

Grid Dynamics Demonstrates Linear Scalability up to 512 Nodes with GridGain Software on Amazon EC2 Cloud

Following up on their recently announced partnership, Grid Dynamics and GridGain teamed up to develop the largest publicly known grid scalability test for Amazon EC2.

San Francisco, CA ([PRWeb](#)) August 4, 2008 -- Following up on their recently announced partnership, Grid Dynamics and GridGain teamed up to develop the largest publicly known grid scalability test for Amazon EC2. The results published by Grid Dynamics on 08-04-2008 demonstrate linear scalability up to 512 nodes on Monte Carlo simulation problem when GridGain and Amazon EC2 are used together. This test paves the way for the companies to run large-scale parallel computations "on the cloud" to achieve dramatic price/performance improvements over in-house grids.

Using their trademark expertise in performance engineering Grid Dynamics' engineers conducted a comprehensive performance and scalability test of massively parallel computational algorithms running on Amazon EC2 using GridGain grid middleware.

A series of tests containing various amounts of Monte Carlo simulation computations was executed on the grid consisting of 2, 4, 8, 16, 32, 64, 128, 256 and 512 nodes. Results showed linear scalability and performance improvements from 2 to 512 nodes. Detailed results are available on the respective websites for Grid Dynamics and GridGain.

Monte Carlo simulation problem was chosen for its wide use in the financial applications. The test utilized full open source software stack, including GridGain, Linux operating system, Sun's Open MQ JMS messaging and Sun's Java 5 VM.

Says Nikita Ivanov, founder of GridGain Systems: "With this test GridGain plants itself on a very different level. Not only we can claim that GridGain is simple and very productive to use -- something that our customers realized long before -- but we can also show now that you can achieve unprecedented results in a fraction of cost and time when running on Amazon EC2 cloud infrastructure. Looking at cost/scalability ratio it is truly amazing what performance capability you can get today for a price that was simply economically unthinkable just short 5 years ago..."

Adds Victoria Livschitz, CEO of Grid Dynamics: "People are looking to cloud computing for answers to ultimate application scalability. But the true limits of these systems are not yet known. Today we have achieved something significant -- we proved that if the application itself is perfectly scalable then with the right choice of middleware technology and the right choice of a cloud platform you can achieve a perfect linear scaling up to at least 512 nodes. Amazon EC2 and GridGain can get you there today."

About GridGain Systems

GridGain Systems develops open source Java grid computing platform licensed under LGPL and Apache 2.0 licenses. It is available free for immediate download on all major operating systems at www.gridgain.com. Since its first release in August of 2007 GridGain became the fastest growing Java grid computing infrastructure with



tens of thousands of downloads and hundreds of deployments around the globe.

Contact information: bizdev@gridgain.com

About Grid Dynamics

Grid Dynamics Consulting Services, Inc., is a global leader in grid consulting. Grid Dynamics specializes in the design of high-performance, scale-out applications and grid management systems. Grid Dynamics offers consulting and engineering services in architecture, design, development, performance tuning and knowledge transfer for "extreme applications" to clients in financial, online retail, entertainment and other industries.

Contact information: skainz@griddynamics.com

###



Contact Information

Nikita Ivanov

GridGain

<http://www.gridgain.com>

1-866-905-3784

Online Web 2.0 Version

You can read the online version of this press release [here](#).

PRWebPodcast Available

[Listen to Podcast MP3](#) [Listen to Podcast iTunes](#) [Listen to Podcast OGG](#)