

Release Notes

Meta-View Agent and Host for Solaris – version D.05g

Introduction

The following sections list the enhancements and resolved issues for this release and for past releases. This document is available on the documentation page of the Lund website at:

<http://www.lund.com/support/documentation.html>

Summary of significant changes

D.05f is a maintenance release based on version D.05f.

Compatibility Matrix

Minimum versions of client/agent components:

MV Agent / Unix	MV Web	MV Alert	Performance Gallery Gold
D.05g	B.03e	A.01f	F.03c
D.04f	B.03e	--	F.03c
D.03 ^e	B.01j	--	--
D.01b	A.01o	A.01f	F.01g

Current Release

Version D.05g – Released August 10, 2005

This release is based on version D.05f.

Enhancements

SR#	Service Request Description
1323	Add support for installing start up scripts at /etc/init.d and symlinks to run levels.
1324	Removed support for Solaris 7. No longer supported.

Resolved Issues

SR#	Service Request Description
1366	Mvhost won't run on core system Solaris.

Product History

This product history lists enhancements and resolved issues in prior releases.

Version D.05f – Released July 12, 2005

This release is based on version D.05d.

Enhancements

SR#	Service Request Description
1322	Update Copyright date to 2005.

Version D.05d – Released April 19, 2005

This release is based on version D.05c.

Enhancements

SR#	Service Request Description
1244	On mvlogx network report more values are displayed as ***** because the space allocated for them is insufficient
1245	Cfg, discio, global, mem and netif reports are changed because many values have insufficient space allocated and are displayed as *****. Discio, global and netif reports are changed in order to use generic specification instance notation.

Resolved Issues

SR#	Service Request Description
1226	IPC information is not logged.

Version D.05c – Released March 28, 2005

This release is based on version D.05b.

Resolved Issues

SR#	Service Request Description
886	Same shortcut char 'O' was used for Global Menu and Oracle Menu. Changed the one for Global Menu to 'G'.
1198	Truncation of memory items on 64 bit platforms.

Version D.05b – Released January 18, 2005

This release is based on version D.04f.

Enhancements

SR#	Service Request Description
1144	Mvlogx reports do not support generic instance specification. Implemented a method to identify an instance by it's index (II#) in the report files, changed the oracle reports and fsspace.rpt.

Resolved Issues

SR#	Service Request Description
1179	Overflow of memory items in mvlogx mem.rpt screen. Items were printed as ***** in mvlogx report because of small display width.
1181	Values displayed as ***** because of wrong formatting in mvlogx reports.
1190	Oracle items are incorrectly logged. Changed the itemlist file to solve this issue.

Version D.04f – Released April 20, 2004

This release is based on version D.04a.

Enhancements

SR#	Service Request Description
285	The item descriptions for pwsitems/itemlist/pfgitems2 configuration files were reviewed and updated.
486	Changed directory names from "lps" to "lund" and the environment variables from LPS_* to LUND_*.
595	System wide configuration files can be set in /etc/opt/lund. If user configuration files are present than these will be the ones processed.
616	The limit for the number of exported PROCESS class instances was increased from 100 to 127 in mvlogx PGG extracts.
649	The mvAgent can retrieve performance data from Oracle 9 database.
650	The limit for the number of PROCESS class instances present in SL files was changed from 10 to 20.
657	The limit for the number of exported PROCESSOR class instances was increased from 10 to 64 in mvlogx PGG extracts.
778	The alert_config was improved and updated for the new mvdatad protocol version (1.2).
873	Mvdatad implements a new communication protocol version (1.2). Compatibility is maintained with existing clients that use version 1.1 of the communication protocol.

Resolved Issues

SR#	Service Request Description
90	mvlogx would not display all entries from a list of SL files with more than 23 files.
570	mvlogd would use wrong debug message in case it couldn't get the priority of mvmid because mvmid died.
604	mvAgent would quit if it encounters Fibre Channel devices.
622	mvAgent would dump core if the Oracle environment was not set up properly.
626	In mvlogx, PGG extracts from the PROCESS class values were not synchronized with the rest of the classes.
659	The unit measure for memory items in PROCESS class was changed from B to KB.
720	mvlogx would create bad PGG extracts if duplicate samples (same timestamp) exist in the SL file. This situation was encountered when SL files were created when the system clock was updated due to Daylight Saving Time.
778	The mvdatad alert_config configuration file was updated for the new mvdatad protocol (version 1.2).
831	Licensed code number was changed. New licenses must be issued for this release.
840	Mvlogd would quit with an error message: "Failed to read kstat nfs_stats io:No such device or address" when reading NFS stats data from kstat.
874	mvdatad would issue an invalid handshake response by including serverInfo tags when it should just return the handshake protocol version
875	mvdatad would issue an invalid response by not surrounding errorID with itemValue tags.
887	mvhost would not save Oracle instance information in the Oracle configuration file (orainst.cfg)
890	Invalid item name PROCESSOR-NICE was used instead of PROCESSOR-WAIT% in pfgitems file.
895	mvdatad would quit with SIGBUS on 64bit platforms, when 64bit values (e.g. Oracle items) were processed.
906	mvdatad.log would not be created with group owner set to LUND_GROUP
907	The debug file for Oracle module, lpsora.log would not be created with group owner set to LUND_GROUP and file permissions set to 664.

Version D.03c

Meta-View Performance Manager for Solaris version D.03c is based on version C.02d. The version number was increased to synchronize with the release of Meta-View Performance Manager for HP-UX.

Enhancements

SR#	Service Request Description
238	<p>Changed the communication protocol.</p> <p>A new client/server protocol is now used to communicate with Meta-View clients (Web, Mobile, Performance Gallery Gold). The new communication protocol version is 1.1. It is an incompatible upgrade of the previous 1.0 version. As such, only new Meta-View host and clients can communicate with each other.</p>
255	<p>Changed handshake protocol version. The new handshake protocol has been updated to version 1.1. This enhancement supports host authentication and also provides OS information to Meta-View clients. This part of the protocol update is backwards compatible, to allow older clients to retrieve the server version information.</p>
257	<p>Improved short tag support.</p> <p>This enhancement was required for compatibility with Meta-View Mobile. Short tags are now supported for the communication and handshake protocols.</p>
282	<p>New items for all data classes in returned information. Two new items have been added to the return data for all host classes: SAMPLE_TIME date/time value for the sample (monitored host time) and ELAPSED_TIME elapsed time since the previous sample (measured in milliseconds)</p>
283	<p>New command line switch added to mvdatad. The command line switch -i has been added to allow the user to select which pwsitems configuration file to be used by the Meta-View Agent (mvdatad).</p>
284	<p>The name set used to identify unified names was changed from "beta" to "prod1". This change is incompatible with older PWT versions.</p>
285	<p>Changed structure of the pwsitems configuration file. The pwsitems file now includes class information.</p>
289	<p>Added a new class called PROCESSOR. A new class named PROCESSOR was added to provide performance information for every processor on a system. Previously, this information was contained in Performance Gallery Gold data (.pfg) files.</p>
302	<p>New scripts added to watch over Meta-View processes.</p> <p>Two new scripts have been added to Meta-View Host and can be found in the contrib/bin directory. They are: mvwatchdog and mvwatchlog.</p> <p>The scripts will restart the Meta-View data logging daemon (mvlogd) and the Meta-View Agent (mvdatad) as needed and send an e-mail to watchdog@lund.com with the error found.</p> <p>The mvwatchlog monitors only the logging and data collection processes, while mvwatchdog also attempts to monitor interaction with the Meta-View Host application (mvhost).</p>

Issues Resolved

SR#	Service Request Description
162	<p>Fixed the warning message for empty lines in the license file. An unnecessary warning message was displayed when an empty line was found in the license file. This has been corrected.</p>
286	<p>Fixed the value returned with the NFS-IP-ADDR item. This item is now returned as a string value. Previously it was returned as a 32-bit integer. This item contains the IP address of the host system using dot notation.</p>
290	<p>Fixed a mvlogx defect in report generator when displaying longint items. Previously the log extractor (mvlogx) was unable to display reports containing items of the longint type. This has been corrected</p>
291	<p>Fixed a mvlogx defect in report generator when aligning entries. A report generation error in the log extractor (mvlogx) caused the incorrect alignment of reports containing longint data items, including Oracle data items. This has been corrected.</p>