
Release Notes for InfoPrint ProcessDirector for AIX 1.3.1 PTF US00108 (July 2009)

These release notes provide information about InfoPrint® ProcessDirector for AIX®, Version 1 Release 3 Modification 1 (Program Number 5765-G74) with PTF US00108 (1.3.1.200).

This PTF includes fixes for the base product and the following features:

- Transforms
- Manufacturing Optimization
- Inserter Level I and Inserter Level II
- SLA
- AFP™ Editor
- AFP Indexer
- Reports

It also includes the following functional improvements:

- **External DB2® support**

With this PTF, you can choose to use the internal version of DB2 that is installed as part of InfoPrint ProcessDirector or you can choose to purchase and install a separate version of DB2 and let InfoPrint ProcessDirector use it. The external version of DB2 must be version 9.5 or later, and it must be installed on the same server as the InfoPrint ProcessDirector primary server. Refer to *InfoPrint ProcessDirector for AIX: Planning and Installation* (G550-1045) for additional information about installing and using an external version of DB2.

- **Manual failover support**

This PTF provides instructions for installing a configuration that contains a backup primary server and a storage area network (SAN). In this configuration, some of the InfoPrint ProcessDirector file systems are stored on the SAN and used by both the active and the backup primary servers. The PTF includes scripts that you can run to transfer processing from the active server to the backup server and back again. Refer to *InfoPrint ProcessDirector for AIX: Planning and Installation* (G550-1045) for additional information.

- **New step templates**

The following step templates have been added to the base product:

- SubmitInputFiles

This step template accepts single input files or multiple input files for processing. If the step receives a single input file, it creates a single job using the specified child job type. If the step receives multiple input files, it creates a parent job and two or more child jobs.

- WriteJobLog

This step template writes the contents of the job log to an audit file while the job is still in the system, instead of waiting until the job has finished processing.

- **Banner page enhancements**

Banner page support has been updated to let you include a specific instance of a positional attribute on a banner page. Previously, the system could not

distinguish between multiple iterations of a banner page property value and would concatenate the values before printing them.

- **New method: `getCurrentAFPFile`**

The `getCurrentAFPFile` method returns the name of an AFP print file in the `/tmp` subdirectory of the spool directory for the job. If a file that contains a page range selected from the original print file exists, it returns the name of that file. If not, it returns the name of the original print file. This is useful for working with reprinted jobs, which can contain a subset of the original job.

- **Enhanced document support**

If you have an Inserter feature or the Manufacturing Optimization feature, you can now work with documents in an AFP job using a new Documents portlet on the Main page of the user interface. Using the portlet, you can find one or more documents in the system either by scanning a document bar code or by entering properties of the document or associated job. For example, if you know the job number or job name, you can find all the documents in the job. Then, you can do these document-level actions: view the document contents, view the document properties, create a job to process the documents, and display the associated job in the Jobs table so that you can do job actions.

If you have an Inserter feature, you can use the new Documents portlet to reprint documents that are damaged after they have been inserted and you have reconciled the job in InfoPrint ProcessDirector. Using the portlet, you can find the damaged documents in the system by scanning the inserter bar codes on the documents and then create a job to reprint them. (Scanning bar codes lets you find the documents even if you do not know the original job number or job name.) In addition, the Reconcile Job page in the user interface now lets you scan the entire inserter bar code on a document (or any portion of the bar code) to find and reprint a damaged document. This means that you no longer need to reconfigure your bar code scanners to scan only one InfoPrint ProcessDirector document property in the inserter bar code.

- **Reports feature enhancements**

The following functions have been added to the Reports feature:

- Ability to view the time that a job started to print in the Printing Volume Report
- Ability to enter hours and minutes in the custom time range field
- New report for the Inserter features

This report provides data about the reconcile process, including information such as: length of time it took to reconcile the job, the operator who did the reconciliation, and the disposition of each document. The report is only installed if one of the Inserter features is installed.

- **Inserter feature enhancements**

The following functions have been added to the Inserter features:

- Ability to request a reprint printer on the job type (in the step based on the Reconcile step template) for automatic and manual reconciliation
- Ability for the transform step to correctly locate the smaller reprint version of a job after reconciliation, for jobs that must be transformed to another datastream type before reprinting.

Previously if the inserter controller used the closed-loop reprint method, the reprint step would select the complete print file, transform it, and send it to the printer.

If the inserter controller uses the closed-loop reprint method, the transform step must use the new `getCurrentAFPFile` method to get the file name of the

smaller reprint file to transform. For information, see topic **Configuring job types for insertion** in the information center (English-only).

Installation alerts

InfoPrint Manager for AIX Version 4 Release 3 support

To install this PTF on the same server with InfoPrint Manager for AIX, you must install InfoPrint Manager for AIX, Version 4 Release 3 (Program Number 5648-F35), starting with its most recent service pack, because changes were made in both products for printer support. Installing or upgrading either product modifies components that are shared between the products.

- Before you install or upgrade either product on the same server, stop both the InfoPrint Manager for AIX and InfoPrint ProcessDirector for AIX servers.
- If you have InfoPrint Manager for AIX, Version 4 Release 2 (Program Number 5765-F68) and InfoPrint ProcessDirector installed on the server, you cannot install this PTF. You must either uninstall InfoPrint Manager or install InfoPrint Manager for AIX, Version 4 Release 3, starting with the most recent PTF CD.

Hardware requirements for the Inserter Level I and Level II features

If you install the Inserter Level I or Level II feature, these system hardware requirements replace the base InfoPrint ProcessDirector requirements:

- One or more 1.9 GHz or faster processors.
- A minimum of 200 GB free hard-drive space. More space might be required, depending on the number of documents.
- A minimum of 12 GB RAM.

Incorrect primary server listed when installing secondary server

When you install a secondary server, the installer tries to determine the name of the primary server and display it. Sometimes, the name is not correct. Be sure to verify the name of the primary server that the installer displays. If it is incorrect, click **Back**, type the name of the primary server, and continue with the installation.

Known limitations, problems, and workarounds

Base product

Browser for InfoPrint ProcessDirector for AIX with AIX 5.3

Firefox is the preferred browser for InfoPrint ProcessDirector for AIX, and it is included on the AIX installation CDs. If you install Firefox and add the Adobe[®] plug-in to the browser but the script does not work (that is, Adobe Acrobat Reader is not added as a plug-in on the About plug-ins box of Firefox), you might need to use Mozilla as the browser on your server instead.

You can get Mozilla from the IBM[®] Web site (<http://www.ibm.com>). Enter mozilla 1.7 AIX in the search field and follow the links. After you install Mozilla, see *InfoPrint ProcessDirector: Planning and Installation* (G550-1045), Chapter 2, for instructions about adding the Adobe plug-in.

After you install the browser (either Firefox or Mozilla), try to open it. You might see this error:

Cairo 1.4.10 does not yet support the requested image format

To fix the problem:

1. Add this line to the `xserverrc` file located in `/usr/lpp/X11/defaults` just before
`>>>> Start X-Window System: EXTENSIONS=$EXTENSIONS" -cc 4"`
2. Reboot the system.

Text displayed in English

In some cases, English text is shown in the user interface where translated text should appear. Usually, this text appears because the page contains properties or actions that were added after the page was translated.

AIX secondary server names

Do not use double-byte characters in the name of an AIX secondary server.

Messages and descriptions not shown in the expected language

During the installation process, you are asked what language the server should use for some messages and descriptive text on the user interface. Your selection is used to set the language for the `aiw1` user that is created for InfoPrint ProcessDirector. Sometimes that language setting does not take effect, so messages in the printer log or descriptions of objects supplied with InfoPrint ProcessDirector appear in English instead of the language that you selected. To make sure that you receive printer messages in the desired language, you can set the **Printer language** property on each printer. For other text, you can edit the `aiw1` user profile and specify the desired language.

Printer messages appear in English

Messages from the printer-driver component of InfoPrint ProcessDirector are displayed in the language you select for the **Printer language** property. The printer-driver component does not provide messages in Brazilian Portuguese, Russian, Simplified Chinese, or Traditional Chinese, so you cannot select those languages as values for the **Printer language** property. These messages appear in the server log and on the message page that prints after a print job.

Banner pages print in portrait orientation

Configuration files to format the content of banner pages are only available in the portrait orientation. If you change the setting for the **Banner page** property on the printer, it has no effect.

Processing AFP files containing multiple documents

The AFP architecture lets applications place multiple documents within a single file, with the document boundaries marked with Begin Document (BDT) and End Document (EDT) structured fields. Applications might use this function to cause finishing operations, such as stapling or binding, to operate on each document separately.

The **EnableRepositioning** and **CreatePageRanges** steps provided in many job types supplied with InfoPrint ProcessDirector map pages to sheets so that the **Jump to** and **Print again** functions can reliably locate a page in the job and so that the **CreateInserterReprints** step can reprint documents that were damaged during insertion. However, the **EnableRepositioning** and **CreatePageRanges** steps cannot process files that contain multiple documents as described above.

If a job containing multiple documents is processed by the **EnableRepositioning** or **CreatePageRanges** step, an error occurs that prevents the job from printing. You can remove those steps from the job type being used to process the job and the job will print, but you will no longer be able to use sheet numbers or indexing tags to select pages in the viewer when using the **Jump to** and **Print again** functions. If the job type contains the **CreateInserterReprints** step, do not remove the **EnableRepositioning** and **CreatePageRanges** steps because these steps are required to reprint documents damaged during insertion.

AFP file viewer restriction

The AFP file viewer does not apply any modifications in the form definition (such as print direction, page position, constant back, and N_UP page positioning).

User login name restriction

Do not end user login names with the space character. If you do, the user appears to be valid. However when that user logs in for the first time and is asked to change his expired password, the user is logged out and cannot log in again.

Changing (UID) and group ID (GID) values for the default user

During installation, you can choose to use the default UID and GID for the InfoPrint ProcessDirector user or enter different values. However, if you enter new values, they are not retained. The default UID and GID are still used for the InfoPrint ProcessDirector user.

Recommended file system sizing for external DB2 instance user

The instance user used for an external DB2 requires a minimum amount of space in its home directory. If the space in the directory is not adequate, the DB2 instance cannot be created.

The default home directory of the DB2 instance owner is /home. The minimum size for the directory is 500 MB of free space.

Migrating from internal to external DB2 does not save Reports data

When you run the migrateDB.sh script to migrate to an external DB2, the script backs up most system objects and migrates them to the external database. However, it does not back up data from the Reports feature. If you have the Reports feature installed, backup the system by running /opt/IBM/aIW/V1.0/extensions/reports/backup.pl before you run the migrateDB.sh script. After you run the migration script and reinstall InfoPrint ProcessDirector, run /opt/IBM/aIW/V1.0/extensions/reports/restore.pl to restore the report data.

Features

InfoPrint Visual Workbench and double-byte fonts

The InfoPrint Visual Workbench user interface cannot display all AFP objects, and it might not display some text and AFP objects with complete fidelity. Double-byte fonts do not display correctly. Outline fonts are mapped to Java™ fonts.

Symbolic notation for InfoPrint Visual Workbench control file name

If you have the AFP Indexer, AFP Editor, Inserter, or Manufacturing Optimization feature, you can now use symbolic notation for the name of the InfoPrint Visual Workbench control file in a job type. Using symbolic notation, you can use the same job type for input files that require different InfoPrint Visual Workbench control files.

For example, to create InfoPrint Visual Workbench control file for input files "abc.afp" and "xyz":

1. In InfoPrint Visual Workbench, save the control files with the name of the input file plus the .ctl extension:

Table 1.

Input file name	Control file name
abc.afp	/aiw/aiw1/control_files/workbench/abc.afp.ctl
xyz	/aiw/aiw1/control_files/workbench/xyz.ctl

2. When you configure the job type for input files abc.afp and xyz (in the step based on the IndexAFP, EditAFP, or IdentifyDocuments step template), specify:

Table 2.

Property	Value
InfoPrint Visual Workbench	/aiw/aiw1/control_files/workbench/\${Job.InputFile}.ctl

`${Job.InputFile}` causes InfoPrint ProcessDirector to set the value of the **InfoPrint Visual Workbench** property to the name of the input file plus the .ctl extension.

For more information about symbolic notation, see the InfoPrint ProcessDirector information center.

Manufacturing Optimization feature and external DB2

If you plan to use an external version of DB2 and you want to install the Manufacturing Optimization feature, do not activate after you install the base feature. Install the Manufacturing Optimization feature update for PTF US00108 before you activate.

Insertter and Manufacturing Optimization steps must run on primary servers

The step templates that are installed by the Insertter and Manufacturing Optimization features can only run on the primary server. If your environment includes InfoPrint ProcessDirector secondary servers, you must tune those step templates to run only on the primary server.

The step templates are:

- BuildAFPFromDocuments
- ChangeJobType
- CompleteDocuments
- CreateAFPJobsFromDocuments
- CreateInsertterReprints
- CreateJobsFromDocuments
- GroupDocuments
- IdentifyDocuments
- InsertJobs
- ReadDocumentsFromDatabase
- ReadDocumentsFromParent
- Reconcile
- SendInsertterControlFile
- SetDocPropsFromConditions
- SetInsertProperties
- SetJobProps
- SetJobPropsFromOriginal
- SortDocuments
- SplitDocuments
- WaitForDocumentCompletion
- WriteDocumentsToDatabase
- WriteInsertterControlFile

Uninstall programs for Insertter features fail

The uninstall programs provided with the Insertter features do not function as expected. If you need to uninstall either of those features, contact InfoPrint Support.

Directory change in Insertter Level I feature

The name of directory fbi_basic has changed to fbi-basic to make it consistent with other directory names. Sample insertter rules files are now stored in: /opt/IBM/aiv/V1.0/extensions/fbi-basic/samples/icf, though the property help and translated information center topics refer to the previous directory.

Waiting state in the InsertJobs step

If the insertter controller specifies the automatic completion method, the **InsertJobs** step places a job in the Waiting state while it waits to receive the results file for the job from the insertter. Non-English versions of the help for messages and the

information center incorrectly state that this InsertJobs state is Processing instead of Waiting.

Maximum documents to reprint (%) values of 0 and 100

The **Maximum documents to reprint (%)** job property lets you specify the maximum percentage of documents in a job that can be marked for reprint during automatic reconciliation before automatic reconciliation stops and the operator must manually reconcile the job. If you specify 0 or 100, no maximum percentage applies. Automatic reconciliation continues even if all documents in the job are marked for reprint.

Installing the Transform feature with an external DB2

If you want to use an external version of DB 9.5 with InfoPrint ProcessDirector, and you plan to install one or more transform features, the usual installation instructions for the transform features fail. When you are ready to install the transform features, do these steps:

1. Insert the Transform feature CD in the drive.
2. Open a command prompt and navigate to the CD drive.
3. Enter this command:

```
./setupitm.bin -V allow_itm_core_install=true -W verify_ippd.active=false
```

4. Enter this command, replacing transform_name with the Transform feature that you want to install (ps2afp, pdf2afp, pcl2afp, sap2afp, or afp2pdf)

```
./transform_name -W bean4.active=false
```

Custom configuration files for reports

If you create custom configuration files to use with the Reports feature, those files are not saved in the same location as other backup files (/tmp/aiwsave) when you apply service. They are saved in /tmp and can be restored from that location manually.

APARs included in this PTF

The PTF is cumulative; it includes new fixes in addition to all the fixes that have been released in previous updates. These APARs have been resolved in this PTF:

APAR	Description
IO10645	PSF cores when a NACK causes an IMP to be printed immediately after the last page of the job has stacked.
IZ35755	Support larger than 2Gb inline resource group
IZ36956	-opa 300 character limit causing MVSDL receiver to crash
IZ47817	When attempting to view a job, message "FTD0018E not enough memory available ..." is issued so the viewer cannot display any index information
IZ47992	Change audit file naming scheme to avoid collisions.
IZ48414	When using "PRINT AGAIN" and selecting the first document, only page 1 is available for selection.
IZ48642	Add support for line data object position migration triplet to display shading in images.

APAR	Description
IZ49541	If an external program is called that sets the field "Job.RetainDuration=1" IPPD posts the error "InfoPrint ProcessDirector cannot assign the datatype Java.lang.String to the datatype java.lang.Integer for property Retention period."
IZ50174	Cannot process a job with \$ as the first character of the filename.
IZ50331	Increase limit of fonts per page from 127 to 253
IZ50439	Tolerate PEC structured field inAFP Editor Feature
IZ50704	IOCA inline resource cannot be found when its BRS contains FQN triplet
IZ51034	IPPD Viewer does not show Greek characters.
IZ51282	Wrong path in Message: The host name in /aiw/aiw1/servers.cfg does not match the IP address of the system.
IZ51691	Configuration file servers.cfg is overwritten after a stopaiw with an inappropriate host name value. Upper/lowercase issue.
IZ52687	Server crashes (out of memory) every night just after 00:00
IZ53799	After failover, jobs fail
IZ55392	As part of a print again request, the CreatePageRanges step displays an OutOfMemory failure.

Fixes for these APARs have been released in the past and are also included in this PTF:

APAR	Description
IZ09376	Viewing large file causes viewer and Web server crash
IZ18214	Files with inline True Type fonts fail
IZ27273	Jobs processed through ITM fail with message AIWI6135E
IZ28743	Message page not printed following NACK causing terminate
IZ31771	No error message printed for NACK "020D..05"; job terminated
IZ32784	Two or more \$\$ in FORMDEF/PAGEDEF names cause ACIF errors
IZ33932	New LPR and Download Input Devices accept jobs only after stopaiw/startaiw
IZ37500	IPPD server crash / core
IZ38206	Add Color Mapping Table (CMT) Support
IZ39879	ACIF does not find inline formdef with x01 triplet on BRS
IZ40186	Memory leaks during execution of ACIF
IZ40335	Printer language setting does not stick
IZ41049	Operator commands override NACK recovery
IZ41050	Wrong font for message page or IMP with implicit saved pages
IZ41910	Pause/resume failures on jobs with multiple inline resources
IZ42303	Job status is 'spooling' but job is 'printing'

APAR	Description
IZ43383	PSF had processed all the data and the NPRO timer had popped. While processing an NPRO, a paper jam occurred. After clearing the jam, the customer issued a pause printer command. When PSF is in NPRO state, it doesn't check for a return code to see if the printer was paused, so after pausing the printer, PSF assumes it is done with the job. Any resume printer command that follows will be ignored.
IZ43839	PSF crash intermittently when printing a job with a job overlay.
IZ44513	Jobs with CMR or unwrapped Data Objects, and also with Data Object Fonts fail with an exception of an invalid or unsupported IPDS™ command length or IPDS command header length too small.
IZ44659	On a large file enabled filesystem, afpsplit cannot open files which are larger than 2GB.
IZ45458	A NACK before sending data to printer causes PSF to lose the page counter. The job ends unexpectedly or pause/resume command does not work.
IZ46825	When scheduling multiple child jobs from one group at once for the printer, the printer stops and starts randomly during printing.
IZ47671	Blank space(s) in JCL parms coming through MVS™ Download cause the InfoPrint ProcessDirector job to fail.
IZ47679	Document change: "The AFP file viewer does not apply any modifications in the form definition (such as print direction, page position, constant back, and N_UP page positioning)."
IZ47797	For some jobs (not related to the job itself), the server reports a stacked pages count that is lower than the real number of stacked pages (off by 1).
IZ47902	Repositioning to the first page of a document with media collection level finishing causes the 0277 NACK and the job disappears.
IZ47930	During the install and activation process the "Next Job ID" resets to "Smallest job number."
IZ48043	Processing of SNMP OIDs fails on Toshiba printer.
IZ48075	SQL error is generated when a job is processed or deleted and recreated, then run though the ArchiveDocumentData step

Product documentation

See *InfoPrint ProcessDirector for AIX: Planning and Installation* (G550–1045) for pre-installation planning, installation tasks, and post-installation tasks.

After it is installed, you can access the InfoPrint ProcessDirector user interface from a Web browser on the AIX, Linux®, and Windows® workstations in your network. The user interface contains field-level help and an information center for InfoPrint ProcessDirector. The information center contains administrative and operational topics that help administrators, operators, and supervisors learn about InfoPrint ProcessDirector. It also includes procedures that describe how to use the product.

To use the online help:

1. Access the user interface at **http:// hostname:15080/aiw**. Replace *hostname* with the name of the machine where the primary InfoPrint ProcessDirector system is installed.
2. To view the information center, click **Help** from the top task bar.
3. To access field or property help:
 - a. Log in to the user interface:
 - 1) Type the default user name of aiw and the default password of aiw.
 - 2) Click **Log in**. You are prompted to change the password before you can log in to the user interface.
 - b. Click the question mark icon for help about a field or property.

Base product documentation

User documentation CD updated

The *InfoPrint ProcessDirector for AIX: User Documentation CD*, GK4T-4011, has been updated with this service pack. An ISO image of this CD is available on the InfoPrint ProcessDirector service pack download page; you can also order the CD from InfoPrint Solutions Company.

To access the InfoPrint ProcessDirector service pack download page:

1. Open the InfoPrint Solutions Company home page at <http://www.infoprint.com>.
2. Click **Support & Maintain**.
3. On the left side of the page, click **Online Hardware and Software Support**.
4. Under **Software support**, click **InfoPrint ProcessDirector**.
5. Click **Downloads and drivers**.
6. Click the link for PTF US00108.

Updated publications

With this service pack, these InfoPrint ProcessDirector publications are updated:

- *InfoPrint ProcessDirector: Developing Web Services* (G550-1152)
- *InfoPrint ProcessDirector: Integrating with Other Applications* (S550-1069)
- *InfoPrint ProcessDirector for AIX: Planning and Installation* (G550-1045)

Additions to the information center

Various topics have been added to the information center and other topics have been updated to include additional information. These changes have not yet been translated, so the English version of the information center contains the most current information.

You can automatically view the new topics in English in a non-English information center. However, to view the updated topics, you can either:

- Change the language that your browser uses to English.
- Open the Web version of the information center: InfoPrint ProcessDirector for AIX.

These topics have been updated in the English information center:

Section	Updated topics
Overview	<ul style="list-style-type: none"> • Secondary servers • InfoPrint ProcessDirector features
Installing	<ul style="list-style-type: none"> • Verifying the installation • Installing on Linux servers • Installing on AIX servers • Installing feature or extension software • Uninstalling features or extensions
Configuring	<ul style="list-style-type: none"> • Configuring to use Download for z/OS® • Configuring to use AFP Download Plus • Configuring to use the LPD protocol • Printing bar codes on banner pages • Updating properties for banner pages • Setting up Hot folder input devices to process several files together • Setting up Hot folder input devices to set job properties from text files • Setting up Hot folder input devices to process JDF job tickets • Assigning job types • Setting up step templates for external steps that use the command line or control files • Setting up step templates for external steps that use hot folders • Job types for non-AFP jobs • Defining a job type to print non-AFP data to a Passthrough Printer • Grouping child jobs • Copying objects from another system • Configuring control files for job audit information • Filtering the Jobs table • Print commands used with the LPD protocol • Changing automatic refresh settings
Managing objects	<ul style="list-style-type: none"> • Starting primary and secondary servers • Stopping primary and secondary servers • Deactivating the primary or secondary server autostart script • Activating the primary or secondary server autostart script • Applying service updates on AIX secondary servers • Submitting a batch of input files
Working with jobs	<ul style="list-style-type: none"> • Finding jobs using a user-defined filter • Reprinting jobs • Viewing job logs • Viewing jobs • Editing the character set definition file • Editing the TrueType font definition file • PDF viewer controls
Security	<ul style="list-style-type: none"> • Restricting use of the LPD protocol to submit jobs
Troubleshooting and support	<ul style="list-style-type: none"> • Cannot create Hot folder input device • Messages in InfoPrint ProcessDirector • Logging job information before the job completes • Backing up data • Restoring data • Applying service updates on the primary server • Applying service updates on Linux secondary servers • Applying service updates on AIX secondary servers

Section	Updated topics
Reference	<ul style="list-style-type: none"> • SetJobTypeFromFileName • CopyToFolder (step template) • RunExternalProgram (step template) • WaitForRelatedJobs (step template) • DownloadMultiple • DownloadMultipleJobType • LPDAFPMultiple • LPDLineDataMultiple • Windows print commands • Using InfoPrint ProcessDirector methods such as getFileName • Count candidate printer jobs (Web service) • Submit a job (Web service) • Submit a job using a job ticket (Web service) • Sample control files for job audit information • Sample control files for banner pages • File system mapping file for job tickets • Database property names for input devices • Database property names for input files • Database property names for jobs • Job properties that can be set from the job ticket • Database property names for media sizes • Database property names for media types • Database property names for printers • Database property names for servers • Database property names for step templates • Job properties that can be set from the job ticket

These new topics are included in the information center in English only:

Section	Updated topics
Working with jobs	<ul style="list-style-type: none"> • Logging job information before job completes
Troubleshooting and support	<ul style="list-style-type: none"> • Cannot log in to both InfoPrint Transform Manager and InfoPrint ProcessDirector • Unexpected results with portlets on the Main page • Job continues processing on InfoPrint Transform Manager • Viewer reports PDF file structure error after transform • Whole job reprints instead of selected pages • User interface freezes
Reference	<ul style="list-style-type: none"> • Using the -outbin parameter in JCL and LPD overrides files

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

To send PDF and PostScript® files to the hot folders on the InfoPrint 5000 printer Models AS1 and AD1/2 with InfoPrint ProcessDirector for AIX, you can set up a job type that uses the **CopyToFolder** step.

To send PDF and PostScript files to an InfoPrint 5000 hot folder, you must:

- Verify that the `bos.cifs_fs` fileset is installed on your primary system.
- Define a job type that includes a **CopyToFolder** step.
- Make sure that your primary AIX system is connected to the InfoPrint 5000 printer.

Verifying that `bos.cifs_fs` fileset is installed:

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

To verify that the `bos.cifs_fs` fileset is installed:

1. Enter this command:

```
lslpp -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.

Defining a job type to submit a file to an InfoPrint 5000 hot folder:

To submit a print job to a hot folder on an InfoPrint 5000, you must create a job type that uses the **CopyToFolder** step.

To define the job type:

1. Log in as an administrator.
2. On the Main page, click the **Administration** tab.
3. In the left pane, click **Workflow** → **Job Types**.
4. Select the **OutputPDF** job type.
5. Click **Actions** → **Copy**.
6. Type a name for the new job type.
7. Under the **Prepare** phase, click the **Delete step** button next to the **TransformJobIntoPDF** step.
8. Click the name of the **CopyToFolder** step.
9. Delete the contents of the **External Command [Print] [CopyToFolder]** property and replace it with a command that looks like this:

```
cp ${getFileName(print,${Job.InputDatastream},read)}
/mnt/destinationHotFolder/${Job.Name}
```
10. Replace *destinationHotFolder* with the name of the directory that the InfoPrint 5000 printer uses as a hot folder:

```
cp ${getFileName(print,${Job.InputDatastream},read)} /mnt/yourhotfolder
on the InfoPrint 5000/${Job.Name}
```
11. Click **OK**.
12. To use the new job type, select it and click **Enable**.

Connecting to the InfoPrint 5000 hot folder:

To copy files into a hot folder on an InfoPrint 5000, that hot folder must be mounted to the InfoPrint ProcessDirector primary server.

You can mount the hot folder using the **mount** command.

Note: If either InfoPrint ProcessDirector or the InfoPrint 5000 printer is shut down, you need to re-issue the **mount** command.

To issue a **mount** command:

1. Log in to the primary InfoPrint ProcessDirector server 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 Model AD1/2:
`>mount -v cifs -n printerIPAddress/none -o fmode=707 /duplex /mnt`
4. Press Enter when you are prompted to enter a password.

Feature documentation

Updated publications

InfoPrint ProcessDirector: Installing and Configuring the Manufacturing Optimization Feature (G550-1070) has been updated. The following topics have been updated in English only:

- Software requirements - xmllint utility
- Reactivating Manufacturing Optimization

Additions to the information center for features

Various topics have been added to the information center and other topics have been updated to include additional information. These changes have not yet been translated, so the English version of the information center contains the most current information.

You can automatically view the new topics in English in a non-English information center. However, to view the updated topics, you can either:

- Change the language that your browser uses to English.
- Open the Web version of the information center: InfoPrint ProcessDirector for AIX.

Inserter Level I and Inserter Level II features

These topics have been updated in the information center in English:

- Inserter overview
- Inserter reprint methods
- Configuring job types for insertion
- Content Expression Language (CEL)
- Enhancing AFP files for insertion
- Creating bar code formats
- Bar code format objects
- Documents
- Finding jobs waiting to complete insertion
- Finding jobs waiting for reconciliation
- Reconcile
- Configuring banner pages for insertion
- Finding jobs ready to load on an inserter
- Configuring inserter controllers to write results files
- Working with documents
- Finding documents in the system
- Finding documents by properties
- Finding documents by scanning bar codes

- Viewing documents
- Viewing document properties
- Creating jobs to process documents
- Finding the jobs associated with documents
- Defining a job type to print jobs created in the Documents table
- Documents portlet
- Database property names for Inserter
- Database property names for bar code formats
- Database property names for documents

Manufacturing Optimization feature

These new topics are included in the information center in English only:

- Creating bar code formats
- Bar code format objects
- Documents
- Adding steps for insertion to job types for splitting jobs
- Adding references to medium maps in non-standard AFP files
- Missing overlays or wrong duplex output
- File not found errors when files exist
- AFP data standards and requirements (and all sub topics)
- Working with documents
- Finding documents in the system
- Finding documents by properties
- Finding documents by scanning bar codes
- Viewing documents
- Viewing document properties
- Creating jobs to process documents
- Finding the jobs associated with documents
- Defining a job type to print jobs created in the Documents table
- Documents portlet
- Database property names for bar code formats
- Database property names for documents

These topics have been updated in the information center in English:

- Inserter overview
- Inserter reprint methods
- Configuring job types for insertion
- Reconcile
- SetDocPropsFromConditions
- docCustomDefinitions.properties file
- Reprinting documents by reconciling jobs again
- Database property names for Inserter

Customer support

For help installing InfoPrint ProcessDirector, contact Software Support:

- Web page: <http://www.infoprint.com/support>
- Outside the United States: open a call through your country's help line. Level 1 sends it to Level 2 for the Geography. If Level 2 cannot answer the question, the question becomes a PMR in the RETAIN[®] system.

While using the InfoPrint ProcessDirector user interface, see the online help before contacting Software Support.

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- z/OS

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