

## IBM Print Transform from AFP to PDF for Infoprint Server for z/OS Version 1 Release 1, Program Number 5655-TF1

IBM® Print Transform from AFP to PDF for Infoprint Server for z/OS® transforms documents from Advanced Function Presentation (AFP) format to Adobe Portable Document Format (PDF) 1.4 data streams. This lets you convert AFP output into PDF for delivery as e-mail, or for publishing on a Web site or portal.

Documents in AFP format can contain:

- Mixed Object Document Content Architecture for Presentation (MO:DCA-P) data
- Line data (requires an AFP page definition)
- 240-pel or 300-pel raster fonts

## Compatibility

IBM Print Transform from AFP to PDF for Infoprint Server for z/OS is a new offering designed to work with Infoprint Server for z/OS V1.10 and above.

## Limitations

IBM Print Transform from AFP to PDF for Infoprint Server for z/OS does not support these fonts:

- Double-byte character set (DBCS) outline fonts
- TrueType fonts
- OpenType fonts
- Printer-resident fonts

Other limitations might apply. For information about the limitations, see the documentation for IBM Print Transform from AFP to PDF for Infoprint Server for z/OS

## Specified operating environment

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### Hardware requirements

- IBM Print Transform from AFP to PDF for Infoprint Server for z/OS can be installed on IBM eServer™ zSeries® processors including z900, z990, z800, or equivalents.
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### Software requirements

- z/OS Version 1 Release 10 or higher.
- The Infoprint Server feature of z/OS with all current service applied.
- The SMP/E element of z/OS to install IBM Print Transform from AFP to PDF for Infoprint Server for z/OS .
- AFP Font Collection Version 1 (5648-113) or Version 2 (5648-B33), which contains 300-pel raster fonts and outline fonts. (If your installation has only 240-pel font libraries, you can use the AOXCF30 program to scale 240-pel fonts to 300-pel fonts.)

- Sonoran Equivalent Fonts PRPQ 8A5061 (5799-FLK) if documents contain Sonoran Serif or Sonoran Sans Serif fonts.
- Adobe Acrobat 5.0 or higher to view PDF documents.
- An AFP page definition, form definition, and font for formatting transform error messages.
- AFP resources that are not included inline in the AFP documents.

## **Licensed program materials availability**

Restricted materials - No. This licensed program is available without source licensed program materials. The program is available in object code.

## **Supplemental terms**

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### **Designated machine identification**

Designated Machine Identification Required: Yes

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### **Testing period**

None

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- Freetype2 API Version 2.3.4
- Libtiff Version 3.7.1
- Libpng Version 1.2.8
- LIBJPEG Version 6b
- zLib Version 1.1.3

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## Acknowledgements

The libtiff software was written by Sam Leffler while working for Silicon Graphics. The LZW algorithm is derived from the compress program (the proper attribution is included in the source code). The Group 3 fax stuff originated as code from Jef Poskanzer, but has since been rewritten several times. The latest version uses an algorithm from Frank Cringle -- consult libtiff/mkg3states.c and libtiff/tif\_fax3.h for further information. The JPEG support was written by Tom Lane and is dependent on the excellent work of Tom Lane and the Independent JPEG Group (IJG) who distribute their work under friendly licensing similar to this software. Many other people have by now helped with bug fixes and code; a few of the more persistent contributors have been:

- Bjorn P.Brox
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- Bruce A. Mallett
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```
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Glenn Randers-Pehrson  
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November 6, 2007

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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