

PitStop 2022

What's new?



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Introduction

The primary objective of this release is to provide support for PDF 2.0 and PDF/x-6. There are over 40 new Actions related to this. PitStop 2022 also comes with some updates to existing Actions that would be affected by PDF 2.0 and PDF/x-6.

1. System requirements

| | PitStop Pro, StatusCheck | | Pitstop server | PitStop Workgroup Manager | PitStop Library | |
|--|--------------------------|--------|----------------|---------------------------|-----------------|--------|
| | 64-bit | 32-bit | | | 64-bit | 32-bit |
| Acrobat DC | ✓ | ✓ | | | | |
| Windows 8.1 Update (KB2919355) 64-bit | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| Windows 10 64-bit | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Windows 11 64-bit | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Windows Server 2012 R2 Update (update 2 KB29193455) 64-bit | | | ✗ | ✗ | ✗ | ✗ |
| Windows Server 2016 64-bit | | | ✓ | ✓ | ✓ | ✓ |
| Windows Server 2019 64-bit | | | ✓ | ✓ | ✓ | ✓ |
| Windows Server 2022 64-bit | | | ✓ | ✓ | ✓ | ✓ |



| | | | | | | |
|---|---|---|---|---|---|---|
| macOS 10.14.1 or higher (Mojave) | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| macOS 10.15 (Catalina) | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ |
| macOS 11 Big Sur (running on an Intel mac) | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ |
| macOS 11 Big Sur (running via Rosetta2 on Apple Silicon) | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| macOS 11 Big Sur (natively running on Apple Silicon) | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ |
| macOS 12 Monterey (running on an Intel mac) | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ |
| macOS 12 Monterey (running via Rosetta2 on Apple Silicon) | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| macOS 12 Monterey (natively running on Apple Silicon) | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ |
| SUSE Linux Enterprise Server 15 SP1 | | | | | ✓ | ✗ |
| Switch 2019 (all versions) | | | ✓ | | | |
| Switch 2020 (all versions) | | | ✓ | | | |
| Switch 2021 (all versions) | | | ✓ | | | |

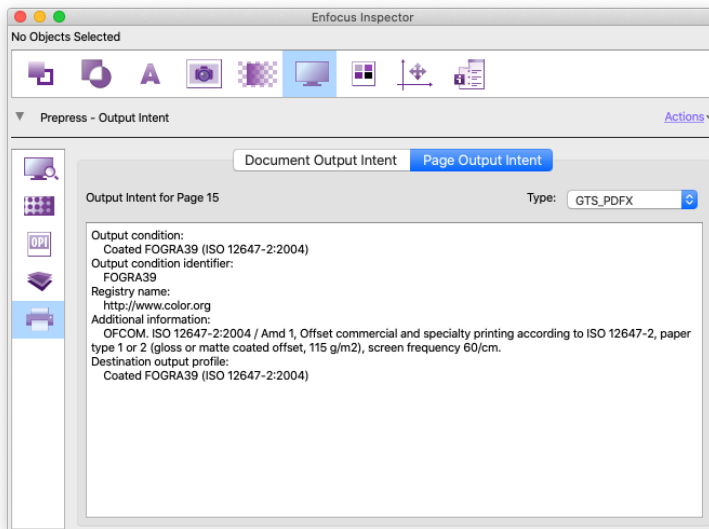


2. PDF 2.0 and PDF/x-6 related changes

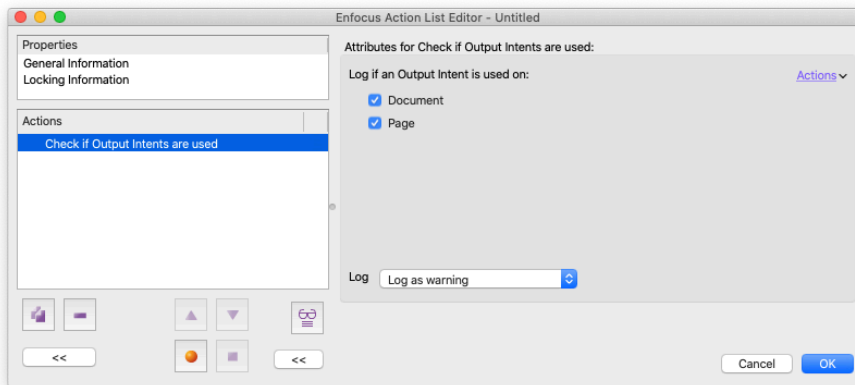
"In PDF 2.0, the fundamentals of PDF remain the same. Although these changes don't represent new features, they make it much easier to implement the specification. In short, PDF 2.0 will make it easier and less costly for developers to improve their support for PDF technology at every level." – PDF/A.org

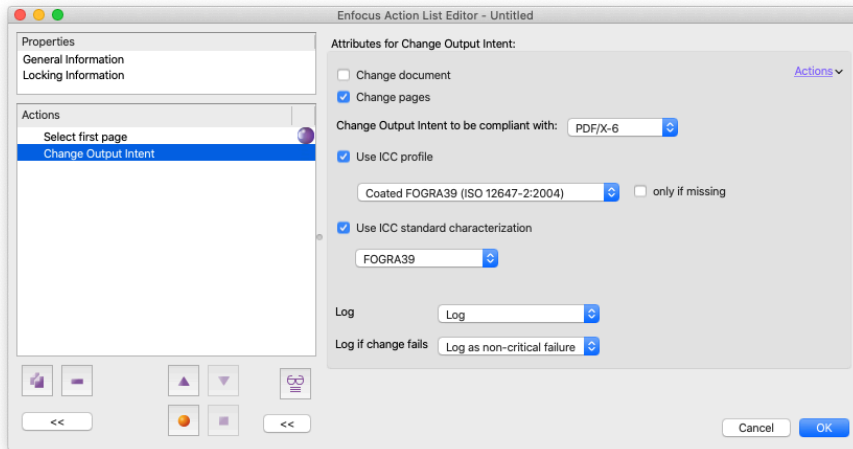
2.1. Page level output intent

Page level output intent can be viewed and changed in the Inspector.



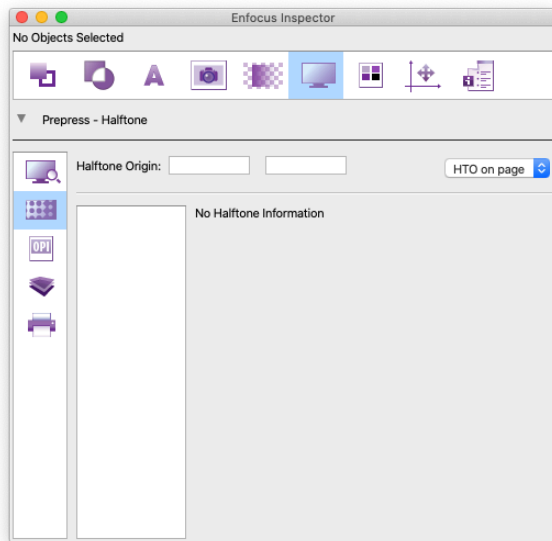
Page level output intent can also be checked and changed through an Action List.



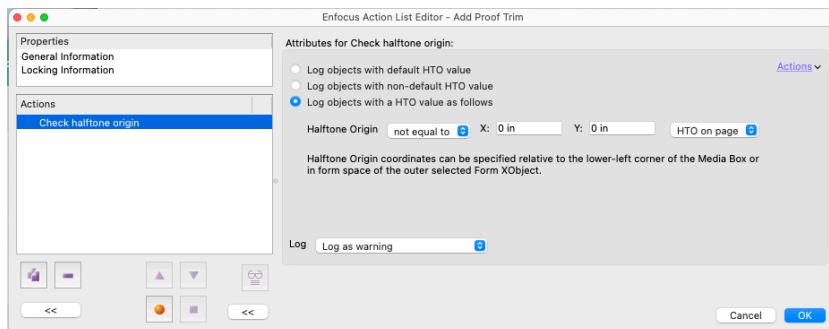


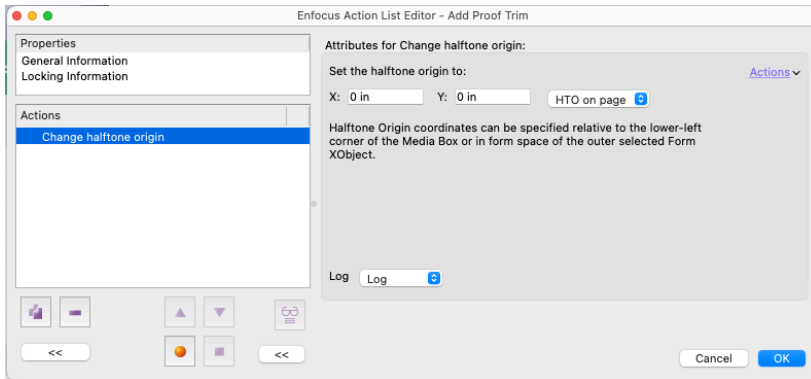
2.2. Halftone origin

Halftone origin can be viewed and changed in the Inspector.



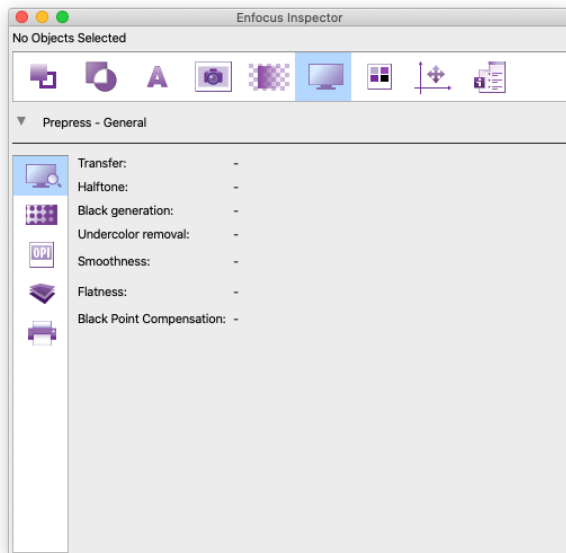
Halftone origin can also be checked and changed through an Action List.



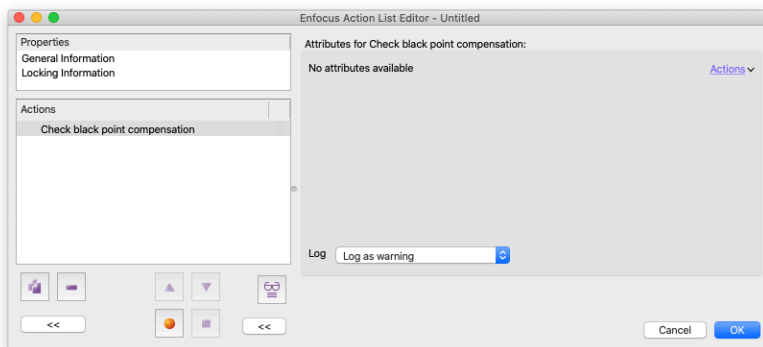


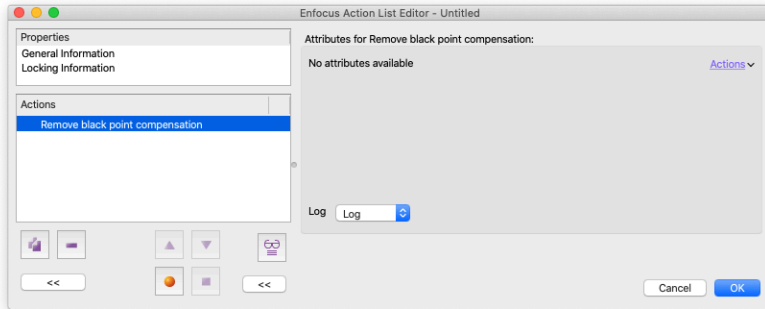
2.3. Black point compensation

Black point compensation can be viewed in the Inspector.



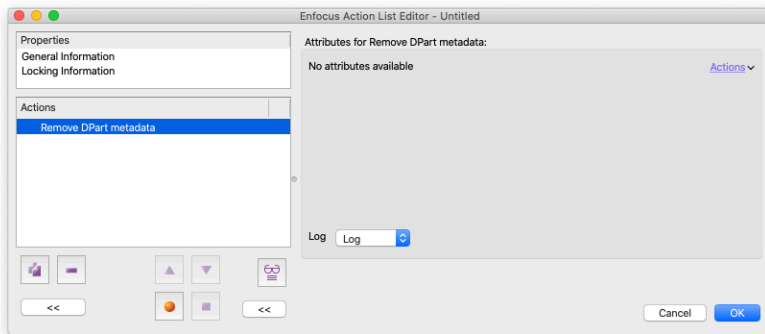
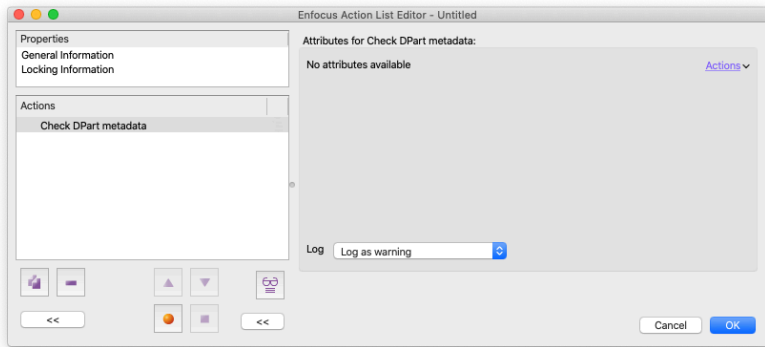
Black point compensation can also be checked and removed through an Action List. Per-object black point compensation settings (PDF 2.0) are honoured.





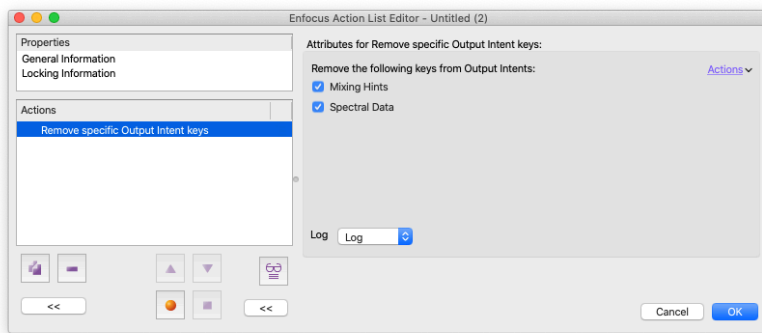
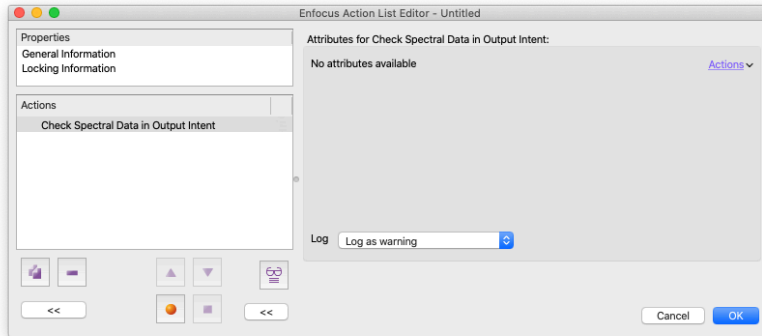
2.4. Document part metadata

DPart metadata can be checked and removed through an Action List.



2.5. Spectral data (CxF)

Spectral data can be checked for and removed via an Action List.

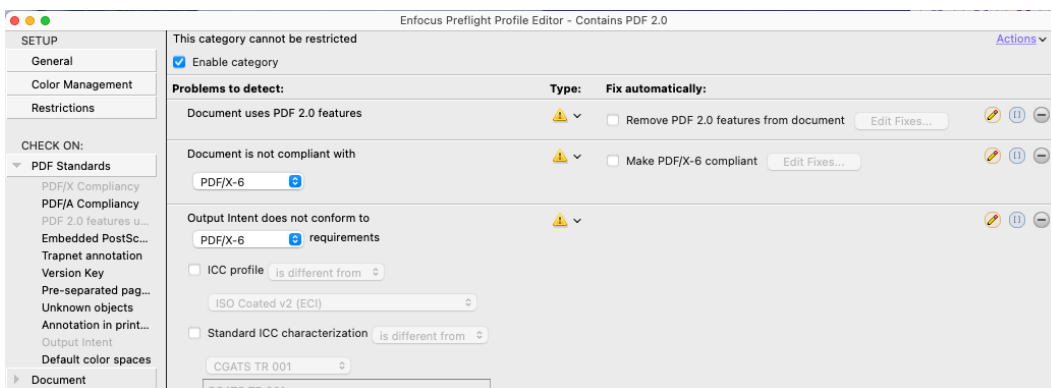


2.6. Preflight Profile additions

2.6.1. New Preflight Profiles in PitStop 2022

Preflight Profile additions to support PDF 2.0 and PDF/x-6 include:

1. Document uses PDF 2.0 features
2. Document compliance with PDF/x-6
3. Output intent conformance with PDF/x-6, including ICC specifications
4. PDF/x-6 version key





2.7. Action List additions and updates

2.7.1. New Actions in PitStop 2022:

1. Check for associated files
2. Remove associated files
3. Check PDF text string encoding
4. Remove name fromXObject
5. Remove alternative blend modes
6. Remove Output Intents
7. Check if Output Intents are being used
8. Check Mixing Hints in Output Intent
9. Check Output Intents for DotGain
10. Check Spectral Data in Output Intent
11. Check if requirements are used
12. Change Requirements
13. Select inline image syntax
14. Check inline image syntax
15. Change inline image syntax
16. Check black point compensation
17. Select black point compensation
18. Remove black point compensation
19. Set black point compensation
20. Check DPart metadata
21. Remove DPart metadata
22. Check enforced viewer preferences
23. Remove enforcements on viewer preferences
24. Select by halftone origin
25. Check halftone origin
26. Change halftone origin
27. Set default halftone origin
28. Check version compatibility with PDF/A-2
29. Check version compatibility with PDF/X
30. Fix version compatibility with PDF/A-2
31. Fix version compatibility with PDF/X
32. Check for inconsistent Type 3 font width information
33. Fix inconsistent Type 3 font with information
34. Select corrupt Type3 font widths
35. Check document information dictionary compliance
36. Remove additional actions
37. Remove sub-page navigation support
38. Remove alternate presentations
39. Remove file specification keys
40. Remove specific Output Intent keys
41. Remove CharSet or CIDSet
42. Check usage of device color spaces for PDF/X

2.7.2. Existing Actions getting PDF/x-6 support :

1. Add default color spaces for color spaces that are not compliant to the Output Intent
2. Check for non-PDF/X or PDF/A compliant halftone
3. Remove non-PDF/X or PDF/A compliant halftone
4. Check appearances of annotations and interactive form fields
5. Select annotations' appearance streams content according to annotation selections
6. Change Output Intent
7. Check Output Intent
8. Select by color space in Output Intent
9. Select non-compliant Output Intent
10. Select objects of which ICC profile is equal to ICC profile in PDF/X Output Intent
11. Check if ICC differs from ICC profile in PDF/X Output Intent
12. Gather Output Intent Information
13. Check if compression filters are PDF/X compliant
14. Check if JPEG2000 compressed images are PDF/X compliant



15. Check PDF/X viewer preferences
16. Make viewer preferences PDF/X compliant
17. Check if layer is PDF/X compliant
18. Change PDF/X version key
19. Check PDF/X version key
20. Remove PDF/X version key
21. Change page box layout
22. Check page box layout
23. Check if TrueType fonts are PDF/X compliant
24. Select non-PDF/X or PDF/A compliant TrueType fonts
25. Check for file structure problems
26. Select by color space in Output Intent

2.7.3. Existing Actions adding new PDF 2.0 related keys/settings were added:

1. Change Annotation flags
2. Check Annotation flags settings
3. Check annotations type
4. Select annotations
5. Use flags to select annotations
6. Check for action dictionaries
7. Remove action dictionaries
8. Check document security
9. Change PDF version
10. Select by PDF Version
11. Select inline image syntax
12. Check inline image syntax
13. Change inline image syntax

2.7.4. Existing Actions getting support for XMP 2005 and 2016 was added:

1. Select document if document XMP metadata contains invalid types
2. check if document XMP metadata types are valid
3. Check for XMP schema definitions as required by PDF/A
4. Fix PDF/A extension schema definitions in document XMP metadata

2.8. General changes:

1. Color conversion related actions take PDF/X page level output intent into account
2. Color conversion related actions take object black point compensation into account
3. Other changes to existing actions (also often changes needed to comply with PDF 2.0 and PDF/X-6, but where the action is not depending on the exact version key)
4. Scale to fit page size (reduced tolerance ENFP-10057)
5. Remove ICC tag (now also possible on blending color spaces)
6. Check corrupt font widths (added tolerance + option to check vertical writing)



7. Change corrupt font widths (added option to fix for vertical writing)
8. Check Access control (added new GUI)
9. Select page by its pagebox properties (should select a page when one of the edges fails the condition, not only when ALL the edges do)
10. Check page bleed box (should log a page when one of the edges fails the condition, not only when ALL the edges do + added option to just check one side)
11. Select page by gray surface (takes Output Intent into account)
12. Check for all non-default transfer functions (added UI)
13. Check if document has enough high-ASCII bytes in the PDF header (configurable options)
14. Remove transparency (supports new PDF 2.0 transparency settings on annotations)
15. Change transparency (supports new PDF 2.0 transparency settings on annotations)
16. Check for transparent objects (supports new PDF 2.0 transparency settings on annotations)

2.9. Improved features

2.9.1. Bleed on a contour

Bleed on a contour has been improved to allow image masks to be extended. This creates image bleed by exposing more image where available.

2.9.2. Bleed on a contour using Trim Box

When using the trim box as the contour to create bleed, image masks are manipulated to expose bleed (see 1.9.1). Note that each trim edge is evaluated individually to create the bleed and that pixel cloning will override vector extending when both situations are present. This is to avoid an undesirable white line effect where there is created bleed collision.

2.9.3. Convert Gray to K

A new Action converts gray, as a brightness value, to a K channel value. For instance, a gray color that has a brightness of 15% will be converted to C/M/Y/K. This avoids a previous two-step color conversion where gray would become a CMYK mix.

2.10. List of bug fixes in this release:

| Issue | Product | Summary |
|------------|-----------------|--|
| ENFP-10164 | PitStop Pro | drag & drop functionality of presets doesn't work properly in the preset manager |
| ENFP-10092 | PitStop Library | Annotated report bug in PitStop 2021 Fall? |
| ENFP-10085 | PitStop Library | PDFLib 11 regression: can no longer reliably subset Type 1 fonts |
| ENFP-10073 | PitStop Pro | Annotations reported when only checking for them, but not in a bigger profile |
| ENFP-10057 | PitStop Pro | PitStop: Scaling does not work as expected; override rounding doesn't work |



| | | |
|------------|----------------|---|
| ENFP-10029 | PitStop Server | Slow Processing |
| ENFP-9936 | PitStop Pro | To log pages with overlapping cross pattern |
| ENFP-9621 | PitStop Pro | PitStop Pro: Rotated Objects not detected |
| ENFP-9306 | PitStop Pro | Font selection window too small on external monitor |
| ENFP-8657 | PitStop Pro | Inspector & Object Browser position change after minimizing |

Raymonde de Larochelaan 13
9051 Gent, Belgium
www.enfocus.com



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