



# Release Notes for InfoPrint Manager for Windows 4.7

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This edition applies to InfoPrint® Manager for Windows, Version 4 Release 7. It is available on the Ricoh Web site: <http://info.rpp.ricoh-usa.com/help/index.jsp>

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

## What's new in Release 4.7?

- **InfoPrint Manager Pull Print feature supports connecting with Ricoh StreamlineNX 3.1 for job release.**  
For more information, see *Secure Print: Installing and Configuring*.
- **Web interface enhancements:**
  - Job submission is now possible using the Web interface.
  - The usability for job handling is improved.
  - The usability on properties dialogs for all types of objects is enhanced.
  - The usability on mobile devices is improved.
  - More actions are available when multiple objects are selected.
  - User on boarding improvement.
  - The usability on the object and job panels is enhanced .
  - The InfoPrint Manager Web Server and the Web interface now start automatically.
- **Job Viewer capability to search in PDF documents.**  
For more information, see *InfoPrint Manager: Reference*.
- **License Key Management Application (LKMA) and pdlicmgn are enhanced to support renewal of licenses without uninstallation of expired licenses.**  
For more information, see *InfoPrint Manager for Windows: Getting Started* or *InfoPrint Manager: Reference*.
- **Trial licensing compatibility with grace period and time tampering is enhanced.**  
For more information, see *InfoPrint Manager for Windows: Getting Started* or *InfoPrint Manager: Reference*.
- **InfoPrint Manager server protection against port scanning software.**  
For more information, see *InfoPrint Manager: Reference*.
- **InfoPrint Manager can schedule jobs based on job page count number instead of file size.**  
This change affects these attributes: **schedulers-supported**, **scheduler-sort-secondary-order**, and **scheduler-sort-primary-order**.  
For more information, see *InfoPrint Manager: Reference*.
- **PDF was added as default supported value for document format of any destination that supports passthrough printing.**  
For more information, see *InfoPrint Manager: Reference*.

- **InfoPrint Manager allows standard (non pull-print) jobs to be printed on a pull-print-printer. The printer can now print both pull-print jobs and standard jobs.**  
For more information, see *InfoPrint Manager: Reference*.
- **Added page-select support for PDF document formats for AIX/CUPS/Passthrough DSS's.**  
For more information, see *InfoPrint Manager: Reference*.
- **InfoPrint Select for Windows enhancements:**
  - You can now change the printing destination from the Windows taskbar menu.
  - You can now choose between Domain\User and SamAccountName for LDAP SSO authentication.
  - InfoPrint Manager server discovery over the network based on DNS record.
- **Job status delivered via CUPS is improved after reducing time between print jobs with pull print.**  
For more information, see *InfoPrint Manager: Reference*.
- **InfoPrint Manager System Migration (ISMU) Utility can now be run from MMC.**  
For more information, see *InfoPrint Manager for Windows: Getting Started*.
- **Set the large-file-enabled value as default on InfoPrint Manager for Windows.**  
For more information, see *InfoPrint Manager: Reference*.
- **InfoPrint Manager for Windows server running on other language than English can now convert correctly values sent in inch to mm for various attributes.**  
For more information, see *InfoPrint Manager: Reference*.
- **Added support for RICOH Pro VC40000.**  
For more information, see *InfoPrint Manager for Windows: Planning Guide*.
- **Added support for Pro 8200S, 8210S, 8220S, 8210, 8220 printers.**  
For more information, see *InfoPrint Manager for Windows: Planning Guide*.
- **The InfoPrint Manager Printer Attachment Features was revised and updated. The revised printer speeds for each of the printer attachment categories is displayed below.**

<i>Workgroup Printer Engine</i>	Required to install and use InfoPrint-driven printers that print in the range of 0 to 80 pages per minute.
<i>Low Speed Printer Engine</i>	Required to install and use InfoPrint-driven printers that print in the range of 81 to 150 pages per minute.
<i>Medium Speed Printer Engine</i>	Required to install and use InfoPrint-driven printers that print in the range of 151 to 400 pages per minute.

<i>High Speed Printer Engine</i>	Required to install and use InfoPrint-driven printers that print in the range of 401 to 1999 pages per minute.
<i>Ultra High Speed Printer Engine</i>	This is required to install and use InfoPrint-driven printers that print 2000 pages per minute or faster.

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

- **Added support for Mac 10.13 (Select, Command Line Client, Submit Express).**

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

- **Print-on-Demand feature is withdrawn**

The Print-on-Demand feature is no longer available for purchase. The InfoPrint Submit Express and AFP Workbench applications are now available with the Common Client DVD, while the PPML2AFP transform is available with the base server installation. The InfoPrint Job Ticketer and Halftone Management System applications are no longer available with InfoPrint Manager.

For more information, see *InfoPrint Manager for Windows: Getting Started*

- **Dropped support for Mac OS versions: 10.9, 10.10, 10.11.**

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

- **Dropped support for InfoPrint Manager server on Windows 7, 8, 8.1 and Server 2008 R2.**

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

- **Dropped support for SUSE Linux Enterprise Server (SLES) 11 for common clients.**

- **Revised publications:**

- *InfoPrint Manager for Windows: Planning Guide*, G550-1071
- *InfoPrint Manager for Windows: Getting Started*, G550-1072
- *InfoPrint Manager for Windows: Procedures*, G550-1073
- *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
- *InfoPrint Manager: Dictionary of Keywords*, S550-1188
- *InfoPrint Manager AFP2PDF Transform Feature: Installing and Using*, G550-1057

## Limitations

### Limitations on Windows 64-bit platforms

The InfoPrint PPFA component of the InfoPrint Manager for Windows is not supported on the 64-bit operating system.

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

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

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.

## **Make sure that all x64 kernel-mode software is signed**

Previous x64 versions of Microsoft Windows Server did not require drivers to be signed. However, in the x64 version of Windows Server, all kernel-mode software (including drivers) that runs on the computer must have a signature.

## **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 Windows and Ricoh ProcessDirector for Windows limitation**

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

## **Capitalization of object names**

InfoPrint Manager object names are case-sensitive. However, Windows API is not case-sensitive. Because of this limitation, you cannot have two objects with the same name, even if one of the names has uppercase letters.

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# Known problems and workarounds

## Installing and uninstalling InfoPrint Manager and InfoPrint Transform Manager on the same computer

You can install InfoPrint Manager for Windows and InfoPrint Transform Manager Version 3.0 on the same Windows computer.

### Restrictions

You must install InfoPrint Manager before you install InfoPrint Transform Manager.

## 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*.

## 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`.

## 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 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 4.7

Release 4.7 includes resolution for these CCRs:

DE29992	Empty folder in a defined hot folder causes large memory leak.
DE30357	Multiple parallel LDAP authentication requests when the LDAP server responds with an error causes the server to crash.
DE30321	When there are more than 100 jobs in the list, the pdaccount -t command prints column headers at the bottom.
DE30457	Unable to login to Web Interface using secure port 14443 (https).
DE30511	Modify pdls filtering for LDAP authenticated-login to be case insensitive.
DE30268	Web Interface does not display all existing pull print jobs on the system (out of sync).
DE29944	Page segments that contain IM1 images are not printed when using tray 1 that is not available.
DE30645	Server gracefully shuts down because of lack of memory due to error in the <b>ipmldapcached</b> daemon.
DE30727	<b>ainmain</b> cores when processing the FQNs from True Type/OpenType linked fonts.
DE30781	Enhance LDAP implementation to allow a user to be part of up to 100 LDAP groups.
DE30885	PSF <b>ainmain</b> crashes when there is no Nominal Vertical Font Size specified in the font FND SF.
DE30977	The backend program <b>pioinfo</b> crashes when @PJL JOB NAME command value contains the string "END".
DE31067	Cold backup license activates all licenses.
DE31029	PS2AFP fonts mapping does not work in all situations for fonts added in the psfonts.map file.
DE31121	Web Interface does not allow change of media for actual destination.
DE30311	Number of PCL6/PCLXL pages identified via <b>job-page-count</b> gets incorrect value in some cases.
DE31243	You cannot enter values in fields after zoom out operation in the Web Interface.
DE31308	The hardcoded limitation of Java Interface to set ":" for <b>page-select</b> attribute on empty value was removed.
DE31271	AFP2PDF and email DSS AFP ignores IMM resources referenced between BDT and BPG.
DE31407	Converting IM1 image to IO1 is erroneous due to the pointer size change on 64 bit.
DE30758	The PS2AFP client now supports <b>"-pragma IGNOREMEDIAPOSITION"</b> that ignores MediaPosition setting in malformed PostScript files.

DE31599	Even if the <b>Include print files</b> option in Windows pdacture is not enabled, it still captures some specific files.
DE31630	User cannot login to Web interface due to database SQL exception.
DE31129	You cannot log in to Web Interface with the LDAP user and password after several days of usage.
DE31902	Trial tampering status causes server not to start when perpetual license is available.
DE24416	ACIF out of storage and core dump when resources do not end correctly.
DE27191	Remove ACIF hardcoded user exit paths and trace user exit loads.
DE29646	ACIF segmentation fault due to overlay table overflow.
DE31799	Memory leaks when large number of LDAP users are defined in ACL.
DE31943	Web Interface does not start when InfoPrint Manager on Windows is installed on custom path.
DE30893	InfoPrint Select improved session determination in a Windows Terminal Services environment.
DE31037	Increased the maximum numbers of jobs that a single transform daemon can queue from 40 to 128.
DE31412	Enhanced the server code to tolerate incorrect SAPGOF data.
DE32109	Add support for "pott" medium to tolerate expansion of medium object names starting with po* characters.
DE32017	Miscellaneous improvements of the Windows installer on upgrade operations from previous versions.
DE32017A	SAP Callback Service cannot load previously saved configuration settings.
DE32185	Server enhancement on custom transform function for protection against complex output.
DE32273	Fix IPM <-> ITM communication by not passing the <b>pdf-processor</b> parameter anymore.
DE32191	afpReorder incorrectly adds a blank page before the first page when reverse order is requested and an inline simplex medium map is used.
DE32129	Web Interface crashes on LDAP user login when Bind DN is longer than 100 characters.
DE32244	Characters missing from PCL2AFP transform output when TrueType downloaded fonts have the same attributes for selection.
DE32335	MVSD receiver exit incorrectly sets the <b>job-page-count</b> to 0 when the job is submitted via pdpr.



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