

Platform RTM

Most comprehensive and flexible operational dashboard for workload management



Highlights:

- Comprehensive, intuitive dashboard to quickly track and diagnose issues before they affect service levels
- Drill-down capabilities to view details of hosts, jobs, queues, software license and user activities
- Instant alerts on job performance and cluster efficiency optimize usage and workloads
- Customizable graphs and charts to visually analyze resource usage, workload trends and job behavior
- Proven scalability to 1,000+ hosts

Benefits:

- Streamline Platform LSF cluster administration using dashboard and reports
- Increase user service level by quickly diagnosing and identifying issues
- Proactively manage Platform LSF clusters by understanding user workload
- Protect long-term investment with flexible customization tools for adding site-specific monitoring and reporting capabilities

Ideal for customers who:

- Need to ensure efficient administration and operation of one or more clusters
- Want greater visibility of their cluster environment
- Are developing optimal policies for high utilization and high throughput
- Require comprehensive understanding of resource usage trends and patterns over time
- Find the current monitoring tools limited and costly to maintain

Platform RTM – Report, Track, Monitor

Historical reporting products provide an excellent overview of past performance, but do you know how your clusters are performing right now? Platform RTM delivers timely information to effectively monitor and manage hosts, workloads, and license data in your Platform LSF environment. This helps system administrators improve decision-making, reduce costs and increase service levels.

A complete HPC management solution

Platform RTM is a product that delivers new value to your existing Platform LSF investment. It provides administrators a dashboard to monitor physical devices, application software functions, and individual job statistics on systems which use Platform LSF for workload management.

Key decision support for administrators

Platform RTM delivers workload information quickly so administrators can easily spot patterns and trends in the HPC environment. It provides answers to key questions that infrastructure and capacity managers need to ask, in order to right-size their distributed resources against business demand. Its intuitive dashboard gives system administrators timely information about how hosts, workloads and license data are affecting, or about to affect service levels and operations.

Pinpoint problems quickly

Platform RTM uses multiple data acquisition methods that allow administrators to graphically see how any network-attached device is behaving and pinpoint problems on servers and in the network. It includes a fast poller, advanced graph templating, and user management features out-of-the-box. An intuitive, easy-to-use interface makes seeing data as simple in complex networks with hundreds of devices, as it is in LAN-sized installations.

Reduce time spent on cluster monitoring

Platform RTM allows administrators to monitor more clusters with less effort. With cluster-level views, administrators no longer need to review multiple log files, and performance statistics to ensure clusters are operating efficiently. The dashboard is refreshed frequently, so that administrators can visualize up-to-the-minute status of their environment. Easy to access historical data helps administrators understand trends and patterns over time.

Based on industry standards

Administrators are equipped with out-of-the-box, open source industry standards-based tools for HPC data logging and graphing. Embedded tools like RRDTool and Cacti* let administrators take advantage of industry best practice immediately. This provides a complete reporting environment for monitoring your clusters without having to build it from scratch, shortening your time to productivity.

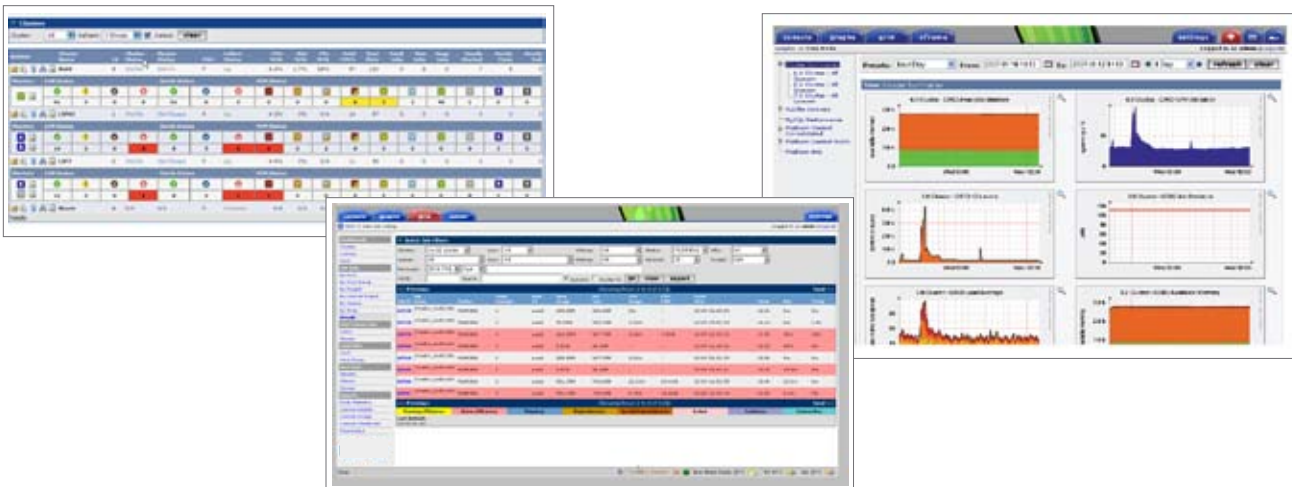
Flexible and extensible – protects long-term investment

Since administrators can extend and customize Platform RTM to cover site-specific monitoring and reporting requirements, your investment in Platform LSF and your HPC environment is protected for the long-term. Administrators have access to a large collection of templates covering hardware devices and applications in your infrastructure. This helps administrators to cover all potential points of failure without having to write any code.

Cost effective – cheaper to buy than to build

Platform RTM, with proven scalability to 1,000+ hosts, is pre-configured for quick deployment with your existing cluster environment. It eliminates the need for administrators to “compile-build-install” and “test-n-tune” home-grown solutions. Platform RTM is supported by Platform Computing, which ensures that you get regular upgrades with the most up-to-date features.

* Note: Cacti is an open source rrdtool-based graphing solution.
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For more information see <http://www.cacti.net>



The above screen shots show, from left to right: Platform RTM Cluster Dashboard View, Platform RTM Job Listing View and Platform RTM Cluster Summary Graph

Platform Computing is the leader in cluster, grid and cloud management software - serving more than 2,000 of the world's most demanding organizations for over 17 years. Our workload and resource management solutions deliver IT responsiveness and lower costs for enterprise and HPC applications. Platform has strategic relationships with Cray, Dell™, HP, IBM®, Intel®, Microsoft®, Red Hat®, and SAS®. Visit www.platform.com.

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