

# High performance parallel computing made simple

Powered by NVIDIA® Tesla™ GPUs and Platform Cluster Manager



- Quickly and easily deploy GPU clusters
- Scale to thousands of GPU cores to solve large-scale problems
- Provides a green, high-efficiency computing platform
- Platform Cluster Manager's NVIDIA® CUDA™ kit unlocks the power of Tesla™
- Seamlessly schedule workloads on GPU and hybrid clusters using Platform LSF®

GPU-accelerated clusters are rapidly growing in popularity as powerful, cost-effective High Performance Computing (HPC) solutions. Moving quickly into large production systems, NVIDIA® has positioned itself as the key driver for high performance computing GPU clusters. NVIDIA's Tesla™ hardware, along with the CUDA computing environment, is delivering impressive results for commercial HPC workloads.

In partnership with NVIDIA, **Platform Cluster Manager** and **Platform HPC Workgroup Manager** enable analysts, engineers, and scientists to unlock the power of NVIDIA Tesla GPU Clusters while making them easier to deploy, run and manage.

Choose the Platform Computing cluster management solution that's right for your NVIDIA GPU Cluster.

## Platform Cluster Manager CUDA kit includes:

- Drivers
- C Runtime for CUDA
- BLAS, FFT and other math libraries optimized for CUDA architecture
- GPU hardware debugger and profiling tools
- SDK code samples for dozens of HPC algorithms

### For more information:

Platform Cluster Manager:

[www.platform.com/clusters/platform-cluster-manager](http://www.platform.com/clusters/platform-cluster-manager)

Platform HPC Workgroup Manager:

<http://www.platform.com/clusters/platform-hpc-workgroup-manager>

Feature	Platform Cluster Manager	Platform HPC Workgroup Manager
Fast and efficient cluster installation	✓	✓
Intuitive web-based management	✓	✓
NVIDIA® Tesla™ GPU CUDA™ kit	✓	✓
Update nodes with no re-installing	✓	✓
Perform repository snapshots	✓	✓
Change node configuration any time	✓	✓
Multiple operating system support	✓	✓
Built-in monitoring, alerting & reporting	✓	✓
Integrated job submission portal	✓	✓
Sophisticated workload management (Platform LSF)	✗	✓
WLM support for parallel applications	✗	✓
Powerful Platform MPI	✗	✓
24x7 Enterprise support	✓	✓

