Release Notes

De-Frag/X Disk Manager – version C.05f

Introduction

This set of release notes contains a product history of the De-Frag/X product by Lund Performance Solutions, version C.01a to the present.

The following sections list the enhancements and resolved issues for this release and for past releases. This document is available on the Meta-View Performance Manager Product CD, and on the documentation page of the Lund website at:

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

Current Release

Version C.05f – December 16, 2004

This release is based on version C.04h.

Enhancements

SR#	Service Request Description
876	Greater than 4GB support on ldev 1 on 7.5 or greater.
N/A	Increased size of max disk from 160GB to 340GB

Resolved Issues

SR#	Service Request Description
812	Although SR# 758 has successfully addressed all of the mirrored disk drives, DeFrag/X was still reporting the same errors for drives that are NOT mounted or in a LOANER state. DeFrag/X was be modified to IGNORE all drives that are NOT in a production state with either MASTER or MEMBER for the status when condensing.
1140	Unexpected escape: $000c006d error no longer shows up - fixed
1142	Unexpected error in d_f $ffe1006b error no longer shows up - fixed

Product History

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

Version C.04h – March 16, 2004

Resolved Issues

SR#	Service Request Description
N/A	Additional tracing added
758	Customers would have seen error messages like: "Bad extent: (extent not all perm)" on mirrored systems. The cause was DefragX trying to analyze the extent lists on both mirrored devs even though it should have done it for just one of them. However, the data on customers systems remained unaffected.

Version C.04f – Released January 29, 2004

Resolved Issues

SR#	Service Request Description
490	Added a DefragX option to prevent messages for SR 490 fixed in version 04d from being written to the HISTORY.DEFRAGX file. The option is OPTIONAL_MESSAGES and it can be activated and deactivated using the SET and RESET commands in DefragX. When OPTIONAL_MESSAGES is set, DefragX puts the SR5 messages in the history files. By default it doesn't.
625	Defragx would have exited with an "Unexpected escape: $000e006d" error message due to an internal trap. This situation occurred if there was an unmounted device on the system and a "discfree all graphics" command was given.

Version C.04e – Released December 1, 2003

Resolved Issues

SR#	Service Request Description
620	Defragx would cause a system abort if it would have encountered an error while performing a transaction. The cause of the SA was that DefragX uses a transaction managed file for logging and when it would have tried to log the error while it was in the transaction the SA would have occurred. MPE does not allow a process to have two managed transactions concurrently, so it would have failed.

Version C.04d – Released October 7, 2003

Resolved Issues

SR#	Service Request Description
489	Defrag/x will now use the version 3 licensing just as Meta-View Agent for MPE version I.02b.
490	When Defrag/x encountered a file that was mapped into SR5 space, it would print a message such as; Bad/damaged GUFD at $ca244988: file mapped into SR5 space (b_f_e_l fail ($fffffff5, $fffffff9) for $86.$2ca600) ($05670006 $12905d76 $002ca6ce $52841096 $4c3eb78b) failed to build extent list for (label @ $86.$2ca600) ($fffffff5) (file label @ $86.$2ca600) SR5 files are legitimate and do not cause a problem for Defrag/x. The message was issued as a reminder of a patch needed in earlier versions of MPE, but no longer necessary. As of this version, these messages will be logged in the history file of Defrag/X (HISTORY.DEFRAGX.LPS) for troubleshooting purposes.

Version C.04c – Released April 14, 2003

Enhancements

SR#	Service Request Description
N/A	Enhanced to run on MPE/iX 7.5.
N/A	Added DUMP option to SSM command.
N/A	Added DUMPWORTHY option to DUMPPF command.
N/A	Added DUMPWORTHY option to ANALYZE command.

Resolved Issues

SR#	Service Request Description
N/A	Reduced logging for ordinary "cannot frag" or "cannot defrag" messages.

Version C.03t – Released August 20, 2001

Enhancements

SR#	Service Request Description
N/A	Changed to report all disc devices (and their sizes) that are larger than De-Frag/X can currently handle. Increased the maximum disk size that it can handle to 160 GB, and added some ability to continue running even if it finds a drive larger than that.

Version C.03p – Released November 20, 2001

Resolved Issues

SR#	Service Request Description
N/A	Adds JDEFRAGX back into the distribution.
N/A	Changed De-Frag/X to avoid trying to open/close files that have bad information in their allocated GUFDs. Changed our open routine to notice and reject such open requests, should any slip by our higher-level checks.
N/A	Provides a fix to the progress reporting for the ERASEDISK command. The C.03k version will report incorrect progress if you do an "ERASEDISK...THOROUGH."
N/A	SHOWVSET is reporting the content of an MPE-maintained variable, the MVST (Mounted VolumeSet Table). We have no control over that variable having correct information. SHOWVSET will now count the number of volumes *we* think are mounted in each volume set and display that number if it differs from the HP value.

Version C.03i – Released July 18, 2001

Resolved Issues

SR#	Service Request Description
N/A	Compliant with MPE/iX 7.0.
N/A	Fixed problem with TRIM (and implied TRIM) where we incorrectly thought files were reserved files (problem introduced in version C.03f).
N/A	Fixed soft_fail in condense/makeroom to better track why we failed to move a chunk of a file.
N/A	Fixed problem with map aborting.
N/A	Added check for corrupted gufds.
N/A	Added check to avoid some reserved files.
N/A	Added report of STORE flags in ALTFILE.
N/A	Fixed bug in "analyze...sort".
N/A	Fixed "failed to arm control-Y" problem in batch.
N/A	Sped up WHOUSE VS option.
N/A	Added new control-Y handling.
N/A	Removed pre-5.0 support.

Version C.02d – Released February 16, 2001

Enhancements

SR#	Service Request Description
N/A	Added breakdown of permanent and transient pages to MEMMAP SUMMARY.
N/A	Added PURGELABEL command and clarified PURGEUFID command.
N/A	Added SCORE# to CONDENSE and BALANCE commands.
N/A	Added SCOREDISK command.
N/A	Added VSETNAME and VSETLDEV commands.
N/A	Added WHOUSE command.

SR#	Service Request Description
N/A	Changed MEMMAP SUMMARY to show "P" for Perm and "t" for transient.
N/A	Enabled SFE to show up in the SET listing.

Version C.02c – Released February 2, 2001

Enhancements

SR#	Service Request Description
N/A	Added CLONE RAW, which is twice as fast as CLONE.
N/A	Added SCRATCHDISK.
N/A	Added VERIFYVOL.
N/A	Added WDB (experimental and undocumented command, "Whole Disk Backup to/from tape").
N/A	Increased speed of CONDENSE (approximately five times faster). NOTE This feature is turned on by doing SET SFE. This item does not yet show up in a SET listing for this beta release. This will be enabled by the production release.

Version C.02b – Released January 26, 2001

Enhancements

SR#	Service Request Description
N/A	Added "SET SFE" to test accelerated CONDENSE.
N/A	Added ANCIENT (or OLD) and FUTURE flags to DUMPFI.
N/A	Added code to better handle Large Files on 6.5 and later.
N/A	Added PPROTECT flag to ALTFILE.
N/A	Expanded size of file_info_flags from 16 bits to 32 bits. (This means we use 2 bytes more storage for each file we see.)
N/A	Switched back to DEFRAGX.LPS as home group.

Version C.02a – Released January 18, 2001

Enhancements

SR#	Service Request Description
N/A	New security module.

Version C.01f – Released January 17, 2001

Enhancements

SR#	Service Request Description
N/A	Added "SET SECTORS" to control whether pages or sectors are wanted on displays. NOTE: Not complete yet. Some "pages" still come out in various places.
N/A	Added ABORT/NOABORT to CLONE, and error-retry for read errors.
N/A	Added BADSECTORS option to DSTAT.
N/A	Added code to support quarantined files.
N/A	Added FINDBLOCK.
N/A	Added MPS># and EXTENTS># (and <) to ANALYZE command.
N/A	Added code to check if a file is "recent" (alloc/create/modify) after star of De-Frag/X run and before one day from now.
N/A	Added code to more stringently check for hard linked files, and reject them for condense/move-off. (See handle_overlap.)

Resolved Issues

SR#	Service Request Description
N/A	Fixed minor bug in DSTAT output for LONER volumes.
N/A	Suppressed "Unable to trim" for files that we didn't get write access to (for example, @.MPEXL.SYS).
N/A	Won't condense/move-off recent files.

Version C.01e – Released November 22, 2000

Enhancements

SR#	Service Request Description
N/A	Added MPE 7.0 support.
N/A	Added "SET CODETRAP" to help find unexpected traps.
N/A	Increased maximum number of extents to 25,000 from 11,000.

Version C.01d – Released November 16, 2000

Enhancements

SR#	Service Request Description
N/A	Increased max disk to 80 GB.

Resolved Issues

SR#	Service Request Description
N/A	Fixed bug reporting wrong LDEV when bad ldev provided.

Version C.01c – Released September 27, 2000

Enhancements

SR#	Service Request Description
N/A	Added PUGEUFID command.

Resolved Issues

SR#	Service Request Description
N/A	Fixed FINDPAGE/FINDSECTOR that were probably broken in C.01b.

Version C.01b – Released May 26, 2000

Enhancements

SR#	Service Request Description
N/A	Minor change to whatmpe.

Version C.01a – Released 04/05/2000

Enhancements

SR#	Service Request Description
3233	Added MPE/iX 6.5 support.
N/A	Added code to cache fwrites to stdlist/hist/log until current XM transaction is done.
N/A	Added code to make CONDENSE/MAKEROOM skip files that changed since we started the run.
N/A	Added DEFRAGXVARS.