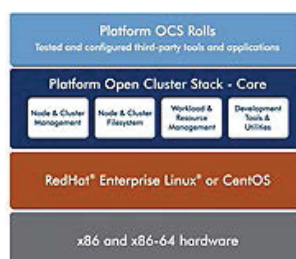


Platform Computing and QLogic

High Performance Computing

Overview

Platform Computing and QLogic have an alliance to bring you Platform OCS with QLogic InfiniBand support. Platform OCS simplifies the installation and management of High Performance Computing (HPC) clusters, which is especially important with InfiniBand's ability to support very large clusters. The combination of Platform OCS and QLogic InfiniBand make large scale cluster computing a reality.



Platform[™]

Solution Highlights

Complete Simulations Faster

When running optimization programs that refine a design, reducing the time-to-information is critical for any company in these competitive industries. Interconnecting your cluster computing network using QLogic solutions can reduce this time interval—the end result is faster time-to-market and higher product quality levels.

Improve Product Designs

QLogic solutions enable companies to build larger node size clusters, run larger data sets, and expand simulation complexities in computer-aided design.

Reduce or Eliminate Costs

By better leveraging cluster compute and storage resources, industrial engineering customers utilizing QLogic's high performance switching and virtual cluster fabric solutions can reduce the costs and complexities of deploying and operating design and simulation data centers.

Platform

Platform Computing is a pioneer and the global leader in High Performance Computing infrastructure software. The company delivers integrated software solutions that enable organizations to improve time-to-results and reduce computing costs. Many of the world's largest companies rely on Platform for workload, cluster, and grid management. Platform has over 2,000 global customers and strategic relationships with Dell, HP, IBM, Intel, Microsoft, Red Hat, and SAS, along with the industry's broadest support for HPC applications. Building on 15 years of market leadership, Platform continues to define the HPC market.

Platform Open Cluster Stack (OCS)

Clusters, comprised of commodity server hardware and software, is disruptive technology gaining acceptance as the enterprise solution to an ever-increasing number of problems in the data center. Clusters are reshaping the HPC market driven primarily by price/performance and the rapid adoption of the Linux open source operating system.

However, the unsolved problem is lack of standardization. Readily available commodity components are decoupled and complex, making Linux clusters difficult to build and use.

To bring clusters to the mainstream and stimulate growth through the adoption of more applications for workgroups and departmental clusters, the process of building and managing Linux clusters needs to be simplified, minimizing the cost and time to get a cluster fully operational.

In order for this to happen there needs to be a comprehensive set of reference architectures, implementations, and technology standards that will enable interoperable components and a ubiquitous computing experience.

QLogic – High Performance Cluster Technology

QLogic offers a comprehensive end-to-end product portfolio that includes Multi-Protocol Fabric Directors, Edge Fabric Switches, InfiniBand Adapters, and a complete software suite to install, operate, and maintain your high performance interconnect fabric. QLogic offers the most comprehensive and flexible interconnect fabric solutions on the market. Application requirements from 12-to-864 InfiniBand ports can be supported in a single chassis. Multi-chassis fabrics that support thousands of host nodes can be constructed to meet the most demanding compute cluster requirements. This offering, combined with the industry's only Fabric Management tools that enable an administrator to install and boot a fabric in minutes, helps to satisfy the growing demand for high-performance computational clusters and grids.

High Capacity Multi-Protocol Directors

- 51.8Tb/s throughput in a single chassis
- InfiniBand DDR supported across full switching portfolio
- Support for 20-to-40Gb/s node-to-node

Comprehensive Fabric Management

- Centralized configuration and fabric initialization
- Accelerated fabric deployment and verification
- Fabric health and performance monitoring
- Fabric-wide diagnostics and maintenance
- Centralized management of virtual fabric services

Compatible Plus Software Stacks

- OpenFabrics/OFED™
- Optional value-added capabilities
- Accelerated standard MPI stacks

QLogic InfiniBand Benefits

1. Significantly improves application performance for faster time-to-solution
2. Provides fabric and application scaling to thousands of CPUs
3. Simplifies data center design and reduces operating costs

To Learn More

QLogic www.qlogic.com

Platform www.platform.com



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