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## **InfoPrint Transform Manager V3.0 for AIX, Linux, and Windows**

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### **Overview**

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In today's global business environment, printing is a strategic decision—one that can have a profound effect on business growth and agility. The InfoPrint Transform Manager for AIX®, Linux®, or Windows® Version 3.0 software is designed to increase your print system flexibility and offload more of your IT/print environment. Now you can extend the simplicity and transparency of automated print datastream transformation to transform servers running on AIX, Linux, or Windows. Further, InfoPrint Transform Manager works in tandem with InfoPrint Manager, Ricoh ProcessDirector, and IBM InfoPrint Server for z/OS® to boost efficiency and help lower operating costs.

Advanced Function Presentation™ (AFP™) is an open, published standard in the print industry for printing variable data at very high speeds with exceptional integrity. In the past, AFP form definitions, page definitions, and other AFP objects made printing easy. Now complex variable data, images, SAP (OTF and ABAP), PCL, PostScript, and PDF files need to be converted to take advantage of secure and reliable AFP printing. This means you may need more processing power, possibly more than the existing server can provide.

InfoPrint Transform Manager can help provide this power. It allows PDF, PostScript, PCL, SAP (OTF and ABAP), and image formats (TIFF, GIF, and JPEG) to be automatically offloaded to a dedicated system for conversion to AFP, and then returned for printing. It can also convert AFP data into PDF. With transform bottlenecks reduced or eliminated, your print production workflow can run more efficiently, which can improve device utilization.

The enhanced InfoPrint Transform Manager is designed to integrate seamlessly with InfoPrint Manager for AIX, InfoPrint Manager for Windows, Ricoh ProcessDirector for AIX, Ricoh ProcessDirector for Linux, Ricoh ProcessDirector for Windows, and InfoPrint Server for z/OS to handle your data- and image-intensive transforms. The print server can automatically route appropriate print jobs to InfoPrint Transform Manager. When the jobs are complete, InfoPrint Transform Manager can return them for printing on AFP printers or on PDF printers (AFP to PDF transform).

The print server continues to manage and monitor print jobs, but it lets InfoPrint Transform Manager handle the bulk of the intense transform work, helping to improve the efficiency of the output workflow system. Transformation is transparent to job submitters or print operators.

With improved speed for PDF files, InfoPrint Transform Manager can help you slash processing time for complex, large files. A PDF rebuild capability can help bring non-compliant PDF files into compliance with the current PDF specification so they can be transformed at top speeds. The graphical user interface (GUI) can replace command line programming, so you can more easily oversee InfoPrint Transform Manager functions, such as font substitution.

InfoPrint Transform Manager allows print jobs to be spread across multiple cores on a single processor, across multiple processors, or across blade servers, so your processing power can grow with your needs. Start with an entry-level dual-processor server (at least two physical processors are required for the minimum configuration) or a blade server, and add more blades or processors when you need to increase transform processing power. InfoPrint Transform Manager offers automatic blade configuration to simplify installation with InfoPrint Transform Manager for Linux.

InfoPrint Transform Manager can also provide investment protection. Common Transform Technology, a core component of the software, allows future transforms to be integrated easily and quickly. In addition, InfoPrint Transform Manager strives to operate at the most current specification levels for the supported data stream transforms to help keep up with evolving requirements.

Build a foundation for the future with InfoPrint Transform Manager. Improved utilization and flexibility of transforms can help reduce complexity and help you optimize resource utilization. With consistent, high-speed transformation across multiple platforms using a dedicated server, you can streamline and accelerate the printing process.

Independent of hardware choices, the platform-independent Linux operating system complements the reliability of AFP technology and supports open, standards-based output. With InfoPrint Transform Manager V3.0, the AIX and Windows operating systems are also supported.

## **Announce and General Availability Dates**

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**Planned Announce Date: March 12, 2013**

**Planned Availability Dates: March 15, 2013**

### **At-a-glance**

InfoPrint Transform Manager can help you:

- Convert large, complex PDF, PostScript, and PCL files into AFP with outstanding performance
- Offload the resource-intensive transform process from your production print server
- Provide consistent, efficient transform output across Ricoh servers and platforms
- Scale transform capacity as your workflows change to include new data streams that must be converted to AFP
- Convert AFP into PDF for electronic delivery of output

### **Brief Summary**

InfoPrint Transform Manager is a scalable system that operates in AIX, Linux, or Windows systems. InfoPrint Transform Manager provides a powerful and cost-effective system for transforming print jobs

from the input format to the output format. When data and image transforms are required for Advanced Function Presentation printing or for conversion of AFP to PDF, print servers, such as InfoPrint Manager for Windows®, InfoPrint Manager for AIX®, Ricoh ProcessDirector for AIX®, Ricoh ProcessDirector for Linux®, Ricoh ProcessDirector for Windows® or InfoPrint® Server for z/OS®, can send transform requests to InfoPrint Transform Manager for processing across one or more transform servers. Once transformed, the data is automatically returned to the print server for printing or electronic delivery.

You configure the print servers so that print jobs that require transformation are sent to InfoPrint Transform Manager. The user interface lets you define both the print servers that are sending transform requests and the transform servers that are transforming the data. You can also use the user interface to start or stop transform servers and other functions.

### Highlights

- Convert large, complex PDF, PostScript®, and PCL files into AFP with outstanding price/performance
- Convert AFP files into PDF for electronic delivery, web presentation, or printing on PDF printers
- Provide consistent, efficient transform output across InfoPrint™ print servers running Ricoh ProcessDirector, InfoPrint Manager, or InfoPrint Server for z/OS. Use multiple cores on a single processor, multiple processors, or blade servers—scale as your needs change
- Standardize print operations on the reliable, scalable, AFP architecture and supported IPDS printers
- Improve print production workflow and help lower total cost of print with a dedicated print data stream transform solution
- Install InfoPrint Transform Manager to run automatically with your print server, or run it stand-alone using a command line.

### Item Numbers

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The software will be announced in these countries on the dates indicated in the *Announcement Dates* and *Availability Dates* sections.

More detailed description of the software item numbers is available in the *Description* section.

### 5639-ITM InfoPrint Transform Manager V3.0

Item Number	Description
5639-ITM	InfoPrint Transform Manager
<b>5639-ITM-OC001</b>	<b>Optional Features</b>
5639-ITM-0001	InfoPrint Transform Manager
U001	
<b>5639-ITM-OC002</b>	<b>Supply Features</b>

Item Number	Description
5639-ITM-0001-AIX	Media Pack: InfoPrint Transform Manager for AIX
5639-ITM-0001-LNX	Media Pack: InfoPrint Transform Manager for Linux
5639-ITM-0001-WIN	Media Pack: InfoPrint Transform Manager for Windows
5639-ITM-E0001-AIX	Electronic Download: InfoPrint Transform Manager for AIX
5639-ITM-E0001-LNX	Electronic Download: InfoPrint Transform Manager for Linux
5639-ITM-E0001-WIN	Electronic Download: InfoPrint Transform Manager for Windows
<b>5639-ITM-OC003</b>	<b>InfoPrint Transform Manager Software Maintenance 1 Year Registration</b>
5639-ITM-0001-1REG	InfoPrint Transform Manager
<b>5639-ITM-OC004</b>	<b>InfoPrint Transform Manager Software Maintenance 1 Year Renewal</b>
5639-ITM-0001-1REN	InfoPrint Transform Manager- Software Maintenance 1 Year Renewal
<b>5639-ITM-OC005</b>	<b>InfoPrint Transform Manager Software Maintenance 1 Year After License</b>
5639-ITM-0001-1AFT	InfoPrint Transform Manager - Software Maintenance 1 Year After License
<b>5639-ITM-OC006</b>	<b>InfoPrint Transform Manager Software Maintenance 3 Year Registration</b>
5639-ITM-0001-3REG	InfoPrint Transform Manager - Software Maintenance 3 Year Registration
<b>5639-ITM-OC007</b>	<b>InfoPrint Transform Manager Software Maintenance 3 Year Renewal</b>
5639-ITM-0001-3REN	InfoPrint Transform Manager - Software Maintenance 3 Year Renewal
<b>5639-ITM-OC008</b>	<b>InfoPrint Transform Manager Software Maintenance 3 Year After License</b>
5639-ITM-0001-3AFT	InfoPrint Transform Manager - Software Maintenance 3 Year After License

## Product Withdrawals

In addition to announcing InfoPrint Transform Manager V3.0, Ricoh is withdrawing InfoPrint Transform Manager V2.2 effective March 29, 2013.

End of service for InfoPrint Transform Manager V2.2 is March 29, 2014.

## Description

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InfoPrint Transform Manager handles data and image transform processing from print servers by balancing and managing transform requests across multiple transform servers. You interact with Transform Manager through a user interface on a Web browser.

InfoPrint Transform Manager includes these components:

### Coordinator

The coordinator communicates with these print servers:

- InfoPrint Manager for AIX and Windows (as a separate product)
- Ricoh ProcessDirector for AIX, Linux, and Windows

- Infoprint Server for z/OS

The coordinator balances the transform requests across transform servers.

## **Transform server**

The transform server manages these print data and image transforms:

- AFP
- PCL
- Adobe PDF and PostScript
- GIF
- JPEG
- SAP OTF and ABAP
- TIFF

The transforms convert the print data and image data to AFP. There is also a transform to convert AFP to PDF.

## **User interface**

The user interface lets you define print servers to InfoPrint Transform Manager and start, stop, and manage the transform servers. If you install multiple, separately licensed InfoPrint Transform Manager systems, you can use the user interface from any installation to add and manage the transform servers from the other installations.

## **Limitations**

- TIFF files larger than 2 GB are not supported
- InfoPrint Transform Manager does not provide full color support for PCL 6

## **Performance considerations**

Transform execution speed varies with the data stream type, job length, output resolutions, and the density and complexity of the average page. Careful evaluation, including benchmarking key jobs, might be required to determine feasibility with a particular InfoPrint Transform Manager configuration. In particular, PostScript and PDF data streams vary greatly in complexity, and it should be expected that transform speeds for similar but different jobs may be significantly different, even on the same hardware configuration.

## **Customer Responsibilities**

The customer is responsible for installing and using the InfoPrint Transform Manager according to documented procedures and for using the product in accordance with the Ricoh International Product License Agreement (IPLA), which can be found at this Web link:

<http://www.infoprint.com/licenses>

## **Accessibility**

InfoPrint Transform Manager has the following capabilities for vision-impaired users:

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

InfoPrint Transform Manager has the following capability for users with mobility impairments or limited hand use:

- Operation using only the keyboard

## **Technical Information**

### **Operating Environments**

### **Software Requirements**

- AIX 6.1TL06 with SP03 and above, 6.x where  $x > 1$ , and AIX 7.1 TL00 with SP03 and above, 7.x where  $x > 1$  – 64-bit only
- Linux operating systems: SUSE Linux Enterprise Server (SLES) 10.0 SP3 and above, 64-bit, SLES 11.0 SP1 and above, 64-bit, Red Hat Linux 5.6, 5.7, 5.8, 6.1, 6.2, 64-bit only. Blades are supported only on SUSE Linux.
- Windows Server 2008 64-bit.
- Supported browsers include:
  - Mozilla Firefox 3.5.13 on AIX
  - Internet Explorer® 9 or later on Windows
  - Mozilla Firefox 5 or 6 On Linux

InfoPrint Manager V4.3 for AIX or later, InfoPrint Manager for Windows V2.3 or later, or PSF for z/OS V4R3 or another AFP print server is required to print the transformed AFP output of InfoPrint Transform Manager. If you want to install InfoPrint Transform Manager in graphical mode, an X Windows system is required.

InfoPrint Transform Manager V3.0 can be ordered for electronic delivery, and is managed with license keys.

## **Hardware Requirements**

Ricoh recommends a server with the following minimum configuration. Your specific configuration needs will vary depending upon planned workloads.

- Intel® 64-bit platform (ITM will run in 32-bit compatibility) or IBM PowerPC (for AIX Operating System)
- Two 3.0 GHz or faster processors or a blade server with a minimum of two blades
- Minimum of 2 GB RAM

- DVD drive

## **Publications**

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InfoPrint Transform Manager for AIX, Linux, and Windows: Planning and Installing, G550-20160-01

InfoPrint Transform Manager for AIX, Linux, and Windows: License Information, G550-20158-01

## **Terms and Conditions**

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InfoPrint Transform Manager 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 International Program License Agreement (IPLA) and the International Agreement for Acquisition of Software Maintenance.

### **Licensing:**

The IPLA govern your use of the program. Your invoice serves as your Proof of Entitlement. 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 International Agreement for Acquisition of Software Maintenance, 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.



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Ricoh will maintain this information for at least one year after the original licensee acquires the program.

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## Ordering Information

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### New Order Instructions

InfoPrint Transform Manager V3.0 is a configured product. To purchase a new license, specify new order as the order type and specify 1 or 3 years maintenance. The interface will automatically specify 5649-ITM-xxx as the base item and select the corresponding 1 or 3 year registration maintenance feature.

**Note:** You need *at least two* InfoPrint Transform Manager licenses since the minimum configuration requires a two-processor server. Order an InfoPrint Transform Manager V3.0 license for each processor on which it will be run. For example, an xSeries server with two processors requires two licenses.

### Upgrade Instructions

All customers who have an existing license of InfoPrint Transform Manager and a current software maintenance agreement are eligible for a no charge upgrade to InfoPrint Transform Manager V3.0. To order the upgrade, contact your Ricoh representative. The Product Identifier is 5639-ITM.

InfoPrint Transform Manager for AIX, Linux, and Windows V3.0 consists of a base with no optional features. It is licensed per processor.

**Note:** You need at least two InfoPrint Transform Manager licenses since the minimum configuration requires a two-processor or two blade server. Order an InfoPrint Transform Manager V3.0 license for each processor on which it will be run. For example, a Windows server with two processors requires two licenses.

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