

## IBM Infoprint Manager for AIX 3.2 Readme

This readme contains the following information:

- “General Release Notes for Infoprint Manager for AIX Version 3 Release 2” contains topics that apply to Infoprint Manager for AIX 3.2 in general. When this information changes, it will be marked with revision bars ( | ) in the left margin.
- “Release Notes for Version 3.2.0 PTF U484139 (June 2003)” on page 6 contains release notes that apply to PTF U484139 (June 2003).
- “Release Notes for Version 3.2.0 PTF U481939 (July 2002)” on page 7 contains release notes that apply to PTF U481939 (July 2002).
- “Release Notes for Version 3.2.0 PTF U475406 (January 2002)” on page 7 contains release notes that apply to PTF U475406 (January 2002).
- “Release Notes for Version 3.2.0 PTF U474311 (October 2001)” on page 9 contains release notes that apply to PTF U474311 (October 2001).
- “Release Notes for Version 3.2.0 PTF U474310 (June 2001)” on page 14 contains release notes that apply to PTF U474310 (June 2001).
- “Release Notes for Version 3.2.0 PTF U475405 (May 2001)” on page 15 contains release notes that apply to PTF U475405 (May 2001).
- “Release Notes for Version 3.2.0 PTF U474309 (March 2001)” on page 16 contains release notes that apply to PTF U474309 (March 2001).

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## General Release Notes for Infoprint Manager for AIX Version 3 Release 2

### Patch to Resolve Java Core on Exiting Infoprint Manager GUI

In AIX operating system Version 4.3.x there are potential problems with the Version 4.0.0.\* **xlC** libraries. In Infoprint Manager, these can occur when you exit the Infoprint Manager GUI on a system running with Java Version 1.1.8.

Once you exit the Infoprint Manager GUI, the terminal window from which you started the Infoprint Manager GUI displays a message saying that processing has terminated and that a stack trace is being written to a java core file:

```
SIGABRT received at d00f9fa0 in /usr/lib/libpthreads.a. Processing terminated
Writing stack trace to javacore.txt ... OK
ipo[8]: 23362 Abort(coredump)
```

If you started the GUI from an icon on the AIX Common Desktop Environment, you do not see this error, but the core files are still saved to your file system.

To fix this problem, you must ensure that the **xlC.aix43.rte** fileset must be at the 5.0.0.4 or a later level. If the **xlC** runtime program on your system is version 4, you must update to **xlC** version 5 prior to installing the **xlC.aix43.rte.5.0.0.6** fix. To install the base level of **xlC** version 5, go to the Visual Age C++ Corrective Service web page (<http://www-4.ibm.com/software/ad/vacpp/service/csd.html#redistribute>).

To find the latest C++ runtime PTFs, take the following path:

1. Access the AIX Fix Distribution (<http://techsupport.services.ibm.com/rs6k/fixdb.html> ) page.
2. Use the search facility, selecting AIX Version 4 and APAR, to find 14529, which will take you to the location from which you can download **IY14529 — VISUALAGE C++ 5.0.0.4 RUNTIME PTFS** fix.

## Infoprint Manager is Incompatible with AIX security APAR IY13573

**Note:** This error condition can be resolved by applying Infoprint Manager for AIX service update PTF U474311 (October 2001). If you do not upgrade to this level of service, the following problem still applies.

If you install AIX security APAR IY13573 as part of the AIX APAR IY15473 package, you will not be able to restart the Infoprint Manager AIX server. When you attempt to start the server, Infoprint responds with the following message:

```
Fatal error: Cannot read the environment variable NLSPATH
5010-403 Cannot start the server ____ daemon. Return Code=255.
```

The problem occurs because when a program is executed as **root**, this APAR sets the **NLSPATH** to NULL. If you are running Infoprint Manager for AIX, you must obtain the efix from AIX for the **nlspath.efix.tar.Z** file, which has both the **bos.mp** and **bos.up** fileset kernels at a 4.3.3.50 level (maintenance level 08).

To determine the maintenance level of your AIX operating system, specify the following from an AIX command line:

```
instfix -i | grep -i ML
```

The **nlspath.efix.tar.Z** file is available on AIX 4.3.3.50 (maintenance level 08) and all subsequent releases. If you are at maintenance level 07 or earlier, you must call the AIX Support Line at 1-800-CALLAIX to obtain this efix.

Once you have either upgraded to the AIX 4.3.3 maintenance level 08 or obtained this efix for your system, you must enter the following from an AIX command line before starting the Infoprint Installer:

```
chnlspath $(echo $NLSPATH)
```

Note that this command must be issued every time you:

- Reboot your AIX server, prior to starting the Infoprint Manager AIX server
- Log in as **root** user to your AIX server

## How Infoprint Backs Up Transform Configuration Files

When you apply a new Infoprint Manager for AIX service Program Temporary Fix (PTF), Infoprint Manager backs up the most transform configuration files in their original source directory by adding a **.bak** qualifier to each file.

The following list provides the default full path names for six commonly modified transform configuration files:

- **/usr/lpp/psf/pcl2afp/pcl2afp.cfg**
- **/usr/lpp/psf/pcl2afp/pcl2afpd.cfg**
- **/usr/lpp/psf/ps2afp/ps2afp.cfg**
- **/usr/lpp/psf/ps2afp/ps2afpd.cfg**

- **/usr/lpp/psf/ps2afp/pdf2afp.cfg**
- **/usr/lpp/psf/ps2afp/3160d.cfg**

Once you have completed installing the latest Infoprint Manager PTF, you can retain your customized changes by copying the contents of each **.bak** file into the default configuration file that resides in the same directory.

## Server Software Prerequisites

To ensure correct operation, Infoprint Manager requires that certain components of the AIX operating system be installed on your RS/6000 system. It is up to you to install the base level of these components from your AIX product CD-ROMs before starting the Infoprint Installer for Version 3.2 service from Installing Infoprint Manager on your AIX Server.

If you want to install the non-DCE version of the Infoprint Manager base, we recommend that you simply run the Infoprint Installer. If you are missing any of the required base AIX filesets for Version 3.2.0, the Installer will list them and direct you to install them from your AIX product CD-ROMs.

If you want to install the DCE version of the Infoprint Manager base, there are additional requirements. We strongly recommend that you install all the required DCE filesets for Version 3.2.0 that are specified in Installing Infoprint Manager on your AIX Server prior to running the Infoprint Installer.

To make the installation as easy as possible, the Infoprint Installer will automatically apply service to your AIX software to meet Infoprint Manager prerequisites. This service is needed to ensure that Infoprint Manager will function properly. Be advised, however, that the Installer will not automatically apply service that is hardware specific. For more details on updating AIX software to work with Infoprint Manager, see the topic "Verifying Updates to AIX Filesets for Version 3.2.0." from Installing Infoprint Manager on your AIX Server.

## Backing Up your Printing System

It is extremely important to back up your Infoprint Manager printing system regularly. This is especially important before applying APAR service, as the serviced printing system objects may not be backwardly compatible with the current environment. System backups may be required to restore a functioning system after rejecting APAR service. (See below.)

Your backup regimen should include backups of all files in the following directories:

- **/ipdata (if used)**
- **/usr/lpp/psf/config**
- **/var/pd/\***

To include any file systems that begin with this path.

- **/var/pddir (if non-DCE server)**
- **/var/psf /\***

To include any file systems that begin with this path.

- **/var/spool/lpd**

In addition, the following individual files should be backed up:

- **/etc/fst.ports (if non-DCE server)**
- **/etc/rc.pd.servers**

- `/etc/services` (if non-DCE server)

**Note:** If you are migrating from an earlier version of Infoprint Manager for AIX and have customized the path statements on the `/etc/environment` file, save a backup of this file so that Infoprint Manager does not overwrite your customized path statements with the default values.

We strongly recommend an automated approach to system backup. The Tivoli Storage Manager product from IBM allows you to schedule automatic incremental backups of your system. Contact IBM for information on acquiring Tivoli Storage Manager.

## Applying Service

Prior to applying this APAR service, it is strongly recommended that you back up your Infoprint Manager system completely as described in the Backing Up Your Printing System section above. Backups may be required to restore your system in the event that this APAR service must be rejected in the future. See Rejecting Service below for details on this process.

To apply service to Infoprint Manager software previously installed on this system, do the following:

1. Log onto your system as **root**.
2. Before running the **ip\_update** script, you must export your display to an active XWindows environment by typing the following at the AIX command line:
 

```
export DISPLAY=XWindowsHostname:0.0
```

 where *XWindowsHostname* specifies the host name of a system running an active XWindows environment.
3. Insert the Infoprint Manager APAR CD-ROM into your CD-ROM drive.
4. Make sure no jobs are currently active on this server. (Any active jobs will be interrupted by the service process.)
5. Open a terminal window.
 

If you are using the Common Desktop Environment (CDE), you may open a terminal window by clicking on the terminal icon contained in the front panel. (The front panel is the task bar that appears at the bottom of the screen.) By default, the terminal icon is contained in a popup menu above the text editor icon that appears on the front panel.
6. If you are using the Distributed Computing Environment (DCE) version of Infoprint Manager, log into DCE as a principal capable of administering the Infoprint server.
7. The first time you run the Installer, follow this procedure:
  - a. Type the following on the AIX command line:
 

```
smit cdrfs
```
  - b. Select **Add a CDRom File System** from the list of choices presented.
  - c. Click the **List** button and select your CD-ROM device name (**cd0**, for example).
  - d. Type the following in the **MOUNT POINT** field:
 

```
/cdrom
```
  - e. Click **OK**. The running person will raise his arms to indicate success. If he instead falls down and you see `crfs: 0506-909 /cdrom file system already exists`, do not interpret this as a failure. (The existing **/cdrom** file system should be usable.)

- f. Press the **F12** key to exit SMIT.
8. Type the following two commands in sequence at the command line:  

```
mount /cdrom  
/cdrom/ip_update
```

To remove the CD-ROM from the drive, type the following command:

```
umount /cdrom
```

You may then push the eject button on the CD-ROM drive to retrieve the CD-ROM.

## Rejecting Service

If you have problems with this service level of Infoprint Manager software, it is possible to revert to the last applied level installed on the system. To do so, however, you must make sure that a backup of all previously mentioned Infoprint objects was made at a time when the printing system was at its previous level.

To reject this (and all previously applied but uncommitted) service, use the following procedure:

1. Log onto your system as **root**.
2. Insert the Infoprint Manager APAR CD-ROM into your CD-ROM drive.  
This allows you to access the latest version of the **ip\_update** script that you should always use to reject (using the **—r** flag) an Infoprint Manager for AIX PTF.
3. Make sure no jobs are currently active on this server. (Any active jobs will be interrupted by the service process.)
4. Open a terminal window.  
If you are using the Common Desktop Environment (CDE), you may open a terminal window by clicking on the terminal icon contained in the front panel. (The front panel is the task bar that appears at the bottom of the screen.) By default, the terminal icon is contained in a popup menu above the text editor icon that appears on the front panel.
5. If you are using the Distributed Computing Environment (DCE) version of Infoprint Manager, log into DCE as a principal capable of administering the Infoprint server.
6. Type the following sequence at the command line:
  - a. `mount /cdrom`
  - b. `/cdrom/ip_update -r`
  - c. `umount /cdrom`

If you encounter problems with your Infoprint Manager system after rejecting APAR service, restore the directories and files listed in the Backing Up Your Printing System section from backup media.

Because Infoprint Manager for AIX is neither designed nor tested for backwards compatibility when regressing from a newer service level to an older service level, new service releases often create or modify Infoprint Manager objects that cannot be backed off. These Infoprint Manager objects may consist of environment variables, printer, job, or document objects, or any changed portions of the product. When system administrators find a performance problem or concern with

a particular level of applied service and decide to back it off, rather than committing the PTF to their system, the incompatible Infoprint Manager objects result in errors.

## Committing Service

After successfully using your serviced Infoprint Manager software for a trial period, we recommend that you commit the service level. Committing the service level will free disk resources. However, it will also make it impossible to revert to the committed level of software in use prior to applying this APAR service. Exercise caution when committing APAR service.

To commit this APAR service, log onto your system as root and type the following command:

```
installp -cg ipr
```

## Close Infoprint Manager Administration GUI and Infoprint Manager Operations GUI before installing any Infoprint Manager PTF

Be sure to close the Infoprint Manager Administration GUI and the Infoprint Manager Operations GUI before installing any Infoprint Manager PTF to avoid problems with files that need to be replaced.

## Ensure that the Infoprint Manager Server and the Infoprint Manager Administration and Operations GUIs are at the same level

To access all changes as they are released in PTFs, ensure that the Infoprint Manager Server is at the same level or at a higher level of service than the Infoprint Manager Administration GUI and the Infoprint Manager Operations GUI. Otherwise, you may receive error messages like: 5010-625 Cannot recognize attribute ....

**Note:** For this to occur, the Infoprint Manager Administration GUI or the Infoprint Manager Operations GUI would have to be running on a different workstation than the Infoprint AIX server. This might occur if you install a new version of a GUI on a workstation and point to a downlevel Infoprint AIX server.

## Installing the Font CDs

Instructions for installing the AFP Font Collection CD and DBCS font CDs are contained in the **README.AIX** file on the font CD.

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## Release Notes for Version 3.2.0 PTF U484139 (June 2003)

Please note that PTF U484139 (APAR IY32853) contains no new functional enhancements, but does contain over 70 field authorized program analysis reports (APARs). For a summary of the fixes provided with this PTF, please refer to the Products Update page of the Infoprint Manager for AIX 3.2 web site at <http://www.printers.ibm.com/R5PSC.NSF/Web/ip320ser>.

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## Release Notes for Version 3.2.0 PTF U481939 (July 2002)

Please note that PTF U481939 (APAR IY27808) contains no new functional enhancements, but does contain 59 field authorized program analysis reports (APARs). For a summary of the fixes provided with this PTF, please refer to the Products Update page of the Infoprint Manager for AIX 3.2 Web site at <http://www.printers.ibm.com/R5PSC.NSF/Web/ip320ser>.

### Upgrading AIX print drivers to use Infoprint 1120, 1125, 1130, 1130, and 1145 printers with Infoprint Manager for AIX 4.1

If you support any of the following printers, you must upgrade your AIX drivers (Colon Files for AIX v4.6.0.0) for these printers from the Printing Systems Division web site:

- IBM Infoprint 1120 printer
- IBM Infoprint 1125 printer
- IBM Infoprint 1130 printer
- IBM Infoprint 1140 printer
- IBM Infoprint 1145 printer

These AIX drivers are referenced when you create an AIX DSS printer through Infoprint Manager and when you specify particular trays from which to pull paper in a **pdpr** print command.

You can use the following to access these files from the web:

1. From the **IBM Printing Systems Division** (<http://www.printers.ibm.com>) homepage, click on the **Printer drivers, utilities, fixes** link under the **Technical support** heading.
2. From the **Software Support and Information** (<http://www.printers.ibm.com/R5PSC.NSF/Web/download>) page, click the **Drivers** link under **Support** from the right-column navigation panel.
3. From the **IBM Network and Infoprint Printer Drivers** page, click on the appropriate printer model number from the bulleted list, such as Infoprint 1120.
4. From the resulting page (for this example, Infoprint 1120 results), scroll down the list until you find the link for **Colon Files for AIX v4.6.0.0 - Infoprint 1116, 1120, 1125, 1130, 1140 and 1145**, then click on it.

**Note:** You may have to scroll to the second or third page of search results to find this link.

5. From the **Colon Files for AIX v4.6.0.0 - Infoprint 1116, 1120, 1125, 1130, 1140 and 1145** page, click on the **Readme File** link and follow the directions provided to download these AIX driver files.

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## Release Notes for Version 3.2.0 PTF U475406 (January 2002)

### Functional Enhancements in Latest Service Release

The following functional enhancements are included in PTF U474311 (October 2001):

- Infoprint Scan Version 3 Release 2 Modification 3

The latest level of Infoprint Scan is now available with Infoprint Manager for AIX once you apply this latest PTF.

- Infoprint Submit for Mac 10.1  
The latest level of Infoprint Scan is now available with Infoprint Manager for AIX once you apply this latest PTF. Please note that this support contains a subset of the features available on the current Infoprint Submit product.

## New and Updated Documentation

The following PDFs that are available from our Infoprint Manager for AIX site map web page have been either newly created or revised.

- *IBM Infoprint: Using Infoprint Scan* (G544-5722-04)
- Using Infoprint Submit to process a job on Macintosh X
- *Infoprint Manager for AIX: Administrator's Guide* (S544-5595-05)

## New and Revised man Pages only Available in English

If you apply PTF U475406, you will find two new and three revised **man** pages.

The new **man** pages are **podelete** and **polist**. To access them online, apply the PTF and type `man commandname` from an AIX command line.

The following three **man** pages have been revised, but are stored in the English man page directory only. To access them online, you must export the **MANPATH** environment variable:

1. From an AIX command line, type `export MANPATH=/usr/share/man/en_US`.
2. Type `man commandname`.

**Note:** To view other translated man pages, you must export the **MANPATH** environment variable to the path previously specified.

To view any of these commands from product documentation, access the latest version of the **Infoprint: Reference** manual from the AIX Product Library page on the web (<http://www.printers.ibm.com/R5PSC.NSF/Web/ipmrefinfo32>). These pages are only available in English, but will be translated with the next national language service update for Infoprint Manager.

The three revised **man** pages:

- **pdresubmit**
- **ps2afpd**
- **sap2afp**

## Intermittent garbled banner page and ASCII print file on Infoprint 1130

The banner page that prints on the Infoprint 1130 prints incorrect characters on the banner page at random times. The next print jobs produce a normal, readable banner page. Resending the job with the garbled banner page usually results in a normal banner page.

## Windows server cannot read "version" file in AIX 5.1 namespace

If you are using AIX 5.1 and WinNT SP 6 with Services for UNIX in a multiple server AIX/Windows environment, you may be unable to start your Windows server because it fails with Message 5010-845: This server cannot run with a namespace at Version 999.999 logged in the server log. If this occurs you will need to ensure that the Windows account under which the IPM for Windows



server runs has write permission to the "version" file in the namespace. You can do this by signing on to the AIX server as root and either:

- Making the Windows account the owner of the version file:

```
cd $PDNAMESP
chown win-account version
```

**Note:** This is the recommended solution.

- Giving universal write permission to the version file.

```
cd $PDNAMESP
chmod o+w version
```

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## Release Notes for Version 3.2.0 PTF U474311 (October 2001)

### Functional Enhancements in Latest Service Release

The following functional enhancements are included in PTF U474311 (October 2001):

- Support for AIX Version 5.1 on the Power PC (32BIT).

With this service PTF, Infoprint Manager for AIX Version 3.2 runs on the new AIX Version 5.1 operating system. Before you apply this PTF, please read the information contained in Chapter 2 of the *AIX: Getting Started* manual that can be accessed from the Infoprint Manager for AIX 3.2 Product Library page (<http://www.printers.ibm.com/R5PSC.NSF/Web/ipmrefinfo32>) on the web.

- Support for Infoprint Manager for AIX 3.2 in an HACMP configuration.

With this service PTF, Infoprint Manager for AIX Version 3.2 can be configured to run as an application in an HACMP Configuration. Infoprint Manager presumes that the installation has been configured through HACMP for AIX and that any other key applications, such as DCE, are already configured and running successfully in an HACMP environment. For specifics about the support, refer to *Guidelines for the Installing Infoprint Manager 3.2 in an HACMP Configuration* that can be accessed from the Infoprint Manager for AIX 3.2 Product Library page (<http://www.printers.ibm.com/R5PSC.NSF/Web/ipmrefinfo32>) on the web.

- Support for the PPML data stream.

The Personalized Print Markup Language (PPML) transform converts PPML data into Advanced Function Presentation (AFP) data designed to be printed on the IBM Infoprint Color 130 Plus printer. PPML is an emerging XML-based data stream that can include PostScript, PDF, TIFF, and JPEG objects within the data stream. This data stream provides great benefits for high-volume, color print-on-demand environments.

For a description of the hot folder support that can be used to submit PPML jobs to an Infoprint AIX server, please read the information contained in Chapter 16 of the *AIX: Getting Started* manual that can be accessed from the Infoprint Manager for AIX 3.2 Product Library page (<http://www.printers.ibm.com/R5PSC.NSF/Web/ipmrefinfo32>) on the web. For a description of the Infoprint Manager for AIX implementation of this transform, see *Working with the Infoprint PPML Transform Program* that can be accessed on the web at <ftp://ftp.software.ibm.com/printers/specs/ppml.pdf>.

For a set of IBM business partners with products that support job submission through this data stream, see:

- ExStream for generating a PPML file through a dialogue at <http://www.exstream.com>.

- Elixir for generating a PPML print file through their Opus product at <http://www.elixir.com/news/seibold%20reporty%20on%20elixir.htm>.
- Pageflex for shipping raw files to a hot folder through their products MPower and Persona at both <http://www.pageflexinc.com/persona.htm> and <http://www.pageflexinc.com/mpower.htm>.
- Using the Configurable Transform Subsystem on Infoprint Manager for AIX. The Configurable Transform Subsystem is now available on Infoprint Manager for AIX so that users on AIX can create and modify data stream transforms. With this feature, you can create transforms that:
  - copy the data to a different place on your hard drive
  - filter the data stream that the transform receives (for example, to remove a particular PostScript order)
  - transform the data to a completely different format (for example, converting PostScript to AFP).

For more information about this feature, see both Understanding Transforms and the Configurable Transform Subsystem (located at <ftp://ftp.software.ibm.com/printers/specs/iprc1trn.pdf> on the web) and Configuring a Data Stream Transform Sequence (located at <ftp://ftp.software.ibm.com/printers/specs/cfgtrs.pdf> on the web).

- Using the SAPconnect interface on SAP R/3 to support both sending faxes (fax-out) and receiving faxes (fax-in) on your SAP R/3 system, using Infoprint Manager for AIX. SAPconnect is the successor to the SAP Communications server (SAPcomm). By using remote function call (RFC) technology, SAPconnect allows SAP R/3 users to access a variety of communication systems – including fax servers – directly from R/3. The Fax feature of Infoprint Manager allows the Infoprint AIX server to act as a fax server. For more information about how you can configure Infoprint and your SAP system for both sending and receiving faxes, see Using SAPconnect Support, which can be found on the web at <ftp://ftp.software.ibm.com/printers/specs/sapconnectd.pdf>.
- Requiring AIX Fast Connect Version 3.1. With this service PTF, Infoprint Manager for AIX users running on AIX 4.3.3 or higher must use Fast Connect for POWER Version 3.1 to connect to Windows systems. If you are running on an earlier release of AIX, you should continue to use AIX Fast Connect Version 2.1. For more information, refer to *Using AIX Fast Connect for Preflighting Jobs* that can be accessed from the Infoprint Manager for AIX 3.2 Administrator Tasks page (<http://www.printers.ibm.com/R5PSC.NSF/Web/aixadmin>) on the web.
- Infoprint Manager GUI enhancements. With this service PTF, both the **Infoprint Manager Administration GUI** and the **Infoprint Manager Operations GUI** have provided performance enhancements to improve the response when polling the Infoprint AIX server for processing jobs and printers.

## New and Updated Printer Support

The latest service release either introduces or enhances support for the following printers:

- Infoprint Color 130 Plus Printer
- Infoprint 1120 Workgroup laser printer
- Infoprint 1125 Workgroup laser printer

- Infoprint 1130 Workgroup laser printer
- Infoprint 1140 Workgroup laser printer
- Infoprint 1145 Workgroup laser printer
- Infoprint 4100 Advanced Function Printing System

## New and Updated Documentation

The following PDFs that are available from our Infoprint Manager for AIX site map web page have been either newly created or revised.

- *Infoprint Manager for AIX: Getting Started* (S544-5817-00)
- *Guidelines for Installing Infoprint Manager for AIX 3.2 in an HACMP Configuration* (S544-5818-00)
- Configuring and Using Infoprint Email
- Configuring and Using Infoprint Fax
- Creating Default Users
- Infoprint Manager for AIX Readme
- Infoprint Manager GUI Readme
- Infoprint Manager Select Readme
- Installing Infoprint Manager on Your AIX System
- Using AIX Fast Connect for Preflighting Jobs
- Using SAPconnect Support for Fax-Out and Fax-In
- Working with the Infoprint PPML Transform Program

## New and Revised man Pages only Available in English

If you apply PTF U474311, you will find three new and 24 revised **man** pages.

The new **man** pages are **ppml2afp**, **stopsapconnectd**, and **startsapconnectd**. To access them online, apply the PTF and type **man *commandname*** from an AIX command line.

The following 24 **man** pages have been revised, but are stored in the English **man** page directory only. To access them online, you must export the **MANPATH** environment variable:

1. From an AIX command line, type **export MANPATH=/usr/share/man/en\_US**.
2. Type **man *commandname***.

**Note:** To view other translated **man** pages, you must export the **MANPATH** environment variable to the path previously specified.

To view any of these commands from product documentation, access the latest version of the **Infoprint: Reference** manual from the AIX Product Library page on the web (<http://www.printers.ibm.com/R5PSC.NSF/Web/ipmrefinfo32>). These pages are only available in English, but will be translated with the next national language service update for Infoprint Manager.

The 24 revised **man** pages:

- **line2afp**
- **lprafp**
- **pdaccount**
- **pdclean**
- **pdcreate**
- **pdcrmed**

- **pddelete**
- **pddisable**
- **pdenable**
- **pdl**
- **pdmod**
- **pdpause**
- **pdq**
- **pdpr**
- **pdreorder**
- **pdresubmit**
- **pdresume**
- **pdrm**
- **pdset**
- **pdshutdown**
- **pdspace**
- **oflag**
- **rc.iprsap**
- **startcbd**

## Administration and Operations GUIs may cause 100% CPU Utilization

When using the Administration and Operations GUIs, an interaction between polling, a large number of retained jobs, and sorting may cause 100% CPU utilization. Polling retained jobs causes the GUIs to recalculate the time until discard for retained jobs. This causes the GUI to resort the retained jobs. For a large number of objects this takes longer than the polling interval, and the GUIs are continually sorting.

To resolve this problem, please turn off sorting of retained jobs or increase the polling interval.

## Windows server cannot read "version" file in AIX 5.1 namespace

Please note that the following condition applies only if your configuration consists of interoperating Infoprint Manager for Windows NT/2000 servers and Infoprint Manager for AIX servers. If your configuration only consists of Infoprint AIX servers, the following will not impact your operations.

Message 5010-845: This server cannot run with a namespace at Version 999.999 is issued when you are running on an Infoprint Manager for Windows NT/2000 server that is interoperating with an Infoprint Manager for AIX server that is running AIX Version 5.1 or above, and you are unable to start the server on the Windows NT/2000 system.

To fix this situation, complete the following:

1. Ensure that your Service Configuration is properly set by going to the **Edit** menu in the MMC and clicking on **Service Configuration**. The **Base namespace path** should contain the path to your exported file system on the Infoprint AIX server, for example, G:; and the **Remote namespace folder** should contain the path on the Infoprint AIX server, for example, amber:/var/pddir/default\_cell.
2. Go to a Windows command prompt and change to the drive specified in **Base namespace path** on the **Service Configuration** dialog. At the prompt, enter type version. If the response is 3.0, your sharing is set up properly.

3. Stop all servers using the namespace. When all servers are stopped, go to a Windows command prompt and enter erase version.
4. Go to the MMC and select **Debug→Create namespace**.
5. This recreates the version file, and the Infoprint Manager for Windows NT/2000 server should start up and interoperate correctly with the Infoprint AIX server.

## Configuring to print DBCS documents in Japanese

To print DBCS documents, you need to configure the resources for your actual destination, the job, and the default document as described in the following sections.

In order to print DBCS documents, you must define a PSF TCP/IP or PSF Channel-attached printer that supports DBCS.

**Note:** Ensure that you have installed the DBCS fonts and that the resident code page matches the downloaded font character set by copying `codepage.grd` and `charset.grd` to `/var/psf/printer_name`, where `printer_name` is the name of the printer you defined to print DBCS documents.

### Configuring your Infoprint Manager Actual Destination Resources

Open the Advanced Infoprint Manager Administrator GUI, highlight the printer you have defined for printing DBCS documents, and right click on the printer. Then use the following procedure to configure the printer or actual destination resources.

**Note:** If you are using only printer-resident fonts or outline fonts, you do not have to set the **Default font resolution** to 240. Therefore, you can omit steps 2 and 3 of the following procedure.

1. Select **Properties** and then click **Show more**.
2. Select the **Appearance** tab and select **240** as the **Default font resolution**.
3. Ensure **240** is listed under values for **Font resolution allowed**. If **240** is not listed, highlight **240** under **Possible values** and click **Add**.
4. Enter `/usr/lpp/afpfonts` in the **Location of fonts** entry field.
5. Enter `/usr/lpp/afpfonts` in the **Location of resources** entry field.
6. Click **OK**.

### Configuring your Job and Default Document Resources

Open the Advanced Infoprint Manager Administrator GUI, highlight the logical device you have defined for printing DBCS documents, right click on the logical device, and select **Job and Document Defaults→Modify**. Then use the following procedure to configure the logical device resources.

**Note:** If you are using only printer-resident fonts or outline fonts, you do not have to perform step 4.

1. Click **OK** and then click **Show more**.
2. Select the **Document PSF Resources** tab, enter `/usr/lpp/afpfonts` in the **Location of fonts** entry field, and enter `/usr/lpp/afpfonts` in the **Location of resources** entry field.
3. Click **OK**.
4. Select the **Document Print Quality** tab and highlight **240** in the **Font resolution** pull-down and in the **Printer resolution requested** pull-down.
5. Click **OK**.

## Intermittent garbled banner page and ASCII print file on Infoprint 1130

The banner page that prints on the Infoprint 1130 prints incorrect characters on the banner page at random times. The next print jobs produce a normal, readable banner page. Resending the job with the garbled banner page usually results in a normal banner page.

## New medium objects not available with `pdcrmed` command for Infoprint 2000 AFP

The following new medium objects for the Infoprint 2000 AFP printer cannot be created with the `pdcrmed` command:

- universal paper
- ledger
- 7.75x4 (envelope)
- 8x10
- 8.5x10
- RA4
- RA3
- 14x17
- 14x18

To use the `pdcrmed` command for these sizes, erase the line that starts with `-medium-size=` in the `/bin/pdcrmed` script for each of these objects.

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## Release Notes for Version 3.2.0 PTF U474310 (June 2001)

### Functional Enhancements in Latest Service Release

The following functional enhancements are included in PTF U474310 (June 2001):

- Makes the following enhancements to the Infoprint Manager GUIs:
  - In the Advanced and Distributed views, the following default values are set automatically for PSF actual destinations:
    - **media-supported**
    - **media-ready**
    - **sides-supported**
    - **plexes-supported**
    - **printer-resolutions-ready**
    - **printer-resolutions-supported**
  - Adds the following tasks:
    - Change Job Batch for Actual Destinations
    - Change Job Batch for Job and Default Jobs
    - Copy/Create PSF Upload SNA Printer wizard
    - Copy/Create PSF Upload TCP/IP Printer wizard
- Provides the PDF Parallel RIP Client (**pdfprs**) to improve the speed of transforming PDF data with color jobs printed on the Infoprint Color 130 Plus Printer.
- Supports monitoring memory use on the Infoprint AIX server, with the option of defining and establishing recovery options through customizable exit programs or shell scripts.

- Provides the Infoprint **pdpr** print command as a client on HP-UX 11.0 or higher operating systems to expand the flexibility of Infoprint Manager.
- Enhances the **sap2afp** transform to better support Output Text Format (OTF) data stream commands for users running SAP R/3 Release 4.6.x by:
  - Adding support for image subclasses **I** and **J** to the **RawData (RD)** command.
  - Add support for the **Bitmap (BM)** command.
  - Adding support for rotating bar codes to the **Bar code (BC)** command.
- Added **FastPath** procedures for operators.

## New and Updated Printer Support

The latest service release enhances support for printing on the following printers:

- Infoprint Color 130 Plus Printer
- Infoprint 4000 Advanced Function Duplex Printing System – Models ID5/ID6
- Infoprint 4000 High Resolution Duplex Printing System

## New and Updated Documentation

The following PDFs that are available from our Infoprint Manager for AIX site map web page have been either newly created or revised.

- Infoprint Manager: Reference (S544–5475–07)
- Monitoring Memory Use on your Infoprint AIX Server
- Using the Parallel PDF RIP
- Infoprint Manager for AIX Readme
- The following Operator FastPath procedures:
  - Interrupting and restarting a job that's currently printing
  - Moving backward or forward in a job that's currently printing
  - Setting up high speed printers for spacing
  - Stopping a printer to perform scheduled maintenance
  - Fixing a printer problem and starting to print again

## Changes to the Infoprint 70 Printer Media Sizes

The Infoprint 70 printer media sizes supported have changed in Infoprint Manager. Instead of supporting **iso-b4-\*** and **iso-b5-\***, Infoprint Manager will support **jis-b4-\*** and **jis-b5-\*** media sizes for this printer. With regard to this change, please make any changes necessary to an actual destination's **media-supported**, **media-ready**, **input-trays-medium**, and **psf-trays-characteristics** attributes.

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## Release Notes for Version 3.2.0 PTF U475405 (May 2001)

### Functional Enhancements in Latest Service Release

The following functional enhancements are included in both PTF U475406 (May 2001) and PTF U474309 (March 2001):

- Support for the Infoprint 70 Printer.
- **Infoprint DBCS Font Downloader**- Utility for downloading PostScript fonts from a Macintosh system to Infoprint Manager.
- **Infoprint Manager GUI online help systems** upgraded to use JavaHelp-- including new contents, index, and search features.
- Tutorials added to Infoprint Manager GUIs.

- Improved interface for Color Rendering Intent, allowing users to control how out-of-gamut colors are simulated on an IBM Infoprint Color 130 Plus printer.
- Enhancements to the **Infoprint Manager Administration GUI** and the **Infoprint Manager Operations GUI**.
- Simplified installation of the SAP Print Feature on SAP application servers with the introduction of the Infoprint Manager SAP Client package.
- Enhanced the SAP data stream transform by allowing users to print 1 and 2-inch high characters on IBM 6400 printers.
- Enhanced PSF other-driver attached actual destinations to allow jobs with specified document-formats to pass through the device without being transformed.
- Allows printing Japanese Message at the end of a job.
- Enhanced reporting of Infoprint AIX server memory constraints.

## **New Publications and Translated Publications available with PTF U475405 (May 2001)**

One of the CD-ROMs shipped with PTF U475405 (May 2001) contains revised publications in English and some of the translated languages used with Infoprint Manager for AIX. The Infoprint Manager for AIX: Publications (NLV), SK2T-9320-00, has also been updated with the revised publications in English and some of the translated languages, and it is orderable online at:  
<http://www.elink.ibm.com/public/applications/publications/cgibin/pbi.cgi>.

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## **Release Notes for Version 3.2.0 PTF U474309 (March 2001)**

### **Functional Enhancements in Latest Service Release**

The following functional enhancements are included in PTF U474309 (March 2001):

- Support for the Infoprint 70 Printer.
- **Infoprint DBCS Font Downloader**- Utility for downloading PostScript fonts from a Macintosh system to Infoprint Manager.
- **Infoprint Manager GUI online help systems** upgraded to use JavaHelp-- including new contents, index, and search features.
- Tutorials added to Infoprint Manager GUIs.
- Improved interface for Color Rendering Intent, allowing users to control how out-of-gamut colors are simulated on an IBM Infoprint Color 130 Plus printer.
- Enhancements to the **Infoprint Manager Administration GUI** and the **Infoprint Manager Operations GUI**.
- Simplified installation of the SAP Print Feature on SAP application servers with the introduction of the Infoprint Manager SAP Client package.
- Enhanced the SAP data stream transform by allowing users to print 1 and 2-inch high characters on IBM 6400 printers.
- Enhanced PSF other-driver attached actual destinations to allow jobs with specified document-formats to pass through the device without being transformed.
- Allows printing Japanese Message at the end of a job.
- Enhanced reporting of Infoprint AIX server memory constraints.



## New and Updated Printer Support

The latest service release either introduces or enhances support for the following printers:

- IBM Infoprint 70 printer
- Infoprint 2000 for AFP Printing.
- Infoprint Color 130 Plus Printer

## New and Updated Documentation

The following PDFs that are available from our Infoprint Manager for AIX site map web page have been either newly created or revised.

- Infoprint Manager Operator GUI Tutorials
- SAP R/3 Support: Configuration and Printing Tasks
- Infoprint Manager for AIX Readme
- Infoprint Manager GUI Readme
- Infoprint Manager Select Readme
- Installing Infoprint Manager on Your AIX System
- Printing PCL or PostScript to PSF Destinations: Specifying Which Paper Bin to Use
- Printing Scenarios for Infoprint Manager with the Infoprint Color 130 Plus
- Setting Up Finishing Options for the Infoprint 60
- Setting Up Finishing Options for the Infoprint 70
- Setting Up Finishing Options for the Infoprint 2000 AFP
- Using Infoprint Manager with the Infoprint 70
- Using Infoprint Manager with the Infoprint Color 130 Plus
- Using a PSF Other-Driver Printer for Printing all Jobs from a Single Actual Destination

## Changes not translated

Changes and enhancements made to Infoprint Manager for AIX Version 3 Release 2 are being translated currently and are planned to be available in the next PTF. This becomes evident when you access an area of either the Infoprint Manager Administration GUI or the Infoprint Manager Operations GUI that has changed and it shows up in English, while surrounding information shows up in the translated language.

**Note:** The Infoprint Manager GUI help systems changed dramatically in Infoprint Manager for AIX PTF U474309. As a result, the help systems for all language versions of the GUIs will appear in English only. Also, the version of the GUIs that run on an AIX server will continue to work with Java 1.1.8 as well as Java 1.3.0, while the GUIs that run on Windows systems will only work with IBM Cross Platform Technologies Version 2.0.

## Enhanced reporting of AIX System Memory Constraints

Infoprint AIX servers will send notifications of system memory constraints through two new server **events-supported** attributes that are tied to two existing Infoprint Manager messages:

- 5010-648: **low-on-memory**
- 5010-647: **memory-exhausted**

**Note:** New Infoprint AIX server default events will not automatically appear in the **notification-profile** of the Infoprint AIX server (**pdserver**) that existed before applying this PTF. You will need to add them manually by setting the Infoprint AIX server's **notification-profile** to the default:

```
pdset -c server -notification-profile==server_name
```

where *server\_name* specifies the host name of the Infoprint AIX server.

If you have previously modified the **pdserver**'s notification-profile, you can apply these two new events by accessing the **Infoprint Manager Administration GUI**, and taking the following steps:

1. Select **Server-->Properties**.  
This change will apply to all servers currently being monitored. If your print installation is monitoring more than one server, the **Select Server** dialog will display after this step.
2. Select the **Other** tab.
3. Use your cursor to highlight the exiting **Notification Profile** field.
4. Click the **Modify** button to the right of the **Notification Profile** field.
5. From the **Modify Notification** dialog, hold down the **Shift** key to select both the **low-on-memory** and the **memory-exhausted** events, then select the **Add** button to move these events to the **Events to Notify** column.
6. Click **OK** to apply this change and close the **Add Notification** dialog.
7. Click **OK** to close the **Server Properties** tab.

## Infoprint Advanced Server Changes Default to Keep Failed Jobs

Infoprint has changed the default on hold and save of failed RIP files in the Advanced Server. The default used to be to delete failed jobs. Now the default is to keep failed jobs. Please check your queues regularly to avoid experiencing a sudden back-up of failed jobs after upgrading your system to PTF U474309. Queues that existed prior to the PTF are unchanged. Only new queues created after the PTF is installed are affected by this change.

A Distributed or Production (Advanced Server) system might want to delete failed jobs to keep the queues clean and free of bad files. To change back to the old default, select the queue in the Infoprint Manager Administration GUI. Select **Queue-->Keep failed jobs** to open the **Keep Failed Jobs** dialog. Select the **No** radio button and click **OK** to close the dialog.

## Print PDF Files with BSD DSS Printer

You cannot print PDF files on an Infoprint AIX DSS Printer. To print PDF files on either an Infoprint 70 or an Infoprint 21, configure them as BSD DSS printers, using the **rembak** command, or a similar command that does not add any printer initialization data to the job. This will allow PDF documents to be passed through to the printer. Use the **Infoprint Manager Administration GUI** to add the PDF attribute to the printer:

1. Select **Printer-->Properties**.
2. Select the **Document** tab.
3. From the **Printer Properties** dialog, select **pdf** attribute from the **Formats allowed** Possible values view, then select the **Add** button to move these events to the **Values** column.

4. Click **OK** to apply this change and close the **Printer Properties** dialog.

### **Printing Japanese Messages at the End of a Job**

If you apply this service PTF, you can choose to have messages print in Japanese at the end of each print job. As with printing any Japanese print jobs, you must have already installed Japanese AFP fonts on your system, have your server running Japanese locale, and your printer must be DBCS-capable. If you have installed these prerequisites and can print DBCS output in Japanese, this support is enabled and messages print in Japanese automatically.

If you do not install the appropriate fonts, Infoprint Manager defaults to printing the appropriate message in English.