



Release Notes for InfoPrint Manager for AIX 4.8.1

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This edition applies to InfoPrint® Manager for AIX, Version 4 Release 8.1. It is available on the Ricoh Web site: <http://info.rpp.ricoh-usa.com/help/index.jsp>

We encourage you to become part of the InfoPrint Manager community by visiting our forum at: <http://rpp.ricoh-ipm.forums.net/>, where you can engage in InfoPrint Manager related discussions. Register your account and start participating in the InfoPrint Manager forum threads.

All InfoPrint Manager servers and clients must be upgraded to the same version. Do not forget to upgrade any secondary InfoPrint Manager servers.

What's new in Release 4.8?

- **Former InfoPrint Transform Manager product (LCD2-20009, LCD2-20015, LCD2-20010) is now available as a feature of InfoPrint Manager. The InfoPrint Transform Manager feature is available for purchase with all variants of the InfoPrint Manager AIX, Linux and Windows, but it can only be installed on a stand alone Linux or Windows server.**

For more information, see *InfoPrint Manager: Installing InfoPrint Manager Transform Feature*.

- **Added support for RICOH Pro C7200, C7200S, C7200SL, C7200SX, C7200X, C7210, C7210S, C7210SX, C7210X, C9200, C9210 printers.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*.

- **Added client support for Windows Server 2019 Standard.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*.

- **Added client support for SUSE Linux Enterprise Server 15.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*.

- **Added client support for Oracle Linux Server 7.5.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*.

- **These Web GUI enhancements are available:**

- Improved filter for object viewer on Connection function
- Job search improvements based on certain criteria
- Accessibility improvement on static dialog (focus highlight and tab order)
- Improve Queue port view usability
- Create and Edit option on object creation dialog
- Columns customization dialog
- Menu configuration and customization

- **Notification Event for job rerouted to backup destination and "job reroute" report.**

For more information, see *InfoPrint Manager: Reference*.

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- **Added `xmf1tr.out` to custom steps.**
For more information, see *InfoPrint Manager: Reference*.
 - **Email DSS now supports the resource-context attribute.**
For more information, see *InfoPrint Manager: Reference*.
 - **Added accutone (ls) and dark2 (oc) halftone appearances for all InfoPrint 4100s printer models.**
For more information, see *InfoPrint Manager for AIX: Planning Guide*.
 - **Added the capability to use the job form-definition attribute value when viewing AFP files for higher Job Viewer fidelity.**
 - **Dropped all 32-bit common clients (Command Line Client, InfoPrint Select, Submit Express). You can use the 64-bit clients available with the Common Client product media.**
For more information, see *InfoPrint Manager for AIX: Planning Guide* and *InfoPrint Manager for AIX: Getting Started*.
 - **Dropped support for HP-UX and Sun/Solaris command line client.**
For more information, see *InfoPrint Manager for AIX: Planning Guide* and *InfoPrint Manager for AIX: Getting Started*.
 - **PPFA Feature is now supported on Windows 64-bit platforms (in 32-bit compatibility mode).**
For more information, see *InfoPrint Manager: Page Printer Formatting Aid for AIX and Windows*.
 - **Dropped support for RedHat Enterprise Linux 6.x**
For more information, see *InfoPrint Manager for AIX: Planning Guide*.
 - **The MVS Download log now has the capability of logging events of receiving printing jobs from the Host system.**
 - **The display of rip attributes in the detailed-messages attribute is now available.**
 - **You can now use AFP Full Text Search Capability with Job Viewer.**
For more information, see *InfoPrint Manager: Reference*.
 - **Revised publications:**
 - *InfoPrint Manager for AIX: Planning Guide*, G550-1060
 - *InfoPrint Manager for AIX: Getting Started*, G550-1061
 - *InfoPrint Manager for AIX: Procedures*, G550-1066
 - *InfoPrint Manager for AIX and Linux: Configuring and Tuning Guide*, S550-1062
 - *InfoPrint Manager: High Availability Guidelines*, G550-20261
 - *InfoPrint Manager: Reference*, S550-1052
 - *InfoPrint Manager: PSF, Server, and Transform Messages*, G550-1053
 - *Secure Print: Installing and Configuring*, G550-20129
 - *InfoPrint Manager: SAP R/3 Planning and Configuring Guide*, S550-1051
 - *AFP Conversion and Indexing Facility: User's Guide*, G550-1342

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- *InfoPrint Manager: Dictionary of Keywords*, S550-1188
 - *InfoPrint Manager AFP2PDF Transform Feature: Installing and Using*, G550-1057
 - *InfoPrint Manager: Page Printer Formatting Aid for AIX and Windows*, S550-0801
 - *InfoPrint Manager: Installing InfoPrint Manager Transform Feature*, G550-20160

Limitations

Single Cell Halftone

Single Cell Halftone support has a limitation with the provided transparency support. The small (one bit monochrome) images that are transformed with transparency enabled are not transformed with the Single Cell algorithms. The native PostScript data streams that use the `imagemask` operator are transformed using the original halftone algorithms. The PDF data streams that process small (one bit monochrome) images with transparency enabled also use the original algorithms.

Indexed Multiple Data Sets

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

InfoPrint Manager for AIX and Ricoh ProcessDirector for AIX limitation

InfoPrint Manager for AIX and Ricoh ProcessDirector for AIX cannot coexist on the same AIX machine.

Interchanging set version attribute

The `sap2afp` transform command does not create IS/3 compliant AFP output when converting an ABAP file by specifying 3 as a value for the `-is` flag. The `sap2afp` transform command creates IS/3 compliant AFP output only when the input file is an OTF file.

IBM AIX native printing system does not support IPv6.

IBM AIX native printing system does not support IPv6, so functions such as: LPD or remote queue, are not supported.

InfoPrint Transform Manager Feature limitations

- On the Linux platform, the PDF to AFP transform is only supported on SLES12 and later versions or RedHat 7.1 and later versions.
- SAP2AFP transformer does not support SAP ABAP document format.

Known problems and workarounds

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**.

InfoPrint Manager setup installation

Using the InfoPrint Manager setup graphical installer can cause issues when installing the product. This occurs when the register path is selected and you use the **Back** button after the installer asks for the license key. To avoid this, either have the product license key prepared before the installation process is started or install the product in trial mode and register it after the installation is complete using the License Key Management Application. For more information, see *InfoPrint Manager for AIX: Getting Started*, G550-1061.

Upgrading SAP Clients on Linux

If you are upgrading your SAP clients, update the LOMS definitions for all your InfoPrint Manager printers to point to the updated `ipm_submit`, **`ipm_dev_query`**, **`ipm_job_query`**, and **`ipm_job_cancel`** commands by removing all trailing **.linux** options from the OMS commands. For more information on modifying the OMS commands, see *InfoPrint Manager: SAP R/3 Planning and Configuring Guide*.

License clock tampering problem

If the InfoPrint Manager is installed on a machine with the system date and time older than the current date, the InfoPrint Manager server starts issuing the error: "5010-901 InfoPrint Manager detected a time tampering problem".

Contact your support personnel and ask them to make sure that the system time is synchronized with the Internet time server. Remove the license that caused the problem and reinstall it.

Job status and accounting for nested PJJ jobs

Accounting information reports 0 (zero) pages completed when InfoPrint Manager prints nested PJJ jobs to RICOH controller devices and InfoPrint Manager is configured to wait for the job to print completely (wait-for-job-completion is enabled).

To avoid this situation, use the InfoPrint Manager provided **pioinfo** backend and enable the PJJ JOB counting function using the **-w** option with the printer command, for example:
`/usr/lib/lpd/pio/pioinfo://ricohdevice.yourcompany.com -w`.

Job status and device timeout setting

The device timeout setting can cause the jobs to be reported as failed and the actual destination state to be changed to **needs key operator** when InfoPrint Manager is configured to provide accurate job status (by enabling the **wait-for-job-completion** attribute), which requires the backend program to wait for the jobs to print completely.

If your physical printer has a timeout setting, make sure it is disabled or the timeout value is higher than the necessary time to print your largest possible job when you enable the **wait-for-job-completion** attribute. For Ricoh printers, you can use Remote Maintenance by telnet to make the necessary changes to the direct printing port settings (`diprint` command).

CCRs included in Release 4.8.1

Release 4.8 includes resolution for these CCRs:

DE33001	Continuous SNMP communication with devices causes the server to crash after a long period of time (approximately 4 months).
DE34470	Using "device_controls = plex" option in the configuration file, the pcl2afp transformer generates for the PCL XL input files, an AFP output that contains duplexing ON regardless of what was specified in the input file.
DE34300	Fixing PS2AFP (PDF2AFP) transformer incorrect value adjustment of the -w (width) parameter.
DE34695	Enhance the PS2AFP transformer code to support more than 6 input trays to avoid error 0425-157 MISMATCH BETWEEN PRINT DATA SET AND FORMDEF RESOURCE.
DE34952	Web GUI does not update main area tabs after a delete action is executed on a Job Filter which has an open tab in Main Area.
DE35013	When you apply one or more filters on retained jobs, the jobs disappear after multiple notifications are received.
DE35055	InfoPrint Manager installer fails to stop SAP callback daemon during product updates when the daemon runs for an extended period of time.
DE35088	Missing ICU header files are causing ACIF sample user exits (APKA2E, ASCIINPE) to fail compiling.

Release 4.8.1 includes resolution for these CCRs:

DE35256	Error 5010-096 appears when you create AIX DSS destinations or when you set media ready. InfoPrint Manager is unable to set supported tray and medium due to misinterpretation of nonconsecutive tray flags when it parses colon files.
DE35363	Aligning pioinfo backend program to comply with PJI Tehnical Reference to allow more or fewer types of unsolicited status other than DEVICE, JOB, PAGE, and TIMED.
DE35470	InfoPrint Manager AIX server fails to start when the language is set to Ja_JP.
DE35272	AFP document with constant form controls (page or medium overlay data) printed via PSF Other DSS is missing pages.
DE35644	InfoPrint Manager for AIX server does not authorize specific commands after new installations (using setup) when during the installation steps, the root user is selected as the user that runs the server. This situation does not apply to upgrades.

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- AFP
- Bar Code Object Content Architecture
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- InfoPrint
- Infoprint
- Intelligent Printer Data Stream
- IPDS
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