callas pdfToolbox 9.1

Just when you thought you knew everything...

David van Driessche
CTO - Four Pees
david@fourpees.com
Agenda

• Processing steps
• New functionality
• Improvements to the shapes technology
• Variables and debugging
Metadata for “not for print” elements
Metadata attached to OCGs

• Each OCG (also called layer) can have
  – A group to identify what kind of metadata we’re talking about
  – A type to be more specific
Groups

• Structural
• Positions
• Dimensions
• Braille
• Legend
• White
• Varnish
In pdfToolbox Explore Layers

Processing Step Metadaten
Gruppe: Structural
Typ: Cutting

Ebenen-Explorer
Ebenenansichten
Ebenen
- Non-spot color objects
- Spot "die-lines"
- Spot "fold-marks"
- Spot "score-lines"
- Spot "silver"

Processing Step Metadaten für die Identifikation der Ebene

Metadaten der Ebene:
Keine Metadaten vorhanden
Agenda

- Processing steps
- New functionality
- Improvements to the shapes technology
- Variables and debugging
Place Barcode

• Automatic inclusion of a “quiet zone” to ensure readability by scanner

Before

After
Improved fixups / actions

- **Mirror pages:**
  Now have an “apply to” to select pages

- **Transparency flattening**
  New Adobe PDF library (Acrobat DC version)
  Compression type: ZIP or JPEG

- **Image downsampling**
  “maximum” and “high” now by default use
  “Chroma subsampling” to create less artefacts
Move objects

- Moves objects selected by a filter
- The clipping path of those objects is enlarged so it contains both the old and new position of the object
Place Content

• Now supports SVG directly
  – File name must be “index.svg”
  – When HTML is present, that gets priority

• Beta: other supported file formats (such as images) can also be used directly...
New conditions

• Is in custom area
  – To detect objects in a specific area relative to one of the page boxes
  – Can be combined with other conditions to pinpoint specific objects

• Text is rotated
  – To detect text with a specific rotation
Report filtering

• New command-line parameter to hide specific report severities. Works for the report types:
  – XML
  – HTML-template
  – Overview
  – Mask
  – Comment

• Parameter: HideError, HideWarning, HideInfo
Agenda

• Processing steps
• New functionality
• Improvements to the shapes technology
• Variables and debugging
New functionality

• Adjust size of shape resulting from page object tracing:

• White areas inside a shape can be filled:
Agenda

• Processing steps
• New functionality
• Improvements to the shapes technology
• Variables and debugging
Variables with pop-ups

- Define variables in a script
  - But have them show a pop-up menu when executed in pdfToolbox Desktop
  - Works through “app.requires”
Variables and external files

• Use variables to access
  – “Side-car” files
  – XML reports
Variables and hits

- Hits found by a check can be found in
  - app.doc.result

- Examples
  - Create bleed to the closest text block
  - Report lowest resolution per page
Report lowest resolution per page
Report lowest resolution per page

1. Image resolution under 300dpi?
   - Yes: Prepare information for next page
     - Yes: Place text on relevant page
     - No: Work left?
   - No: The End

2. Work left?
   - Yes: Prepare information for next page
     - Yes: Place text on relevant page
     - No: The End
   - No: Analyze hits and create page list
Debugging Profiles

• Press “Alt” key while running a profile
  – Allows enabling or disabling fixups
  – So you can test what causes a particular problem
  – (this does not change the actual profile)
Debugging Profiles
Debugging Process Plans

• Enable “Log profile execution” before running the process plan
Debugging Process Plans
Debugging Process Plans

• Creates a folder with information about the execution of the process plan
  – In the user preferences
  – Never deleted (delete it when?)
  – Opened automatically
Console in script editor

- Javascript console now available while writing Javascript
  - `console.log` writes to console
Log app objects

- Use JSON.stringify function
  - JSON.stringify( app, null, "\t" )
  - JSON.stringify( app.doc, null, "\t" )
JSON.stringify(app.doc.result,null,"	")

{  
  "checks": [  
    {  
      "conditions": [  
        {  
          "id": "CSIMAGE_Group:CSIMAGE_BitsPerColourComponent",  
          "name": "Farbtiefe"  
        },  
        {  
          "id": "CSIMAGE_Group:CSIMAGE_Resolution",  
          "name": "Bildauflösung"  
        }  
      ]  
    },  
    "hits": [  
      {  
        "page": 0,  
        "triggers": [  
          {  
            "value": 8  
          },  
          {  
            "value": 72  
          }  
        ]  
      },  
      "id": "R9c366e6c60a845c53d17c1407244b8d3",  
      "name": "Resolution of color and grayscale images is less than 300 ppi",  
      "numHits": 1,  
      "pageNumbers": [  
        0  
      ],  
      "severity": 3  
    }  
  ]  
}

"hits": {},  
"numErrors": 1,  
"numInfos": 0,  
"numWarnings": 0,  
"reports": []
That’s it, folks!

Questions?

David van Driessche
CTO - Four Pees
david@fourpees.com