

# FOP

FOP is another project from the Apache Software Foundation (more info at <http://xml.apache.org/fop>), a print formatter driven by XSL formatting objects.

In Cocoon, the FOPSerializer component uses FOP to generate PDF, PCL or Postscript documents from an XSL-FO document created by the [Generators](#) and [Transformers](#) that come before it in the [Pipeline](#).

The [HTML and PDF publishing How-To](#) gives a minimal example of HTML and PDF publishing.

[FOPPDFEncryption](#) explains how to create encrypted PDFs

FOP can be very memory hungry, your mileage will vary but a brief [FOPTuningGuide](#) may help you to tune your system.