



Release Notes for InfoPrint Manager for AIX 4.5 (April 2016)



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This edition applies to InfoPrint Manager for AIX, Version 4 Release 5. It is available on the Ricoh Production Print Web site: <http://rpp.ricoh-usa.com/>

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

Starting with Release 4.5, InfoPrint Manager for AIX requires the minimum AIX operating system Technology Level to be installed at one of these versions:

- AIX 6.1 Technology Level 9 or higher
- AIX 7.1 Technology Level 3 or higher

What's new in Release 4.5?

- InfoPrint Manager for AIX is now a 64-bit natively compiled product. However, the ACIF, the PPFA, and the ps2afpi components are still 32-bit applications.

These are the InfoPrint Manager supported clients availability:

| InfoPrint Manager Client vs. Operating System | AIX | Linux | Mac | Windows |
|---|--------|------------------|--------|------------------|
| Command Line Client | 64-bit | 32-bit 64-bit | 64-bit | 32-bit 64-bit |
| SAP Client | 64-bit | 32-bit 64-bit | n/a | 32-bit 64-bit |
| Select | n/a | 64-bit | 64-bit | 32-bit 64-bit |
| Submit Express | n/a | n/a | 64-bit | 32-bit 64-bit |

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|---------------------|--------|--------|-----|------------------|
| Notification Client | 64-bit | 64-bit | n/a | 32-bit 64-bit |
| Java GUI client | n/a | 64-bit | n/a | 32-bit 64-bit |

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060.

- **PS2AFP and PDF2AFP now support JPEG compression, LZW compression, and unsubsampling files for Contone.**

Added **-cmp** flag to the PS2AFP and PDF2AFP transformer for supporting JPEG and LZW compression.

For more information, see *InfoPrint Manager: Reference*, S550-1052.

- **InfoPrint Manager for AIX can run as a non-root user.**

If you are running InfoPrint Manager with a user other than root, make sure that all custom paths needed by the product have read and write permissions for that specific user. Also, the user you are running InfoPrint Manager with, might need specific access to resources. See the “Determining ulimit segment settings” section within the *InfoPrint Manager for AIX and Linux: Configuration and Tuning Guide* publication for further details.

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060, and *InfoPrint Manager for AIX: Getting Started*, G550-1061.

- **InfoPrint Manager for AIX now comes with the Web Operator GUI installed by default. You can enable it by starting the InfoPrint Manager Web Server or disable it by stopping the InfoPrint Manager Web Server.**

For more information, see *InfoPrint Manager for AIX: Getting Started*, G550-1061.

- **The Remote Shell (RSH) and Secure Shell (SSH) protocols are no longer required on SAP and IPM systems with the InfoPrint Manager SAP client for Linux. It fully relies on the pd commands now.**

For more information, see *InfoPrint Manager: SAP R/3 Planning and Configuring Guide*, S550-1051.

- **Added support for Mac OS X 10.10 for InfoPrint Submit Express, InfoPrint Select, and Command Line Client.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060.

- **Removed tape support from AIX SMIT.**

- **Added InfoPrint Manager client support for Windows 10 Pro and Windows 10 Enterprise.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060, *InfoPrint Manager for AIX: Getting Started*, G550-1061, and *InfoPrint Manager for AIX: Procedures*, G550-1066.

- **Dropped support for Windows InfoPrint PPDs for IBM withdrawn printers.**

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- **Dropped support for Windows XP and Windows Server 2008.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060, *InfoPrint Manager for AIX: Getting Started*, G550-1061, and *InfoPrint Manager for AIX: Procedures*, G550-1066.

- **InfoPrint Select client is now supported on Citrix XenApp.**

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060, and *InfoPrint Manager for AIX: Getting Started*, G550-1061.

- **The validity period for the InfoPrint Manager Maintenance License was extended.**

We added a 5 year maintenance license option.

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060, and *InfoPrint Manager for AIX: Getting Started*, G550-1061.

- **Added support for listed Ricoh printer models to InfoPrint Manager.**

These printer models are supported:

- RICOH Pro C7100
- RICOH Pro C7100X
- RICOH Pro C7110
- RICOH Pro C7110X
- RICOH Pro C7100S
- RICOH Pro C7100SX
- RICOH Pro C7110S
- RICOH Pro C7110SX
- RICOH Pro C9100
- RICOH Pro C9110

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060.

- **Added support for InfoPrint Font Collection, Version 3.4.0.**

InfoPrint Manager now supports *AFP Asian Classic TrueType Collection and OpenType fonts*, LCD2-20055 (CD). This CD includes Version 1.0.0 AFP Asian Classic TrueType Collection and OpenType fonts.

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060, and *InfoPrint Manager: SAP R/3 Planning and Configuring Guide*, S550-1051.

- **Improved (HTML5) Help system for Java GUI, Submit Express, Linux Management Interface, and Submit Express.**
- **Updated IPP Gateway to IPP V2.0 to allow for mobile client job submissions.**
- **The known problem of possible discrepancies of the server accounting logs or job submission failures caused by Daylight Savings Time clock changes was solved in this release. It is no longer required to restart the InfoPrint Manager Server after a Daylight Savings Time change.**

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- Enhanced the Mac InfoPrint Select client with an uninstall script. Added support to sign with the Apple Developer Certificate to ensure application integrity.
 - Improved security by disabling the Web Server SSL connector.
 - Updated Apache Tomcat to version 8.0.32.
 - Added support for PCL Secondary support for additional barcodes: GS1 and Royal Mail Mailmark.

For more information, see *InfoPrint Manager for AIX: Getting Started*, G550-1061.

- The PCL Secondary changes for an existing triplet (0x9C - Presentation Space Size triplet) to support SVG object types. A new triplet (0xFF - Triplet Extender triplet) has been added to extend the local names for secondary resources (FQN 0xBE triplet type) for SVG object types.

For more information, see *InfoPrint Manager for AIX: Getting Started*, G550-1061.

- **Added support for Java 8.**

InfoPrint Manager uses IBM Java on AIX and Oracle on Linux and Windows.

For more information, see *InfoPrint Manager for AIX: Planning Guide*, G550-1060.

- **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
- *InfoPrint Manager Pull Print Feature: Installing and Configuring*, G550-20129
- *InfoPrint Manager Print-on-Demand Feature: Using Submit Express and Job Ticketer*, G550-20271
- *InfoPrint Manager: SAP R/3 Planning and Configuring Guide*, S550-1051
- *AFP Conversion and Indexing Facility: User's Guide*, G550-1342
- *InfoPrint Manager: Dictionary of Keywords*, S550-1188
- *InfoPrint Manager AFP2PDF Transform Feature: Installing and Using*, G550-1057

Limitations

Accounting information when printing PDL nested jobs to Ricoh controller devices reports 0 (zero) pages completed

Accounting information when printing PDL nested jobs to Ricoh controller devices reports 0 (zero) pages completed both when InfoPrint Manager is configured to report job completed when printed (wait-for-job-completion is enabled) and when using InfoPrint TCP/IP Network Port Monitor. If you encounter this problem, contact your local Ricoh printer representative.

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.

Internet Protocol version 6 (IPv6)

InfoPrint Manager does not yet support IPv6. InfoPrint Manager currently requires IPv4.

Indexed Multiple Data Sets

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

Interchange 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.

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.

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.

CCRs included in Release 4.5

Release 4.5 includes resolution for these CCRs:

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| DE12620 | When the job priority is changed, the heavily loaded server crashes. |
| DE23625 | AFP files displayed in the viewer have bold text missing. |
| DE23871 | SAP2AFP does not accept tilde sign (~) for Japanese code pages from ABAP files. |
| DE23875 | The AFP2PDF transformer does not align data with overlay at offset. |
| DE24255 | If the maintenance license is expired, the date is incorrectly displayed on 5010-192 message (for example 09/23/61). |
| DE24416 | ACIF terminates when parameter RESTYPE=INLONLY is used against resources with incorrect structure fields. |
| DE24489 | When multiple coded fonts are consecutively referenced in the data stream, already sent coded fonts are sent to the printer again. |
| DE24713 | Sending email job with subject-text value containing spaces results in error 5010-170. |
| DE24767 | The PDF2AFP transformer fails with error: %%[Error: undefined; Offending Command: BOLD#5d_feDefaultFont_Encoding]%%. |
| DE24828 | When using the PDF2AFP transformer, the AFP file has seemingly random strings of characters missing. |
| DE24918 | Shading missing on the PSF Other PCL6 output. |
| DE24932 | The AFP2PDF transformer runs out of memory in some cases. |
| DE24965 | Due to incorrect Java Runtime path, the migration of the Java GUI clients results in desktop icons not working. |
| DE25033 | Cold backup licenses are ignored if any other licenses (even expired ones) are installed. |
| DE25175 | German incorrect translation ("associated-queue" and "queue-assigned" are both translated as "zugeordnete-warteschlange"). |
| DE25203 | The server generates random error messages 5010-058 "Cannot rename the file or directory". |
| DE25288 | The Chinese character is missing from output when the PSF Other destination is used. |
| DE25372 | The afp2pdf transformer ignores the back page function. |
| DE25560 | The PATH variable in the /etc/environment path gets incorrect during service update in case previous /etc/environment.post-IPR.* file exists |
| DE25587 | The PDF job should not be ripped if account-text or address*-text attributes are used in the email DSS. |

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| DE25591 | The TIFF2AFP transformer crashes on input files containing G4 compression in some cases. |
| DE25733 | The psfapid crashes due to old memory leak. |
| DE25801 | When the startsvr script is started with a locale other than en_US, the server does not start. |
| DE26101 | InfoPrint Select caches the IP address of the InfoPrint Manager server incorrectly. |

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- Advanced Function Printing
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- AFP
- Bar Code Object Content Architecture
- BCOCA
- InfoPrint
- Infoprint
- Intelligent Printer Data Stream
- IPDS
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