Optimize ANSYS® application environments with Platform HPC

**ANSYS Accelerates Designs**

The combination of ANSYS applications and Platform software enables your engineering team to deliver more accurate designs easier and faster. Businesses can improve product quality and reduce time to market while running more complex and accurate simulations than was previously possible.

*Platform HPC* management software accelerates ANSYS engineering simulations and maximizes IT infrastructure utilization resulting in higher ROI and lower infrastructure costs.

Platform can simplify job submission for ANSYS customers by using the Platform HPC web-based portal. Geographically distributed teams are able to collaborate via an engineering portal and security is improved by reducing the number of users with direct access to the cluster.

**Platform Computing Provides**

- Transparent access to heterogeneous computing resources
- Faster job performance and better system utilization
- Advanced management of parallel jobs and also includes a web portal, an easy-to-use portal for ANSYS software and other CAE applications
- A collection of web templates and integration scripts designed specifically for ANSYS applications
- A customizable Web-based job submission and monitoring portal for the ANSYS® Workbench™
- Management of heterogeneous environments

**End User Benefits**

- By utilizing DMP and Grid, jobs run faster
- More control over compute workloads - especially for large and complex simulations
- Improved computing reliability and availability
- Easy to configure, maintain and grow as business needs change
- Comprehensive web-based management console
- The HPC industry’s best support organization

**Ideal for Customers who:**

- Have long running jobs, or large numbers of jobs that are difficult to manage
- Need to run multiple applications or operating systems on a single cluster
- Wish to share resources equitably between various project teams, users or groups
- Have parallel applications that run on multiple CPUs simultaneously
- Want to provide better, more predictable service levels (SLAs) to their users
- Have clusters with idle CPUs that could be better utilized
ANSYS and Platform HPC:

Platform HPC is a complete management product that enables a new class of users to leverage the power of x86 clusters by simplifying Linux and Windows based cluster deployment, application integration, and workload management. Backed by 24/7 enterprise-class support and engineered specifically for the latest server, storage subsystems and interconnects, Platform HPC incorporates nearly two decades of product and technology leadership.

By offering integrated workload management, a job submission portal and an easy to use web administration interface, Platform HPC is a comprehensive management product and is a clear source of competitive advantage for simulation users.

Platform HPC includes:

- **Cluster Management**: robust, easy to use cluster management that includes everything your customers need for your state of the art heterogeneous (Linux/Windows) cluster to be up and running fast.
- **Workload Management**: a full-featured workload scheduler optimized for simplified deployment and management
- **MPI Library**: fully integrated message passage interface (MPI) that enables software developers to parallelize high performance applications.
- **Customizable Web Interface / Application Integration**: improve user productivity, reduce training, cluster administration and support requirements by designing job submission and management familiar to the user.
- **Workload, system monitoring & reporting**: provide real-time web based view of the current state of cluster nodes and jobs
- **Flexible OS Provisioning**: deploy multiple operating systems versions concurrently on the same cluster and, based on job resource requirements, dynamically boot the Linux or Windows operating system required to run the job.
- **Pre-tested, certified and factory integrated configurations** to improve customer satisfaction

**ANSYS / Platform HPC Software Stack**

**Contact Platform Computing**
Telephone: +1 (905) 948-8448
Toll Free: +1 (877) 528-3676
Email: partnersales@platform.com

**Business Development Executive**
Mark Longo – milongo@platform.com +1 (408) 437-4744

**Systems Engineer**
Charlie Gonzales – cgonzales@platform.com +1 (408) 437-4746

**Contact ANSYS, Inc.**
hpcinfo@ANSYS.com
Toll Free US & Canada: +1 (866) 267-9724 Worldwide +1 (724) 746-3304