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Convey Teams with Nimbix to Deliver Hybrid-Core Computing to the Cloud

‘Big Data’ Deluge Driving New HPC Cloud Solutions

Seattle—November 14, 2011—Convey Computer announced today it is partnering with HPC cloud innovator, Nimbix, to deliver Convey’s unique hybrid-core architecture and bioinformatics personalities as a cloud-based HPC solution. Nimbix, a new Convey customer, will deploy hybrid-core systems to accelerate informatics and discovery applications.

Convey has multiple solutions for big data—most notably in bioinformatics and genome research. Convey personalities accelerate applications such as genome sequencing and alignment, giving researchers the ability to solve problems they previously could not. Because Convey’s FPGA-based systems feature an adaptable architecture, customers are creating new personalities every day to attack specific problems they face.

Unlike other cloud infrastructure providers, Nimbix manages accelerated server platforms to speed up data processing for computationally intensive applications, such as bioinformatics, financial analytics, and graphics. In 2010, Nimbix announced its Nimbix Accelerated Compute Cloud™, which puts efficient hardware technology, optimized for industry-specific applications, in the hands of customers wanting to solve big data challenges. Nimbix also is expanding its private cloud HPC clusters for customers who prefer dedicated environments for accelerating computing.

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“With our cloud solutions, customers can leverage multiple accelerator technologies, including Convey’s hybrid-core servers, for big data applications. We lower the barrier of access to the ‘new HPC’ via the cloud and deliver a more efficient and productive path to results,” said Steve Hebert, co-founder of Nimbix.

Convey CEO and co-founder, Bruce Toal, said Convey believes that cloud services for bioinformatics will continue to grow because the cloud "optimizes access" to HPC's most innovative hardware and software solutions. “We are very excited to announce Nimbix as a customer and cloud partner. By bringing our accelerated bioinformatics algorithms and hybrid-core system performance to the cloud, scientists and researchers have another option available for managing and analyzing massive amounts of research data.”

The hybrid-core architecture is the ideal complement to data-intensive cloud computing environments because Convey systems combine powerful, reconfigurable processing elements with a supercomputer-inspired memory subsystem. Big data applications, which depend upon random access patterns to large memory spaces, experience severe memory performance limitations on cache-based servers. Convey’s highly parallel memory subsystem allows application-specific logic to have over 8,000 simultaneous memory transactions in flight, significantly increasing effective memory bandwidth over cache-based memory systems.

About Convey Computer Corporation

Based in Richardson, Texas, Convey Computer breaks power, performance, and programmability barriers with the world’s first hybrid-core computer—a system that marries the low cost and simple programming model of a commodity system with the performance of a customized hardware architecture. Convey brings decades of experience and intellectual assets to performance problem solving. Its executive and design teams all come from successful backgrounds of building computer companies, most notably Convex Computer Corporation and Hewlett-Packard. Convey Computer investors include Braemar Energy Ventures, CenterPoint Ventures, Intel Capital, InterWest Partners, Rho Ventures, and Xilinx. More information may be found at: www.conveycomputer.com.

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About Nimbix

Nimbix is a provider of cloud-based High Performance Computing infrastructure and applications. Nimbix offers its customers hardware accelerated server platforms and HPC applications as a service through the Nimbix Accelerated Compute Cloud [™], dramatically speeding up data processing for Life Sciences, Finance and Graphics applications. Nimbix operates unique high performance hybrid systems including GPU and FPGA accelerated servers in its Dallas, Texas datacenter. Nimbix investors include Blackwell Energy Group, Silver Creek Ventures, and Techwildcatters. Additional information about Nimbix is included in the company overview, which is available on the Nimbix website at <http://www.nimbix.net>.

For more information on Convey Computer, contact Bob Masson (bmasson@conveycomputer.com) or Mary Dudley (mdudley@conveycomputer.com).

At SC11, please visit Convey Computer in Booth 1313.

For more information on Nimbix, please contact: Nimbix +1-866-307-0819 or email pr@nimbix.net

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