Communicator HP e3000 MPE/iX Release 6.5 PowerPatch 6 (Software Release C.65.06)

HP e3000 MPE/iX Computer Systems

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1 Overview

This *Communicator HP e3000* provides general and detailed information on the new and enhanced functionality for the MPE/iX Release 6.5 PowerPatch 6 (C.65.06), as well as information on support, release strategy and installation prerequisites.

This *Communicator* should be used in conjunction with the *Communicators* from Releases 6.5 and 6.5 PowerPatches. Only new information relating to the Release 6.5 PowerPatch 6 is contained in this document. If you have additional questions beyond the scope of this document, please review the information in the other 6.5-based *Communicators*. These documents are available online at *www.docs.hp.com*.

Communicator Summary

Following are brief descriptions of the articles and chapters.

Chapter 1, Overview — Communicator Summary

This chapter provides a summary of information contained in this manual. It also provides information about obtaining MPE/iX patches from the HP Electronic Support Center.

Chapter 2, Announcements

Important announcements regarding availability of products and services are included in this chapter.

- Introducing MPE/iX Release 6.5 PowerPatch 6
- End of Support Dates
- Obtaining Software Security Patches for your HP Computer System

Chapter 3, Technical Articles

This chapter contains articles about the following:

- Predictive Changes SYSSTART during UPDATE
- Samba 8.13.1
- Sendmail 2.2.8a

MPE/iX Patches on HP IT Resource Center

by Patch Support Team
Commercial Systems Division

MPE/iX patches for MPE/iX Releases are available on the IT Resource Center (previously the HP Electronic Support Center) to all customers.

Features and Benefits

The patch access and delivery system benefits all MPE/iX customers with:

- Improved overall communication between HP and customers.
- Provision of useful and timely information for patch justification and decision making.
- Reduced system downtime for known problems.
- Reduction of the turnaround time for patch availability and delivery.
- Close to 24*7 access time.
- Unification of the MPE/iX and HP-UX patch delivery process.

Electronic access to patch information and delivery of patches provide three basic services:

1. Access to patch information in an automated, timely and accurate manner.
2. Electronic downloading of patch information and binaries.
3. Proactive notification of new patches via email.

Access Method to the HP IT Resource Center

To serve customers the IT Resource Center provides World Wide Web access for downloading patches.

Access to World Wide Web Server

IT Resource Center is available through the World Wide Web. World Wide Web access is the easiest, fastest, and most popular method of browsing for patch information and downloading patches. It is more reliable, especially for large patches.

- **U.S. Web accessing address:**
  http://itrc.hp.com

- **European Web accessing address:**
  http://europe.itrc.hp.com

Electronic Digests

If you want to keep yourself up-to-date on the latest development of MPE/iX patches, you can sign up for the daily Security Bulletin and weekly MPE/iX Patch Bulletin. Once you have subscribed to these two bulletins, you will receive these digests on a periodic basis via electronic mail. HP IT Resource Center will inform you proactively about newly developed security and GR patches. For more information, refer to the instructions on the IT Resource Center website.

Patch Installation Tools

There are two tools available to install MPE/iX reactive patches, Patch/iX and AUTOPAT. HP recommends the use of Patch/iX for reactive patch installation. Patch/iX has many features and checks to ease and improve the installation process, including:

- A sophisticated patch qualification mechanism to ensure the integrity of your system.

- The ability to perform much of the patch installation process while your system is still up and available to users.

- For more information on Stage/iX or Patch/iX, refer to the *System Software Maintenance Manua*l for your release. This manual is also available on the following website: *http://www.docs.hp.com/*

You should use AUTOPAT only if you are familiar with its use, and have a good understanding of MPE/iX patch management.

Patch/iX Installation Document Retrieval

These are the steps for retrieving documents using Patch/iX.

1. Access the HP IT Resource Center WEB site using the appropriate WEB address for your country.
2. Click on the link, "patch/firmware database."
3. Enter: "ITRC User ID" and "password."
4. Click on the "MPE/iX" link under "find individual patches."
5. Click on the link, "MPE Patch Installation and Tools Guide."
6. Click on the link, "Use Patch/iX or AUTOPAT to install the patch."
7. Click on the link, "Patch/iX Instructions."

Patch/iX Version Identification

To ensure you have the latest version of Patch/iX, on your system do the following:

1. `:HELLO MANAGER.SYS,INSTALL`
2. `:PATCHIX VERSION`
3. Compare this version number (for example, B.01.02) with the latest version available for your release on the HP IT Resource Center Patch/iX download page. If you are running an earlier version than is available, you should download and install the newer one from the download page.

AUTOPAT Installation Document Retrieval

AUTOPATINST is the "DOCID" of the document with instructions to assist you in installing one or more patches needed by your MPE/iX system using the AUTOPAT installation tool.

1. Access the HP IT Resource Center WEB site using the appropriate WEB address for your country.

2. In the Main Menu, Click on the link, "Search Technical Knowledge Base."

3. Enter: "ITRC User ID" and "password."

4. In the Technical Knowledge Base Home page from the pull down menu, Click on "Search By DOC ID" (do not Search by Keyword).

5. In the search field, enter "AUTOPATINST."

6. Click on the "SEARCH" button.

Create a CSLT Prior to Patch Installation

Before starting any patch application activity, you should always back up your system by creating a Custom System Load Tape and a full backup. This will allow you the flexibility of restoring your system to the previous environment. To create a CSLT, do the following:

1. Log on as `MANAGER.SYS`

2. `:SYSGEN`

3. `>TAPE`

The TELESUP utility, `CHECKSLT.MPEXL.TELESUP,` can be run to check the validity of the CSLT that is created.

Disclaimer

CAUTION   Hewlett-Packard is not liable for errors occurring during data transmission through the Internet. HP assumes no responsibility for the use or reliability of its software on equipment that it has not furnished itself. Furthermore, for customers without a current support contract with HP, HP is not responsible for answering any questions in regard to the use of this patch delivery process.

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2 Announcements

MPE/iX Release 6.5 PowerPatch 6

MPE/iX and the e3000 have been dutifully serving HP customers for nearly 30 years. On November 14th, 2001 HP announced the end of sales for the HP e3000 and MPE/iX.

HP realizes that customers are planning their migration away from the e3000 and MPE/iX. We understand that it is very important for our customers to have additional time to develop and implement their migration strategy. Thus, HP is releasing MPE/iX 6.5 PowerPatch 6 which is a pro-active patch-set. It includes defect repair which improves the capabilities and supportability of MPE/iX 6.5. This patch-set helps to ensure that customers are able to maximize the value of their current HP e3000 environment as they manage their transition off the platform.

End of Support Dates

Support for MPE/iX 6.0 release ended October 31, 2002 while MPE/iX Releases 6.5, 7.0, and 7.5 are being supported through December 31, 2008.

Please note that although MPE/iX 6.5 is supported through 2008, customers who are developing plans for their HP e3000 environment into the future may find it beneficial to upgrade to MPE/iX 7.0 or 7.5. These later releases contain changes and improvements (defect repair, performance and capacity enhancements for high-end systems, and bundled tools for using the HP e3000 with the Internet) that are not available on MPE/iX 6.5. Additionally, Express 6 is the last planned Express for MPE/iX 6.5.

For a comprehensive listing of supported hardware, please go to:

http://www.hp.com/products1/evolution/e3000/news_events/discont/end_support.html

Making the Express Installation Easy

HP Engineering Services remains a major focal point for all your MPE/iX consulting needs. Please contact your local HP support organization for upgrades and installations.

MPE/iX Beta Test Patches Listed On Web Site

HP is making MPE/iX beta test patches available to our customers who may benefit from installing them before they are made generally available or "GR."

A beta test or "BT" patch is thoroughly tested in the MPE/iX lab before release. However, it has not completed testing by the customer or customers for whom it was initially created. During this period of customer testing the patch remains in "BT" status so that its distribution can be controlled.

At the web site shown below, you can find a list of all available BT patches by MPE/iX release. There are lists, updated daily, for releases 6.5, 7.0, and 7.5. If you feel your system(s) could benefit from the installation of a "BT" patch, and you have a valid HP support contract, please contact the Response Center to order the patch(es) you would like.

The patch web site is on the JAZZ server at the following URL:

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

and a link to it can be found on the JAZZ main web page at *http://jazz.external.hp.com*.

Obtaining Software Security Patches for your HP Computer System

Hewlett-Packard would like to make you aware of a special free service provided for all customers of HP e3000 and HP 9000 computer systems. This service gives customers a direct route to Hewlett-Packard for obtaining information relating to the security of their Hewlett-Packard computer system(s).

Hewlett-Packard issues information on the availability of Software security patches via Security Bulletins to subscribers of the HP Security Bulletin Digest e-mail service, a part of the IT Resource Center (formerly the HP Electronic Support Center). A Hewlett-Packard support contract is NOT required to subscribe to this service to obtain information or security patches. Any purchaser of an HP e3000 or HP 9000 computer system can make use of the HP Security Bulletin services at no charge.

Customers may also obtain information and Security Bulletin services via the World Wide Web.

A security problem is a software defect that allows unauthorized personnel to gain access to a computer system or to circumvent any of the mechanisms that protect the confidentiality, integrity or availability of the information stored on the system. When such problems in Hewlett-Packard software are brought to the attention of the company, their resolution is given a very high priority. This resolution is usually in the form of a Security Bulletin which may explain how to correct the problem or describe how to obtain a software security patch that will correct the problem.

Hewlett-Packard has introduced this service as the primary mechanism to alert subscribers to security problems and provide corrections. Hewlett-Packard will not analyze the relevance of any security patch to any individual customer site within the scope of the HP Security Bulletin service. The responsibility for obtaining and applying security patches resides with the customer.

The remainder of this section outlines the various security related services offered by Hewlett-Packard IT Resource Center and the methods for subscribing to and retrieving information from it. It also outlines how you can inform Hewlett-Packard of potential security concerns you may have with your Hewlett-Packard computer system.

HP IT Resource Center Security-Related Services

HP IT Resource Center offers subscribers the following benefits:

- Receive Security Bulletins automatically when they are published.

- Retrieve the archive list of bulletins issued prior to subscription.

- Download security patches if the subscriber configuration supports it.

Remember, an HP support contract is not required to subscribe to HP Security Bulletin services.

Subscribing to HP IT Resource Center Security Bulletin Services

Once you have placed your name on the subscriber list for future Security Bulletins (see instructions below), you will receive them via e-mail on the day they are issued by HP.

As referenced below, you can also view a list of past Security Bulletins issued in the "HP Security Bulletins Archive."

How to Subscribe

To subscribe to automatically receive future NEW HP Security Bulletins from the HP IT Resource Center via electronic mail, do the following (instructions subject to change without notice):

1. Use your browser to access the HP IT Resource Center web page at:

   http://itrc.hp.com   US, Canada, Asia-Pacific, and Latin-America

   http://europe.itrc.hp.com   Europe

2. Logon with your User ID and password (or register for one). Remember to save the User ID assigned to you, and your password.

3. Once you are on the Hewlett-Packard IT Resource Center home page, click on "subscribe to security bulletins & patch digests." On this page, you can subscribe to many different digest services, including the Security Bulletin Digests.

To review Security Bulletins that have already been released, click on "search technical knowledge base" on the HP IT Resource Center home page. Near the bottom of the next page, click on "Security Bulletin Archive."

Once in the archive, click on the link to MPE/iX Security Bulletins.

If You Discover a Security Problem

To report new security vulnerabilities, send e-mail to

security-alert@hp.com

Please encrypt any explicit information using the security-alert PGP key, available from your local key server, or by sending a message with a -subject- (not body) of 'get key' (no quotes) to security-alert@hp.com.

3 Technical Articles

This chapter contains the following articles:

- Predictive Changes SYSSTART during UPDATE
- Sendmail 8.13.1
- Samba 2.2.8a

Predictive Changes SYSSTART during UPDATE

by Gary Robillard, Predictive Support

Due to some customer sites having multiple startup directives in `SYSSTART.PUB.SYS`, the installation job for 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`.

If you prefer NOT to have the Predictive installation job modify your `SYSSTART.PUB.SYS` file, do the following:

Create a file named `NOSYSST.PRED.SYS` with the MPE/iX build command BEFORE installing Express 6 for MPE/iX 6.5.

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

If the file `NOSYSST.PRED.SYS` exists, it will prevent the Predictive installation from making any `SYSSTART` file modifications.

The Predictive installation job modifies the `SYSSTART` file as follows:

1. Gather STREAMs device and printer queue for `STREAM`s 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 there are `STARTSESS` commands but no `STARTSESS` to `OPERATOR.SYS`, 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
```

Sendmail 8.13.1

Sendmail 8.13.1 offers powerful, flexible, and supported functionality for sending and receiving SMTP-based e-mail. Customers who have been running the unsupported freeware version 8.9.1 of Sendmail are strongly encouraged to switch to this new 8.13.1 version. For complete information about Sendmail on MPE/iX, please see *http://jazz.external.hp.com/src/sendmail/*.

Samba 2.2.8a

Samba 2.2.8a offers many bug fixes and significant new features compared to the previous release of Samba 2.0.7. New features include encrypted password support, improved printer integration, and increased MPE filename mapping flexibility. For complete information about Samba on MPE/iX, please see *http://jazz.external.hp.com/src/samba/*.