

**Read Before Installing
MPE/iX Release 7.0 PowerPatch 3
Software Release (C.70.03)**

HP e3000 MPE/iX Computer Systems

Edition 5



Manufacturing Part Number: 30216-90354

E0405

U.S.A. April 2005

Notice

The information contained in this document is subject to change without notice.

Hewlett-Packard makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Hewlett-Packard shall not be liable for errors contained herein or for direct, indirect, special, incidental or consequential damages in connection with the furnishing or use of this material.

Hewlett-Packard assumes no responsibility for the use or reliability of its software on equipment that is not furnished by Hewlett-Packard.

This document contains proprietary information which is protected by copyright. All rights reserved. Reproduction, adaptation, or translation without prior written permission is prohibited, except as allowed under the copyright laws.

Restricted Rights Legend

Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013. Rights for non-DOD U.S. Government Departments and Agencies are as set forth in FAR 52.227-19 (c) (1,2).

Acknowledgments

UNIX is a registered trademark of The Open Group.

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304 U.S.A.

© Copyright 2005 by Hewlett-Packard Company.

1. Announcements for MPE/iX Release 7.0

PowerPatch 3 (C.70.03)

Note Regarding MPE/iX Beta Test Patches 5

2. Information to Read before Installing MPE/iX 7.0 PowerPatch 3

Predictive Changes SYSSTART during UPDATE 7
Customers Currently using the HAFO Product on 6.5 or 7.0 8
WebWise Replaces Apache in FOS 8
Sendmail for MPE/iX 9
For Samba Users: Special Installation Instructions 9
CR# JAGad62997 / 8606193787 9
CR# JAGaf56631 / 8606396648 9
CR# JAGaf58821 / 8606398856 10
CR# JAGae78289 / 8606315566 11

3. Patch Information for MPE/iX 7.0 PowerPatch 3

1 Announcements for MPE/iX Release 7.0 PowerPatch 3 (C.70.03)

Note Regarding MPE/iX Beta Test Patches

HP has created a new web site listing MPE/iX patches that are in Beta Test (BT) status, and we are seeking customer volunteers to test the patches. Beta Test patches have been tested inside HP, at a minimum. But patches must be tested at one or more customer sites before they are ready to move to General Release (GR) status. The patches available for download at the HP IT Resource Center, for example are GR patches. The web site can be found at:

<http://jazz.external.hp.com/src/patches/>

If you are interested in testing any of the listed patches, please contact your local Response Center to request the patch(es).

Note Regarding MPE/iX Beta Test Patches

2 Information to Read before Installing MPE/iX 7.0 PowerPatch 3

Predictive Changes SYSSTART during UPDATE

Due to some customer sites having multiple startup directives in `SYSSTART.PUB.SYS`, the job that installs Predictive has been modified to recognize this. Previously, this Predictive job would just add the "STREAM JPSMON.PRED.SYS" line to the end of `SYSSTART`. Now, the job modifies the `SYSSTART` file as follows:

1. Gather `STREAMS` device and printer queue for `STREAMS` and `OPENQ` commands if needed.
2. If `SYSSTART.PUB.SYS` does not exist, a new `SYSSTART` file is created on `ldev 1` with the following contents:

```
STARTUP
**
WARMSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
**
COOLSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
****
```

3. If a `WARMSTART`, `COOLSTART`, `RELOAD` or `UPDATE` section exists and has commands, AND there are no other `STREAM` commands AND there are no `STARTSESS` to `OPERATOR.SYS` commands, then do not modify the `SYSSTART` file.
4. If a `WARMSTART`, `COOLSTART`, `RELOAD` or `UPDATE` section exists and has commands, AND there are no other `STREAM` commands AND there are no `STARTSESS` to `OPERATOR.SYS` commands, then do not modify the `SYSSTART` file.
5. The command `STREAM JPSMON.PRED.SYS` is removed from the `STARTUP` section and added to the `WARMSTART` and `COOLSTART` sections. If no `WARMSTART` and `COOLSTART` sections exist, they are created and contain these commands:

```
**
WARMSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
**
COOLSTART
OPENQ LP
STREAMS 10
STREAM JPSMON.PRED.SYS
****
```

If the file `NOSYSST.PRED.SYS` exists, it prevents the Predictive job from doing any `SYSSTART` file processing during installation. Therefore, if you do NOT want the "STREAM JPSMON.PRED.SYS" command added to your `SYSSTART` file, create the `NOSYSST.PRED.SYS` file with a build command.

```
BUILD NOSYSST.PRED.SYS;DISC=1
```

Customers Currently using the HAFO Product on 6.5 or 7.0

Before the creation of the MPEMXG9 and MPEMXH5 patches, the use of HAFO was only supported for customers using the XP256 SCSI Disk Array. With these patches, included in C.70.03, there are significant changes to the HAFO product including the format of the HAFOCONF configuration file. If you are updating from 6.5 OR, have not previously installed MPEMXG9 and MPEMXH5 (or superseding patches), then you will lose your HAFO configuration unless you follow the steps outlined below.

(The following text is extracted from the new “High Availability FailOver/iX Manual” for 7.0 and 7.5 which can be found at: <http://docs.hp.com/en/mpeixall.html#MPE/iX%20High%20Availability>).

The structure of the HAFOCONF file used by the 7.0 & 7.5 version (supporting Fibre Channel devices) has changed from that used by the 6.5 version (for use with XP256 only). **BEFORE UPDATING** to 7.0 or 7.5, you should dump the output of the `SYSGEN ha> LISTCONF` to an ASCII file.

Then, edit the file down to just the lines that list your LDEVs along with their primary and alternate paths. This list, with “AD” inserted, can then be used as the core of an input file for SYSGEN on 7.0/7.5 to create a new HAFOCONF:

For example, a file containing the following commands, passed to SYSGEN as input, would create a HAFOCONF file with Ldevs 450-453 using the HBA pair at 0/6/2/0 and 0/6/2/1. These commands also perform the necessary “hold” and “keep” commands to make this change permanent.

```
permyes on
io
ha
ad 450 0/6/2/1.3.3 0/6/2/0
ad 451 0/6/2/1.3.4 0/6/2/0
ad 452 0/6/2/0.3.5 0/6/2/1
ad 453 0/6/2/0.3.6 0/6/2/1
exit
hold
exit
keep
exit
```

Any MPE/iX Customer using the HAFO product after installing C.70.03 must refer to the 7.0 and 7.5 HAFO manual rather than the 6.5 version.

WebWise Replaces Apache in FOS

Before installing or using the HP WebWise MPE/iX Secure Web Server product on MPE/iX 7.0 PowerPatch 3, please read the WebWise article in the Communicator Addendum for Release 7.0 PowerPatch 3 or visit <http://jazz.external.hp.com/src/webwise/> for important instructions regarding migration from older web server versions.

Sendmail for MPE/iX

Before installing or using the HP Sendmail product on MPE/iX 7.0 PowerPatch 3, please read the Sendmail article in the Communicator Addendum for Release 7.0 PowerPatch 3 or visit <http://jazz.external.hp.com/src/sendmail/> for important installation instructions.

For Samba Users: Special Installation Instructions

Before installing or using the Samba/iX product on MPE/iX, please visit <http://jazz.external.hp.com/src/samba/> for important installation instructions.

CR# JAGad62997 / 8606193787

Shut4 20 Min Hang on Shutdown due to tepsip not Terminating

If the Support Tools Manager (STM) is not shutdown prior to doing a =SHUTDOWN, then the =SHUTDOWN will pause for 5 minutes or longer between the Shut4 and Shut6 messages, for example:

```
Shutdown of system processes begins (Shut 4)
/*5 minute or longer pause */
Shutdown of operating system complete. (Shut 6)
```

To avoid this delay, shutdown STM before the network is stopped by entering the stmshut command in cstm.

```
cstm
cstm>stmshut
cstm>exit
:nscontrol stop
:netcontrol stop
=SHUTDOWN
```

CR# JAGaf56631 / 8606396648

SAMBA I job fails when trying to install on top of newer SAMBA version

If you are updating to C.70.03 on a system where Samba 2.2.8a has been previously installed, the Samba 2.0.7 I00IAMBA installation job (launched as part of the C.70.03 update process) may fail due to product account structure differences. Simply ignore the failure and continue with the PowerPatch update process so that the SMBMXG3B and SMBMXR5B Samba patches will be installed. To do this, edit the I00IAMBA installation jjob to contain only the JOB and EOJ lines. Then resume the update as per the *System Software Maintenance Manual*.

CR# JAGaf58821 / 8606398856

HAFO Errors while Booting

As a result of the inclusion of MPE/iX Patches MPPEMXG9 and MPPEMXL5 in C.70.03, the FOS High Availability FailOver product components are automatically installed on all systems. This may, temporarily, result in non-harmful error messages being printed on the system console during system boot activities.

Specifically, after ISL>START, the MPE/iX OS will attempt to open configuration files, if a HAFOCONF file is not part of the configuration group then the system will report this via the following error messages:

```
ISL> start norecovery nosysstart logon=manager.sys
```

```
MPE/iX launch facility
```

```
Initialize_genesis - Ver bld1: <<pci 2.1601>>
```

```
THU, MAR 31, 2005, 12:44:30 PM (y/n)? y
```

```
. . . ( Various messages ) . . .
```

```
Create port process has been completed.
```

```
ERROR - Opening the file: %hafoconf.CONFIG.SYS% failed!
```

```
status - subsys: #150 info: #-169
```

```
ERROR - Unable to save necessary configuration files!
```

These errors can be ignored if you are not using the HAFO product. They may also be easily eliminated by creating a dummy HAFOCONF file in the current system configuration group with the SYSGEN utility. The following is an example of the SYSGEN commands that will create a HAFOCONF file in the current configuration group, user input in bold type:

```
CSYLE18<PUB.SYS>:sysgen
```

```
sysgen> io
```

```
io> hold
```

```
io> exit
```

```
sysgen> keep
```

```
keeping to group CONFIG.SYS
```

```
Purge old configuration (yes/no)?y
```

```
** configuration files successfully saved **
```

```
sysgen> exit
```

For more information on HAFO please refer to the *High Availability FailOver/iX Manual* for MPE/iX 7.0, MPE/iX 7.5 which is located at: <http://docs.hp.com/en/mpeix-all.html#MPE/iX%20High%20Availability>.

CR# JAGae78289 / 8606315566

:STMSHUT sometimes unable to completely close daemon

During certain installations of the PowerPatch, an installation job has been found to fail due to the inability of the diagnostic monitor to completely shutdown. The symptom of the problem is that the job I0231900 will abort, which will trigger the installing tool (usually HPINSTAL) to systematically abort. Within the spoolfile of this jobstream, the following failure text is seen:

```
:purge /usr/lib/libmcats.sl
EXCLUSIVE VIOLATION: FILE ACCESSED EXCLUSIVELY (FSERR 91)
Unable to purge file "/usr/lib/libmcats.sl". (CIERR 384)
REMAINDER OF JOB FLUSHED.
```

This condition can be resolved, and the installation can be resumed, by following these steps (user entries are in bold below):

1. Kill the diagmond daemon.

From MANAGER.SYS,

```
:run sh.hpbin.sys
$ ps -ef | grep diagmond
```

The above command should return a line similar to this:

```
0 65584 1 0 Jan 01 1:10
/usr/sbin/stm/uut/bin/sys/diagmond
    ^^^^^
```

Note this number. It is the pid number of the process that needs to be killed. Issue the `kill` command for this pid:

```
$kill 65584          (for pid# 65584)
```

Now, verify that the process has been aborted, by repeating the 'ps' command:

```
$ ps -ef | grep diagmond
```

There should not be any entries returned; merely a line-feed. If the entry is still showing, use this `kill` command:

```
$kill -9 65584      (for pid# 65584)
```

2. Resume the installation. Run the installer program again. Make sure you are in the `INSTALL` group, and issue the `run` command.

```
:run hpinstal
```

The installation process will detect where it left off, and will resume from that point.

3 Patch Information for MPE/iX 7.0 PowerPatch 3

The following table provides a list of patch index numbers and a description of the patch.

Patch Index	KPR Number	Description
ACCGDV6A	8606-205407	GENERAL FIXES FOR ACC COMMON ON MPE/IX 7.0 (E0) PATCH
	8606-199867	
	8606-185304	Supersedes: ACCGDJ1A ACCGD85A ACCGD50A ACCGD23A
	8606-189707	
	8606-180642	
	8606-256206	
	8606-239419	
	8606-239328	
	8606-231571	
	8606-223348	
	8606-220803	
	8606-213629	
	8606-239915	
APPGDE0A	1653-083048	PATCH TO PROVIDE TIMESTAMPS TO APPC LOGGING MESSAGES ON 7.0
ARMMX56A	8606-214147	ARMSERVER ALIGNMENT TRAP
	8606-212870	
		Supersedes: ARMLXY7B ARMLXW9A ARMLX35D
ATCMXA2B	8606-268025	ATC CURSOR GIVES INTERNAL ERROR 852077
		Supersedes: ATCMX10B ATCLXV7B ATCLXV1A ATCLXP6B ATCLXH6B
BBRLXJ1C	8606-180350	BUSINESS BASIC DEC. LIBRARY FIX FOR UNINIT ERR PARM IN BB_DEC_TO_DBL
BBXMXA3B	8606-268101	BUSINESS BASIC/IX COMPILER A.00.24: FIX BUGS IN SELECT
	D500-154029	

Patch Information for MPE/iX 7.0 PowerPatch 3

Patch Index	KPR Number	Description
BROLXY0C	8606-216551 8606-216564 8606-216571	HPBROWSE/IX 36384A.00.06 HFS FILENAME AND BYTE-STREAM FILE SUPPORT Supersedes: BROLXR2C
BT1GD36A	8606-180611	GENERAL FIXES FOR NIO 100BT LINK (B5427BA) ON MPE/IX 7.0 (A0) PATCH
CMLMXF0A	8606-220203 5005-040253	PASCAL/V 32106A.01.33 & MODCAL/V 32047A.00.05 RUN-TIME LIBS BIGPIN FIX Supersedes: CMLMX62A CMLMX03A
COBMXJ7B	8606-315718	COBOL II/IX OPTIMIZE=1 CAN CAUSE DATA CORRUPTION (BLANKED BYTE) Supersedes: COBMXB0B
CONHD94A	8606-364659 8606-244263 5003-164293 8606-214376 8606-178938 8606-183826	GENERAL FIXES FOR NIO CONSOLE ON MPE/IX 7.0 (D) PATCH Supersedes: CONGDL5A CONGD98A CONGD15A
DTSGDJ4A	8606-201933 8606-234658 8606-180504 8606-199705 8606-183803 8606-184727 8606-185290 8606-142450 8606-152736 8606-131764	DTS 7.0, NMDUMP NOT FORMATTING AFCP PROTOCOL IN 100BT AND PCI LINKS. Supersedes: DTSGDF9A DTSGDE4A DTSGDA9A DTSGD89A
EDTMXF7B	8606-284606	HP EDIT A.02.36: FIX PROBLEM WITH SPOOL FILE DISPLAY AND SAVE. Supersedes: EDTMX95B EDTMX71B

Patch Index	KPR Number	Description
FDDGDV7A	8606-101907	GENERAL FIXES FOR FDDI DRIVER ON ON MPE/IX 7.0 (C0 PATCH)
	8606-249501	
	8606-201933	Supersedes: FDDGDK1A FDDGD46A
FRIMX47B	8606-215725	FIX FOR RPCD AND FIX FOR DBOPEN() SYMBOL IN DCEXL
	8606-232661	
		Supersedes: FRILXX7A FRILXH1B
FTP67A	8606-331712	GENERAL FIXES FOR FTP FOR 7.0 RELEASE (M PATCH).
	8606-328875	
	8606-299250	Supersedes: FTP67A FTP67B FTP67C FTP67D FTP67E FTP67F FTP67G FTP67H FTP67I FTP67J FTP67K FTP67L FTP67M FTP67N FTP67O FTP67P FTP67Q FTP67R FTP67S FTP67T FTP67U FTP67V FTP67W FTP67X FTP67Y FTP67Z
	8606-289803	FTP67A FTP67B FTP67C FTP67D FTP67E FTP67F FTP67G FTP67H FTP67I FTP67J FTP67K FTP67L FTP67M FTP67N FTP67O FTP67P FTP67Q FTP67R FTP67S FTP67T FTP67U FTP67V FTP67W FTP67X FTP67Y FTP67Z
	8606-273530	FTP67A FTP67B FTP67C FTP67D FTP67E FTP67F FTP67G FTP67H FTP67I FTP67J FTP67K FTP67L FTP67M FTP67N FTP67O FTP67P FTP67Q FTP67R FTP67S FTP67T FTP67U FTP67V FTP67W FTP67X FTP67Y FTP67Z
	8606-124994	
	8606-224234	
	8606-230026	
	8606-231617	
	8606-250162	
	8606-250495	
	8606-256482	
	8606-267935	
	8606-269614	
	8606-269712	
	8606-270473	
	8606-276240	
	8606-281685	
	8606-284297	
	8606-287785	
	8606-293906	
	8606-294908	
	8606-297039	
	8606-299646	
	8606-299968	
	8606-300719	
	8606-300832	

Patch Index	KPR Number	Description
	8606-302727	
	8606-213959	
	8606-212581	
	8606-214235	
	8606-183738	
	8606-187118	
	8606-138260	
	8606-143977	
	8606-173012	
	8606-170528	
	8606-172992	
	8606-178095	
	8606-178930	
	8606-125285	
	8606-172033	
	8606-130089	
	5003-224923	
	8606-199287	
	8606-145107	
	8606-189630	
	8606-187862	
	8606-204821	
	8606-310306	
FWSLXT5C	8606-201006	PROVIDE REV. 3728 FIRMWARE FILE FOR 28696A FW SCSI DEVICE ADAPTER
INFKXH6D	D500-387787	INFORM 32246A.11.04 FIX PARENT/CHILD ITEM NOT IN ANY DATA SET OR FILE
INTHD63A	8606-325249	GENERAL FIXES FOR INTERSRV PRODUCTS ON MPE/IX 7.0 (D)
	8606-156115	
	8606-169406	Supersedes: INTHD60A INTGDG2A INTGD33A
	8606-183008	
	8606-230083	
	1653-202150	
	8606-326191	

Patch Index	KPR Number	Description
ITOED07C	4701-401919	PROVIDE 5.5 FUNCTIONALITY IN XL.PUB.SYS FOR 6.0 & 6.5 HP3000 ITO AGENT
JAVLXP4F	4700-000000	JAVA SDK VERSION 1.3
JDBLXU8C	8606-132652 8606-179196	JDBC SHOULD BE ABLE TO HANDLE TRANSLATIONS UNICODE<->ROMAN8 Supersedes: JDBLXB6B
LANGDV8A	8606-230463 8606-201933 8606-245136 8606-266676	GENERAL PATCH FOR 7.0 PUSH LAN/XL LINK & TOKEN RING DRIVER (AB) Supersedes: LANGDH6A
LAPGDN8A	8606-260739	GENERAL FIXES FOR LAPB DRIVER ON MPE/IX 7.0 (B0)
LNCGDN2A	8606-196056 8606-257355 8606-156646	GENERAL FIXES FOR LINK COMMON ON MPE/IX 7.0 (B0) PATCH Supersedes: LNCGD27A
LNKMX05A	4701-414060 8606-209531	LINKEDIT A.06.21: VT PERFORMANCE AND ALTXL/ALTPROG STRING SPACE FIXES
LSSGDJ7A	8606-222304	GENERAL FIXES FOR LSS/IX ON 7.0 (A PATCH)
MCMGD67A	8606-127018 8606-157863	GENERAL FIXES FOR MCM ON MPE/IX 7.0
MIRMXP7B	8606-351194 8606-362119	MIRVUTIL CONTIGVOL IMPROVEMENTS; SA2188 DURING SHOWUSERLOG COMMAND Supersedes: MIRMX14A
MPEKXE4D	4701-392282 5003-419721	PLFD ENTRY_OWNER_PIN BEING LEFT LOCKED IN THREADED APPS.

Patch Information for MPE/iX 7.0 PowerPatch 3

Patch Index	KPR Number	Description
MPELX53D	8606-129050 8606-141904	AIFSYSWIDEGET W/ITEMS 6001, 6201 DOESN'T RETURN ALL USERS/GROUPS/ACCTS
MPELX63B	4701-136457 5003-117184	DEFINITION OF AIFACCTPUT IN AIFINTR FILE CAUSES PROBLEMS WITH C.
MPELX67C	8606-131939	HPDATECONVERT DOES NOT ACCEPT A VALID OUTPUT DATE PARAMETER
MPELX68B	8606-140041	CALLING NM CKERROR CAUSES DATA MEMORY PROTECTION TRAP
MPELX80E	8606-130903	KSAM/IX DOESN'T ALLOW ERASE ACCESS WHEN OPEN FOR READ.
MPELX88B	8606-131451	AIFFILELPUT ITEM 4101 DOES NOT RECOGNIZE LARGEFILES.
MPELXD0C	8606-145242	HANG - LOOP IN XM_GET_GUFD_ACTIVE_TRANSACTIONS
MPELXH9B	8606-179819	SA1048 FROM SAMPLER_HANDLER WHEN RUNNING PERFORMANCE COLLECTION TOOLS
MPELXJ3D	8606-180975	AIFCHANGELOGON ERROR HANDLING FIXES
MPELXJ6C	8606-133734	SA 615 SS143 TRYING TO DEALLOCATE A PLFD LOCKED BY SOME OTHER THREAD
MPELXJ7C	5003-459925	DATA LOSS WHEN USING TAR WITH MPE FIXED ASCII FILES
MPELXK3C	8606-177505	JOBQFILE CORRUPT AFTER START RECOVERY RESULTS IN SYSTEM HANG.
MPELXL0B	8606-167690	FSCHECK ONLINE HELP RETURNS A *ERROR: SUBYS: 0, INFO: 4. (FSCHECK 1)
MPELXM0A	8606-175252 5003-294660 5003-240036	SA 1455 WHEN RESETTING A FILE EQUATION WITH A LONG HFS PATH
MPELXN0A	8606-180312	SCSIDISC (SE DISK DM) MAY REPORT 'NORMAL' CSTM I/OS AS HAVING AN ERROR
MPELXN1A	8606-180312	SCSIACM(AUTO-CHANGER) MAY REPORT 'NORMAL' CSTM I/OS AS HAVING AN ERROR

Patch Index	KPR Number	Description
MPELXN7A	8606-182305	ER: BINARY PATCH TO ENABLE MONITOR SUPPORT FOR MP A/N-CLASS SYSTEMS
MPELXP3B	8606-162794	BULDACCT GIVING CIERR 9166 AND 9445 WHEN MORE THAN 1020 DIRS IN A DIR
MPELXP9A	8606-189769	ADDRESSES NEED TO QUEUE I960 CARD RESETS
MPELXR0B	8606-127273	INTRODUCE DEBUG ACCESS TO PDC AND I/O SPACE ON 6.5 AND LATER
MPELXT0B	5003-345553 4701-383950	NEW PATCH TO INCLUDE MPEJXV9(5.5), MPEKXL0(6.0), AND MPEKXX4(6.5).
MPELXT1C	8606-194199 8606-180352	NETWORK SPOOLER: 2 FIXES FOR PJL SYNTAX ERRORS, NMS 9621 Supersedes: MPELXL8C MPELXE0C MPELX91C
MPELXT7E	8606-200506	SA -996 DURING PURGE OF A CIR OR RIO FILE
MPELXU3A	8606-196759	7.0 SOMPATCH FAILS BINARY PATCH INSTALLATION DUE TO 49 SOM LIMIT
MPELXU5C	8606-193783	SA 1144 STACK OVERFLOW WHEN AIF DATA STRUCTURES OVERWRITTEN
MPELXU7B	8606-195718	3-WAY DEADLOCK INVOLVING CM KSAM FILES AT THE START OF ONLINE BACKUP
MPELXV8C	8606-202134 5003-462440 8606-135212	HANGS OR SA1516 CAUSED BY GUPD OPEN SEMAPHORE NOT BEING UNLOCKED
MPELXW1A	8606-207669	SYMOS CHANGES (FOR DAT/DEBUG) TO REFLECT PORTS CHANGES IN MPELXQ8
MPELXW8B	8606-212538	NEW VERSION OF OTHDXL.THREAD.SYS FILE FOR DRAFT 4 SUPPORT
MPELXX1A	8606-214299	ODE CANNOT LOAD THE SYSTEM LIBRARY 'FILE NOT FOUND: SYSLIB'
MPELXX5A	8606-213333	DAT UNABLE TO ACCESS PHYSICAL ADDRESSES ABOVE 4GB ON A PRELUDE
MPELXY8B	8606-211465	SA1350 DURING TERMINATION OF A PROCESS WITH DEBUG BREAKPOINTS SET

Patch Information for MPE/iX 7.0 PowerPatch 3

Patch Index	KPR Number	Description
MPEMX02C	8606-217821	SYSTEM HANG DUE TO 2-WAY DEADLOCK BETWEEN NETWORK SOCKET SEMAPHORES Supersedes: MPELXT9C
MPEMX21B	8606-222286	SDUMP FAILS WHEN TRYING TO DUMP KSO_MM_GLOBAL_INFO_OBJ
MPEMX27C	8606-227964	HANG OR SA1516 WITH MPELX41 INSTALLED.
MPEMX29C	8606-225491	CATALOG CHANGES FOR MPEMX28 FIXES (CONSOLE HANG DUE TO ESCAPE SEQ) Supersedes: MPEMX08B MPELXK8B MPELX98B MPELX95B
MPEMX38D	8606-226955 8606-241934	SA0 DOING A DISCFREE ON VOLUME SET WHICH IS BEING VSCLOSE'D
MPEMX39B	8606-173839	HPMC POSSIBLE DURING SHUTDOWN ON > 3.75GB MEMORY SYSTEMS Supersedes: MPEMX52A MPEMX06A MPELXL5B MPEMX01A MPELXK7C
MPEMX43C	8606-180156 8606-180157 8606-180158	FIXES FOR MULTIPLE JOBQUEUES (TOTAL COUNTER, JS 61, CIWARN 10008) Supersedes: MPEMX28B MPELXV2C
MPEMX49A	8606-236710	MEMLOGD WILL NOT RUN ON 99X SYSTEMS Supersedes: MPELXX0C MPELXC4C
MPEMX50A	8606-236196	FILESET ``/`` FAILS TO SELECT FILES WHEN USING BACKPACK/IX FROM ROC SW. Supersedes: MPELXY3C MPELXU4C
MPEMX54A	8606-237023	POSSIBLE PROBLEMS WITH FILES CREATED WITH MKNOD COMMAND. Supersedes: MPELXQ4C MPEKXK4F MPEKXG3D

Patch Index	KPR Number	Description
MPEMX55B	8606-236720	EXPAND THE NUMBER OF NONRESIDENT PORTS Supersedes: MPELXQ8A
MPEMX59B	8606-242242	WORKAROUND FOR OCT CORNERCASE INVOLVING SCANFMVAT CM CODE Supersedes: MPEMX33A
MPEMX67B	8606-250351	AIFFILEGGET 5101 SHOWS EOF=0 FOR SMALL FILES AFTER MPELXV0 Supersedes: MPELXV0B
MPEMX69A	8606-249165	6.5 TO 7.0 UPDATE FAILS WITH CHASSIS CODE CE4A OR SHOWS DUMPDUMPDUMP
MPEMX74B	8606-223461	IODFAULT GENERIC DEVICE IDS TO SUPPORT CURRENT AND FUTURE DISKS Supersedes: MPELXV9A MPELXQ3C MPELXL1C MPELXC3D
MPEMX79C	8606-259835	ALLOW SCSI PASSTHRU DEVICE MANAGER TO HANDLE DEVICE IDS > THAN 7
MPEMX94A	8606-244832	CIERR 981 IF SHELL EXIT CMD IS LAST RECORD IN JOB'S VARIABLE RECORD
MPEMXA0A	8606-269684	SA1047 OR SA818 WITH INTERRUPTS INAPPROPRIATELY DISABLED IN EIEM
MPEMXA5C	8606-269701 8606-221095 8606-274443	SA1458 DURING CREATEPROCESS DUE TO PROBLEMS HANDLING POSIX ENVIRON Supersedes: MPEMX86A MPELXY6E MPEMX00C MPELXX3D MPELXK5B MPELXN4B MPELXL2J MPELXM3A MPELXK6A
MPEMXB1A	8606-276005	:SHUTDOWN SYSTEM;RESTART CAN RESULT IN SA 1047 AFTER SHUT 6 ON 9X9,99X
MPEMXC6A	8606-284194 8606-305917	SA1740 OR NEWMIRRSET FAILS; MIRVUTIL HANGS ON FILL_DISC_WAIT CONDITION

Patch Information for MPE/iX 7.0 PowerPatch 3

Patch Index	KPR Number	Description
MPEMXD6A	8606-272806	SYSTEM ABORT 1458 OR 2559 WHEN NETWORK DISCONNECT INTERRUPTS NEWCI Supersedes: MPELXC2D
MPEMXD8C	8606-288647	ALLOW LISTING OVER 100 SOMS WITH VERSION.PUB.SYS Supersedes: MPEMXC2A
MPEMXE2A	8606-288084	ARRAYLOG -E REPORTS ERROR NUMBER : 50 AND HLIO CHAIN TABLE LEAKS.
MPEMXE6B	8606-292571	IMPROVED INTERNAL ERROR MESSAGES (SYSCAT)
MPEMXG0B	5003-454843	SA775 WHEN LOAD_SOM ENCOUNTERS A MALFORMED NMXL FILE Supersedes: MPEMX90C MPELXN2C
MPEMXG9B	8606-308787 8606-311257 8606-316973	HAUTIL/HASTAT CHANGES TO SUPPORT FIBRE CHANNEL DEVICES. Supersedes: MPEMXK5A MPEMX53B MPEMX24A MPELXU9C MPELXQ9A MPEKXD3C MPEKXD4C
MPEMXH2B	8606-308481	SYSTEM ABORT 16 WHEN BOOTING FROM A NEW STAGE WHICH DOESN'T CONTAIN NL
MPEMXJ1B	8606-300920	SADPATCH DOES NOT ACKNOWLEDGE THE CORRECT HP DIAGNOSTIC PASSWORD Supersedes: MPEMX19B
MPEMXJ3A	8606-304075	SCSI MODE PAGE ENHANCEMENTS FOR FUTURE TAPE SUPPORT. . . .
MPEMXJ6B	8606-305679 8606-307058	2 FIXES FOR 7X24 TRUE-ONLINE TURBOSTORE/IX Supersedes: MPEMXK1B MPEMXH6B MPEMXB6A MPEMX93B MPEMX64B MPELXY4B MPELXK1B MPELXR9B MPELXL7C MPELXL9A MPELXH3B MPELXC7C MPELXF4B MPELX94C MPELX85C MPELX58C MPELX62C

Patch Index	KPR Number	Description
MPEMXL6A	8606-337965	OS DAT/DEBUG MACRO FIXES AND ENHANCEMENTS
	8606-297155	
	8606-302492	
	8606-327251	
	8606-146338	
	8606-334232	
	8606-214092	
MPEMXM9B	8606-347543	HAFO ERROR 1012 AND LDEV 1 IN FAILED FAILOVER STATE AFTER SLT UPDATE
		Supersedes: MPEMXL5A MPEMXH5B MPEMXK7A MPEMXG4A MPEMXH0A
		MPEMXE1B MPEMXF8A MPEMXD2C MPEMXG1B MPEMXD9A
		MPEMXE8A MPEMXD5A MPEMXC4A MPEMX92B MPEMXA8A
		MPEMXA7A MPEMXA1B MPEMX84A MPEMX61A MPEMX75B
		MPEMX60A MPEMX41B MPEMX36A MPEMX25D MPEMX17A
		MPEMX15A MPELXR8B MPELXN9B MPELXW5B MPELXW0A
		MPELXQ7B MPELXM9A MPELX93D MPELXV6A MPELXV4A
		MPELXR7A MPELXM7A MPELXN3A MPEKXD2C MPELX84D
		MPELXM8A
MPEMXP6B	8606-351194	VOLUTIL CONTIGVOL IMPROVEMENTS; SA2188 DURING SHOWUSERLOG COMMAND
	8606-362119	
		Supersedes: MPELX81C
MPEMXR6B	8606-382338	SA2003 WHEN PURGING A FILE WITH LARGE, PREALLOCATED EXTENTS
		Supersedes: MPEMXQ1B MPEMXK3B MPEMXL2A MPEMXC7A MPEMXE5B
		MPEMXB3B MPEMX99B MPEMXB2B MPEMXA9B MPEMX81A
		MPELXQ5C MPELXV3B MPEMX32B MPEMX42A MPEMX11B
		MPEMX34B MPELXE2C MPELXM5B MPELXW7C MPELXW3D
		MPEKXR0F MPELXH8D MPELXH5C MPELXF8C MPELX86B
		MPELXQ0A MPELXJ9D MPELXG6D MPELXN6A MPELXF2C
		MPELXD7B MPELXD3B MPELX75B MPELXN5A MPELXL3B
		MPEMX76A MPELXB3B MPELXU2A MPELXM1A

Patch Index	KPR Number	Description
NMCGDV0A	8606-252900	GENERAL FIXES FOR NMMGR ON MPE/IX 7.0 (F) PATCH
	8606-238543	
	8606-143672	Supersedes: NMCGDC6A NMCGDP1A NMCGDM6A NMCGDD5A NMCGD88A
	8606-129395	
	8606-155933	
	8606-156227	
	8606-175312	
	8606-143669	
	8606-196541	
	8606-135837	
	8606-186775	
	8606-268698	
	8606-234603	
NMSHD78A	8606-351808	GENERAL FIXES FOR NMS/IX ON 7.0 (G PATCH)
	8606-274274	
	8606-195035	Supersedes: NMSGDT2A NMSGDL0A NMSGDD6A NMSGDA5A
	8606-207282	
	8606-135837	
NRCMXT8B	8606-392040	SUPPORT TOOLS UPDATE - MIRRINFO, FWSCSI AND XMTIME
		Supersedes: NRCMXR1B NRCMXN4B NRCMXH1B NRCMXB8B NRCMX88B
		NRCMX20B NRCLXX9C NRCLXP0C
NSFHD93A	8606-355501	GENERAL FIXES FOR FOS ONLY NS SERVICES ON MPE/IX 7.0 (08 PATCH)
	8606-307516	
	8606-180749	Supersedes: NSFHD13A NSFGDG6A NSFGDC5A NSFGDC4A NSFGDC3A
	8606-187034	NSFGDC2A NSFGDC1A
	8606-193710	
	8606-198305	
	8606-206223	
	8606-207282	
	8606-225376	
	8606-294605	

Patch Index	KPR Number	Description
NSRGDE7A	8606-147395	GENERAL FIXES FOR DOMAIN NAME SERVICE ROUTINES ON 7.0 (A1 PATCH)
	4701-326645	
	8606-202904	Supersedes: NSRGD69A
NSSHD92A	8606-355501	GENERAL FIXES FOR SUBSYS ONLY NS SERVICES ON MPE/IX 7.0 (08 PATCH)
	8606-294605	
	8606-307516	Supersedes: NSSHD11A NSSGDG7A NSSGDB9A NSSGDA1A NSSGD80A
	8606-180749	NSSGD72A NSSGD51A NSSGD22A
	8606-187034	
	8606-193710	
	8606-198305	
	8606-206223	
	8606-207282	
	8606-225376	
NSTHD21A	8606-297985	GENERAL FIXES FOR NS TRANSPORT ON MPE/IX 7.0 (B1) PATCH
	1653-296426	
	4701-413088	Supersedes: NSTHD05A NSTHD01A NSTGDV5A NSTGDV4A NSTGDR5A
	5003-437616	NSTGDQ5A NSTGDK7A NSTGDB2A NSTGD97A NSTGD55A
	5003-442715	NSTGD45A
	5003-457499	
	8606-106004	
	8606-114484	
	8606-128099	
	8606-128926	
	8606-133373	
	8606-134230	
	8606-138076	
	8606-151861	
	8606-152658	
	8606-154796	
	8606-159845	
	8606-162349	
	8606-168856	

Patch Index	KPR Number	Description
	8606-169352	
	8606-171294	
	8606-174426	
	8606-174449	
	8606-174790	
	8606-180014	
	8606-180217	
	8606-181824	
	8606-182274	
	8606-185990	
	8606-186773	
	8606-189222	
	8606-198894	
	8606-200275	
	8606-202562	
	8606-205404	
	8606-213360	
	8606-217960	
	8606-218133	
	8606-232667	
	8606-241875	
	8606-241914	
	8606-249651	
	8606-252796	
	8606-254218	
	8606-257335	
	8606-259173	
	8606-267660	
	8606-269347	
	8606-272847	
	8606-285610	
	8606-286850	
	8606-297205	
	8606-302842	
	8606-311133	

Patch Index	KPR Number	Description
ODIMXT9D	8606-390787	BAD GSP LOG ENTRIES ON SMALL MEMORY A/N CLASS SYSTEMS WITH ODIMXQ2
	8606-349534	
	8606-344345	Supersedes: ODIMXT9B ODIMXQ2B ODIMXN2B ODIMXL3B ODIMXE9B
	8606-362660	ODIMX96B ODIMX66B ODILXY2B ODILXT4A ODILX92A ODILXL6A
OFDMXK6A	8606-329460	MAPPER2 DOES NOT RECOGNIZE DEVICES ON A6828A AND A6829A U160 HBA'S
OSPMXQ7E	8606-329232	REMOVE DEPENDENCY ON DISK MODEL #S IN OEM1/DSM1 RULESETS
	8606-352999	
	8606-324293	Supersedes: OSPMXH3B OSPMXC1B OSPMXC1A OSPMX58A OSPMX30A
	8606-204551	OSPLXY5A OSPLXD2C
	8606-321877	
PARMX97B	8606-225011	PASCAL/IX LIBRARY A.05.05.04: FIX TRAP ON OPENING PIPE
PBTHD87A	8606-344129	GENERAL FIXES FOR PCI 100BASE-T ON MPE/IX 7.0 (D0) PATCH
	8606-155404	
	8606-155480	Supersedes: PBTGDV9A PBTGDJ0A PBTGD53A PBTGD28A
	8606-160071	
	8606-167444	
	8606-196056	
	8606-223348	
	8606-159438	
	8606-156565	
	8606-167914	
	8606-223399	
	8606-201933	
	8606-201930	
	8606-223379	
	8606-222269	
	8606-231571	
	8606-337334	

Patch Information for MPE/iX 7.0 PowerPatch 3

Patch Index	KPR Number	Description
PSIGDW0A	5000-704320	GENERAL FIXES FOR PSI COMMON ON MPE/IX 7.0 (B0)
	8606-241622	
	8606-257493	Supersedes: PSIGDN6A PSIGDM8A
	8606-255193	
	8606-260739	
	8606-263624	
	8606-266676	
PTDHD26A	8606-250491	GENERAL FIXES FOR TELNET ARPA SERVICES ON 7.0 (H PATCH)
	8606-264334	
	8606-259714	Supersedes: PTDGDR2A PTDGDQ8A PTDGDP0A PTDGDK6A PTDGD83A
	8606-175456	PTDGD64A
	8606-250349	
	8606-219917	
	8606-177947	
	8606-188790	
	8606-194879	
	8606-194441	
	8606-145672	
	8606-163420	
	8606-169841	
	8606-165041	
	4701-422436	
	8606-219640	
	8606-297984	
	8606-286302	
	8606-174457	
PX2LXB1C	5003-273706	TOBYTE CAN CREATE HUGE BYTESTREAM FILES WHEN TRIM (-T) IS USED.
QUEMX68B	8606-201967	QUERY/IX HP32216D.03.21 RECORD FIND RELEASES LOCK AND NO QUIT(1234)
	8606-225099	
	8606-228193	Supersedes: QUELXP5C

Patch Index	KPR Number	Description
RJEGDP8A	8606-255193 8606-256454	RJE CAUSES SA1403 FROM IO SERVICES AFTER MEMORY UPGRADE FROM 2 TO 8 GB
RPGMXJ8B	8606-320424	RPG/IX A.00.21 CUMULATIVE PATCH
SCOMXQ8B	8606-370484 8606-335213	CPU QUEUE SHOWS HIGH VALUES... Supersedes: SCOMXN1B SCOMXK8B SCOMXH4B SCOMXD7B SCOMX72B SCOLXR6A
SDLGDQ0A	8606-297493 8606-259125	MPE SNA SDLC/IX 6.5-7.0 LARGE MEMORY: HP-PB DRIVER NOT RELEASING IOVAS
SEALXR4A	8606-194725	HPSEARCH/IX 36383A.00.02 5 DIGIT PIN SUPPORT
SMBMXG3B	8606-304287	SAMBA 2.2.8A FOR MPE 6.5, 7.0, AND 7.5 TO SUPPORT ENCRYPTED PASSWORDS Supersedes: SMLXT2B SMLXQ1B SMLXK2C
SMBMXR5B	8606-383180	SAMBA 2.2.8A FIXES FOR CAN-2004-0815 Supersedes: SMBMXP8B
SMLHDC0A	8606-386623	SENDMAIL 8.13.1 A.02.00 FOR MPE/IX 7.0 (D) PATCH Supersedes: SMLHD15A SMLHD03A
SNAHD19A	8606-293466	ALLOW SHUTDOWN FROM HPSNASENDNORMAL WHEN IN WAITED SEND Supersedes: SNAGDW7A SNAGDQ7A SNAGDN3A SNAGDJ8A SNAGDG5A SNAGDA8A SNAGDA0A SNAGD84A SNAGD74A SNAGD52A
SNMGDT5A	8606-135837 8606-215702 8606-206689	GENERAL FIXES FOR SNMP ON MPE/IX 7.0 (D PATCH) Supersedes: SNMGDM1A SNMGDD4A SNMGD43A

Patch Information for MPE/iX 7.0 PowerPatch 3

Patch Index	KPR Number	Description
	8606-167444	
	8606-105736	
	8606-128953	
	8606-248966	
	8606-272894	
SPTMX04C	8606-143347	SPT/IX B1776A/B1777A A.07.02 AIF/PE HANG FIX
		Supersedes: SPTLXR1C
SQLMX37C	8606-222724	ALLBASE/SQL A.G3.32 FOR MPE/IX 6.0, 6.5, AND 7.0
	8606-211458	
	8606-177880	Supersedes: SQLLXD8A
	8606-177876	
SRCLXQ6A	8606-194538	HPSRC A.01.31: HANDLE BIG PINS FOR MPE/IX 7.0 EXPRESS 1
STRHDB5A	8606-245179	GENERAL FIXES FOR STREAMS/IX ON MPE 7.0 RELEASE (F PATCH)
	8606-245307	
	8606-252710	Supersedes: STRHDA8A STRGDW2A STRGDQ6A STRGDL1A STRGD78A
	8606-212542	
	8606-134134	
	8606-384928	
	8606-322326	
TIXMXC3C	8606-284008	GB FILE LEFT OPEN EVEN NO ACCESSOR TO THE DATABASE.
	8606-266870	
	8606-257226	Supersedes: TIXMX73C TIXMX63C TIXMX31C TIXMX12C TIXLXW6C
	8606-268617	TIXLXL4B
TRRLXP7C	D500-140475	TRANSACT/IX RUN TIME 30138A.07.02 LONG BANNERS AND TITLE OPTION FIXES
	D500-109819	
TRLXP8C	8606-174766	TRANSACT/IX COMPILER 30138A.07.02 INTRINSIC CALLS AND IPFILE COMPILE
	8606-175370	

Patch Index	KPR Number	Description
TSMGD73A	8606-189379 8606-178330	EQUIVALENT TO TSMGD58A. WORKAROUND FOR 7.0 EXPRESS-1 PATCH CONFLICT. Supersedes: TSMGD58A TSMGD32A
VG1GD39A	8606-180611	GENERAL FIXES FOR NIO 100VG LINK (B5426BA) ON MPE/IX 7.0 (A0) PATCH
VGCGDH4A	8606-245136 8606-223348	GENERAL FIXES FOR NIO VG-BT DRIVER ON MPE/IX 7.0 (B0) PATCH
VGFHD18A	8606-180611 8606-201933 8606-231571 8606-159637 8606-223379	GENERAL FIXES FOR NIO VG-BT FORMATTER ON MPE/IX 7.0 (B0) PATCH Supersedes: VGFGDW1A VGFGDH5A VGFGD42A
VPLLX49D	8606-131968	VPLUS WITH ARB ENABLED RETURNS YEAR '00' AS 'A0' AND '10' AS 'B0', ETC
WBWHD96A	8606-356558 8505-365182	WEBWISE SECURE WEB SERVER A.04.00 (APACHE 1.3.31) FOR MPE/IX 7.0 Supersedes: WBWHD81A WBWGDT7A
XPMMX65B	8606-249488	FIX TO HP SURESTORE E RAID MANAGER XP (RM) UTILITIES FOR ERR 242 Supersedes: XPMLXD9B

