Release Notes for InfoPrint Manager for Linux 4.8.1

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This edition applies to InfoPrint® Manager for Linux, Version 4 Release 8.1. It is available on the Ricoh Web site: http://info.rpp.ricoh-usa.com/help/index.jsp

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.

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

What's new in Release 4.8?

- **Former InfoPrint Transfrom Manager product (LCD2-20009, LCD2-20015, LCD2-20010) is now available as a feature of InfoPrint Manager. The InfoPrint Transform Manager feature is available for purchase with all variants of the InfoPrint Manager AIX, Linux and Windows, but it can only be installed on a stand alone Linux or Windows server.**

  For more information, see *InfoPrint Manager: Installing InfoPrint Manager Transform Feature*.

- **Added support for RICOH Pro C7200, C7200S, C7200SL, C7200SX, C7200X, C7210, C7210S, C7210SX, C7210X, C9200, C9210 printers.**
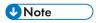
  For more information, see *InfoPrint Manager for Linux: Planning Guide*.

- **Added client support for Windows Server 2019 Standard.**

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

- **Added server and client support for SUSE Linux Enterprise Server 15.**

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

  ⬇ Note

  The Linux Mobile Secure Print feature is not supported on SUSE Linux Enterprise Server 15.

- **Added client and server support for Oracle Linux Server 7.5.**

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

- **These Web GUI enhancements are available:**

  – Improved filter for object viewer on Connection function

  – Job search improvements based on certain criteria

  – Accessibility improvement on static dialog (focus highlight and tab order)

  – Improve Queue port view usability

  – Create and Edit option on object creation dialog

  – Columns customization dialog

- – Menu configuration and customization

- **Notification Event for job rerouted to backup destination and "job reroute" report.**
  For more information, see *InfoPrint Manager: Reference*.

- **Added `xfmfltr.out` to custom steps.**
  For more information, see *InfoPrint Manager: Reference*.

- **Email DSS now supports the resource-context attribute.**
  For more information, see *InfoPrint Manager: Reference*.

- **Added accutone (ls) and dark2 (oc) halftone appearances for all InfoPrint 4100s printer models.**
  For more information, see *InfoPrint Manager for Linux: Planning Guide*.

- **Changed default file system type from ext3 to xfs. Added support for btrfs.**
  For more information, see *InfoPrint Manager: Reference* and *InfoPrint Manager for AIX and Linux: Configuring and Tuning Guide*.

- **Added the capability to use the job** form-definition **attribute value when viewing AFP files for higher Job Viewer fidelity.**

- **Enhanced user interface with LDAP user lookup in the Management Interface and Management Console.**

- **Dropped all 32-bit common clients (Command Line Client, InfoPrint Select, Submit Express). You can use the 64-bit clients available with the Common Client product media.**
  For more information, see *InfoPrint Manager for Linux: Planning Guide* and *InfoPrint Manager for Linux: Getting Started*.

- **Dropped support for HP-UX and Sun/Solaris command line client.**
  For more information, see *InfoPrint Manager for Linux: Planning Guide* and *InfoPrint Manager for Linux: Getting Started*.

- **PPFA Feature is now supported on Windows 64-bit platforms (in 32-bit compatibility mode).**
  For more information, see *InfoPrint Manager: Page Printer Formatting Aid for AIX and Windows*.

- **These Linux Secure Mobile Print Feature enhancements are available:**

  - – Android Mobile application
  - – Mac driver for job submission using InfoPrint Select
  - – Support for number of copies, duplex or force Black&White
  - – Moved PJL commands sniffing from InfoPrint Select to server

  For more information, see *Secure Print: Installing and Configuring*.

- **Dropped support for RadHat Enterprise Linux 6.x**
  For more information, see *InfoPrint Manager for Linux: Planning Guide*.

- **The display of rip attributes in the detailed-messages attribute is now available.**

- **You can now use AFP Full Text Search Capability with Job Viewer.**

For more information, see *InfoPrint Manager: Reference*.

- **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

  - *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

  - *InfoPrint Manager: Page Printer Formatting Aid for AIX and Windows*, S550-0801

  - *InfoPrint Manager: Installing InfoPrint Manager Transform Feature*, G550-20160

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

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.

Linux Mobile Secure Print feature does not support IPv6.

The Mobile Secure Print available with InfoPrint Manages does not support IPv6 socket communication at this time, so it can only be used in IPv4 network environments.

Ricoh PDF Driver available with the Linux Mobile Secure Print feature has the following limitations:

- When you print from Microsoft Word, Black and White printing setting might result in printing objects in color.
- When you print from Microsoft Excel, some shading patterns might be missing.
- Missing logo from PDF File in some cases could be resolved by using setting "Print as Image".
- Printing of encrypted PDF is not supported.
- The PDF Driver is not WHQL certified.
- Microsoft Word documents that contain the Print Field option cannot be printed. You can print the document after you remove the Print Field option from the document.

If your Secure Print feature license is expired or missing, the error message is not displayed when you log into the Secure Print administration page.

You can see the status of your license in the **Settings** tab under the **Licensing** category.

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.

The Linux Mobile Secure Print feature is not supported on SUSE Linux Enterprise Server 15.

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.

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.

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).

Operations before installing or running Infoprint Manager for Linux on SLES 15 in Japanese language

Before you install or run Infoprint Manager in Japanese, due to changes in the way the grep command interprets multi-byte text on SLES 15, execute these operations for the user that runs InfoPrint Manager daemons:

1. Add this line at the end of the `$HOME/.bashrc` file:

```
unalias grep &>/dev/null
```

2. Add these lines at the end of the `$HOME/.profile` file:

```
grep()
{
    LANG=C /bin/grep --color=auto "$@"
}
export -f grep
```

CCRs included in Release 4.8.1

Release 4.8 includes resolution for these CCRs:

DE33001	Continuous SNMP communication with devices causes the server to crash after a long period of time (approximately 4 months).
DE34470	Using "device_controls = plex" option in the configuration file, the pcl2afp transformer generates for the PCL XL input files, an AFP output that contains duplexing ON regardless of what was specified in the input file.
DE34300	Fixing PS2AFP (PDF2AFP) transformer incorrect value adjustment of the -w (width) parameter.
DE34695	Enhance the PS2AFP transformer code to support more than 6 input trays to avoid error 0425-157 MISMATCH BETWEEN PRINT DATA SET AND FORMDEF RESOURCE.
DE34952	Web GUI does not update main area tabs after a delete action is executed on a Job Filter which has an open tab in Main Area.
DE35013	When you apply one or more filters on retained jobs, the jobs disappear after multiple notifications are received.
DE35055	InfoPrint Manager installer fails to stop SAP callback daemon during product updates when the daemon runs for an extended period of time.
DE35088	Missing ICU header files are causing ACIF sample user exits (APKA2E, ASCIINPE) to fail compiling.

Release 4.8.1 includes resolution for these CCRs:

DE35274	Compiling user exits fails due to incorrect Makefile distributed on Linux.
DE35363	Aligning pioinfo backend program to comply with PJL Tehnical Reference to allow more or fewer types of unsolicited status other than DEVICE, JOB, PAGE, and TIMED.
DE35272	AFP document with constant form controls (page or medium overlay data) printed via PSF Other DSS is missing pages.
DE35406	Support custom time and date format on InfoPrint Manager for Linux for better compatibility with AIX date and time format. For more information on using PD_TIME_FORMAT and PD_DATE_FORMAT environment variables, see Reference.
DE35657	The Management Interface of InfoPrint Manager for Linux does not accept SAP callback daemon passwords longer than 8 characters.

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- IPDS
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