
Release Notes for Platform RTM for SAS

Platform RTM
Version 2.0.6
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Contents

Release Notes for Platform RTM for SAS	3
What's Platform RTM for SAS	3
Key features	3
What's Changed in Platform RTM 2.0.6	3
System requirements	4
Issues to consider	4
Known issues	5
Get technical support	5
Copyright	6

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What's Platform RTM for SAS

Platform RTM for SAS is an operational dashboard customized for the SAS Grid environment. It provides comprehensive reports for day-to-day administrative activities to allow the following:

- Efficient operations with high utilization and throughput by understanding types of workload and resource usage trends and patterns over time.
- Proactively increase user service level by quickly diagnosing and identifying issues.
- Flexible customization features for adding site-specific monitoring and reporting capacities.

Key features

The following is a list of key features in Platform RTM:

- **High availability (HA) applications:** View and configure high availability applications available to the clusters. You can add multiple high availability applications by grouping them together in one configuration.
- **LSF logs:** View LSF logs for any LSF hosts in the cluster.
- **LSF configuration:** Edit the most common LSF configuration files in a web-based GUI (the Platform RTM Console). You can also save different configurations and load them again to overwrite the current LSF cluster configuration.
- **Cluster/Host Dashboard:** Provide key performance metrics and status equipped with filtering, sortable columns, and color-coding for the cluster administrator to conduct a health check at a glance.
- **Detailed Job Information:** Track jobs by different groupings with job submission parameters and runtime resource consumption details.
- **Flexible Charting:** 38 built-in graph templates with support for auto-refresh, auto-regeneration, and side-by-side daily, monthly, weekly, and yearly charts for identifying historical trends and patterns.
- **Support for SNMP agent:** Extendable to monitor any SNMP device in the environment.
- **User-defined alerts and alert management:** Support for alert thresholds for any data source with configurable email notification.
- **Cluster Control:** Control your LSF cluster at the cluster?, host?, queue?, and job?level in a web?based GUI (the Platform RTM Console) without having to run LSF job control commands (such as `bstop`, `brun`, or `bkill`).

What's Changed in Platform RTM 2.0.6

Console

The Platform RTM 2.0.6 console has the following user interface changes:

- The HA Configuration page allows you to manage multiple high availability application configurations. You can create multiple configurations containing different high availability applications. You can also export or import configurations for different applications or clusters.
- The Grid LSF Configuration page now includes the Cluster Parameters, Batch Hosts, Batch Parameters, Batch Users, and Resource Allocation tabs. These tabs allow Platform RTM to edit the

`lsf.conf`, `lsb.hosts`, `lsb.params`, `lsb.users`, and `lsb.resources` LSF configuration files, respectively. This is in addition to the currently-existing Cluster Hosts, Resources, and Queues tabs, which correspond to the `lsf.cluster.cluster_name`, `lsf.shared`, and `lsb.queues` files, respectively.

- The configuration tabs in the Grid LSF Configuration page now feature time-based configuration for some fields and parameters. This allows you to set different values for these fields and parameters depending on the time.
- Platform RTM now allows you to view the LSF log files in LSF hosts. Navigate to the LSF Logs page by clicking By Host under the Management section of the Grid menu bar, then click the View Host Logs action icon for the specific LSF host. This page allows you to view or download the LSF logs, and also allows you to configure log levels for the specified host.

System

Platform RTM 2.0.6 has the following system changes:

- Platform RTM now supports Platform LSF 7.0.6.
- Platform RTM now supports Red Hat Enterprise Linux 6.
- If you have Platform RTM 2.0.1 installed, the Platform RTM 2.0.6 installer will automatically upgrade your version 2.0.1 installation to version 2.0.6, as long as you have not removed any of the components included with Platform RTM 2.0.1.
- The ISO installer for Linux now allows you to configure the network manually. In previous versions, the installer defaults to DHCP, requiring you to configure a static IP address after installation.

System requirements

Hardware requirements for Platform RTM 2.0.6 vary, depending on the number of hosts in the cluster, number of jobs daily, and the data retention period. The requirements below can comfortably support 500 hosts with 100,000 jobs and the default data retention settings.

Platform RTM 2.0.6 supports x86 and x64 architectures with a minimum of 2 GB of RAM and 40 GB of disk space, running one of the following operating systems:

- Red Hat Enterprise Linux 5.x
- Red Hat Enterprise Linux 6
- Windows 2008 Server
- Windows 2008 Server R2
- Windows 7

Platform RTM 2.0.6 supports the following browsers to access the Platform RTM Console:

- Internet Explorer 7 and 8 (Windows)
- Firefox 3.0 and 3.5 (Linux and Windows)

If you want to use Platform RTM to monitor clusters beyond these requirements, refer to the README. TUNING guide.

Supported LSF versions

Platform RTM 2.0.6 supports clusters running LSF versions 6.2, 7.0.2, 7.0.5, and 7.0.6.

Issues to consider

LSF ports that Platform RTM requires

Platform RTM 2.0.6 requires access to the LIM (load information manager) port. If you do not specify this port, Platform RTM will not be able to communicate with the LSF cluster.

The default LIM port is 6879 for LSF 6.2 clusters and 7869 for LSF 7.x clusters.

Platform RTM 2.0.6 does not need access to the `sbat chd` (slave batch daemon), `mbat chd` (master batch daemon), and `RES` (remote execution server) ports, as it does not need to communicate with these LSF components.

Known issues

For additional information on installation requirements or issues for your specific platform, refer to the *README for Installing RTM for SAS on Linux* or *README for Installing RTM for SAS on Windows*

Fixed installation directory

When installing Platform RTM, you cannot change the installation directory because it is fixed. The default installation directories are as follows:

- Linux: `/opt/rtm`
- Windows (32-bit): `C:\Program Files\Platform Computing\RTM`
- Windows (64-bit): `C:\Program Files (x86)\Platform Computing\RTM`

Cannot log on to Platform RTM

If your host name contains an underscore, you may have trouble logging on to Platform RTM using Internet Explorer (IE). For example, `http://rtm_host.platform.com/rtm`.

This is a known Internet Explorer issue.

To work around this issue, either remove the underscore from the host name or use any other browser other than IE.

Get technical support

Contact SAS

Contact SAS or your Platform RTM vendor for technical support.

We'd like to hear from you

If you find an error in any Platform documentation, or you have a suggestion for improving it, please let us know:

Email

doc@platform.com

Mail

Information Development
Platform Computing Inc.

3760 14th Avenue Markham
Ontario Canada L3R 3T7

Be sure to tell us:

- The title of the manual you are commenting on
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