over a T1 link. All files were tested on simulated WAN links consisting of 1 1.5 Mbps T1 link with 200 ms of round trip latency.

"With the increasing popularity of virtualization, Certeon's *aCeler*a Virtual Appliance delivers a software application acceleration platform that can reduce hardware footprint and offer significant scalability advantages on industry-standard server hardware," states Kishore Kalidindi, The Tolly Group. "Test results show that the *aCeler*a virtual appliance can be implemented as a high performance application acceleration solution that can be scaled as needed, rather than a purpose built hardware appliance."

Certeon *aCeler*a delivered a reduction in hardware footprint, improved scalability and better flexibility over proprietary hardware appliances. Using data compression, history caching and deduplication of network traffic, Certeon's software appliance is able to scale where purpose-built appliances fail.

"A high performance and scalable WAN infrastructure is required for enterprises to extend the benefits of virtualization and cloud computing to remote workers," states Peter Dougherty, Co-founder, President and CEO, Certeon Inc. "The Tolly Group report shows that *aCeler*a offers enterprises the crucial ability to scale and dramatically improve application performance with a more cost-efficient software WAN optimization solution than proprietary hardware appliances."

For the complete report and testing methodology, download the full report here: [*The Tolly Group – Certeon WAN Optimization Performance and Scalability Test Results.*](#)

aCelera Virtual Appliance software products are the perfect union of virtualization and application acceleration technology, providing businesses with performance, scalability, and easy management. *aCelera* is system-independent and hypervisor-agnostic. *aCelera* maximizes application acceleration for all traffic with performance enhancements for mission critical applications and business continuity environments, improving network bandwidth optimization and performance by more than 95 percent. When compared to proprietary hardware appliances, *aCelera* software saves IT departments up to 60 percent in capital and operations costs.

About Certeon

Certeon's *aCelera* software is the first WAN optimization and application acceleration virtual appliance to deliver acceleration, scalability, and manageability when remotely accessing applications throughout a distributed enterprise. *aCelera* software reduces application response time over the WAN by more than 95 percent without proprietary hardware appliances. *aCelera* performance scales linearly as more resources are added (i.e., CPU, memory, and disk) and supports up to 50 percent more concurrent accelerated connections than "closed" proprietary hardware appliances. Enterprises and managed service providers can save as much as 60 percent in total cost of ownership (TCO) when deploying *aCelera* software to virtualized infrastructures. *aCelera* is flexible and easy to deploy, delivering faster, more scalable application acceleration to more users. For more information visit www.certeon.com.

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About The Tolly Group

The Tolly Group, an independent testing and strategic consulting organization based in Boca Raton, FL, offers a full range of services designed to furnish both the vendor and end-user communities with authoritative and unbiased information. Additionally, The Tolly Group is recognized worldwide for its expertise in assessing leading-edge technologies. For more information on The Tolly Group's services, visit its Web site at: Tolly.com, E-mail info@tolly.com, call (561) 391-5610, or fax (561) 391-5810.

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