Known limitations, problems, and workarounds for AFP2PDF Plus, Version 1.301

Limitations

The current limitations of the AFP2PDF Plus Transform include:

- When AFP data formatted for N-up partition 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.

- TrueType font collections, linked TrueType fonts, and the use of a Resource Access Table (RAT) are not supported.

- Creating a PDF document with both linearization and certificate does not work.

- When you run the trial version of the transform in server mode and the certificate has expired, AFP2PDF Plus becomes unresponsive.

Image map limitations for AFP2PDF Plus compared to AFP2PDF Native

Mapping tilled IOCA images

Description: AFP2PDF Native treats each tile of an IOCA object as an individual mapped image, while AFP2PDF Plus can only map the entire IOCA object.

Object containers directly on page

Description: AFP2PDF Native has limited support for object containers added directly on the page, while AFP2PDF Plus does not support object containers directly on page, except for PDF output files.

🔽 Note

This limitation also affects the transform, not only the image mapping.

Image mapping: Differences between AFP2PDF Native and AFP2PDF Plus

IM1 images

Description: AFP2PDF Native does not honour the XFilSize and YFilSize parameters in the Image Cell Position (ICP) structured field and the cells will not be replicated. AFP2PDF Plus honours these parameters; therefore, the size of the output images might be different.

IOCA and non AFP images

position and trim:

For AFP2PDF Native, the XOcaSet and YOcaSet parameters from Object Area Position (OBP) structure fields or corresponding values from the Include Object (IOB) structured field incorrectly move the area and the content of an object.

As a result, the trimming of the image might not be correct, because the area is not properly defined. For image mapping, the image size is not properly calculated for trimmed images (independent of the XOcaSet /YOcaSet issue). AFP2PDF Plus handles XOcaSet and YOcaSet correctly and the size of the images is determined when actual trimming is involved.

center and trim:

For the image mapping for AFP2PDF Native, the image size is not properly calculated, if the image is not trimmed. This also affects the origin of the image. However, AFP2PDF Plus properly calculates the size and origin.

scale to fit:

The AFP2PDF Native has an incorrect positioning of images with a rotation and larger then their area. The issue is not present in AFP2PDF Plus.

position:

This mapping option is not normally allowed for IOCA objects, but AFP2PDF Native allows it and does not check if the image fits the area. AFP2PDF Plus does not allow this mapping option as MODCA dictates. The image mapping part of the code replicates the Native behavior for now.

Page segments:

Description: AFP2PDF Native has some inconsistencies in determining and matching the name of the image. If multiple images are present in a page segment, only the first image will have the complete name. However, the other image names will not include the pseg name.

-t command line parameter:

Description: For AFP2PDF, the rotation does not apply when new images are added with image mapping. However, AFP2PDF applies the rotation to the entire page, including new images added with image mapping.

This was noticed on a test case from Ricoh-Japan (20Pdata2009.afp) where the external image to be mapped was rotated before hand to fit the rotated afp content.

Medium maps:

Page orientation on medium, from Page Position Format 2(PGP-2) structured field.

Description: Supported only by AFP2PDF Plus.

⬇ Note

- This is not specific to image mapping, but it affects the mapping.

Images from medium overlays, referenced by MMC and mapped to an identifier in Map Medium Overlay (MMO) structured field:

Description: For AFP2PDF Native, the position and the size of images are not properly calculated.

PMC overlays, referenced via the X'6c' triplet in a Page Modification Control (PMC) structured field:

Description: AFP2PDF Native ignores the flag from PGP-2 that uses the origin of the page or partition when placing a PMC overlay, always relative to the partition. However, AFP2PDF Plus honours the flag.

⬇ Note

- This is not specific to image mapping, but it affects the mapping.

Changes from a Previous Release

This section contains a short description regarding the limitations for AFP2PDF Plus, version 1.301.

Changes in Version 1.300:

New:

No limitation has been added in version 1.300.

Changed:

No limitation has been changed in version 1.300.

Removed

- Limitation for mapping celled IM1 images is removed. These objects are now supported and can be replaced with an image or a shaded area, using the image map configuration file.

- TIFF, GIF, JPEG and PDF images can now be referenced directly from the disk, without wrapping them in an AFP container.

For more information on the AFP2PDF Plus transform, see AFP2PDF Plus User's Guide, Version 1.301.