
InfoPrint XT V3.2 for AIX and Windows

Overview

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.

New in this release

- Supports recent Windows versions by eliminating requirement for Microsoft Subsystem for UNIX-based Applications (SUA) or Services for UNIX (SFU).
- Facilitates processing for multi-step Xerox jobs sent from z/OS hosts to Ricoh ProcessDirector for Linux, using the **pdxtdownload** program on Linux.
- Provides improved access to license key information using the **pdxlicense** command.
- Provides InfoPrint XT code level information using the new **pdxversion** command.
- Provides improved output information for jobs containing multiple duplicate inline graphic images.
- Provides improved job progress monitoring for large data stream conversions.
- Provides improved performance control for data stream conversions.
- Provides an improved method for gathering diagnostic information about job conversions.

Item Numbers

There are new item numbers for 2, 4, and 5 year maintenance.

Description

InfoPrint XT 3.2 is a set of programs that lets you convert Xerox resources and commands into their AFP equivalents and store them on InfoPrint Manager or Ricoh ProcessDirector servers for use when printing Xerox applications. A data stream conversion program runs dynamically when a job is submitted to convert the Xerox LCDS or metacode data streams into AFP.

New Enhancements in This Release

Support for more recent Windows versions

InfoPrint XT for Windows no longer requires Microsoft Subsystem for UNIX-based Applications (SUA) or Services for UNIX (SFU). This enables support for newer Windows versions which do not include SUA, such as Windows Server 2012.

InfoPrint XT download program available on Linux

The InfoPrint XT download program, **pdxtdownload**, can run on Linux. If you use Download for z/OS to transmit Xerox LCDS and metacode jobs from a z/OS host to Ricoh ProcessDirector for Linux, and transform the jobs using InfoPrint XT for Windows via an RPD Application Server, you can start an **mvsprsd** daemon to invoke **pdxtdownload** on Linux. The transform-ready job is then transferred to Ricoh ProcessDirector and InfoPrint XT via an RPD Hot Folder Input Device. This is especially useful when processing multi-step Xerox jobs. The **pdxtdownload** for Linux installer is packaged with InfoPrint XT for Windows.

Enhanced **pdxtlicense** command

When you issue **pdxtlicense -f keysysinfo**, InfoPrint XT displays system fingerprint information. For example,

```
pdxtlicense: 5016-820 The current system fingerprint is *15W UNEA TF6X QUGR.
```

When you issue **pdxtlicense -f keystatus** or **pdxtlicense** with no parameters, InfoPrint XT displays information about the license key. For example,

```
pdxtlicense: 5016-810 the license checking process started.  
pdxtlicense: 5016-812 Processing the license key file in directory  
C:\Program Files\InfoPrint\IPXT\license:  
pdxtlicense: 5016-813 The license key file license.key is valid.  
pdxtlicense: 5016-811 The license checking process is complete.
```

pdxtversion command

A new command, **pdxtversion**, displays InfoPrint XT version information. For example:

```
InfoPrint XT for AIX 3.2.0.0 Level US32524 Jul 19 2016 10:32:59.
```

```
InfoPrint XT for Windows 3.2.0.0 Level US32524 Jul 19 2016 10:32:59.
```

The same information appears in the listing and log files generated by other InfoPrint X1[™] commands, including

- pdxtloadres.lst
- pdxtcluster.lst
- pdxtcolor.lst
- pdxtdownload.*port_number*.log
- pdxtx2afp.log
- pdxtkeys.log
- pdxtpdl.lst

Improved output information for jobs containing multiple duplicate inline graphic images

For jobs containing multiple duplicate inline graphic images, new message 5019-263 indicates the total number of inline graphic images, the number of unique images, and the number of duplicate images. For example,

```
5019-263 I (NDR) InfoPrint XT found 563 inline graphic images.
                Of these, 5 were unique and 558 were duplicates.
```

Improved job progress monitoring for large data stream conversions

For improved monitoring of job progress, new message 5019-040 periodically indicates how many pages have been processed. The frequency with which this message is issued is controlled by new parameter **xpginterval=0 | 500 - 50000**. The default value is **500** (5019-040 is issued approximately every 500 pages). Any value between 500 and 50000 is valid. **xpginterval=0** suppresses the 5019-040 message.

Message 5019-040 also includes elapsed time information for each group of converted pages. For example:

```
5019-040 I (NDR) 500 pages have completed conversion. InfoPrint XT converted 500
                pages in 00:00:03.893.
5019-040 I (NDR) 1000 pages have completed conversion. InfoPrint XT converted 500
                pages in 00:00:03.856.
5019-040 I (NDR) 1183 pages have completed conversion. InfoPrint XT converted 183
                pages in 00:00:02.041.
```

Improved performance control for data stream conversions

Parameters **xptxsize** and **xptxmaxareas** provide additional control of data stream conversion performance by reducing I/O for intermediate format data.

InfoPrint XT for Windows provides improved internal memory management.

Improved method for gathering diagnostic information about job conversions

A new **-a** parameter for the **pdxtx2afp** command specifies the name of an archive file that contains captured job information: the input and the output files, the data stream conversion log and the resources

used to convert the job. When you specify the **-a** parameter, **pdxtx2afp** forces the **xinlr=all** parameter in order to capture all resources required by the input stream. InfoPrint XT creates the archive file as *archive_file_name.tar.gz* (AIX) or *archive_file_name.zip* (Windows) in the current directory.

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 AFP 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
- InfoPrint Manager or Ricoh ProcessDirector writes job accounting information

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.

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.

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 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. InfoPrint XT comes with collections of predefined custom colors that can be used immediately.

Grayscale substitution for Xerox shading

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

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 InfoPrint XT publications for known limitations.

Performance considerations

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 InfoPrint XT according to documented procedures and for using the product in accordance with the Ricoh Software License Agreement (RSLA).

Accessibility

InfoPrint XT 3.2 has the following capabilities for vision-impaired users:

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

- Operation using only the keyboard

Technical Information

Operating Environments

Software Requirements

InfoPrint XT 3.2 can run on these AIX platforms:

- For InfoPrint XT with InfoPrint Manager:
 - AIX 6.1
 - AIX 7.1
- For InfoPrint XT with Ricoh ProcessDirector:
 - AIX 6.1 TL07
 - AIX 7.1 TL01 with SP06 or later
- For InfoPrint XT as a stand-alone product:
 - AIX 5.3 ML11 or later
 - AIX 6.1 TL06 with SP03, or later
 - AIX 7.1 TL00 with SP03 or later

InfoPrint XT 3.2 can run on these Windows platforms:

- For InfoPrint XT with InfoPrint Manager:
 - Windows 7
 - Windows Server 2008 Standard Edition
 - Windows 8 Professional
 - Windows 8 Enterprise
 - Windows Server 2012
 - Windows Server 2012 R2 Standard Edition
- For InfoPrint XT with Ricoh ProcessDirector:
 - Windows Server 2008 R2 SP1
 - Windows Server 2012 R2
- For InfoPrint XT as a stand-alone product:

- Windows 7
- Windows Server 2008 SP2 Standard Edition
- Windows Server 2008 R2
- Windows 8 Professional
- Windows 8 Enterprise
- Windows Server 2012
- Windows Server 2012 R2 Standard Edition

Hardware Requirements

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

Publications

- InfoPrint XT for AIX: Installing and Using, G550-1339-03
- InfoPrint XT for Windows: Installing and Using, G550-1340-03
- InfoPrint XT 3.2 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 International Agreement for Acquisition of Software Maintenance.

Licensing:

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

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:

<http://rpp.ricoh-usa.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

New Order Instructions

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

All customers who have an existing license of InfoPrint XT (AIX 5765-XTA) and a current software maintenance agreement, are eligible for a no charge upgrade to InfoPrint XT Version 3.2.

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

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InfoPrint XT 3.2

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