



# Release Notes for RICOH InfoPrint Manager™ for Linux 4.11.2

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This edition applies to InfoPrint Manager for Linux, Version 4 Release 11.2. It is available in the RICOH Software Information Center at <https://help.ricohsoftware.com/swinfocenter>.

We encourage you to become part of the InfoPrint Manager community by visiting our forum at: <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.

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 higher. Then upgrade the clients.

## What's new in Release 4.11.2?

- This is a service update release. For more information, see [CCRs included in Release 4.11.2, p. 6](#).

## Function not supported on InfoPrint Manager for Linux

- IPP DSS (available on Windows only)
- Passthrough DSS (available on Windows only)
- DPF (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.

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## 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

- On the Linux platform, the PDF to AFP transform is only supported on SLES12 and later versions or RedHat 7.1 and later versions.
- SAP2AFP transformer does not support SAP ABAP document format.

## Job Viewer limitation for n-up documents when form-definition is used

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

# 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 Linux: Getting Started*, G550-20263.

## 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 R/3 Planning and Configuring Guide*.

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## 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 accounting for nested PJJ jobs

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

## The Submit Express client must be set up at the same level as the InfoPrint Manager server

To upgrade the Submit Express client to version 4.12 on macOS, you must first remove any older versions installed on the system.

## 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.

## RICOH Cloud Connector and RedHat Enterprise Linux Server version 7.1

Running InfoPrint Manager for Linux on RedHat Enterprise Linux Server version 7.1 will cause the RICOH Cloud Connector not to start due to a known bug in Linux systemd (<https://github.com/systemd/systemd/issues/2132>). Thus you might encounter problems running the product when using a subscription license. To avoid this situation, in the `/usr/lib/systemd/system/rcc.service` file, replace the line

```
ExecStart="/opt/RICOH/RCC/ricoh-cloud-connector-linux" -s
```

with the line

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```
ExecStart=/usr/bin/env "/opt/RICOH/RCC/ricoh-cloud-connector-linux" -s
```

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## CCRs included in Release 4.11.2

Release 4.11.2 includes resolution for these CCRs:

IPM3-1010	Sheet counter not updated after repositioning for a job where sheet ranges are specified.
IPM3-1079	Banner page for InfoPrint Workflow misses date.
IPM3-1083	AFP2PDF Incorrect positioning of characters when writing Japanese characters with the default font, but with the additional condition of having first some single byte text followed by double byte characters without an additional positioning of the text after the switch from single byte to double byte.
IPM3-1086	Added ppfa.bat file to the InfoPrint PPFA installation package.
IPM3-1095	Enhance transforms daemons to protect against vulnerability port scanning software instead of crashing or hanging. This enhancement affects communication between transform client commands (pcl2afp, pdfprs, pdf2afp, ppml2afp, ps2afp) and transform daemons (apped, pcl2afpd, ps2afpd) as well. Also, inline transforms from PSF Common component (ainmain program) are affected.
IPM3-1096	The remote_install script outputs incorrect message (line 1374: command not found) when mounting partition fails, instead of prompting that it is unable to mount required partition.
IPM3-1099	MVS Download Receiver on AIX and Linux ignores the "-k" parameter in the mvsprpsm.sh script. On Linux, the "Retain Command File" setting in Management Interface (Linux) controls the "-k" parameter. Also, on Linux only, changing properties on a Receiver from the Management Interface disables the trace or enables incorrect settings for the receiver/submission.
IPM3-1103	The mvprpsm.sh script will now set the environment for pdpr command in such a way that it will not fail (will use LC_MESSAGES).
IPM3-1108	Migrating InfoPrint Manager from versions lower than 4.10 (4.9 or lower) to 4.11 will fail to migrate Web GUI database, rendering the Web GUI not usable.
IPM3-1120	Enhance InfoPrint Manager server code for further protection against vulnerability port scanning applications (no hanging).
IPM-23602	Update communication protocol so clients can function without STARTTLS request.
IPM-23605	On pdset command (also from GUI), update printer profile based only on the modified attributes.

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IPM-23639	Update ISMU to backup/restore printer profile attributes and values.
RPD3-5103 (R385QE0)	PDF file becomes corrupt after ACIF creates object as inline resource. This occurs because the 0x5A & 0xD3 bytes are encountered when reading in one of the PDF records. Logic was changed to only validate the first record for resources, if not AFPDS then the entire object is not AFPDS.

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