



Platform Manager™

Enterprise Cluster Lifecycle Management

Overview

Platform Manager, formerly known as Scali Manage, tackles the full range of challenges presented by total cluster lifecycle management. It helps you provision, manage, and maintain multiple clusters and server farms in commercial, research, and academic environments. With Platform Manager, you can automate the installation, configuration, updating, and monitoring of the most complex multi-vendor environments through a single integrated, user-friendly interface. It provides you with the flexibility to manage existing hardware and leverage new technologies of your choice regardless of hardware vendor. The result, a proven, fully-integrated computing environment, reduces the costs and increases the reliability and performance of Linux clusters.

Importance of lifecycle management – Protecting investments

As clusters become an integral part of the way organizations do business, managing cluster lifecycles is becoming more difficult. All the facets of cluster lifecycle management, including initial deployment, change management, health monitoring, fault handling, root cause analysis, and resource optimization need to be addressed.

Platform Manager automates and manages these activities through a single integrated enterprise view for multi-vendor hardware platforms. It extends and optimizes the significant investments that organizations put into their clusters. As additional clusters are deployed, Platform Manager's single point of management enables all clusters and non-clustered servers to be managed and administered as a single entity, through a common interface. This provides optimization across the organization.

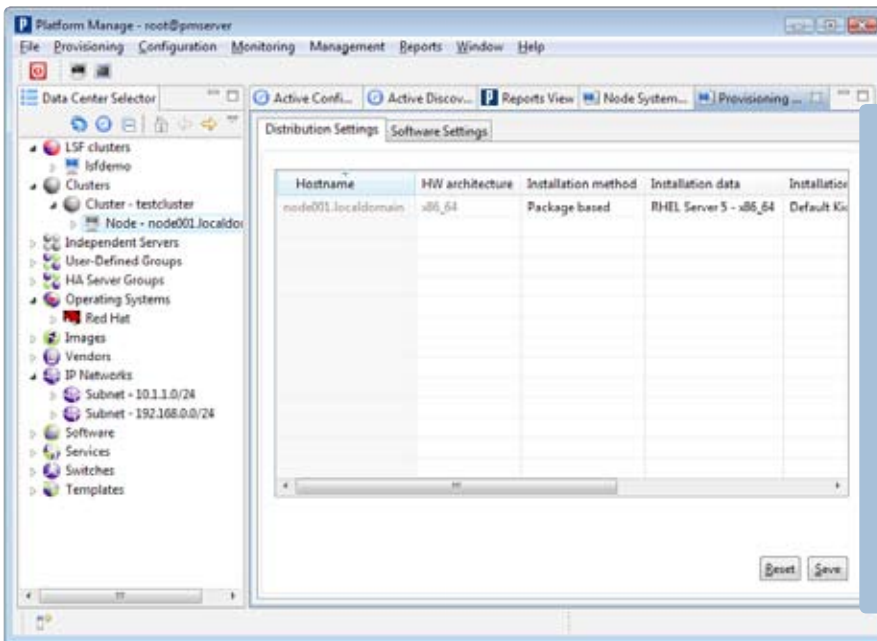
Initial deployment – Reduced time to production

During initial cluster deployments, Platform Manager is used to automate the process of starting from "bare metal" and building an entire cluster across the most diverse range of hardware platforms. It features an easy to use wizard that walks you through the key aspects of initial provision-based deployment, and automates time consuming integration steps. With support for intelligent provisioning, which includes package-based installations, image-based and diskless/stateless installations you can quickly provision machines, reducing time to production, and letting you get to work on your cluster quickly.

Ongoing cluster changes – Rapid updates

Clusters change over time. Interconnects are added, storage is expanded, operating systems are updated, and new nodes or architectures are deployed. Platform Manager enables you to interact with your cluster as a single entity through a single point of management, not as a collection of individual machines, so you can quickly update and modify your cluster. With a simple graphical user interface linked to robust wizards or, through the command line interface, Platform Manager provides fast, accurate updates across all cluster nodes.





Total Platform Solution
– Fastest, most scalable on the market
 Platform offers a total solution for High Performance Computing including Platform Manager for cluster provisioning, monitoring and management, Platform MPI for a high performance and easy to use MPI solution, and Platform LSF for batch workload management; Platform also offers consulting, training and support to ensure your success. Our total solution provides the industry's fastest, most functional and scalable products for high performance clustering.

Health monitoring – Anticipate and plan

Platform Manager has a full suite of monitoring and alarming capabilities that quickly notify you of any out-of-threshold conditions. Through the interface, you can anticipate potential issues and plan updates and upgrades appropriately. With its single point of management, Platform Manager provides aggregated actionable data that highlights potential issues.

Fault handling and root cause analysis – Quick restoration

In addition to monitoring the environment as a whole, Platform Manager provides access to detailed levels of information. This simplifies identifying problems and optimizing performance, by streamlining the drill-down from aggregated data to individual data points. With faster root cause analysis, clusters are restored to full operation quickly.

Resource optimization – Understand your cluster

Platform Manager includes a resource usage database that captures information about the use of your cluster. By maintaining an ongoing history of how the cluster has been used and how it performed, IT managers gain a clear understanding of the workload and success of their cluster. From this data, you can determine appropriate ways to increase capacity and performance based on the actual work performed by the cluster.

Workload Management integration – Extending your investment

Platform Manager provides application-aware High Performance Computing (HPC) infrastructure management through its integration with Platform LSF and Altair PBS Pro workload management software. The integration gives system administrators greater visibility into cluster operations by linking hardware management directly to the applications running on workload management clusters.

By combining the workload management capabilities of Platform LSF and Altair PBS Pro with the cluster management functionality of Platform Manager, system administrators can streamline installation, configuration, optimization and troubleshooting of these clusters. With Platform Manager, you can manage one or more Platform LSF and Altair PBS Pro clusters and the jobs running on them through a single interface.

High availability – Support mission critical production environments

Organizations are making clusters part of their production environments, and high availability is becoming essential for these mission critical installations. The Platform Manager/HA™ extension offers advanced software and services. These services deliver highly available installations through continuous access to the management console, configuration states, and images fault tolerance for the cluster head nodes, as well as high availability for Linux Standards Base compliant services.



Platform Computing is a pioneer and the global leader in High Performance Computing (HPC) management 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 to accelerate compute or data intensive applications and manage cluster and grid systems. 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 16 years of market leadership, Platform continues to define the HPC market. Visit www.platform.com.

World Headquarters
 Platform Computing Inc.
 3760 14th Avenue
 Markham, Ontario
 L3R 3T7 Canada
 Tel: +1 905 948 8448
 Fax: +1 905 948 9975
 Toll-free tel: 1 877 528 3676
info@platform.com

North America
 Boston: +1 781 685 4966
 Reston: +1 703 251 4850
 Detroit: +1 248 359 7820
 New York: +1 646 290 5070
 San Jose: +1 408 392 4900

Europe
 Basingstoke: +44 (0) 1256 883756
 London: +44 20 7977 1480
 Paris: +33 (0) 1 41 10 09 20
 Düsseldorf: +49 2102 61039 0
 Munich: +49 89 517397 52
 Oslo: +44 1256 883756
info-europe@platform.com

Asia-Pacific
 Beijing: +86 10 82276000
 Xi'an: +86 029 87607400
asia@platform.com
 Tokyo: +81 (0)3-6302-2901
info-japan@platform.com
 Singapore: +65 6307 6590
lliew@platform.com