
Customer Reference Document: RICOH InfoPrint XT V3.4 (5765-XTA)

Overview

RICOH InfoPrint XT transforms Xerox Line Conditioned Data Stream jobs and Metacode jobs to jobs that you can print on IPDS printers. InfoPrint XT converts the jobs and the resources that they require, such as fonts and forms, to the Advanced Function Presentation (AFP) format. AFP is a presentation architecture for creating, storing, retrieving, viewing, and printing data, which was developed by IBM and is now maintained by the AFP Consortium.

Highlights

- Transforms Xerox LCDS and Metacode to AFP, enabling you to standardize on the open industry-standard AFP architecture for production printing.
- Provides resource conversion tools for easy migration of fonts, forms, logos, and images.
- Includes a JSL compiler for modification of existing Xerox print environment control resources.
- Enables migration of Xerox highlight color applications to color printers.
- Supports Fuji Xerox IBM3200 control codes, monochrome FRMs, and the LPI DJDE.

What's New in this release

RICOH InfoPrint XT for Linux is now a 64-bit application supported by 64-bit Linux operating systems

RICOH InfoPrint XT for Linux has improved performance when processing Xerox data streams up to four times faster compared to the previous release. This allows for improved overall performance and compatibility with more Linux operating systems.

XT Data stream dumper

Provides a tool for the analysis of problematic Xerox data streams (LCDS and Metacode). The data stream records are output in EBCDIC, ASCII, or combined format (ASCII, EBCDIC and hexadecimal).

XT Data stream scrambler

Creates scrambled versions of Xerox LCDS data streams containing PII data thus insuring anonymity of sensitive data. The data stream scrambler speeds up troubleshooting and code fixes process for PII data stream issues. It covers only LCDS.

Archive Directives feature

Captures jobs with RICOH ProcessDirector (RPD) + XT or RICOH InfoPrint Manager (IPM) + XT. In the previous version, RPD or IPM flow had to be altered to capture a job.

The new Archive Directives feature requires only a one-line text configuration file to be modified for capturing a job, with no more configuration steps required for RPD or IPM. This feature will simplify instructions sent to customers for capturing the job data when reporting problems.

Support for Color Metacode in data streams

RICOH InfoPrint XT now offers support for Color Metacode and Color LCDS in data streams and color in FRMs.

Final Release

The Final Release is June 24, 2021

RICOH InfoPrint XT includes these programs and components:

Resource Conversion and Management

The resource conversion program provides the following capabilities for Xerox resources:

- Converts printable resources, such as FNTs, FRMs, IMGs and LGOs, to AFP fonts, overlays, and page segments
- Produces samples of PAFP overlays converted from Xerox FRMs
- Reformats print environment control resources, such as JDLs, CMEs, PDEs, STKs, etc. for use in data stream conversions
- Reformats source format files, such as JSLs, FSLs, ISLs and CMDs to readable text files
- Supports resource groups to manage Xerox resources in sets

Data Stream Conversion

The data stream converter performs or enables the following:

- Reads LCDS or Metacode input data stream
- Accesses converted Xerox resources
- Applies DJDEs and Logical Processors to data stream
- Writes fully composed AFP output
- Writes optional DJDE report to RICOH InfoPrint Manager
- Writes optional job accounting information report to RICOH ProcessDirector
- Supports Color LCDS and Color Metacodes in Xerox data streams

JSL Metrics Compiler

The JSL metrics compiler lets you modify existing JSL source files and process them to extract resource metrics that will change formatting within your Xerox applications. This eliminates the need to keep at least one Xerox LCDS / Metacode printer available so that its resident PDL compiler can be used to process JSL resource changes.

RICOH InfoPrint XT Download Program

A special program, **pdxtdownload**, used when printing jobs from PSF for z/OS using the AFP Download feature of PSF allows seamless download and printing of mainframe Xerox jobs on InfoPrint Manager or Ricoh ProcessDirector.

Media Handling for Cut Sheet Printers

An **xmediatypes** parameter associates AFP media types or component IDs with Xerox tray numbers. An **xbinerror** parameter lets you choose what action XT should take if media selection errors occur.

Automated Cluster Database Processing

The **pdxtcluster** command simplifies operations for bin selection using the data base file clustr.lib from a Xerox printer, and facilitates migrations from more recent Xerox printers that do not use clustr.lib.

Highlight Color Processing

The **pdxtcolor** command allows you to greatly enhance Xerox highlight color applications for printing on full color AFP cut sheet or continuous form printers. Since the RICOH InfoPrint XT color facilities are not tied to a hardware limitation of using only one color toner at a time, you can use multiple solid colors and their associated shades on a page or in a document. You can even create your own custom colors. RICOH InfoPrint XT comes with collections of predefined custom colors that can be used immediately.

Grayscale substitution for Xerox shading

RICOH InfoPrint XT can interpret Xerox shading patterns and characters as grayscale instead of the standard Xerox dot patterns. This improves overall visual results and increases the readability for any text that is superimposed on the shading.

Limitations

RICOH InfoPrint XT is an extensively proven Xerox conversion product that supports the most common capabilities of LCDS and Metacode. There are some exceptions. Consult the RICOH InfoPrint XT publications for known limitations.

Performance considerations

RICOH InfoPrint XT typically converts formatting and control resources separately from job conversion. Combined with an extremely efficient dynamic data stream converter and enhancements described in this AMD, this means performance is rarely a concern when processing jobs. See New Enhancements in This Release.

Customer Responsibilities

The customer is responsible for installing and using RICOH InfoPrint XT according to documented procedures and for using the product in accordance with the Ricoh Software License Agreement (RSLA).

Accessibility

RICOH InfoPrint XT 3.4 has the following capabilities for vision-impaired users:

- Communication of all information independent of color
- Documentation provided in an accessible format

RICOH InfoPrint XT 3.4 has the following capability for users with mobility impairments or limited hand use:

- Operation using only the keyboard

Technical Information

Operating Environments

Software Requirements

RICOH InfoPrint XT 3.4 can run on these AIX platforms:

- For RICOH InfoPrint XT with RICOH InfoPrint Manager:
 - AIX 7.1 Technology Level (TL) 5 Service Pack (SP) 5 or higher (64-bit)
 - AIX 7.2 Technology Level (TL) 3 or higher (64-bit)
- For RICOH InfoPrint XT with RICOH ProcessDirector:
 - AIX 7.2 Technology Level (TL) 3 TL 3 Service Pack (SP) 3 or later (64-bit)
- For RICOH InfoPrint XT as a stand-alone product:
 - AIX 7.1 Technology Level (TL) 5 Service Pack (SP) 5 or higher (64-bit)
 - AIX 7.2 Technology Level (TL) 3 or higher (64-bit)

RICOH InfoPrint XT 3.4 can run on these Linux platforms:

- For RICOH InfoPrint XT with RICOH InfoPrint Manager:
 - Red Hat Enterprise Linux 7.0 or later (64-bit)
 - Red Hat Enterprise Linux 8.0 or later (64-bit)
 - SUSE Linux Enterprise Server (SLES) 12
 - SUSE Linux Enterprise Server (SLES) 15
- For RICOH InfoPrint XT with RICOH ProcessDirector:
 - Red Hat Enterprise Linux 7.6 through latest 7.X
 - Red Hat Enterprise Linux 8.1 through latest 8.X
 - SUSE Linux Enterprise Server (SLES) 12.0 with Service Pack 4 or above for x86_64
 - SUSE Linux Enterprise Server (SLES) 15
- For RICOH InfoPrint XT as a stand-alone product:
 - Red Hat Enterprise Linux 7.0 or later (64-bit)
 - Red Hat Enterprise Linux 8.0 or later (64-bit)
 - SUSE Linux Enterprise Server (SLES) 12.0 or later for x86_64 with Service Pack 5 (SP3) (64-bit)

- SUSE Linux Enterprise Server (SLES) 15.0 or later for x86_64 (64-bit)

RICOH InfoPrint XT 3.4 can run on these Windows platforms:

- For RICOH InfoPrint XT with RICOH InfoPrint Manager:
 - Windows Server 2012 Standard Edition (64-bit)
 - Windows Server 2012 R2 Standard Edition (64-bit)
 - Windows Server 2016 Standard Edition (64-bit)
 - Windows Server 2019 Standard Edition (64-bit)
- For RICOH InfoPrint XT with RICOH ProcessDirector:
 - Windows Server 2016 (64-bit)
 - Windows Server 2019 (64-bit)
- For RICOH InfoPrint XT as a stand-alone product:
 - Windows Server 2012 Standard Edition (64-bit)
 - Windows Server 2012 R2 Standard Edition (64-bit)
 - Windows Server 2016 Standard Edition (64-bit)
 - Windows Server 2019 Standard Edition (64-bit)

Hardware Requirements

An AIX, Linux or Windows server that is appropriately configured and running InfoPrint Manager, or an AIX, Linux or Windows server running in a Ricoh ProcessDirector environment.

Publications

- RICOH InfoPrint XT for AIX: Installing and Using, G550-1339-05
- RICOH InfoPrint XT for Linux: Installing and Using, G550-20375-01
- RICOH InfoPrint XT for Windows: Installing and Using, G550-1340-05
- RICOH InfoPrint XT 3.4 License Information

Terms and Conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with Ricoh are contained in the applicable contract documents, such as, but not limited to, the Ricoh Software License Agreement (RSLA) and the Ricoh Software Maintenance Agreement for Production Printing Software.

The Ricoh Software Licensing Agreement governs your use of the program. This program has a One-time-charge (OTC) for use of the program, and an annual (or multi-year if available) renewable charge for ongoing support, which includes telephone assistance, as well as access to updates and new releases of the program as long as support is in effect.

Maintenance Service Offerings

RICOH InfoPrint XT is covered by the Ricoh Software Maintenance Agreement for Production Printing Software. This agreement applies for subscription and support (also referred to as software maintenance) when purchased with the software product or as a subsequent renewal of software maintenance. The software maintenance agreement does not require customer signatures.

While your software maintenance is in effect, RICOH provides assistance for routine, short-duration installation, and usage (how to) questions and code-related questions. RICOH provides assistance via telephone and, if available, electronic access, only to your Information Systems (IS) technical support personnel during normal business hours (published prime shift hours) of the RICOH support center. This assistance is not available to end users. RICOH provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult the Ricoh website at:

<https://global.ricohsoftware.com/>

Software maintenance does not include assistance for the design and development of applications, your use of programs in other than their specified supported operating environment, or failures caused by products for which RICOH is not responsible under this agreement.

Ordering Information

To purchase a new license, specify New Order as the order type and specify 1, 2, 3, 4 or 5 years of maintenance.

All customers who have an existing license of RICOH InfoPrint XT (AIX 5765-XTA) and a current software maintenance agreement are eligible for a no charge upgrade within the same OS to RICOH InfoPrint XT Version 3.4. In order to migrate your XT installation from AIX or Windows to Linux, there is a one time charge to cover additional required 3rd party software.

To order the upgrade, contact your sales representative. RICOH InfoPrint XT consists of a base with no optional features.

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