

InfoPrint Manager for AIX PTF U815456 (March 2008) Release Notes

Version 4 Release 2

Note:

Before using this information and the product it supports, read the information in "Notices" on page 7.

These release notes apply to InfoPrint Manager for AIX, Version 4 Release 2 Modification 0 with PTF U815456 (March 2008).

Internet

Visit our home page: <http://www.infoprint.com>

You can send comments by e-mail to printpub@us.ibm.com or by mail to:

InfoPrint Solutions Company
6300 Diagonal Hwy 002J
Boulder, CO 80301-9270
U.S.A.

© Copyright InfoPrint Solutions Company 2007. All rights reserved.

Contents

About PTF U815456 (March 2008).	1
InfoPrint 5000 Model AS1 and AD1/2 procedure . . .	1
Printing PDF and PostScript files on the InfoPrint 5000 printer Models AS1 and AD1/2 with hot folders from InfoPrint Manager for AIX	1
Known problems and work arounds	3
Unreadable Japanese in InfoPrint Manager GUIs with Vista	3
InfoPrint Submit Express with Vista	3
InfoPrint Manager for AIX does not support the IPP DSS	4

Limitations:	4
IBM Personal Communicator 6.2.1	4
Indexed Multiple Data Sets	4
Longer processing for color text that uses embedded fonts	4
APARs included in PTF U815456	4

Notices	7
Trademarks.	9

About PTF U815456 (March 2008)

PTF U815456 (March 2008) for InfoPrint® Manager for AIX®, Version 4 Release 2 , includes revisions to the following publications:

1. InfoPrint Manager for AIX: Introduction and Planning Guide, G550-1060-00.
2. InfoPrint Manager for AIX: Procedures, G550-1066-00.

The information is available at the InfoPrint Solutions Company home page on the web at <http://www.infoprint.com> .

This PTF includes:

- Support for IBM AIX 6.1 operating system with two exceptions: InfoPrint Job Ticketer and DCE.
- Added color resources specifically built for the InfoPrint 5000 Models AS1 and AD1/2 to InfoPrint Manager enabling our image, PDF, and PostScript transforms to generate full color AFP based upon these resources created by the InfoPrint color science team.
- Added support for the following printers:
 - InfoPrint Color 1754
 - InfoPrint Color 1764
 - InfoPrint Color 1764 MFP
 - InfoPrint Color 1767
 - InfoPrint Color 1759 MFP
 - InfoPrint Color 1769 MFP
- Added support for IBM Java 5.0 to the Submit Express Client
- Added support for IBM Java 1.4.2 SR9

Note: With PTF U811589 in November 2007, InfoPrint Manager added support for SAP OTF Unicode data. The *InfoPrint Manager: SAP R/3 Planning and Configuration Guide*, S550-1051-00, was published in November 2007, and it describes the changes.

Important

All InfoPrint Manager servers should be upgraded at the same time. Do not forget to also upgrade any secondary InfoPrint Manager servers.

InfoPrint 5000 Model AS1 and AD1/2 procedure

Printing PDF and PostScript files on the InfoPrint 5000 printer Models AS1 and AD1/2 with hot folders from InfoPrint Manager for AIX

To print PDF and PostScript files on the InfoPrint 5000 printer Models AS1 and AD1/2 with InfoPrint Manager for AIX, you can use hot folders.

When you use hot folders, you must complete minor configuration tasks.

Verifying bos.cifs_fs fileset is installed

To print to an InfoPrint 5000 printer hot folder from InfoPrint Manager for AIX requires the bos.cifs_fs fileset.

To verify that the bos.cifs_fs fileset is installed:

1. Enter this command:

```
lspp -l | grep cifs
```
2. You see results similar to these:

```
bos.cifs_fs.rte 5.3.0.61 COMMITTED Runtime for SMBFS
bos.cifs_fs.smit 5.3.0.60 COMMITTED SMIT Interface for SMBFS
bos.cifs_fs.rte 5.3.0.61 COMMITTED Runtime for SMBFS
bos.cifs_fs.smit 5.3.0.0 COMMITTED SMIT Interface for SMBFS
```
3. If the bos.cifs_fs fileset is not installed, contact your System Administrator.

Connecting to the InfoPrint 5000 hot folder

To connect to an InfoPrint 5000 printer hot folder from InfoPrint Manager for AIX, you need to issue a mount command.

To issue a mount command:

1. Log in as root.
2. Enter this command for Model AS1:

```
>mount -v cifs -n printerIPAddress/none -o fmode=707 /simplex /mnt
```
3. Enter this command for Models AD1/2:

```
>mount -v cifs -n printerIPAddress/none -o fmode=707 /duplex /mnt
```
4. Press enter when prompted to enter a password.

Note: If either InfoPrint Manager for AIX or the InfoPrint 5000 printer are shutdown, you need to re-issue the mount command.

Running scripts before printing PDF and PostScript files

All hot folders must be created from the InfoPrint 5000 printer operator panel. The hot folders can have different job attributes, such as the actual destination to print the job (**actual-destination-requested** job/default job attribute) or the combination of start, end, or separator sheets to use with a job (**auxiliary-sheet-selection** job/default job attribute).

To enable the InfoPrint 5000 hot folder support, run scripts on the InfoPrint Manager server to create a new BSD DSS printer (together with a new logical destination and a new or existing queue), to create the custom transforms that allows InfoPrint Manager to convert the input data to the corresponding output data format, and to assemble the list of transform objects previously created on the BSD DSS printer.

To configure the InfoPrint Manager server to enable hot folder support on the InfoPrint 5000 printer:

1. Log on to your InfoPrint Manager server.
2. Locate the scripts provided by InfoPrint Manager: /usr/lpp/pd/bin
3. Type this commands:

```
run_customization_1.sh nameOfServer nameOfAD
nameOfQueue nameOfLD nameOfLocalFolder/yourhotfolder
nameOfServer
```

Specify the name of the InfoPrint Manager server where to create the destination.

```
nameOfAD
```

Specify the name of the new actual destination that will be created.

nameOfQueue

Specify the name of the existing queue or a new queue.

nameOfLD

Specify the name of the new logical destination that will be created.

nameOfLocalFolder

Specify the name of the local mount point.

yourhotfolder

Specify the name of the hot folder created at the InfoPrint 5000 printer console.

4. Verify that a new actual destination and logical destination were created by checking the InfoPrint Manager Administration GUI.
5. Submit a PDF or PostScript test job to the InfoPrint 5000.

Example script

```
run_customization_1.sh sage ip5k ip5K-q ip5k-ld "/ip5k/hmi_hf"
```

ipk5 is the local folder.

hmi_hf is the remote sub-folder

Known problems and work arounds

Unreadable Japanese in InfoPrint Manager GUIs with Vista

If you are using the Windows Vista operating system with the InfoPrint Manager GUIs, you might see unreadable Japanese. To correct this, install IBM Java 5.0 from the Common Client CD-ROM available with this PTF.

InfoPrint Submit Express with Vista

Because IBM Fast Connect for POWER 3.1 does not support Windows Vista, customers running InfoPrint Submit Express on Windows Vista can use SAMBA.

SAMBA is an open source implementation of networking protocols to share files and printers between computers. It provides file and print services to SMB/CIFS clients, including Windows Vista. Samba is freely available under the GNU General Public License. Please consult the license before using it.

The SAMBA AIX installation packages and README instructions are available at this location: http://us1.samba.org/samba/ftp/Binary_Packages/AIX/. You can download and install it on your InfoPrint Manager AIX server. Once the installation is complete, create an ipuser and ipdata share with the subfolders: ipfiles, library, pdf, rip and tickets. When this is complete on the InfoPrint Submit Express Windows Vista client machine, follow the steps already documented in the section "Configuring the InfoPrint Submit Express client for both InfoPrint Manager for AIX and InfoPrint Manager for Windows" in *InfoPrint Manager Print-on-Demand Feature: Submit Express User's Guide, S544-4894*.

If your installation of InfoPrint Submit Express is running on the previously supported Windows operating systems, you can still use IBM Fast Connect as an ipdata file sharing solution.

Note: If you use Netware with Submit Express, contact your IBM Systems Engineer for configuration assistance or platform specific recommendations regarding software support.

InfoPrint Manager for AIX does not support the IPP DSS

The *InfoPrint Manager: Reference*, S550-1052, incorrectly states that InfoPrint Manager for AIX supports the IPP DSS. This is an error that will be corrected in the next release of the manual.

Limitations:

IBM Personal Communicator 6.2.1

Windows 2003 64-bit operating system does not support IBM Personal Communicator 6.2.1, which is used with PSF Direct.

Indexed Multiple Data Sets

MVS Download cannot be used with multiple data sets that have already been indexed (contain AFP TLEs).

Longer processing for color text that uses embedded fonts

When transforming PDF with color text that uses embedded font subsets to black and white or color AFP output, the rip processing can take longer. If you use **savevm=false**, this performance will improve. However, we recommend using the current default of **savevm=true** because in some cases, PDF input files with many embedded font subsets might fail to transform. The **savevm** option appears on the **ps2afp/pdf2afp** command line as: **-pragma pdf2psoptions=savevm=true**.

APARs included in PTF U815456

PTF U815456 includes resolution for these APARs:

APAR	Description
IO07678	Server hung while waiting for the seglist name from psfin.
IO08180	MO:DCA data stream using PTOCA SIA (Set Intercharacter Adjustment) Text Control that is 5 bytes in length (the SIA can be generated in either 4 byte or 5 byte versions) results in: 0420-609 ERROR: Text control length X'05' is not valid.
IZ02275	Print adjust at start of job causes X'027701' NACK (XOH-DGB).
IZ06577	Job fails with NACK X'0292..01' Overlay not activated.
IZ06603	OTF job with multiple CR/LF controls fails
IZ07199	The ainmain core during shutdown with IMP enabled.
IZ07424	psfapid cores when client comes down without unregistering
IZ07518	psfapid cores when an HACMP fails over
IZ07662	killprocs.ksh fails to stop the pdserver with its name of '-' character
IZ08024	Paper Jam at start of job causes X'027701' NACK (XOH-DGB)
IZ09562	ainmain core during PSF initialization and PSF termination
IZ09868	On PU7 German system, when using the Help->Search option in the IPM GUI Client, the application closes unexpectedly.
IZ09929	form-length not applied to system pages and message pages
IZ10041	Job stop commands don't work on Eldora ph2
IZ10042	CMR related fixes

APAR	Description
IZ11279	When transforming ABAP files, the sap2afp transform adds an extra blank line at the top of each page (except the first one); this problem becomes visible when a pagedef with conditional processing is used; the first line (the blank one) will be tested for the condition, instead of the first line from the original file.
IZ12999	Some fonts will look incorrect after converting pdf to afp.
1Z14297	After applying PU7 as a result of APAR IZ03251, when PDIDTABLE is set to 0 each job receives the message "5010-149 Cannot create a local job ID.
IZ15029	Intermittent PSF ABEND when using Interrupt Job function.
IZ15210	Explicit Saved Page mode fails with 0420-124: ERROR: Structured field BDT (X'D3A8A8') was received when one of the following structured fields was expected: BSG, MDR, MPO, PPO, ESG.
IZ15293	The pdserver hangs if the pdjobs file is missing some local ID entries or it is corrupt.
IZ15706	Memory leaks from tempnam() call.
PK57951	Using a custom raster font character set which includes optional vertical size information, the text is printed in the wrong point size.

Notices

This information was developed for products and services offered in the U.S.A.

IBM® may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property rights may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785 U.S.A.

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

IBM World Trade Asia Corporation
Licensing
2-31 Roppongi 3-chome, Minato-ku
Tokyo 106, Japan

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation
Department 11PA Building 002S
PO Box 1900
Boulder CO 80301 USA

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee. The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurement may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding InfoPrint Solutions Company's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

For online versions of this book, we authorize you to:

- Copy, modify, and print the documentation contained on the media, for use within your enterprise, provided you reproduce the copyright notice, all warning statements, and other required statements on each copy or partial copy.
- Transfer the original unaltered copy of the documentation when you transfer the related IBM product (which may be either machines you own, or programs, if the program's license terms permit a transfer). You must, at the same time, destroy all other copies of the documentation.

You are responsible for payment of any taxes, including personal property taxes, resulting from this authorization.

Your failure to comply with the terms above terminates this authorization. Upon termination, you must destroy your machine readable documentation.

Trademarks

These terms are trademarks or registered trademarks of Ricoh Co., Ltd., in the United States, other countries, or both:

AFP
AFP Color Consortium
AFP Color Management Architecture
CMOCA
Color Management Object Content Architecture
InfoPrint
Infoprint
Intelligent Printer Data Stream
IPDS
Mixed Object Document Content Architecture

These terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

AIX
DB2
IBM
POWER
RETAIN

Adobe and PostScript are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft® and Windows® are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.