

Printing Systems Division



Infoprint Manager for AIX PTF U805636 (December 2005) Release Notes

Version 4 Release 2

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Note!

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

First Edition (December 2005)

This edition applies to Infoprint Manager for AIX, Version 4 Release 2 Modification 0, and to all subsequent releases and modifications until otherwise indicated in new editions or technical newsletters. Be sure to use the correct edition for the level of the product.

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About PTF U805636 (December 2005)

PTF U805636 (December 2005) for Infoprint® Manager for AIX®, Version 4 Release 2, includes revisions to the *Infoprint Manager Reference*, S544-5475. The information is available at the IBM® Printing Systems Division home page on the web at <http://www.ibm.com/printers> or in the IBM Printing Systems Division Information Center at <http://publib.boulder.ibm.com/infocenter/printer>.

This PTF includes:

- “PCL2AFP: support for the Line Printer font”
- “SAP2AFP Japanese special characters support”
- “MVS Download Receiver daemon trace flag” on page 2
- “New attribute and option: submitter-ip-address”
- “Select support for Windows 2000 Server and Windows 2003 Server” on page 2
- “Limitations and corrections” on page 4
- “APARs included in PTF U805636” on page 5

Important

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

PCL2AFP: support for the Line Printer font

In addition to the embedded Microtype fonts, the PCL2AFP transform may also use the Line Printer embedded bitmap font.

The following file has been added:

- **Line Printer font file:** /usr/lpp/psf/pc12afp/LPR0Y00C.ONE

The following files have been changed:

- **PCL fonts file:** /usr/lpp/psf/pc12afp/pc1p2___f.fco
- **Plugins file:** /usr/lpp/psf/pc12afp/plug___i.fco

SAP2AFP Japanese special characters support

The SAP Japanese code page configuration files have changed to improve support. See the *Infoprint Manager: Reference*, for more information.

To support the printing of box characters, IBM provides these customized conversion files with the SAP2AFP transform for Japanese: **IBM-1399-SAP2AFP**, which extends the IBM-1399 conversion file.

New attribute and option: submitter-ip-address

The **job-owner** field in the **Owner** column of the Infoprint Manager server accounting logs now has a new option: **job-owner (client IP address)**. This option uses a new attribute: **submitter-ip-address**. The **submitter-ip-address** (job only) attribute identifies the IP address of the remote client that is submitting jobs to Infoprint Manager. Jobs that are submitted through local receiver/gateways (such as IPP, LPD, or MVS Download) are not considered remote. For this attribute to be used,

the `SUBMITTER_IP_ADDRESS_FORMAT` environment variable must be set to `IPADDR`. If this environment variable is not set, the **job-owner (client IP address)** will never appear.

See the *Infoprint Manager: Reference*, for more information.

MVS Download Receiver daemon trace flag

The `-t` flag may be set with the `mvsprsd` command to specify tracing. The trace file is named `trace.log.<port>` and is created in the AIX working directory. Only one previous trace file is maintained, and it is called `trace.log.BAK.port`. The trace file is moved to the backup trace file when the file exceeds 10 MB in size at a document boundary.

If the IBM provided shell script is used with the `-x` flag, the files passed to the script and the intermediate files generated by the script will not be deleted when the script completes processing. You must delete these files manually.

Select support for Windows 2000 Server and Windows 2003 Server

Select will be supported on the following versions of Windows 2000 and Windows 2003:

- Windows Server 2000 Standard Edition with Service Pack 4 or higher
- Windows Server 2003 Standard Edition with Service Pack 1 or higher

Note: Select is not supported on any 64 bit versions of Windows.

Using Infoprint Select in a Windows Terminal Server (WTS) Environment

Infoprint Select may be used in a Windows Terminal Server Environment, however, some functions should be disabled by the administrator. The following items need to be considered for use by WTS clients:

1. Enhanced Infoprint Select cannot be used and should be disabled.
2. Error messages should be disabled.
3. The Select Notification client should be disabled or administrators need to assign a unique Select Notification port to each user.

Enhanced Infoprint Select

By default, enhanced Infoprint Select is disabled for each client. However, if Enhanced Infoprint Select is enabled on a WTS client, the **Job Settings** dialog that may appear after a job submission will not be displayed in the client session console, but will be displayed in the main server console. Any files that are submitted using Enhanced Infoprint Select will not print until **OK** is clicked on the **Job Settings** dialog of the main server console. All jobs submitted after the first one will not print until **OK** is clicked on the **Job Settings** dialog of the main server console. Therefore the ability for clients to enable Enhanced Infoprint Select **should be disabled**.

Infoprint Select Error Messages

When errors are detected upon submission of a job, an error message is usually displayed. Jobs submitted by WTS clients, however, will not display this message in the client session console, but will display the message on the main server console.

The file will not print until **OK** is clicked from the main server console. Therefore, Select error messages should be suppressed. When error messages are suppressed, files that fail submission to the Infoprint Manager server for any reason will be deleted from the Windows spool for the printer. An option is available to pause the failed job, but if the option is used then the administrator will need to periodically check for failed jobs and take the appropriate action to avoid filling up the disk on the server.

Select Notifications

By default, the installation of Infoprint Select adds the Select Notification program to the **Startup** directory of all users. The default installation will not work on WTS clients. You can choose to either disable Select Notifications for your users or you can configure and manage the Select notification ports for each user to allow each user to use Select Notifications. If you wish to allow each user to use Select Notifications, each user will need to be assigned a unique TCP/IP port on the WTS server. The administrator must ensure that each user has a unique port assigned. If two users are assigned the same port, one user will get all notification messages for both users. The other user will receive no notification messages.

WTS Server Configuration

After Infoprint Select is installed, perform the following procedures. All of the procedures must be completed from an administrator userid.

Select.ini file

Select creates a .ini file for each userid to store that user's settings. The file is generated the first time Select is invoked by each user if it does not already exist. The file is stored in `<Select_install_path>\<userid>\Select.ini`. The WTS administrator should create or modify the existing file for all users. The file should look like the following:

```
[User Preferences]
Notification Port=5157
Use default .att file=0
Default .att file=
[Submission Window]
Suppress=1
[Job Recovery]
Pause jobs if submission fails=0
Suppress submission errors=1
```

The key settings are:

- Notification Port=5157 - Must be set to a unique port number if Notifications are being used. If Select Notifications are not being used, it does not need to be changed.
- Suppress=1 - Suppresses the Job Settings Dialog
- Suppress submission errors=1 - Suppresses errors found during submission.
- Pause jobs if submission fails=0 - Optionally may set this to 1 to cause failed jobs to be retained on the WTS Windows spool for resubmission by the administrator.

Client Desktop Programs

The default installation of the following programs should be modified. The following instructions indicate how to remove items. Instead of removing them, they may be moved to the equivalent folder under the Administrator userid or another userid.

1. Select Notification in Startup - If Select Notifications are not being used, remove the Select Notification Startup from all users by deleting **C:\Documents and Settings\All Users\Start Menu\Programs\Startup\Infoprint Select Notification**.
2. Select Menu - The following should also be removed to prevent problems:
 - a. **C:\Documents and Settings\All Users\Start Menu\Programs\Infoprint Select\Activate Job Settings Dialog**
 - b. **[Optional] C:\Documents and Settings\All Users\Start Menu\Programs\Infoprint Select\Change the Notification port**
 - c. **[Optional] C:\Documents and Settings\All Users\Start Menu\Programs\Infoprint Select\Infoprint Select Notification**

Limitations and corrections

Limitations

Infoprint Manager Email and Fax destinations contain internal fonts that do not contain the Euro character. These internal fonts cannot be configured or modified. In order to print the Euro character, use the "no resident" version of the sample grid files shipped with Infoprint Manager. If you need the Euro character, follow the steps outlined in the *Infoprint Email support* section of the *Infoprint Manager for AIX: Procedures* guide or the *Configuring fax out* section of the *Infoprint Manager for AIX: Generalized Fax* guide, depending on your needs. Before you send any jobs to the Fax or Email destination, open a window on the AIX server where the Infoprint Manager Email or Fax destination was created:

1. Go to the `/var/psf/<fax or email destination object directory>`. For example, if the `<fax or email destination object directory>` was named **faxout**, you would go to `/var/psf/faxout`.
2. To copy the 'no resident' versions of the sample font grid files into the Fax or Email destination subdirectory, follow the directions in the *Using the 'no resident' version of the sample grid files* section of the *Using global resource identifiers* chapter in the *Infoprint Manager: Procedures* guide.

Corrections

- In the *Infoprint Manager for AIX: Procedures* guide, chapter 2, *Installing and configuring printer devices and related hardware*, there is an error. In the section *Starting the Halftone Management System client*, the instructions state that you can start the Halftone Management System (HMS) using the GUI or the command line. The HMS should only be started using the command line with the following command:
`./usr/lpp/pd/ipca1/bin/runca1ib`. Note that there is no "&" argument following this command as shown in the *Infoprint Manager for AIX: Procedures* instructions. The "&" argument instructs the operating system to run the command in the background, and this produces undesirable results.
- In the *Infoprint Manager for AIX: Getting Started* guide, chapter 8, *Large file support*, there is an error. In the section *Enabling large file systems*, steps 4 and 6 should be interchanged. That is, perform step 6 before you perform step 4. This applies to the `/var/pd`, `/var/psf`, and `/var/psf/segments` file systems.

APARs included in PTF U805636

The December 2005 PTFs include resolution for these APARs:

APAR	Description
IO02238	Japanese PDF file processed incorrectly by 3016.103 rip.
IO02475	The ainmain crashes when failing to create a temporary file.
IO02594	Messages missing from NLS message catalogs.
IO02602	Allow non-administrator to run PPFA.
IO02825	Bullets appear as clocks and not as bullets.
IY67470	Get psfin to work with larger number of copy counts.
IY71289	The pcl2afp transform creates zero length output without generating any errors.
IY75949	AD icon turns red / needs key op after cancel and ainmain core.
IY76069	CJK font substitution package is not recognized by IPM ps2afp.
IY76134	Plex incorrect after IPDS exception.
IY77029	AFP backend crashed on a customer pcl file.
IY77048	pcl2afp adds vertical lines after transformation.
IY77227	For multi-page documents with mixed page orientations, the ps2afp transform does not automatically rotate the pages.
IY77437	Invalid parameter in smitty in Japanese locale.
IY77506	Memory leak in command processor query code.
IY77734	Rip-and-hold jobs re-queued to AD quickly causing problems.
IY77961	Message 0423-370 issued when duplex not set.
IY78095	Select host port field always populated with 6874.

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