

LAT SE 2.2 Release Notes

Build ID: LatSE-2.2-H06-2011-1216-0631-51

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Release Package: LatSE-2.2-H06-2011-1216-0631-51.tar

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Overview of Release 2.2

This release contains an important enhancement. A complete deployment consists of the installed release package and additional components.

Release Highlights

License Administration Tool—Script Edition (LAT SE) 2.2 supports processing of Single Line RBA (SLRBA) logs and Multi Line RBA logs for Integra Core and other Openwave products. In this release, the throughput calculations functionality of Media Optimizer has changed, and the report name has changed from GBPS to Throughput. For more information, see [Updated Features in Release 2.2](#).

LAT SE 2.2 supports processing of the log file formats, and the license measurement requirements of the products shown in the following table.

Table 1-1. Supported License Models and Log Formats

Product	Version	TPS	PHT	ASU	TPQ	TPSREG	TPQREG	TOTAL-REGION-TPS	TOTAL-REGION-TPQ	TPS Based PHT	Throughput	Single Line	Multi Line
Guardian	1.0, 1.1	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	1.2.1	Y	Y	Y	N	Y	N	Y	N	N	N	Y	Y
Guardian Anti-Virus	1.0, 1.1	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	1.2.1	Y	Y	Y	N	Y	N	Y	N	N	N	Y	Y
Integra	2.7	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	2.9	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	3.0	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	3.1.1	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	3.1.2.1, 3.1.2.3	Y	Y	Y	N	Y	N	Y	N	N	N	Y	Y
	3.2	Y	Y	Y	N	Y	N	Y	N	N	N	Y	Y
Location	2.5	Y	Y	Y	N	Y	N	Y	N	N	N	NA	NA
Media Optimizer	2.0	N	N	N	N	N	N	N	N	N	Y	N	Y
	2.1	N	N	N	N	N	N	N	N	N	Y	Y	Y
	2.2	N	N	N	N	N	N	N	N	N	Y	Y	Y
	2.3	N	N	N	N	N	N	N	N	N	Y	Y	Y
	3.2	N	N	N	N	N	N	N	N	Y	N	NA	NA
Mobile Messaging Gateway (MMG) Router Edition	3.2	N	N	N	N	N	N	N	N	Y	N	NA	NA
OpenWeb	5.7	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	5.8.1, 5.8.2	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	5.8.3.1	Y	Y	Y	N	Y	N	Y	N	N	N	Y	Y
Passport	2.0	N	N	Y	Y	N	Y	N	Y	N	N	N	Y
	2.1	N	N	Y	Y	N	Y	N	Y	N	N	N	Y

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Product	Version	TPS	PHT	ASU	TPQ	TPSREG	TPQREG	TOTAL-REGION-TPS	TOTAL-REGION-TPQ	TPS Based PHT	Throughput	Single Line	Multi Line
	3.1	N	N	Y	Y	N	Y	N	Y	N	N	Y	Y
Web Optimizer	2.0	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	2.1	Y	Y	Y	N	Y	N	Y	N	N	N	N	Y
	2.3.1	Y	Y	Y	N	Y	N	Y	N	N	N	Y	Y

NOTE For Passport SLRBA logs, LAT SE 2.2 release supports licensing only for transactions that contain PASSPORT_LICENSE_RECORD. For OpenWeb SLRBA logs, LAT SE 2.2 release supports licensing only for transactions that contain OWA records.

NOTE LAT SE backward compatibility means that it also supports earlier versions of these products.

NOTE This release does not support the rba.cfg and slrba.cfg files of LAT SE Release 2.1 and earlier versions.

Installation Overview

This release requires a full installation on the Solaris or Linux operating system. LAT SE 2.2 can be installed as a fresh installation, as well as an upgrade from LAT SE 2.1.

Before running the `install.sh` script, ensure that all the UNIX executables that are necessary to run LAT SE are present in any path present in the `$PATH` variable. For detailed instructions on installing and uninstalling LAT SE, see the *Openwave LAT SE 2.2 Installation Guide*.

Installation Prerequisites and Components

The following are system requirements, installation package contents, and other required and optional components.

Tarball Information

Tarball information is:

Filename : LatSE-2.2-HO6-2011-1216-0631-51.tar
Size : 27159552 bytes (26M)
Created : 2011-12-16 06:31 PST
MD5 sum : 2a639820421b4fbd61738930f64b416e
SHA1 sum : 8f96c6d939e19c0bb9ed8dfd824b3a9e69cd5613

Platform Requirements

The following are supported operating systems and other platform requirements.

Table 2. Operating Systems

Operating System	Version
Solaris (32-bit and 64-bit platforms)	5.10
Red Hat Enterprise Linux (32-bit and 64-bit platforms)	5.5
Red Hat Enterprise Linux (64 bit x86_64 platform)	6.1

Components in the Installation Package

The installation package contains the following third-party components.

Table 3. Third-party Components in the Installation Package

Component	Version
Perl	5.8.8 (Linux) 5.8.4 (Solaris)
Perl Module Crypt::RC4	2.02
Perl Module Data::Types	0.08
Perl Module Email::Date::Format	1.002
Perl Module Expect	1.21
Perl Module File::List	0.3.1
Perl Module Filesys::DiskFree	0.06
Perl Module IO::Pty	1.08
Perl Module IO::Tty	1.08
Perl Module IO::Zlib	1.10
Perl Module MIME::Lite	3.024

Table 3. Third-party Components in the Installation Package

Perl Module Net::SFTP::Foreign	1.51
Perl Module Trim.pm	1.01
gunzip, gzip	1.3 (on Solaris only)
md5sum	From RFC-1321, April 1992 (on Solaris only)

Updated Features and Documentation in Release 2.2

The following sections describe feature and documentation updates in this release.

Updated Features in Release 2.2

The following are updated features in this release.

Supports Throughput-based Licensing of Media Optimizer

This release supports throughput-based licensing of the following Media Optimizer logs:

- RBA—2.0, 2.1, 2.2, and 2.3
- SLRBA—2.1, 2.2, and 2.3

Throughput is the average number of megabits per second (MBPS) in the top N busiest 5-minute intervals. The value of N is the threshold number used for generating the report.

Throughput of Media Optimizer is the throughput of the traffic that is processed by the Media Optimizer for Optimization (counted as the pre-optimized throughput). Throughput is calculated from the un-optimized bytes depending on the source of the video.

Changes in Throughput Calculations of Media Optimizer

In this release, there are changes in throughput calculations of Media Optimizer.

Changes in Transform of Media Optimizer

In LAT SE Release 2.1, the end time of the transaction was considered as the timestamp. In Release 2.2, the following fields are considered for byte count:

Table 4. Fields considered for byte count

Source	Byte count for calculating Mbps
D (Dynamic)	internetBytesIn
C (Cached)	(OptimizedBytesSent / OptimizedSize) * OriginalSize

Video transactions span across reporting periods; for example, a video may be viewed for 12 minutes, thus spanning three 5-minute reporting periods.

In order to distribute the byte count proportionally for each 5-minute period, and thus assume a uniform bandwidth, "requestReceivedTime" from RBA record is considered as the start time, and "txnCompleteTime" from RBA record is considered as the end time of the transaction. From the start and end times, the number of intervals across which the transaction has spanned is determined. Bytes per second are calculated by dividing the total bytes for transaction by the total time of the transaction. The bytes per seconds are multiplied with the transaction time in each interval; this gives the byte count across each 5-minute interval of the transaction.

Renamed GBPS Licensing to Throughput Licensing

In this release, GBPS licensing is renamed to Throughput licensing. Therefore, its log file name has "throughput" instead of "gbps".

Though the name of the licensing model in Release 2.1 was GBPS, the actual calculation was represented in Mbps in reports. A megabit per second (Mbps) is a unit of data transfer rate equal to 1,000,000 bits per second.

Reporting Module Supports Throughput

In this release, the Reporting Module supports throughput.

The Throughput report contains the top *N* 5-minute throughputs of a quarter, and their average.

Volume in bytes is converted to throughput using the following formula:

Throughput (in Mbps) = Volume in bytes * 8 / (300sec * 1024 * 1024 bytes)

NOTE Records with VDO transactions (VDO entry in a record) are considered when calculating throughput.

Changed Default Configuration for Cleanup.cfg File:

In this release, changed the default configuration for the cleanup.cfg file from:

```
POLICY_DIRLIST=30:input:.* 450:data:.* 600:output:.* 30:logs:.*
```

to:

```
POLICY_DIRLIST=3:input:.* 450:data:.* 600:output:.* 120:logs:.*
```

Also changed the default value in the cleanup code.

Each entry in the POLICY_DIRLIST is separated from the next one by one or more spaces, and each entry has the form AAA:DDD:PPP, where AAA is the policy age in days, DDD is the directory path relative to LAT_DATA, and PPP is a regular-expression in the file path name.

By default, downloaded log files have a policy age of 30 days, transform output has a policy age of 450 days, license calculator reports have a policy age of 600 days, and log files have a policy age of 120 days.

Updated Documents in Release 2.2

The following are the updated documents in this release.

Openwave LAT SE 2.2 Administration Guide

This document describes how to administer Openwave LAT SE 2.2.

Openwave LAT SE 2.2 Installation Guide

This document provides instructions on installing and uninstalling Openwave LAT SE 2.2. This document also provides instructions on upgrading from and reverting to an earlier version.

Known Issues in Release 2.2

The following are the known issues in this release.

Issue 1321070

LAT SE cannot download RBA logs if any one of the mount points is not available.

Issue 1321176

Disabling schema name and product name in report.cfg generates "use of uninitialised ..." error.

Issue 1321204

The transform process displays a misleading error message on the command console if SUBSCRIBER_TRACING is enabled. No error message should be displayed, and an index file should be produced for each RBA log file that is parsed for Subscriber Tracing. This index file is in .gz format, and resides in the same directory as the RBA log file.

Resolved Issues in Release 2.2

The following issues were resolved in this release:

Issue 1300701

The level of transactions reported at VMU Integra were not sufficiently high because all the RBA logs were getting downloaded to the OAM node where the LAT SE process runs. In this release, there is a substantial level of download errors.

Issue 1311530

The reporting process was hanging if the MAX-TRANSACTION-BAND value in report.cfg was not an integral multiple of TRANSACTION-BAND-FREQUENCY. This issue is fixed in this release; the reporting process does not hang, and the ASU report is generated successfully.

Issue 1316220

Media Optimizer Reports were incorrectly labelled as OpenMedia. This issue is fixed in this release.

Getting Support and Sending Comments to Openwave

The Openwave support site lets you do the following:

- Create, browse, view, and update technical support issues. You can use filters to identify issues that require action.
- Browse and download product documentation.
- View the procedure for contacting technical support.
- Search for product tips and solutions in the knowledge base.
- View technical product alerts.

To access the support site

- 1 Go to <http://mysupport.openwave.com/>.
- 2 Log in using your support account credentials.

Reporting Issues

To report issues with <http://mysupport.openwave.com>, send email to mysupport-feedback@openwave.com.

To provide comments on product documentation, file a support ticket on <http://mysupport.openwave.com/>.

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