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## Ricoh ProcessDirector V3.2

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**Note: The Language Support section of the Announcement was updated on October 24, 2014 to document the availability of the Language Pack for French, Italian, German, and Spanish.**

### Overview

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Ricoh ProcessDirector is an extensible, configurable output process management system that lets you start small and grow over time. With core capabilities plus optional add-on features, Ricoh ProcessDirector allows flexible control of your print and mail production processes. It can streamline operations, improve process integrity, enhance operator productivity, reduce errors, and help lower costs. Ricoh ProcessDirector is also the backbone software of Ricoh Automated Document Factory solutions: Mailroom Integrity, Postal Optimization and Output Management.

This release of Ricoh ProcessDirector includes the ability to send emails to selected groups and users to notify them of printer or job events such as printer errors or successful job completion. New options give you control over the processing of large PDF files so you can optimize for first page out time and faster sustained throughput on Ricoh PDF printers. Significant improvements were also made to the installation process, especially on the Windows platform, where the requirements for Subsystem for UNIX-based Applications (SUA) has been removed and the ability to install on a server in a Windows domain has been added. A new Archive feature provides you with the ability to keep print data within your Ricoh ProcessDirector system longer for easy access to reprints without cluttering your production system with retained jobs. In addition, the new Avanti Slingshot Connect feature will allow connectivity to and from Ricoh ProcessDirector, receiving job and JDF information over JMF transmission and returning status of the time spent in tasks and pages processed.

With Ricoh ProcessDirector, you can meet production commitments and adapt to unexpected changes without adding staff, shifts, or equipment. Instead, move jobs easily across multi-vendor machines, data streams, and sites to improve asset utilization. Boost productivity with the capability to:

- Drive printers and inserters more efficiently
- Avoid missing deadlines and service level agreements
- Bring in new types of work
- Be prepared for unexpected disasters
- Integrate with other business systems

### Highlights

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- The Archive feature allows you to place jobs into repositories, specifying which job and document properties you want to use to retrieve them at a later date. Repositories can be anywhere in your network and each has its own retention period. A new GUI allows you to retrieve a job or

document, view it (if it is AFP or PDF) and submit it to a workflow in Ricoh ProcessDirector. By moving jobs from Ricoh ProcessDirector's active job list to a repository, you reduce the number of jobs facing your Operations Staff as they manage their day-to-day production work.

- The Avanti Slingshot Connect feature provides the capability to receive job and JDF information from the Avanti Slingshot MIS system and process it within Ricoh ProcessDirector. Thereafter, Ricoh ProcessDirector can provide status of the job back to Avanti Slingshot as it moves through the system. You can determine what steps in the Ricoh ProcessDirector workflow you want to report on. The data that is sent is page count and time spent in each step. With this integration, you can automate the reporting of production information through different steps in a workflow to Avanti Slingshot, saving operator time and reducing the risk of error in recording results.
- To give you control over the throughput of your Ricoh PDF printers when they are printing large jobs, two new printer properties let you specify the size of segments that Ricoh ProcessDirector will create to divide large files into manageable chunks. One property controls the size of the first segment, which affects the time to first print when a job is sent to a Ricoh PDF printer. The other property sets the size of the other segments which allows you to tune the data transfer to match the printer speed.
- The new notification function allows you to watch for properties of jobs or printers to change and decide who to send an email with information about the event. You can set up one notification for printer events that occur on second shift and a different notification for the same event during the day. You can monitor completion of jobs as well as for errors in jobs. You can define conditions so that only certain printers or jobs in a special workflow (such as checks) cause an email to be sent when a change occurs. You can compose the email to contain real-time data about the event in the form of job or printer properties such as the job or printer name and status information. You can configure the Notification object to limit the number of emails you get for a particular event, so that you are not inundated with email.
- Administrators will profit from two changes to the Workflow Builder component to improve their productivity. With this release, you can edit a workflow to add, change, or remove steps or conditions even though jobs are actively being processed by the workflow. In many cases, you will have to process some jobs again, but you avoid the inconvenience of deleting or reassigning jobs that you are testing while you develop or update workflows. Additionally, you can make workflows containing steps that you commonly use together and drag and drop those workflows into other workflows. Like a group copy and paste, this function makes it easier for you to reuse common sets of steps during the workflow creation process.
- Introduction of complex password rules allow you to make access to your Ricoh ProcessDirector server more secure.
- Ricoh ProcessDirector can now receive PDF jobs in a MIME package that contains the PDF file as well as JDF and JMF information. The JDF supported is a subset of the JDF Integrated Digital Printing Interoperability Conformance Specification (IDP ICS) and the associated Application Note. To use this submission method, the hot folder input device receiving the file must be

configured with a Batching method of JDF and the JMF must reference the name of the hot folder as the DeviceID.

- New customers of Ricoh ProcessDirector for Windows need not install the Subsystem for UNIX-based Applications (SUA) component that was formerly a prerequisite. Existing customers need not remove it and new customers can install it on their Windows Server 2008 or Windows 8 servers but it is not needed by Ricoh ProcessDirector to run. Support has also been added to allow installing Ricoh ProcessDirector on a system in a Windows domain.
- The PDF document processing power has been enhanced with changes to the available Adobe Acrobat Pro plug-in. Automated mapping of USPS address formats to postal document properties is now included. This new capability can help streamline the postal optimization process. A new function allows you to insert the same set of PDF pages to the beginning or end of each document and apply markup to those pages. This page insertion capability allows static PDF page content to be added to enhance documents. For example, a PDF full page advertisement can be added to the end of a statement. It can also be used to add a new page to the beginning of each document, and then augment that page with an address that is correctly positioned for the envelope stock being used during insertion. Several new ways of identifying page group boundaries were also added, including text in a defined area changing from one page to the next or text matching a string including wild cards or regular expressions. This allows a complex job to be broken into its individual included documents during processing within the workflow.

## Announce and General Availability Dates

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**Planned Announce Date: August 26, 2014**

**Planned Availability Date: August 29, 2014**

Note: The Avanti Slingshot Connect feature will release after the August 29, 2014 release of Ricoh ProcessDirector 3.2. Additional notification will be made of the Feature availability.

## New Item Numbers

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Item	Description
- 5765-H30-OC001	Base Platform Option
5765-H30-0001W	Ricoh ProcessDirector for Windows
5765-H30-0002L	Ricoh ProcessDirector for Linux
5765-H30-0003A	Ricoh ProcessDirector for AIX
0056	Ricoh ProcessDirector Archive Feature
S0056	Supply Feature -
5639 S19 0161	Ricoh ProcessDirector Archive Feature 1 Year Registration
0163	Ricoh ProcessDirector Archive Feature 1 Year Renewal

Item	Description
- 5639-S20-0117	Ricoh ProcessDirector Archive Feature 1 Year After License
S22 0160	Ricoh ProcessDirector Archive Feature 3 Year Registration
S23 0202	- 3 Year Renewal
S24 0244	3 Year After License
5765 H30 R0039	Restricted Use
5639 S19 R0313	Ricoh ProcessDirector Archive Feature 1 Year Registration
R0315	Ricoh ProcessDirector Archive Feature 1 Year Renewal
S20 R0336	Restricted Use Ricoh ProcessDirector Archive Feature 1 Year After License
S22 R0367	- Ricoh ProcessDirector Archive Feature 3 Year Registration
S23 R0416	Ricoh ProcessDirector Archive Feature 3 Year Renewal
R0464	Restricted Use Ricoh ProcessDirector Archive Feature 3 Year After License
5765 H30 U0089	
U0091	Restricted Use Ricoh ProcessDirector Archive Feature
C0039	Cold Backup -

### Item Numbers for Avanti Connection optional feature

Item	Description
5765-H30-0057	Ricoh ProcessDirector Avanti Slingshot Connect Feature
S0057	Supply Feature -
5639 S19 0162	Slingshot Connect Feature 1 Year Registration
0164	1 year Renewal
S20 0118	Ricoh ProcessDirector Avanti Slingshot Connect Feature 1 Year After License
S22 0161	or Avanti Slingshot Connect Feature 3 Year Registration
S23 0203	- 3 Year Renewal
S24 0245	3 Year After License
5765 H30 R0040	Restricted Use
5639-S19-R0314	Ricoh ProcessDirector Avanti Slingshot Connect Feature 1 Year Registration
R0316	Restricted Use - Ricoh ProcessDirector Avanti Slingshot Connect Feature 1 Year Renewal
5639-S20-R0337	Restricted Use Ricoh ProcessDirector Avanti Slingshot Connect Feature 1 Year After License
5639-S22-R0368	Restricted Use - Ricoh ProcessDirector Avanti Slingshot Connect Feature 3 Year Registration
S23 R0417	Restricted Use - Ricoh ProcessDirector Avanti Slingshot Connect Feature 3 Year Renewal
5639-S23-R0465	Restricted Use Ricoh ProcessDirector Avanti Slingshot Connect Feature 3 Year After License
5765 H30 U0090	Ricoh ProcessDirector Avanti Slingshot Connect Feature
U0092	
C0040	Cold Backup -

## Description

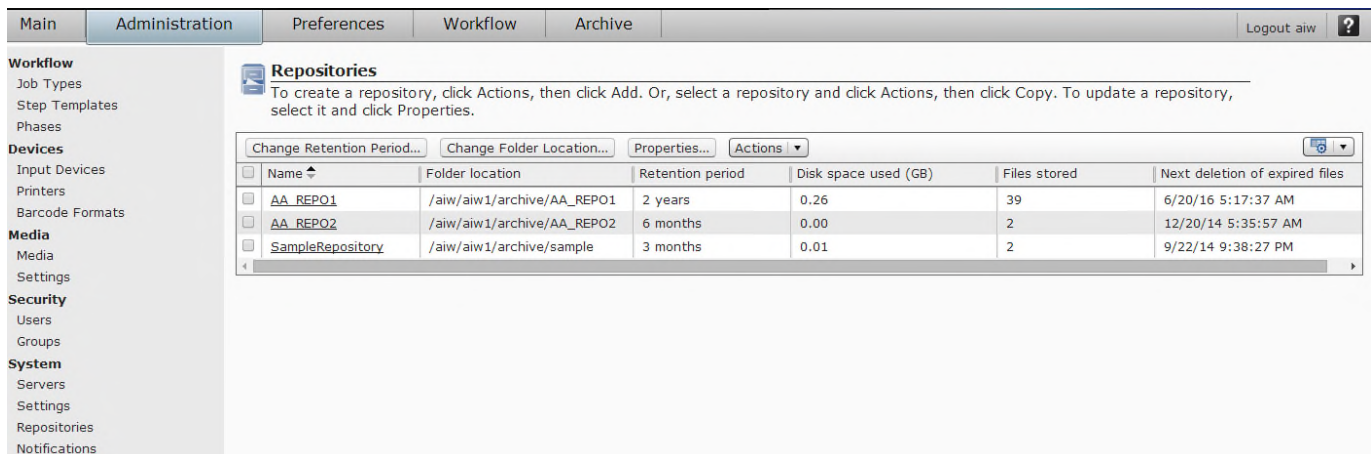
Ricoh announces the release of Ricoh ProcessDirector V3.2.0 for AIX, Linux, and Windows.

With modular features, including vendor-neutral inserter management, Ricoh ProcessDirector is the premier modular, browser-based, workflow software for job and document management and control. The base functions of Ricoh ProcessDirector include:

- Accepting files from multiple sources: from IBM z/OS® using Download for z/OS or AFP Download Plus, from a variety of hosts by copying files or using ftp to a directory defined as a hot folder and from multiple hosts using a command line print request (such as LPR)
- Managing print queues
- Tracking the production process from receipt of the print file to final delivery
- Using a file viewer to select the pages of AFP and PDF jobs to reprint
- Interacting with other programs, such as:
  - Third-party applications
  - User-written applications

## Archive Optional Feature

The Archive feature uses the concept of repositories to put jobs and documents into a directory where users can recall them when needed. In addition to a folder location, each repository can have its own retention period, allowing you to separate the jobs you must save for 3 months from ones you need to keep for 2 years, for example.



The screenshot shows the 'Administration' tab in the Ricoh ProcessDirector interface. The 'Repositories' section is active, displaying a table of existing repositories. The table has columns for Name, Folder location, Retention period, Disk space used (GB), Files stored, and Next deletion of expired files. Three repositories are listed: AA\_REPO1 (2 years retention), AA\_REPO2 (6 months retention), and SampleRepository (3 months retention).

Name	Folder location	Retention period	Disk space used (GB)	Files stored	Next deletion of expired files
AA_REPO1	/aiw/aiw1/archive/AA_REPO1	2 years	0.26	39	6/20/16 5:17:37 AM
AA_REPO2	/aiw/aiw1/archive/AA_REPO2	6 months	0.00	2	12/20/14 5:35:57 AM
SampleRepository	/aiw/aiw1/archive/sample	3 months	0.01	2	9/22/14 9:38:27 PM

After you define your repositories, you use a new step template called StoreInRepository to write any file associated with the job to a repository you select. You also specify which job and document properties you want to store with the file as metadata to be used to retrieve the file. You can have multiple StoreInRepository steps in a workflow to save different files at different spots in the workflow or to select a different repository based on conditional branches in the workflow.

To retrieve a document or job, the user accesses the Archive tab. Your administrator authorizes access to the Archive tab and the use of the Location property of the repository objects restricts what repository each user can search. By selecting any combination of job and document properties, you can search one or all repositories for a document or job. If you supply any document properties to search for (with or without job properties), a list of documents is returned. If you search for only job properties, a list of jobs is returned.

From the list of results, users can view the PDF or AFP file or submit it back to Ricoh ProcessDirector for reprocessing. You select a workflow to process the new job which could produce an identical reprint or specify different processing such as sending the file as an email attachment or reprinting it with different barcodes.

You can write files in formats other than PDF or AFP into the archive and retrieve and submit them for reprocessing, but you can only view PDF or AFP format files.

Main | Administration | Preferences | Workflow | Archive | Reports | Logout

Search

Select Repository: All | Apply any or all of the following search options: All | Number of results: 10

Property	Comparison	Value		
1 Customer name (Job)	=	MyInsurance	+	-
2 Postal state	=	MO	+	-
3 Member number	Like	6883%	+	-

Results

\* - Search: (8) Job.CustomerName = 'MyInsurance' AND Doc.Address.State = 'MO' AND Doc.Member.Number like '6883%' AND Doc.Address.ZipCode like '6%'

<input type="checkbox"/>	Member number	Zip code	Postal state	ID	Customer name (Job)
<input type="checkbox"/>	6883180429226837	65449	MO	10000018-1093	MyInsurance
<input type="checkbox"/>	6883180463953642	65721	MO	10000018-1105	MyInsurance
<input type="checkbox"/>	6883173780518906	65039	MO	10000018-1162	MyInsurance
<input type="checkbox"/>	6883179256453903	65714	MO	10000018-1165	MyInsurance
<input type="checkbox"/>	6883180429226837	65449	MO	10000019-893	MyInsurance
<input type="checkbox"/>	6883180463953642	65721	MO	10000019-905	MyInsurance
<input type="checkbox"/>	6883173780518906	65039	MO	10000019-962	MyInsurance
<input type="checkbox"/>	6883179256453903	65714	MO	10000019-965	MyInsurance



## E-mail Notifications

With the base Ricoh ProcessDirector, you can define a notification object to send emails to groups of users or individual email addresses when an event involving a job or printer occurs. You can enable and disable each notification object so that you only send emails when you want to. And you can set conditions for each notification to only apply to events occurring on a specific printer or between certain hours or for jobs with a certain string in their filename. Here are some examples of notification objects that might be useful in your operation.

You want to tell the customer service representative in your print service bureau when a rush job can be picked up in the Finishing area when it has completed the PrintJobs or BindJobs step.

Message <sup>?</sup>

\* Job {Job.InputFile} can be picked up in the Finishing area

Secure connection <sup>?</sup>

None ▾

Notification limit <sup>?</sup>

messages within minutes ▾

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### Event

You can specify one or more properties to monitor. When the event occurs, the system sends a notification based on the properties specified on the Conditions tab.

Property	Action	Value		
* Current step ▾	Changes from ▾	PrintJobs	+	-
Current step ▾	Changes from ▾	BindJobs	+	-

Summary

(Job.Step CHANGES FROM 'PrintJobs') OR (Job.Step CHANGES FROM 'BindJobs')

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### Conditions

Conditions limit the notifications that are sent for the specified event. If no conditions are specified, the system sends notifications whenever the event occurs. If one or more conditions are specified, those conditions must be satisfied before any notifications are sent.

Apply any or all of the following conditions <sup>?</sup>

All ▾

Property	Comparison	Value	
1 Workflow ▾	= ▾	RushJobs ▾	+

This notification informs your Operations supervisor that a printer has had a problem during second shift

Main	Administration	Preferences	Workflow	Archive
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Message ⓘ  
 \* Printer \${Printer.ID} reported this error: \${Printer.Status}

Secure connection ⓘ  
 None ▾

**Event**  
 You can specify one or more properties to monitor. When the event occurs, the system sends a notification based on the properties specified on the Conditions tab.

Property	Action	Value	
Printer status ▾	Changes to ▾	Needs attention ▾	+ -
Printer status ▾	Changes to ▾	Disconnected ▾	+ -

Summary  
 (Printer.Status CHANGES TO 'InterventionRequired') OR (Printer.Status CHANGES TO 'Disconnected')

**Conditions**  
 Conditions limit the notifications that are sent for the specified event. If no conditions are specified, the system sends notifications whenever the event occurs. If one or more conditions are specified, those conditions must be satisfied before any notifications are sent.

Apply any or all of the following conditions ⓘ  
 All ▾

	Property	Comparison	Value	
1	Current time ▾	> ▾	05 :00 PM ▾	+ -
2	Current time ▾	< ▾	11 :59 PM ▾	+ -

Summary  
 WorkflowSystem.CurrentTime > '17:00' AND WorkflowSystem.CurrentTime < '23:59'



## **Accessibility by people with disabilities**

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Ricoh ProcessDirector has the following capabilities for vision-impaired users:

- Allow operation using only the keyboard (except for layout customization, visual workflow builder, and job workflow viewer)
- Communicates all information without using color as the only distinguisher.
- Supports interfaces commonly used by screen magnifiers
- Supports interfaces commonly used by screen readers
- Provides documentation in an accessible format

The Archive feature has the following capabilities for vision impaired users:

- Communicates all information without using color as the only distinguisher
- Supports interfaces commonly used by screen magnifiers
- Provides documentation in an accessible format

Ricoh ProcessDirector has the following capability for users with mobility impairments or limited hand use:

- Can be operated using only the keyboard with exceptions noted above.

U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested from the Web site at

[http://www.ricoh-usa.com/about/accessibility/accessibility.aspx?utm\\_id=46&alnv=access](http://www.ricoh-usa.com/about/accessibility/accessibility.aspx?utm_id=46&alnv=access)

### **SECTION 508 OF THE U.S. REHABILITATION ACT**

Ricoh ProcessDirector is capable, when used in accordance with Ricoh Production Print Solutions' associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested using Ricoh Production Print Solutions' Web site at

[http://www.ricoh-usa.com/about/accessibility/accessibility.aspx?utm\\_id=46&alnv=access](http://www.ricoh-usa.com/about/accessibility/accessibility.aspx?utm_id=46&alnv=access)

## **Publications**

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All publications are downloadable from the Ricoh Information Center

<http://info.rpp.ricoh-usa.com/help/index.jsp>

The Ricoh ProcessDirector for AIX Publications CD, GK4T-4011, contains the following publications:

- Ricoh ProcessDirector for AIX: Planning and Installing, G550-1045
- Ricoh ProcessDirector: Integrating with Other Applications, S550-1069
- Ricoh ProcessDirector: Installing Document Processing Features, G550-20312
- Ricoh ProcessDirector: Using Ricoh ProcessDirector Plugin for Adobe Acrobat, G550-20229
- Ricoh Font Summary, G550-1140

In addition, the AIX Publications CD contains a stand-alone version of the Ricoh ProcessDirector AIX help system, also referred to as the Information Center.

The Ricoh ProcessDirector for Linux Publications CD, GK4T-4007, contains the following publications:

- Ricoh ProcessDirector for Linux: Planning and Installing, G550-1042
- Ricoh ProcessDirector: Integrating with Other Applications, S550-1069
- Ricoh ProcessDirector: Installing Document Processing Features, G550-20312
- Ricoh ProcessDirector: Using Ricoh ProcessDirector Plugin for Adobe Acrobat, G550-20229
- Ricoh Font Summary, G550-1140

In addition, the Linux Publications CD contains a stand-alone version of the Ricoh ProcessDirector Linux help system, also referred to as the Information Center.

The Ricoh ProcessDirector for Windows Publications CD, GK4T-4107, contains the following publications:

- Ricoh ProcessDirector for Windows: Planning and Installing, G550-1365
- Ricoh ProcessDirector: Integrating with Other Applications, S550-1069
- Ricoh ProcessDirector: Installing Document Processing Features, G550-20312
- Ricoh ProcessDirector: Using Ricoh ProcessDirector Plugin for Adobe Acrobat, G550-20229
- Ricoh Font Summary, G550-1140

In addition, the Windows Publications CD contains a stand-alone version of the Ricoh ProcessDirector Windows help system, also referred to as the Information Center.

## **Language support**

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As of October 24, 2014, this version of Ricoh ProcessDirector (V3.2) is available in English, French, Italian, German, and Italian.

A no charge Language Pack (item # LCD22005200) is available for download to be applied on a Ricoh ProcessDirector V3.2 that was installed prior to October 24, 2014 that requires French, Italian, German, or Italian language support.

This Language pack is now included when Ricoh ProcessDirector V3.2 is downloaded or ordered on media after October 24, 2014.

## **Customer Responsibilities**

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The customer is responsible for installing, configuring, maintaining, and using the Ricoh ProcessDirector™ according to documented procedures, and for using the product in accordance with the Ricoh Software License Agreement (RSLA).

Additional customer responsibilities can be found in the Software Support Handbook under your responsibilities at this Web Link:

[http://rpp.ricoh-sa.com/images/uploads/Literature/Software\\_Support\\_Handbook.pdf](http://rpp.ricoh-sa.com/images/uploads/Literature/Software_Support_Handbook.pdf)

## **Software Requirements**

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Ricoh ProcessDirector primary server can be installed on a server running one of the following:

- AIX® Version 6.1, Technology Level 06 with SP03 or later; or AIX Version 7.1, Technology Level 00 with SP03 or later, 64 bit
- SUSE Linux Enterprise Server 10 or SUSE Linux Enterprise Server 11 for x86 with latest service packs, 64-bit
- Red Hat Enterprise Linux® 5.6 through latest 5.X release, 64-bit
- Red Hat Enterprise Linux® 6.2 through latest 6.X release 64-bit
- Windows Server 2008 R2 or later, 64-bit
- Windows 8 Enterprise Edition, 64-bit

Ricoh ProcessDirector uses a web browser to access and display the user interface. You can access the interface from the system where the primary server is installed, or from any system running a supported web browser. The supported browser versions for accessing Ricoh ProcessDirector on a client system are as follows:

- Microsoft Internet Explorer 9 and 10
- Mozilla Firefox Latest Service Level
- Google Chrome, Latest Service Level

Ricoh ProcessDirector has a web-based viewer that displays AFP or PDF files to assist you in selecting pages for reprinting. This viewer requires Adobe Reader 9.0, X or XI on the client system.

Ricoh ProcessDirector can receive jobs for processing from the Job Entry Subsystem (JES) spool on an IBM z/OS host using either the Download for z/OS or AFP Download Plus optional feature of IBM Print Services Facility for z/OS V4.3 (5655-M32).

## **Hardware Requirements for Ricoh ProcessDirector V3.2.0**

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A minimum configuration for Ricoh ProcessDirector V3.2 is a server with:

- One or more 2.8 GHz, or faster, processors.

- DVD-ROM device.
- 4 GB or more RAM – some features require additional memory.
  - 12 GB RAM required for Automated Verification, Postal Enablement, Archive, PDF Mailroom Integrity, Inserter or Manufacturing Optimization features.
  - 6-8 GB Ram required for InfoPrint Transform features.
- Display with minimum resolution of 1280x800.
- Connectivity to the LAN.

**The following table contains the hardware requirements for the Ricoh ProcessDirector Transforms.**

<b>Ricoh ProcessDirector for AIX</b>	
Transforms	An additional 512 MB RAM for every two CPU cores, but no less than 2 GB. For example, if the computer has: - One dual-core processor, it must have an additional 2 GB RAM. - Two quad-core processors, it must have an additional 2 GB RAM. - Three quad-core processors, it must have an additional 3 GB RAM. - Four quad-core processors, it must have an additional 4 GB RAM.
Advanced Transform Feature	- Additional memory may be required for large or complex files - Minimum 3 GB additional free hard-drive space on the same drive that Ricoh ProcessDirector is installed on
<b>Ricoh ProcessDirector for Linux</b>	
Transforms	– An additional 512 MB RAM for every two CPU cores, but no less than 2 GB. For example, if the computer has: - One dual-core processor, it must have an additional 2 GB RAM. - Two quad-core processors, it must have an additional 2 GB RAM. - Three quad-core processors, it must have an additional 3 GB RAM. - Four quad-core processors, it must have an additional 4 GB RAM.
Advanced Transform Feature	- Additional memory may be required for large or complex files - Minimum 3 GB additional free hard-drive space on the same drive that Ricoh ProcessDirector is installed on.

<b>Ricoh ProcessDirector for Windows</b>	
Transforms	<p>– An additional 512 MB RAM for every CPU core, but no less than 2 GB.            For example, if the computer has:</p> <ul style="list-style-type: none"> <li>- One dual-core processor, it must have an additional 2 GB RAM.</li> <li>- Two quad-core processors, it must have an additional 4 GB RAM.</li> <li>- Three quad-core processors, it must have an additional 6 GB RAM.</li> <li>- Four quad-core processors, it must have an additional 8 GB RAM.</li> </ul>
Advanced Transform Feature	<ul style="list-style-type: none"> <li>- Additional memory may be required for large or complex files</li> <li>– Minimum 3 GB additional free hard-drive space on the same drive that Ricoh ProcessDirector is installed on.</li> </ul>

## **Supported PDF Printers**

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Additional models of Ricoh PDF printers are supported in this version of Ricoh ProcessDirector. Supported models include:

- RICOH Aficio MP 1100
- RICOH Aficio MP 1350
- RICOH Aficio MP 9000
- RICOH Aficio MP C6000
- RICOH Aficio MP C6501
- RICOH Aficio MP C7500
- RICOH Aficio MP C7501
- RICOH imagio MP 1100
- RICOH imagio MP 1350
- RICOH imagio MP 9000
- RICOH imagio MP C6000
- RICOH imagio MP C6001
- RICOH imagio MP C7500
- RICOH imagio MP C7501
- RICOH IPSiO 9100Pro
- RICOH IPSiO Aficio SP 9100DN
- RICOH Pro 1106EX
- RICOH Pro 1107
- RICOH Pro 1107EXP
- RICOH Pro 1107M
- RICOH Pro 1356EX

- RICOH Pro 1357
- RICOH Pro 1357EXP
- RICOH Pro 1357M
- RICOH Pro 6100
- RICOH Pro 6100HE
- RICOH Pro 6100HT
- RICOH Pro 8110S
- RICOH Pro 8100S
- RICOH Pro 8120S
- RICOH Pro 906EX
- RICOH Pro 907
- RICOH Pro 907EXP
- RICOH Pro C5100S
- RICOH Pro C550EX
- RICOH Pro C651EX
- RICOH Pro C700EX
- RICOH Pro C720
- RICOH Pro C720S
- RICOH Pro C751
- RICOH Pro C751EX
- RICOH Pro C900
- RICOH Pro C900S
- RICOH Pro C901
- RICOH Pro C901S

**Supported Kodak PDF printers include these models:**

- Digimaster EX110
- Digimaster EX125
- Digimaster EX138
- Digimaster EX150
- Digimaster EX300

**Supported Xerox PDF printers include these models with the DocuSP® Controller**

- DocuTech 6100,6115,6135,6155, 6180, 75, 90, 350, 425, 500, 700, 850, 1000, 128HLV, 155HLC, 180HLC,
- DocuPrint 100EPS, 115EPS, 135 EPS, 155EPS, 180EPS
- DocColor 250,2045,2060,6060,7000,8000
- iGen3
- Nuvera 100DCP, 120DCP, 100DPS, 120DPS
- XDP 4110,4590

**Hardware and Software Requirements for Ricoh ProcessDirector V3.2.0 optional Features**

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The Ricoh ProcessDirector Plug-in for Adobe Acrobat is provided as part of each of the document processing features of Ricoh ProcessDirector. It can be installed on a workstation, and requires one of the following:

- Windows XP Professional with SP3 or above – 32 and 64 bit
- Windows 7 Professional with SP1 or above – 32 and 64 bit

In addition, the following are required for the PDF Plug-in.

- Adobe Acrobat X Pro version 10.1.1 or above
- Sun Java JRE Sun Java Version 7 Update 6 or above
- 1GB RAM dedicated to the application

### **Ricoh ProcessDirector's Ink Savvy Tool**

The Ink Savvy Tool requires one of the following:

- Windows XP Professional Service Pack 3 or later
- Windows Server 2008
- Windows 7

In addition, the following is required:

- System requirements: Intel® Core™ 2 or similar, 2.4 GHz, 2 x 4 MB Level 2 (L2) cache, 2 GB RAM, 750 GB - 10.000 U/min hard disk drive with at least 5 GB free disk space
- Hardware components: Video card (DVI, supporting DirectX 9c), enabled Direct 3D acceleration, updated driver (not Windows default driver), for example, NVIDIA® GeForce 8600 GT; minimum screen resolution 1024 x 768 PX, 32 bit color depth
- Microsoft Internet Explorer 6.0 or higher, Direct X 9c or higher

The server must use the NTFS file system (FAT32 is not supported) with Ink Savvy.

### **PitStop Connect**

For Ricoh ProcessDirector for AIX or Linux, Pitstop Connect requires Enfocus PitStop Server 10 or higher on an application server that is configured to work with the primary server.

### **Impostrip Connect**

For Ricoh ProcessDirector for AIX or Linux, Impostrip Connect requires Ultimate Impostrip OnDemand Digital Automation 7 or higher on an application server that is configured to work with the primary server.

### **Avanti Slingshot Connect**

The Avanti Slingshot Connect feature requires Avanti Slingshot Connect Version 6.2014 or higher.

### **Transform features**

The transform features require WorldType Fonts version 8.13 for sap2afp files to transform correctly when IS/3 support is enabled.

### **Ricoh ProcessDirector's Ink Estimation**

For Ricoh ProcessDirector for AIX or Linux, the Ink Estimation feature includes a step template that must be tuned to run on an Application server that meets these requirements:

Operating system requirements (for the ink estimation feature):

- Windows 7 (configured as an Ricoh ProcessDirector Application server)
- Windows Server 2008 (Running on the Ricoh ProcessDirector primary server)
- Adobe Acrobat X Pro

Hardware requirements and software requirements (for the ink estimation feature):

- A minimum of two, 2.0 GHz CPU cores
- At least 1 GB RAM for each CPU core
- Enough free disk space to hold the TIFF images created by the EstimateInk step.  
The amount of space needed varies greatly, depending on the size and number of pages that are estimated at the same time.
- Adobe Acrobat X Pro
- Microsoft.Net framework 3.5.1 or later

### **Ricoh ProcessDirector Secondary Server Feature**

The Ricoh ProcessDirector Secondary Server Feature can be installed on a system running one of these operating systems:

- SUSE Linux® Enterprise Server (SLES) 10.0 or SUSE Linux Enterprise Server 11 for x86 with latest service pack, 64 bit
- AIX® Version 6.1, Technology Level 06 with SP03 or later; or AIX Version 7.1, Technology Level 00 with SP03 or later, 64 bit
- Red Hat Enterprise Linux® 5.6 through latest 5.X or 6.2 through latest 6.X
- The Secondary Server feature is not available on Ricoh ProcessDirector for Windows.

## **Terms and Conditions**

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Ricoh ProcessDirector is offered by Ricoh Production Print Solutions LLC in the United States and by one or more of its affiliates in selected countries outside of the United States, collectively (“Ricoh”).

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.

### **Licensing:**

The RSLA governs your use of the program. Your invoice serves as your License Confirmation as defined in the RSLA. These programs have 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 you have a current software maintenance agreement in effect.

### **Maintenance Service Offerings**

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Ricoh includes one year of software maintenance with the initial license acquisition of each program acquired under the terms of Ricoh Software Maintenance Agreement for Production Printing Software, which does not require customer signatures.

While covered under the terms of the software maintenance agreement, Ricoh provides you assistance for your routine, short-duration installation, and usage (how to) questions, as well as code defect support and access to PTF updates, releases, and versions of the program.

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 your Ricoh support center. This assistance is not available to your end users. Ricoh provides Severity 1 assistance 24 hours a day, every day of the year.

Software maintenance does not include assistance for the design and development of applications, program modifications, print data-streams, 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.

### **Limited Warranty**

Ricoh ProcessDirector is warranted as stated in the Ricoh Software License Agreement.

### **Ricoh ProcessDirector Ordering Information**

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Ricoh ProcessDirector is composed of a base license, printer attachment features, and optional features.

- Open the Configurator model for Ricoh ProcessDirector (#5765-H30)
- Choose among the Windows (5765-H30-0001W) or Linux (5765-H30-0002L) or the AIX (5765-H30-003A) option

- Choose optional features – one optional feature is required for each base license (5765-H30) that will install the optional feature. The optional features are listed in the “Item Numbers” section of this document.
- Specify the correct number and type of printer attachment features. A printer attachment feature must be ordered for each attached printer. For example, for 5 low-speed printers, the low-speed print attach item (5765-H30-0037) must be ordered with a quantity of five.
- The print speeds for the printer attachment are:
  - 0-62 impressions-per-minute (workgroup)
  - 63-91 impressions-per-minute (low-speed)
  - 92-116 impressions-per-minute (medium-speed)
  - 117 -1499 impressions-per-minute (high-speed)
  - 1500+ impressions-per-minute (ultra-high-speed)
- Specify the desired maintenance item (1 or 3 years)

### **Ink Savvy Ordering**

Ink Savvy is priced per print system (one duplex configuration = one system), and is designed to work exclusively with the InfoPrint 5000 (all models).

The Configurator automatically selects the maintenance items and supply features based upon the specified Optional Features, Upgrade Features, and Printer Attachments.

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