



Release Notes for AFP2PDF Plus 1.4

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What's new in Release 1.4?

These new functions and updates are included in AFP2PDF Plus Version 1.4:

Process AFP files that contain multi-page TIFF images.

Added support for transforming AFP files that contain multi-page TIFFs. The transform now processes the TIFF page index offset as defined in the AFP spec.

AFP2PDF Plus can be run as a service on AIX, Linux, and Windows.

AFP2PDF Plus server can now be configured to run as a system service, enabling automatic startup on machine boot.

Shows the number of transformed pages.

The transform can now track and output the total number of pages successfully converted.

Alternate text support via image map option file for PDF/UA compliance.

Allows you to define alternate text for page segments by name, enabling better accessibility when used alongside the PDF/UA tagging tool.

Legacy mode and restored configuration options from AFP2PDF Native.

Several configuration options previously available only in AFP2PDF Native have been added to AFP2PDF Plus, offering customers more control and compatibility with legacy output behavior.

Page scaling and rendering accuracy

GLOBAL_SCALE: Scale the entire PDF page output.

USE_AFP_METRICS: Improve rendering accuracy by using original AFP layout metrics.

Legacy mode output behavior.

CMYK-to-RGB Color Conversion: Match color behavior from Native.

Font Mapping: Preserve legacy font mapping behavior.

Type 3 Character Positioning: Emulate Type 3 font positioning from the older engine.

Additional configuration options for output control and customization.

Several advanced configuration parameters were added to give more control over the resulting PDF:

PDF Producer: Define custom metadata about the PDF generator.

Disable_TTF_Subsetting: Choose whether to subset TrueType fonts.

GOCA_Color_of_Medium: Set background color for GOCA objects.

DASH_PATTERN_Style and DASH_PATTERN_ENDCAP: Customize the look and end behavior of dashed lines in GOCA graphics.

Improved processing of overlays, images, and color spaces.

Enhanced handling of edge cases and complex AFP structures, including:

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- Rotated overlays specified via Include Page Overlay.
 - Non-MODCA images embedded directly on the page.
 - Objects using SEC, CIELab, and Highlight color spaces.
 - TIFF images with deflate compression.
 - Refined GOCA line rendering and patterns.

Expanded support for modern font technologies.

Improved font handling by adding:

- Support for vertical layout TrueType fonts.
- Support for OpenType fonts and TrueType Font Collections (TTC).

New option to collect logs and configs into a debug package.

Added a configuration setting that collects relevant logs and configuration files into a single ZIP file, simplifying troubleshooting.

An installer is now available for AFP2PDF Plus.

New dedicated installer streamlines deployment and setup.

Thales Sentinel licensing support was added.

AFP2PDF Plus now includes integration with Thales Sentinel for secure and flexible software licensing.

Improved thread-safe logging.

Logging infrastructure has been upgraded to ensure thread-safe operation in multi-threaded environments.

Updated documentation and copyright.

User Guide, Help files, and copyright information have been refreshed.

OSS and third-party library updates for security.

Updated third-party components to latest secure versions:

- Bouncy Castle → v1.7.81
- Apache Santuario → v2.2.6
- InstallAnywhere → 2022
- Datalogics PDF Toolkit → v5.0.7

Security patches applied to iText library.

Patched third-party iText code to address known vulnerabilities:

- CVE-2017-9096
- XML External Entity (XEE) vulnerability.

Limitations

- When AFP data formatted for N-up portioning is encountered, the multiple partitions that make up the physical AFP page are converted to separate pages in the PDF file.
- Only limited support is available for object containers with TIFF and JFIF image formats.
- Color management resource (CMR) information contained in AFP resources is ignored.
- Unicode Complex Text, such as bidirectional layout processing and glyph processing, is not supported.
- Linked TrueType fonts and the use of a Resource Access Table (RAT) are not supported.
- Running AFP2PDF Plus using IBM Semeru Java on Windows and Linux is not supported.

Product documentation

See *AFP2PDF Plus Transform User's Guide*, for installation and post-installation tasks.

New and updated publications

Updated publications

- *AFP2PDF Plus Transform: Setup Guide* has been updated in these languages:
 - English, G5502036414
- *AFP2PDF Plus Transform User's Guide* has been updated in these languages:
 - English, G5502036410G
- *Quick Start Guide for AFP2PDF Plus* has been updated in these languages:
 - English

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