Release Notes for RICOH InfoPrint Manager™ for Linux 4.15.0

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This edition applies to InfoPrint Manager for Linux Version 4 Release 15.0. 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 4.15.0?

- **Users can now manage all license types, including subscription licenses, directly within the InfoPrint Manager Web Management Interface (WMI)**

  You can now install, delete, and revoke InfoPrint Manager licenses directly from the Web Management Interface. Use the Licenses section to install new license keys, delete individual or multiple licenses, or revoke entire license key sets by Activation ID (AID).

  For more information, see *RICOH InfoPrint Manager for Linux: Getting Started*, the "Managing InfoPrint Manager Licensing" section, or the InfoPrint Manager Web Management Interface (WMI) Help.

- **Encryption at rest and in transit is now configurable through InfoPrint Manager Web Management Interface (WMI)**

  You can now configure encryption at rest and in transit directly from the Web Management Interface. Use the Encryption section to enable data protection during transfer, or encrypt

stored data using your preferred cipher, enhancing overall system security and protecting against data breaches.

For more information, see the InfoPrint Manager Web Management Interface (WMI) Help.

• **Added support in InfoPrint Manager Web Administration Interface (Web GUI) for transferring queues and actual destinations across servers**

Using the Web GUI, you can move InfoPrint Manager queues, actual destinations, and their configurations between servers running on the same computer.

For more information, see *RICOH InfoPrint Manager for Linux: Procedures*, the "Transferring InfoPrint Manager objects across servers" section, or the InfoPrint Manager Web Administration Interface (Web GUI) Help.

• **Added the Virtual Printer Daemon (VPD) Gateway support**

Virtual Printer Daemon (VPD) enables raw print job submission to InfoPrint Manager over TCP/IP. This provides a simple, reliable way to integrate raw print workflows from other operating systems and applications.

For more information, see *RICOH InfoPrint Manager for Linux: Procedures*, the "Using the Virtual Printer Daemon (VPD) Gateway" section, *RICOH InfoPrint Manager for Linux: Getting Started*, the "Understanding the Virtual Printer Gateway" section, or the InfoPrint Manager Web Management Interface (WMI) Help.

• **IPP DSS upgrade with IPPS and attribute support**

InfoPrint Manager now supports IPPS for the IPP DSS, enabling encrypted communication when sending print jobs to remote IPP-enabled printers or print servers. This enhancement protects sensitive print data in transit using TLS encryption.

For more information, see *RICOH InfoPrint Manager for Linux: Getting Started*, the "IPP DSS" topic in the "Selecting from among a PSF, DFE, IPP, CUPS, and BSD DSS" section.

• **IPP Gateway upgrade with IPPS support**

The IPP Gateway now accepts secure inbound connections from external IPP clients using IPPS. With TLS encryption, print job data is protected as it enters the InfoPrint Manager environment.

For more information, see *RICOH InfoPrint Manager for Linux: Getting Started*, the "Understanding the IPP Gateway" section and *RICOH InfoPrint Manager for Linux: Procedures*, the "Using the Internet Printing Protocol (IPP)" section, or the InfoPrint Manager Web Management Interface (WMI) Help.

• **Integrated Keycloak for Federated Authentication**

For more information, see *RICOH InfoPrint Manager for Linux: Procedures*, the "Managing Federated Authentication" section, or the InfoPrint Manager Web Administration Interface (Web GUI) Help.

• **Web Administration Interface (Web GUI) enhancements**:

  – **Displayed auxiliary sheets list**

  – **Added `destinations-used` and `completion-time` to retained jobs details**

  – **Added the Change Job Batch option in the Job and Printer lists**

For more information, see the InfoPrint Manager Web Administration Interface (Web GUI) Help.

• **Enhanced the `pdpr` command to support submitting jobs containing ZIP files**

For more information, see *RICOH InfoPrint Manager: Reference*, the "pdpr command" section.

- **`sendmemo` now supports SMTP Authentication using the PLAIN mechanism (SMTP AUTH PLAIN).**
  For more information, see *RICOH InfoPrint Manager for Linux: Procedures*, the "Enabling Transport Layer Security encryption for sendmemo" topic.

- **Added the `agspdl_max_memory` parameter for the agspdl daemon configuration file**
  For more information, see *RICOH InfoPrint Manager for Linux: Procedures*, the "Daemon configuration files" topic, and *RICOH InfoPrint Manager: Reference*, the "agspdld utility" topic.

- **Added the `REDUCETOFIT` pragma for the APPE transform processing engine**
  For more information, see *RICOH InfoPrint Manager: Reference*, the "pdf2afp and ps2afp commands" section.

- **Redesigned the internal Print Rules architecture to enable language-independent data handling**

- **Added support for RHEL 10, Rocky Linux 10, and AlmaLinux 10**

- **Dropped support for Windows Server 2016**

- **Publications:**

  - **English**

    - *RICOH InfoPrint Manager for Linux: Planning Guide*, G550-20262
    - *RICOH InfoPrint Manager for Linux: Getting Started*, G550-20263
    - *RICOH InfoPrint Manager for Linux: Procedures*, G550-20264
    - *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

Function not supported on InfoPrint Manager for Linux

- Passthrough DSS (available on Windows only)

Limitations

InfoPrint Manager for Linux and RICOH ProcessDirector™ for Linux limitation

InfoPrint Manager for Linux and RICOH ProcessDirector™ for Linux cannot coexist on the same Linux machine.

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).

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.

InfoPrint Transform Manager feature limitations

- InfoPrint Manager for Linux and InfoPrint Transform Manager feature for Linux cannot coexist on the same Linux machine.

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

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`.

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 **enable-ustat-count** option with the printer command, for example: `pioinfo://ricohdevice.yourcompany.com enable-ustat-count`.

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 4.15.0

Release **4.15.0** includes fixes for these CVEs:

OpenSSL® 3.5.5	**Stack Buffer Overflow in CMS AuthEnvelopedData Parsing**
	A crafted CMS message with an oversized AEAD IV can trigger a stack overflow before authentication, enabling denial of service or potential remote code execution.
	CVE 2025 15467
	Improper Validation of PBMAC1 Parameters in PKCS#12 MAC Verification
	Incorrect validation of PBMAC1 parameters could allow malformed PKCS#12 structures to bypass expected checks.
	CVE 2025 11187
IBM Semeru Runtime Open Edition for Java – OpenJDK® 21.0.9	**Security Component Vulnerability**
	The vulnerability allows unauthenticated remote attackers to cause hangs or repeatable crashes (DoS).
	CVE 2026 21945
	RMI Component Vulnerability
	This vulnerability allows unauthorized update/insert/delete of some data.
	CVE 2026 21925

CCRs included in Release 4.15.0

Release **4.15.0** includes resolution for these CCRs:

RPD3-6628	afpconcat issue when renaming parameter is used for resources with the same name but different content if the name was specified via FQN
IPM3-1439	IPP Gateway Get-Jobs request fails due to an internal server condition, returning server-error-internal-error
IPM3-1441	Jobs submitted with InfoPrint Submit are incorrectly displayed (with no job name) in Web GUI and cannot be managed
IPM3-1442	Introducing a new APPE pragma option named REDUCETOFIT to change default behavior of using ClipToMaxPage when processing mixed page sizes
IPM3-1445	When executing any pdcommand (e.g. pdpr), if an error.log wrap occurs, the exit status of the pdpr command incorrectly becomes 1
RPD3-6634	Intermittent crash in the APPE transform (PDF2AFP) when dual core CPUs are used
IPM3-1452	Applying job filter in the Web GUI duplicates page column
IPM3-1454	Server stops due to memory exhaustion when job files are inadvertently deleted from the /var/pd/ folder

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