Digital Output

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PDF



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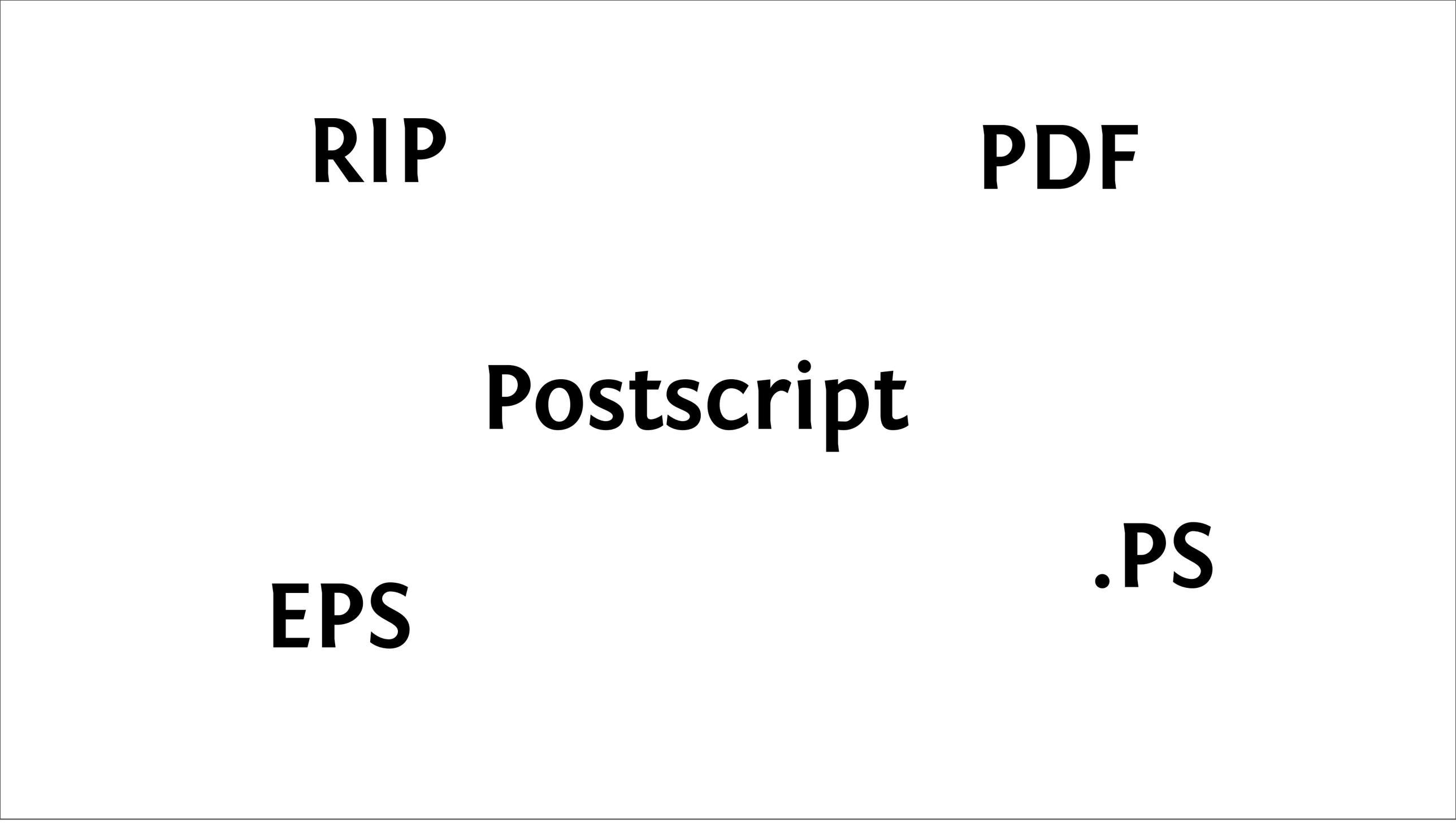
portable document format

Why PDF ?

A PDF is used for representing two-dimensional documents in a **device-independent** and **display resolution-independent fixed-layout** document format. Each PDF file encapsulates a complete description of a 2-D document that includes the text, fonts, images, and 2-D vector graphics that compose the document.

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Think of an Adobe PDF file as a reliable "digital master". With Adobe PDF, you can capture the original look and feel of a document, including all the fonts, images, graphics, and formatting of the original application file. Yet, unlike the original application file, Adobe PDF files are compact and platform-independent, and can be shared, viewed and printed by anyone with free Adobe Reader® software.



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.ps : programming language - needs rip to view or print

AGM - the Adobe Graphics Model used by indesign is also a RIP

rip : Raster Image Processor

.eps : encapsulated postscript

So why is PDF more advanced than PostScript? A PDF file is actually a PostScript file which has already been interpreted by a RIP and made into clearly defined objects. These objects are viewable on screen not in code, but in visual objects that everyone can see. Because these files are already interpreted by the RIP, they can be more reliable than an EPS or a .PS file when printed. Additionally, because EPS files and .PS files can be easily converted to PDF and viewed on screen, print service providers can benefit from seeing the file *after* interpretation but before they send it to their printing devices. This may allow them to see errors in a file before wasting paper, film, or plates. This can be a terrific timesaver for people who run service bureaus or operate printers, and the result is that files print faster, more accurately, and with fewer errors.

In order for a PDF file to be printed, however, the printer still needs to render the PDF objects to the page, and a PostScript printer is still the most reliable way to do this. Some PostScript printers understand not only the PostScript language, but also PDF files natively. And some printers, using a technology we call Extreme, actually convert *all* jobs into a PDF file prior to printing. (Agfa, Creo, Heidelberg, and Scitex have all announced print workflows based on Extreme.)

Keep it Simple

The Mac OS has built in PDF creation
File › Print › Save as PDF
FROM ANY APPLICATION !

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Web, word , finder anything

for Simple Printing you use use the built in mac technology

Application Specific

Take advantage of features in Acrobat Professional across numerous applications

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Preparing for PDF

DPI

Dots per inch

★ Simple Rule - 300 dpi at the size you wish to print*
* A1 or higher - you can start to think about a lower dpi

WARNING you cannot just increase the resolution (DPI) of a file

Within Photoshop make sure you untick resample image when changing the DPI so document size is updated.

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DPI refers to the physical size of an image when it is reproduced as a real physical entity, for example printed onto paper, or displayed on a monitor. A digitally stored image has no inherent physical dimensions, measured in inches or centimetres. Some digital file formats record a DPI value, which is to be used when printing the image.

PPI v DPI

Most people heard the term DPI. In most cases the term is used in the wrong context to express the number of pixels in a photo, the number of dots in a print or the maximum dots per inch a printer can output. A relatively new term PPI was introduced in order to resolve this wrong usage of the term DPI. In this article we will try to explain in simple words what is DPI and what is PPI and should each be used.

PPI: stands for Pixels per Inch. PPI describes the number of pixels per inch in a photo. PPI is a function of the number of pixels the camera's sensor supports (also known as megapixels) and the size of the photo. To calculate a photo's PPI simply multiply the page length by its width in inches. The result is the number of square inches on the page. Now divide the number of pixels the sensor supports by the number of square inches. The result is the number of pixels per square inch. All that is left to do is to find the square root of this number.

DPI: stands for Dots per Inch. DPI is really a physical characteristic of a printer. Every printer prints dots that when put next to each other comprise a photo. Each dot has a physical size. DPI is also known as the maximum resolution that a printer is capable of. Low-end printers have lower DPI while high-end printers have higher DPI. DPI is defined as the number of dots a printer can print per inch. For example if a printer supports 1200 DPI it means that the printer can print 1200 dots per inch (on both X or Y axis). When printing it is important to make sure that the DPI is higher or equal to the PPI. If the DPI is lower than the PPI the printer will not be able to fully display the high resolution of the photo. When printing a photo that has a lower PPI than DPI the printer will use multiple dots to represent one pixel. As opposed to PPI, DPI is not relative to the page size. DPI is a fixed number for a given printer.

Demo

Review & Print

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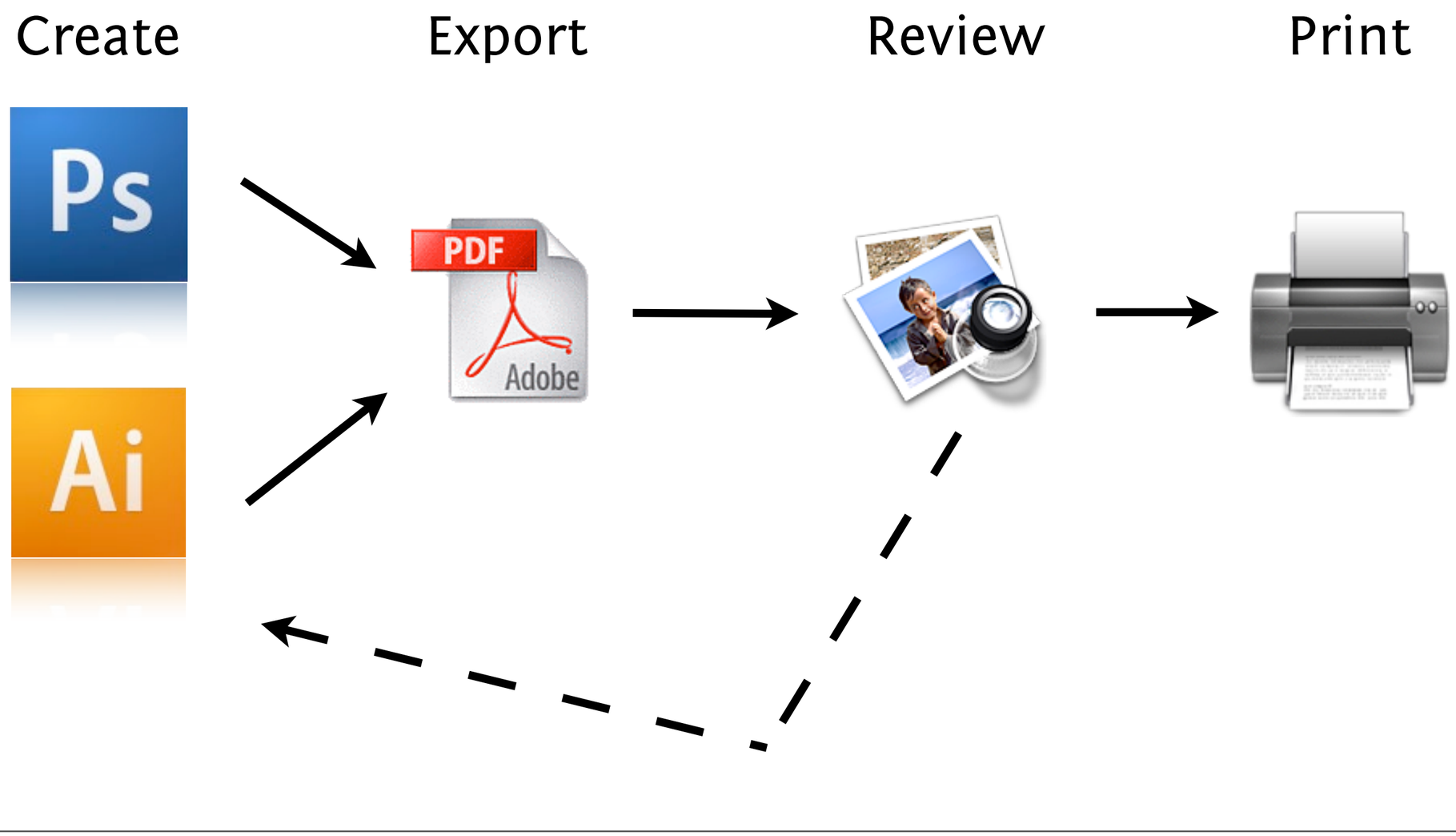
Preview



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Demo

Process



PDF Questions ?

Large Format

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Large format on campus

Snowhite

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Creative Services Centre

Mimaki Digital Print

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Demo

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Go via http://wsa.wikidot.com

page tags > printing

Blogging

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Global Distribution

Instant Publication

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tumblr

wordpress

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tumblr is much better re : rich media and the following aspect.

Wordpress.com is worth a look though

All free

Task (optional)

Create your own Tumblr blog and follow
http://winchesterschoolofart.tumblr.com

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http://winchesterschoolofart.tumblr.com/

get a tumblr and follow