Release Notes for RICOH InfoPrint Manager™ for AIX 4.14.3

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This edition applies to InfoPrint Manager for AIX Version 4 Release 14.3. It is available in the RICOH Software Information Center at https://help.ricohsoftware.com/swinfocenter.

We are moving our InfoPrint Manager forum discussions to the new **Community** platform at https://support.ricohsoftware.com for a more streamlined, user-friendly experience. Register your account and start participating in the InfoPrint Manager forum threads by clicking the **Community** button at the top of the webpage. All previous posts have been successfully transferred, so no discussions have been lost.

An online platform for InfoPrint Manager customers to engage the support team is also available at https://support.ricohsoftware.com. This platform allows customers to open and manage support tickets across their organization. For more information about registering and working with support tickets using the online platform, go to https://help.ricohsoftware.com/swinfocenter/ricoh-software-support/support_project.ditamap/$/support_using_support_site.

⬇ **Note**

- To find out if your country supports opening and managing support tickets directly by customers, contact your local Ricoh representative.

InfoPrint Manager provides an Ideas portal for InfoPrint Manager users to submit feedback to the product management team directly from the product interface. The Ideas portal link is https://ipm-ideas.ricohsoftware.com/.

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

If you are upgrading multiple servers, keep all clients at the older (4.9.1 or earlier) level until all servers are upgraded to 4.9.2 or later. Then upgrade the clients.

You must agree to the terms of the Software Maintenance Agreement (SWMA) before installing the InfoPrint Manager software.

What's new in Release 4.14.3?

InfoPrint Manager for AIX 4.14.3 is a service release. Details about the updates below will be included in the publications for the next release, InfoPrint Manager for AIX 4.15.0:

- **The `form-definition` attribute is now available as a selectable option in the Set Attribute list within the Print Rules dialog of InfoPrint Manager Web Administration Interface.**

- **Publications:**

  – **English**

    ♦ *RICOH InfoPrint Manager for AIX: Planning Guide*, G550-1060

    ♦ *RICOH InfoPrint Manager for AIX: Getting Started*, G550-1061

    ♦ *RICOH InfoPrint Manager for AIX: Procedures*, G550-1066

- ◆ *RICOH InfoPrint Manager for AIX and Linux: Configuring and Tuning Guide*, S550-1062
- ◆ *RICOH InfoPrint Manager: High Availability Guidelines*, G550-20261
- ◆ *RICOH InfoPrint Manager: Reference*, S550-1052
- ◆ *RICOH InfoPrint Manager: PSF, Server, and Transform Messages*, G550-1053
- ◆ *RICOH InfoPrint Manager: Secure Print: Installing and Configuring*, G550-20129
- ◆ *RICOH InfoPrint Manager: SAP Planning and Configuring Guide*, S550-1051
- ◆ *AFP Conversion and Indexing Facility: User's Guide*, G550-1342
- ◆ *RICOH InfoPrint Manager: Dictionary of Keywords*, S550-1188
- ◆ *RICOH InfoPrint Manager AFP2PDF Transform Feature: Installing and Using*, G550-1057
- ◆ *Page Printer Formatting Aid for Windows: User's Guide and Reference*, S550-0801
- ◆ *RICOH InfoPrint Manager: Installing InfoPrint Manager Transform Feature*, G550-20160
  - **Japanese**
    - ◆ *RICOH InfoPrint Manager for AIX: Planning Guide*, GB88-4103
    - ◆ *RICOH InfoPrint Manager for AIX: Getting Started*, GB88–4107
    - ◆ *RICOH InfoPrint Manager for AIX: Procedures*, GB88–4109

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 be supported.

InfoPrint Transform Manager feature limitations

• SAP2AFP transformer does not support SAP® ABAP document format.

InfoPrint Manager printing limitation on InfoPrint 5000

You cannot print via a hot folder to an InfoPrint 5000 from InfoPrint Manager for AIX version 7.2.

Job Viewer limitations

• When viewing an AFP Job that uses a form-definition with an n-up value set, the n-up value will be ignored.

• Embedded PDF files can be viewed only when the job is viewed page by page. When viewing the full document, the embedded PDF files are not supported.

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 *RICOH 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 *RICOH InfoPrint Manager: SAP Planning and Configuring Guide*.

License clock tampering problem

If InfoPrint Manager is installed on a machine with the system date and time older than the current date, 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 PJL jobs

Accounting information reports 0 (zero) pages completed when InfoPrint Manager prints nested PJL 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 PJL 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).

AFP files with inline resources might not print correctly when submitted as a multi-document job via pdpr command or Web GUI

Specific AFP documents containing inline resources might be misprinted if the AFP files are sent as multiple documents of the same job. To avoid this situation, submit each file separately.

Unsupported operators in Print Rules configuration on Web GUI

When configuring Print Rules in Web GUI, users cannot apply the logical operators **Is Greater Than** ("**>**") and **Is Less Than** ("**<**") for attribute value comparisons. The **Is Greater Than or Equals** ("**>=**") and **Is Less Than or Equals** ("**<=**") operators should be used instead.

The operators **Has a value (set)** and **Has no value (not set)** are likewise unsupported. As a workaround, these operators can be managed from the command line.

Security fixes included in Release 4.14.3

Release **4.14.3** includes fixes for these CVEs:

OpenSSL® 3.0.18	**Timing side-channel in ECDSA signature computation**
	A timing side-channel which could potentially allow recovering the private key exists in the ECDSA signature computation.
	CVE-2024-13176
	Out-of-bounds read in HTTP client no_proxy handling
	An application using the OpenSSL HTTP client API functions may trigger an out-of-bounds read if the 'no_proxy' environment variable is set and the host portion of the authority component of the HTTP URL is an IPv6 address.
	CVE-2025-9232
IBM Semeru Runtime Open Edition for Java – OpenJDK® 17.0.16	Difficult to exploit vulnerability allows unauthenticated attacker with network access via multiple protocols to compromise Java.
	CVE-2025-30749
	CVE-2025-50106
	Difficult to exploit vulnerability allows unauthenticated attacker with network access via TLS to compromise Java.
	CVE-2025-30754
	Easily exploitable vulnerability allows unauthenticated attacker with network access via multiple protocols to compromise Java.
	CVE-2025-50059
Apache® Tomcat® 10.1.48	**DoS via integer overflow in multipart file upload**
	For some unlikely configurations of multipart upload, an Integer Overflow vulnerability could lead to a DoS via bypassing of size limits.
	CVE-2025-52520

	DoS via excessive h2 streams at connection start
	An uncontrolled resource consumption vulnerability if an HTTP/2 client did not acknowledge the initial settings frame that reduces the maximum permitted concurrent streams could result in a DoS.
	CVE-2025-53506
	H2 DoS - Made You Reset
	Tomcat's HTTP/2 implementation was vulnerable to the made you reset attack. The denial of service typically manifested as an OutOfMemoryError.
	CVE-2025-48989
	Console manipulation via escape sequences in log messages
	Tomcat did not escape ANSI escape sequences in log messages. If Tomcat was running in a console on a Windows operating system, and the console supported ANSI escape sequences, it was possible for an attacker to use a specially crafted URL to inject ANSI escape sequences to manipulate the console and the clipboard and attempt to trick an administrator into running an attacker controlled command. While no attack vector was found, it may have been possible to mount this attack on other operating systems.
	CVE-2025-55754
	Directory traversal via rewrite with possible RCE if PUT is enabled
	The fix for bug 60013 introduced a regression where the rewritten URL was normalized before it was decoded.
	CVE-2025-55752

	Delayed cleaning of multi-part upload temporary files may lead to DoS
	If an error occurred (including exceeding limits) during the processing of a multipart upload, temporary copies of the uploaded parts written to local storage were not cleaned up immediately but left for the garbage collection process to delete. Depending on JVM settings, application memory usage and application load, it was possible that space for the temporary copies of uploaded parts would be filled faster than GC cleared it, leading to a DoS.
	CVE-2025-61795

CCRs included in Release 4.14.3

Release **4.14.3** includes resolution for these CCRs:

RPD3-6505	`afpconcat` fails with error message: Error reading structured fields from file when the input file is larger than 2GB
IPM3-1417	IPW: Wrong variable in the jni environment on the code path were we treat the fail of opening the notification pipe between PSF and server. This caused a severe error in libCallPSF
IPM3-1418	Printing fails when job encryption for InfoPrint Manager for AIX is enabled and a job printing multiple copies is sent to an AIX DSS
IPM3-1423	PSF-Other actual destination of certain MFP printer vendors (e.g., Canon) does not properly detect trays/media information via SNMP due to missing paper size value
IPM3-1425	ISMU does not work correctly when using `pdmodify_to` without archiving or restoring objects on the target server
IPM3-1431	The umlauts are displayed incorrectly in the Status field in the Web GUI
IPM3-1428	Subscription license issue due to experimental mixed namespaces for filesystems and missing exception catch for testing access permission on files
IPM3-1401	Setting properties of PSF actual destination does not stop PSF processes (ainmain) gracefully. This can cause DPF connections to remain active and may lead to "0424-348 DPF resource database has too many active connections."
IPM3-1422	Inconsistent thread handling when delete operation on DFE DSS collides with synchronization thread causes server to crash

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