ANSYS 16.1 Delivers Enterprise Simulation On The Cloud

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PITTSBURGH, May 7, 2015 /PRNewswire/ -- ANSYS (NASDAQ: ANSS) customers can now deploy consistent enterprise-specific simulation workflows and data to more engineers, regardless of geographic location or business unit with today's launch of ANSYS® 16.1 and ANSYS® Enterprise Cloud ™.

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The new solution, running on Amazon Web Services (AWS), simplifies and accelerates the transition to cloud-based simulation by providing a reference architecture for end-to-end simulation that can be deployed within days – minimizing risk while boosting productivity. Customers who adopt the ANSYS Enterprise Cloud can scale their simulation capacity – including infrastructure and software assets – on demand, in response to changing business requirements, optimizing efficiency and cost while responding to the growing demand for wider use of the technology.

"HGST sees the use of cloud computing as an important paradigm shift, providing increased business agility and the capacity when and where we need it," said Steve Phillpott, chief information officer of HGST, Inc. "We are impressed that the ANSYS solution delivers the full end-to-end simulation process in the cloud, allowing us to maintain models, simulate and analyze results directly in our virtual private cloud (VPC) environment. Keeping everything in HGST's VPC mitigates compliance, connectivity, performance and latency issues that are unique challenges for complex modeling and simulation workflows such as ours."

The ANSYS Enterprise Cloud has been carefully architected to remove previous barriers to adoption of cloud computing for engineering simulation. Delivered in a single-tenant environment that secures customer data, the solution supports 3-D interactive graphics workloads and auto-scaling high-performance computing (HPC), so results don't need to move between end users and the cloud datacenter.

With the ANSYS Enterprise Cloud, more engineers can access the software and hardware tools they need, enabling broader adoption of simulation technologies and helping organizations stay competitive while focusing on their core competencies.

"ANSYS has supported cloud solutions for a number of years, but ANSYS Enterprise Cloud takes the simulation of complete virtual prototypes to an entirely new level by providing our full suite of comprehensive engineering simulation solutions on a global cloud platform" said Jim Cashman, ANSYS CEO. "Customers don't want to be saddled with specifying, procuring, deploying and managing simulation infrastructure. That's where ANSYS Enterprise Cloud excels. Outsourcing the simulation datacenter allows customers to focus on developing breakthrough products while freeing up capital for other investments."

In addition to the cloud offering, ANSYS 16.1 delivers advancements in the area of parametric optimization. Genetic aggregation, in ANSYS DesignXplorer™, automates the selection of best response surface algorithm. The result is a highly accurate response surface, created automatically and in a fraction of the time versus other optimization solutions. That enables users to realize their most innovative designs quickly and with confidence.

With the new release, ANSYS AIM™ continues to redefine how multiphysics simulation is performed in a single user environment. AIM, a next-generation simulation environment, extends the value of simulation beyond single engineering disciplines by providing a full array of physics in a unified, immersive user environment readily deployable across the organization. This release delivers several productivity innovations and supports kinematic joints for assemblies in motion.

The latest release of ANSYS Redhawk™ is optimized to solve the challenges inherent in 10-nanometer and smaller integrated circuit (IC) design challenges, including higher current density and increased reliability challenges such as electromigration failures. ANSYS 16.1 also introduces distributed machine processing, which enables simulation of the largest and most modern IC designs that can be solved fast on hardware found in typical clusters and servers.

Investors: To learn more about the ANSYS Enterprise Cloud, attend the ANSYS Investor Day, June 2 in Detroit.

About ANSYS, Inc.
ANSYS brings clarity and insight to customers' most complex design challenges through fast, accurate and reliable engineering simulation. Our technology enables organizations — no matter their industry — to predict with confidence that their products will thrive in the real world. Customers trust our software to help ensure product integrity and drive business success through innovation. Founded in 1970, ANSYS employs over 2750 professionals, many of them experts in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, embedded software, system simulation and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 75 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

ANSYS also has a strong presence on the major social channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

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