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Release Notes for InfoPrint Manager for Linux 4.6

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This edition applies to InfoPrint Manager for Linux, Version 4 Release 6. It is available on the Ricoh Web site: http://rpp.ricoh-usa.com/

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

⭐ Important

Starting with InfoPrint Manager 4.6 release, you have the chance to become part of the InfoPrint Manager community by visiting our brand new forum: 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.

What's new in Release 4.6?

- **Experience the new enhanced InfoPrint Manager WEB Interface**.

   Starting from this release, you can use a highly innovative and improved InfoPrint Manager WEB Interface. This new interface brings more value and clarity to the user experience. We strive towards continuous improvement to offer you the best printing experience.
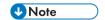
   ⭐ Important

   The InfoPrint Manager administrator can start the Web Interface only after he starts the web server from MMI. The user accounts for the Web Interface must match the FST accounts.

   For more information, see *InfoPrint Manager for Linux: Getting Started*, G550-20263 and the new help system available with the Web Interface.

- **Added the document-pdf-processor attribute for InfoPrint Manager.** It is used with the ps2afp and pdf2afp transform.

   The **ps2afp** and **pdf2afp** commands use one of these PDF processing engines:

   – **Configurable PostScript Interpreter (CPSI)**, which converts both PS and PDF input
   – **Adobe PDF Print Engine (APPE)**, which converts PDF only, at a higher quality and speed. APPE performs better than CPSI.

      ⬇ Note

      Adobe PDF Print Engine (APPE) is only supported for RHEL 7 and SLES 12.

   For more information, see *InfoPrint Manager for Linux: Procedures*, G550-20264 and *InfoPrint Manager: Reference*, S550-1052.

- **InfoPrint Manager does not check for feature maintenance keys during runtime**.

For more information, see *InfoPrint Manager for Linux: Planning Guide*, G550-20262, and *InfoPrint Manager for Linux: Getting Started*, G550-20263.

- **InfoPrint Manager now supports LDAP security for user authentication**.

  For more information, see *InfoPrint Manager for Linux: Getting Started*, G550-20263, and *InfoPrint Manager: Reference*, S550-1052.

- **Added maintenance license options for 2 and 4 years. InfoPrint Manager now allows you to choose your maintenance license expiration period between 1, 2, 3, 4, or 5 years**.

  For more information, see *InfoPrint Manager for Linux: Getting Started*, G550-20263, *InfoPrint Manager for Linux: Planning Guide*, G550-20262.

- **Ported the remaining 32 bit components from the product (ACIF and ps2afp) to 64–bit**.

  For more information, see *InfoPrint Manager for Linux: Getting Started*, G550-20263, *InfoPrint Manager for Linux: Planning Guide*, G550-20262.

- **When the wait-for-job-completion attribute is set to true, the pioinfo and piorpdm backend communication is improved by up to 3 seconds on Ricoh devices.**

- **Added InfoPrint Manager client support for Windows Server 2016 Standard.**

  For more information, see *InfoPrint Manager for Linux: Planning Guide*, G550-20262.

- **Added support for Mac OS X Versions 10.11 and 10.12 for InfoPrint Submit Express, InfoPrint Select, and Command Line Client.**

  For more information, see *InfoPrint Manager for Linux: Planning Guide*, G550-20262.

- **Dropped support for Mac OS X Version 10.8.**

  For more information, see *InfoPrint Manager for Linux: Planning Guide*, G550-20262.

- **Added support for PSF Other DSS as PullPrint destination.**

  For more information, see *InfoPrint Manager Pull Print Feature: Installing and Configuring*, G550-20129.

- **Dropped support for direct printer Pull Print using Enhanced Locked Print NX.**

  For more information, see *InfoPrint Manager Pull Print Feature: Installing and Configuring*, G550-20129.

- **Added PDF/A support for the AFP2PDF feature.**

  InfoPrint Manager now supports PDF/A compliant documents. The afp2pdf transform can generate PDF/A compliant PDF files. PDF/A is an ISO-standardized version of the Portable Document Format (PDF) specialized for use in the archiving and long-term preservation of electronic documents.

  For more information, see *InfoPrint Manager AFP2PDF Transform Feature: Installing and Using*, G550-1057.

- **Revised publications:**

  – *InfoPrint Manager for Linux: Planning Guide*, G550-20262

  – *InfoPrint Manager for Linux: Getting Started*, G550-20263

  – *InfoPrint Manager for Linux: Procedures*, G550-20264

- *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

Function not supported on InfoPrint Manager for Linux

- Infoprint 2000 DSS (available on AIX only)
- IPP DSS (available on Windows only)
- Passthrough DSS (available on Windows only)
- DPF (available on Windows only)

Limitations

Adobe PDF Print Engine limitation

Adobe PDF Print Engine does not support Red Hat Enterprise Server 6 and SUSE Linux Enterprise Server 11. To use Adobe PDF Print Engine, update your operating system to SUSE Linux Enterprise Server 12 or Red Hat Enterprise Server 7.

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.

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

Accounting information when printing PJL 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 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.

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 Linux: Getting Started*, G550-20263.

InfoPrint Manager Web Interface setup

When you start the Web Interface for the first time after you have set up the initial connection, select your favorite server. This ensures that the correct objects are loaded in the objects drawer at refresh.

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.

CCRs included in Release 4.6

Release 4.6 includes resolution for these CCRs:

DE26934	Transform "ps2afp" fails on large jobs when running from "pdfprs" parallel rip.
DE27141	Output truncated when using Unicode/Surrogate pairs fonts via PSF Other DSS.
DE27029	Using custom size paper on PSF Other outputting PCL6 causes PCL XL error: IllegalMediaSize.
DE27229	Missing text from printed output of PSF Other when using DBCS fonts that have their HAIDs changed between the printed jobs.
DE27498	Pages in accounting not logged when using piorpdm backend.
DE27625	Leading space in the job name attribute causes Java GUI to display the attribute value incompletely in the main panel.
DE27496	The "ps2afp" transform fails with 0427-118 ERROR: ps2afpd: The input file contains PostScript commands which resulted in an error. The PostScript error was: %%[Error: rangecheck; Offending Command: get]%%.
DE28130	The email job that contains special characters in the attribute email-to-address crashes the server.
DE28228	Solve issues in creating CUPS actual destinations using various vendors PPDs files.
DE28238	Barcodes are not displayed correctly when the Job Viewer is used.
DE28393	Pull print jobs cannot be deleted when the job owner is different than the user name.
DE28507	Server hangs on email job when the attribute value **subject-text** contains the character **#**.
DE28674	The PDF value for the attribute **document-formats-supported** is removed during the creation of an AIX DSS.
DE27902	Server stops on Linux with error 5010-647. No memory is available for the InfoPrint server requiring environment variable `MALLOC_ARENA_MAX=2`.
DE28896	Linux SAP client issue with ipm.omsdesc and ipm_submit.
DE28897	SAP callback daemon fails if the password is longer than 8 characters.
DE28829	When the primary Pull Print server is stopped and the backup Pull print server is running, only the jobs that are sent to the Pull Print actual destination are shown.

DE29020	Documents with mixed IOCA resource group and inline causes the img2afp transformer to fail with 0429-142.
DE28578	Cleaning or cancelling jobs results in 5010 - 631. The system function _open_osfhandle returned error number 6.

Trademarks

These terms are trademarks or registered trademarks of Ricoh Co., Ltd., in the United States, other countries, or both:

- Advanced Function Presentation
- Advanced Function Printing
- AFCCU
- AFP
- Bar Code Object Content Architecture
- BCOCA
- InfoPrint
- Infoprint
- Intelligent Printer Data Stream
- IPDS
- Mixed Object Document Content Architecture
- MO:DCA
- Ricoh

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- Print Services Facility
- pSeries
- S/370
- S/390
- z/OS