

# Asia/Pacific Activities

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## OpenPrinting Asia/Pacific Regional Group

OPFC  
(OpenPrinting Framework Consortium)

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# CUPS PDF Filters

# PDF Filters: Approach

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- Migrate the Linux printing data flow from PostScript based to PDF based for a simpler and more efficient system

## PostScript based filters

## PDF based filters

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Format  
Converter

imagetops  
texttops

imagetopdf  
(texttopdf)

Layout  
Processor

pstops

pdftopdf

Renderer

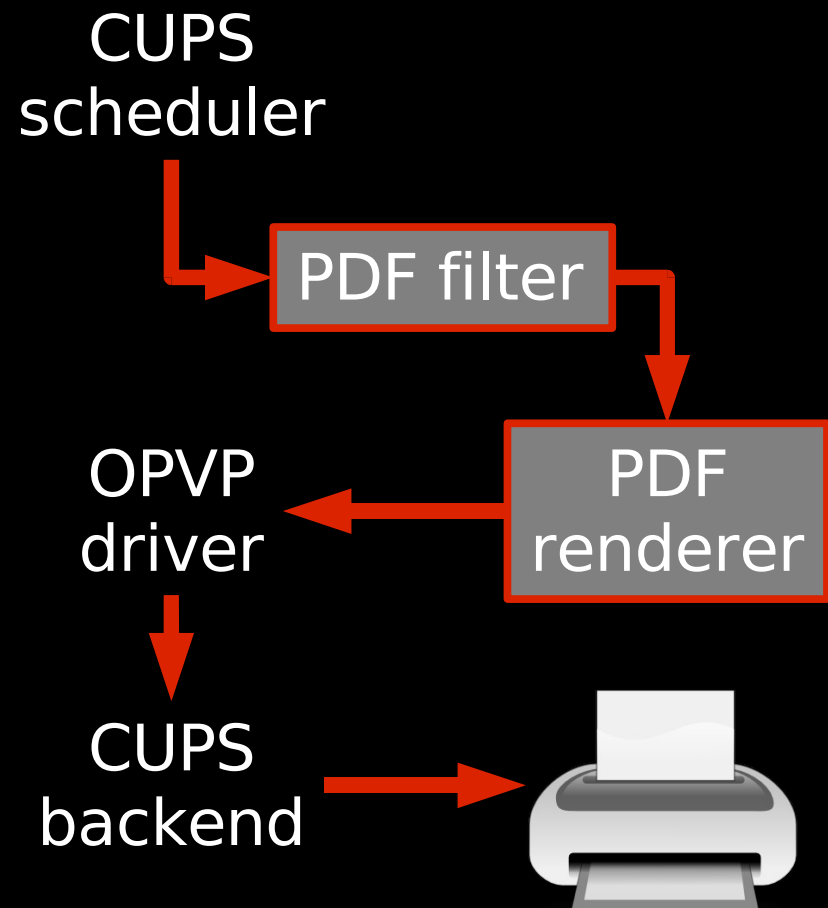
Ghostscript

pdftoopvp  
(poppler based)

# PDF Filters: Data Flow

## Requirements

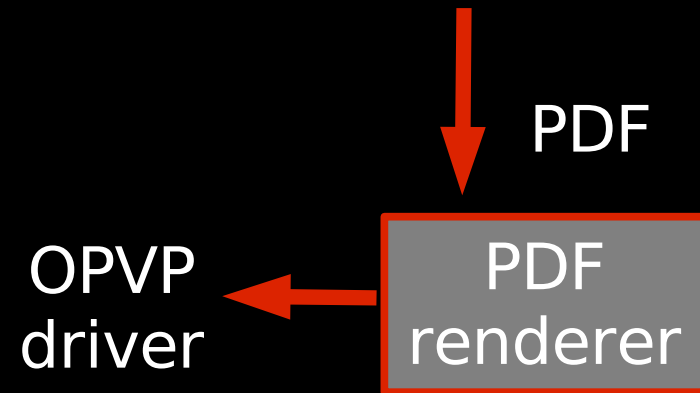
- PDF filters
  - conversion to PDF
  - n-up, scaling, etc.
- PDF renderer
  - Parse PDF
  - Call OPVP driver



# PDF Filters: Renderer

- pdftoopvp

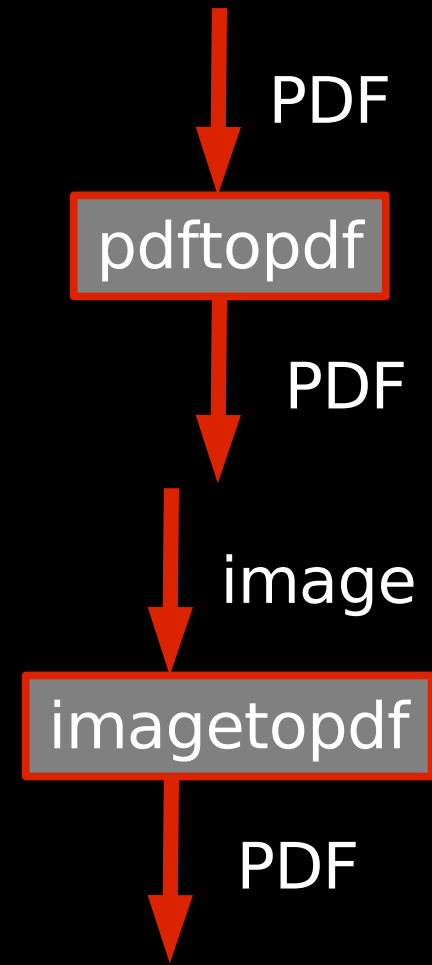
- version 1.1
- Calls OPVP driver
- poppler based



- Accommodate pdftopdf
- Accepts Job Control Info (tentative syntax)
  - ◆ NumCopies, Collate, Duplex, etc.

# PDF Filters: Other Filters

- pdftopdf
  - pstops compatible options
  - TrueType font embedding
  - poppler based
- imagetopdf
  - imagetops compatible options



# PDF Filters: Status and Plan

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- All PDF CUPS filters are available at <http://opfc.sourceforge.jp>
- Reconsider Job Control Info
  - Modify PDF filters if needed
- texttopdf (utf8topdf?)
  - Needs comments and volunteers