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Technical bulletin

Output Files from QuarkXPress 6.5 and Mac OS X for Prinergy and Prinergy Evo

This technical bulletin describes some best practices when outputting PostScript® or PDF files from QuarkXPress™ 6.5 running on Macintosh® OS X operating systems for input into Prinergy® and Prinergy Evo. Using QuarkXPress 6.5 might be the first time you use Mac OS X in a production environment, so this technical bulletin also describes how to create good PostScript or PDF files for output in Mac OS X.

What's New in QuarkXPress 6.5?

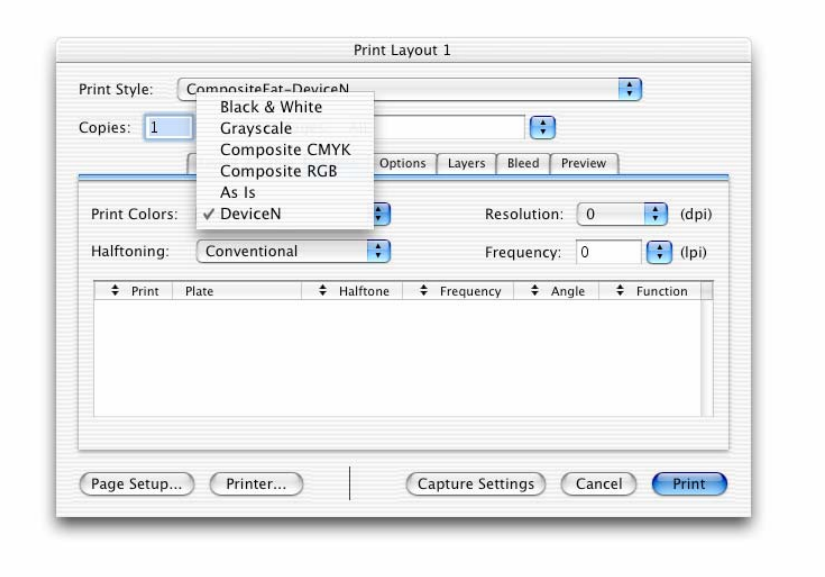
In previous versions of QuarkXPress, there were many objects that could not be reproduced in composite files without the use of third-party XTensions, such as the Creo Colorized TIFF XTension. There were other objects that could not be reproduced from QuarkXPress in composite files, for example, multi-ink objects.

QuarkXPress 6.5 supports:

- DeviceN colors, so you can create spot-colorized TIFF files without using the Creo Colorized TIFF XTension.
- The ability to output Composite RGB, Composite CMYK, and As Is colors.
- The ability to generate PDF files directly from QuarkXPress, due to its Jaws PDF engine.

What Are the New Print Settings in QuarkXPress 6.5?

- The Print dialog box in QuarkXPress 6.5 is very similar to QuarkXPress 5. Like QuarkXPress 5, QuarkXPress 6.5 includes the OPI XTension, which doesn't allow Print Style control over OPI. You may want to disable it. The other controls seem to behave as in QuarkXPress 5.
- The most significant change to outputting in QuarkXPress 6.5 is the ability to output DeviceN and As Is colors.



- Selecting **Composite CMYK** converts TIFF images to CMYK.
- Selecting **Composite RGB** converts TIFF images to RGB.
- Selecting **As Is** leaves images in the color space in which they are defined.
- Selecting **DeviceN** represents pages with DeviceN where appropriate. This option allows spot-colorized TIFF files and multiple inks. Creo recommends you select this option when printing documents that include spot colors. Images retain their original color spaces. This is the recommended setting when generating PostScript for Prinergy and Prinergy Evo.

These print colors are also available when exporting PDF files from QuarkXPress 6.5. However, due to geometry limitations when using PDF files direct from QuarkXPress 6.5, you may find that it is better to output PostScript files and refine to PDF directly in Prinergy or Prinergy Evo.

Creating PostScript Files from QuarkXPress 6.5 and Mac OS X

Mac OS X provides built-in support for both PostScript and PDF files. However, the PDF files from Mac OS X are low quality, with uncompressed images and RGB color space, and are inappropriate for prepress use.

Downloading the Refiner PPD

Creo recommends using the Prinergy Refiner PPD available from eCentral, Creo's customer support website. Configure your print drivers or software to use this PPD file to produce optimal PostScript for Prinergy or the Prinergy Evo Refiner.

To download the Prinergy Refiner PPD:

1. Go to **https://ecentral.creo.com**
2. Click **Self Support > Downloads**.
3. Select a product: **Prinergy Connect**, for example.
4. Enter the search word: **ppd**.
5. Click **Go**.
6. Select the **Prinergy Refiner PPD** file then uncompress and copy the file to the following location on your Mac hard drive: **Library\Printers\PPDs\Contents\Resources\en.lproj.**

   Note: The Prinergy Refiner PPD file comes with the Prinergy Evo Client software. See the Prinergy Evo Installation Guide for more information.

Setting up a PostScript Printer

Once you have downloaded the Prinergy Refiner PPD file, you can install the file on your Macintosh computer. To save a PostScript file, you must choose a PostScript printer in the Print dialog box. If you do not have an actual printer, you can add a virtual PostScript printer.

Note: If installing Prinergy Evo Client software, see the Prinergy Refiner PPD installation README that comes with the Prinergy Evo Client software installation image.

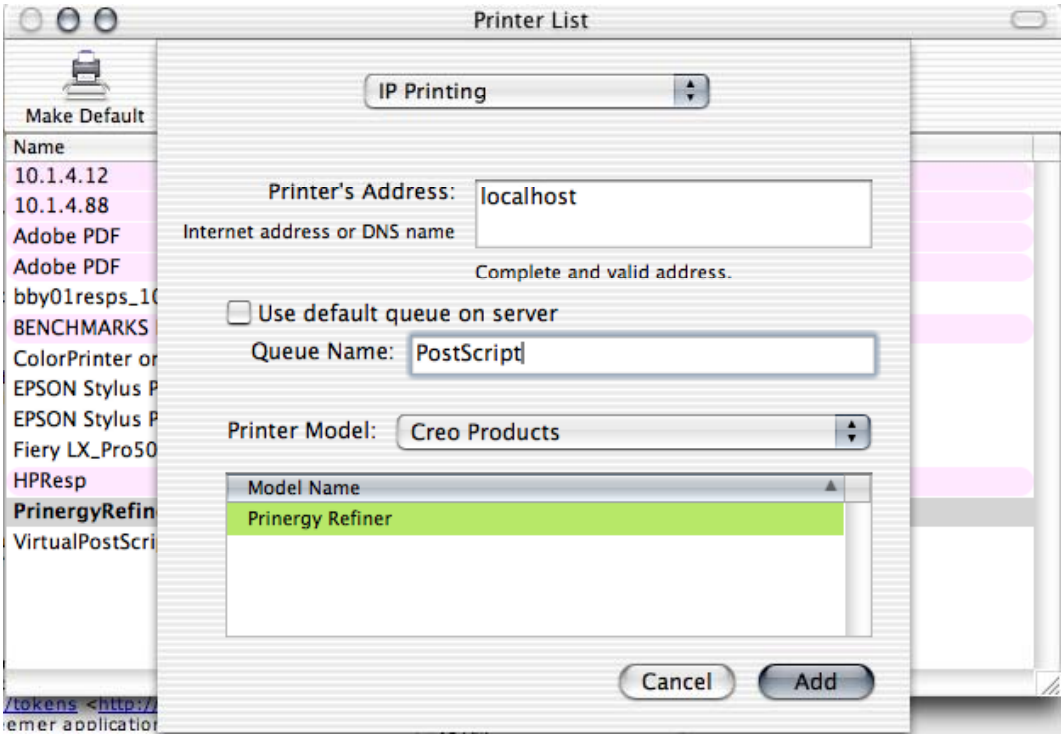
To add a PostScript printer on your Mac:

1. Start the Mac Printer Setup Utility software located at: **Applications\Utilities\Printer Setup Utility**

   The first thing you should see after launching Printer Setup Utility is a list of any printers currently installed.

   Note: The Printer Setup Utility is called Print Setup in Mac OS X 10.2.
2. Click **Add**.
3. Select **IP Printing** from the pop-up menu. In the **Printer's Address** field, type **localhost**.
4. Clear **Use Default Queue on Server**.

5. Enter a **Queue Name** that is the name of the new printer, for example, **PostScript**.
6. Select **Creo Products** from the list of available Printer Models.
7. The Prinergy Refiner PPD was loaded in the previous step. Prinergy Refiner PPD appears in the Model Name window.



The Printer List displays the new printer name.

8. Quit the **Printer Setup Utility** application.

Everything is now set up for you to create a PostScript file of your job from your original authoring software.

Setting Up a QuarkXPress Print Style

To ensure consistent PostScript and to reduce the probability of errors when configuring the QuarkXPress Print dialog box, Creo recommends that you configure a Print Style.

To set up a print style in QuarkXPress:

1. In QuarkXPress 6.5, from the main **Edit** menu click, **Print Styles**
2. In the Print Styles dialog box, set up a print style, selecting from common prepress conditions such as **Composite Fat DeviceN** or **Separated Thin**.

   Note: You must disable the OPI XTension to be able to configure OPI conditions in a Print Style.

Creating a PostScript File from QuarkXPress 6.5

To create a PostScript file, choose the printer named **PostScript on localhost** in QuarkXPress and set the output options to save a PostScript file.

To create a PostScript file:

1. In QuarkXPress 6.5, select **Print** from the **File** menu, or press **COMMAND+P**.
2. Click **Printer** to open the Mac OS X Print dialog box.
3. In the **Printer** list, select the **PostScript** printer you created.
4. In the list, select **Paper Feed**.
5. In the **All pages from** list, select **Normalize**.
6. In the list, select **Printer Features**.
7. In the **Resolution** list, select **2400 dpi.**
8. In the list, select **Output Options**.
9. Select the **Save as File check box.**
10. In the **Format** list, select **PostScript**.
11. In the **Presets** list, select **Save As** and type the name of the OS X print characteristic preset, for example, **Save to PS file**.
12. After the Output Options are set, click **Save** and browse to where you want to save the file.
13. In the QuarkXPress **Print** dialog box, select **Capture Settings** to save the OS preset for future use.
14. Click **Print** to create PostScript.
15. Submit the resulting PostScript file into Prinergy or Prinergy Evo for refining.

Note: For more information on OS X and printing, visit the Apple website at www.apple.com.

Known Issues with QuarkXPress 6.5 and Prinergy (including Evo) Systems

- If you are running a Prinergy system only, an Invalid Restore error from Prinergy Normalizer may occur when refining DeviceN color PostScript. This has been fixed in Prinergy 2.1.0.21 and later. This was also an issue for older versions of the Distiller Assistant. Workarounds included outputting as PDF files from QuarkXPress 6.5, or pre-distilling using a newer version of Distiller Assistant.
- Blends from QuarkXPress 6.5 may be subject to stepping, which is abrupt shifts in tone. Blends are represented not as a single high-quality shading object, but as multi-object groups. Check for this by viewing a QuarkXPress 6.5 PDF file in wire frame mode. This might not be an issue for small blends, high-contrast blends, or lower-LPI scenarios, but it may produce stepping effects in blends with subtle transitions over long distances. This might be fixed in a future update of QuarkXPress 6.5.
- QuarkXPress 6.5-generated PDF files do not include trim box geometry information. Trim box geometry must be entered manually in Prinergy Workshop or for both Prinergy and Prinergy Evo with the Acrobat Geometry Editor plug-in. PostScript files from QuarkXPress 6.5 that are run through Prinergy Evo or a Distiller Assistant-enabled Distiller, do not have this issue.
- Colorized TIFFs used with OPI result in lost background color.
- Placing PDF files in QuarkXPress 6.5 and outputting is somewhat unpredictable if placing prepress-quality PDF files, as overprints may get changed, resulting in lost traps.

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates and proofs; professional color and copydot scanning systems; and workflow management software. Creo is also an Original Equipment Manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers.

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