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Test Objectives, Part 4: Managing Graphics

CHAPTER

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Up until now we've focused on native InDesign objects and text. Now it's time to see how well InDesign plays with others, as we consider linked graphics.

Number	Title
4.1	Given a scenario, determine the best settings for choosing and placing an image (options include import options, Illustrator artboards, choice of file format, resolution, ICC color profiles, layers, and transparency).
4.2	Given a scenario, configure the Links panel to reveal metadata and attributes such as current image resolution.
4.3	Create a graphic frame that resizes its content automatically.
4.4	Hide or show layers in placed PSD, AI, INDD, and PDF files, and discuss how image transparency is handled.
4.5	Manage placed files by using the Links panel (including revealing

hen you think of graphics, you might think of popular and powerful applications like Photoshop and Illustrator. No doubt, some folks at Adobe would be quite pleased if you did. But InDesign supports *many* more graphics formats. Listing them all makes for quite a bowl alphabet soup. TIFF, GIF, JPEG, BMP, EPS, DCS, PICT, WMF, EMF, PCX, PNG, SCT, and more can all be placed into an InDesign layout.

You don't have to be an expert in Illustrator or

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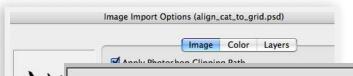


FIGURE 6.1 Assigning a color profile to an image



FIGURE 6.2 Applying an Alpha channel mask to an image

FIGURE 6.3 Applying a clipping path in Image Import Options



Objective 4.1:

Image Settings The image settings objective has two main parts. The first is to understand the major graphics file formats and their settings. The second is to know how to use image import options and other features to control the appearance of your placed graphics.

For the test, you need to know the difference between vector and bitmap (raster), as well as the appropriate resolution for quality output of bitmaps. You should also understand:

- Why copying pixels from a program such as Photoshop and pasting them into InDesign is generally a bad idea.
- How to copy and paste editable vector graphics from Illustrator into InDesign (and vice versa).
- How different color modes can affect what you can do in InDesign (for example, gray-

- RGB images may have to be converted to CMYK at print time; and so on).
- ► The basic reasons to use (or not use) various file formats, such as TIFF, PSD, PDF, and so on. Note that the online version of InDesign's Help offers a detailed breakdown on graphics file formats.

You should be familiar with all the controls in the Image Import Options dialog box.

- ➤ You can assign an ICC color profile to an image in the Import Options dialog box. (Figure 6.1) Assigning a profile doesn't change anything in the image file, only InDesign's interpretation of it.
- ➤ You can select an alpha channel or clipping path to mask an image (if the file format supports them). (Figure 6.2–Figure 6.3)
- ➤ You can also turn off a clipping path that was saved with an image. (Figure 6.4)

FIGURE 6.4 Applying no mask in Image Import Options



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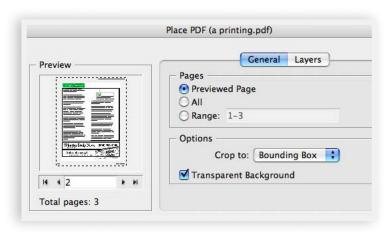


FIGURE 6.5 Placing a multi-page PDF

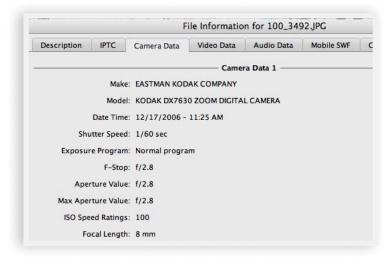


FIGURE 6.6 XMP FIle Info for a placed JPEG

▶ When you import a multipage PDF or INDD file, you can choose which pages to place, which layers to show, and how to crop the file.
(Figure 6.5) The same thing applies to Illustrator files with multiple artboards, of course.

Finally, you need to understand the difference between placing and re-placing a graphic. For example, if you choose the Replace Selected Items checkbox in the Place dialog box (or choose Relink in the Links panel), how is the new image scaled? How does the File Handling pane of the Preferences dialog box affect this?

Objective 4.2: Locate XMP metadata The XMP <u>metadata</u> objective is pretty straightforward.

Just select a file in the Links panel and choose XMP File Info from the panel's Utilities submenu menu to see the metadata for a placed image. **(Figure 6.6)** The Info panel

Familiarize yourself with the File Info dialog box, and what kinds of information it can offer. Note that much of this is also available (and editable) in Bridge. For example, you can insert an image description in Bridge and then view that text from inside InDesign. Similarly, if metadata is added by Photoshop, you can find it here.

Objective 4.3: Auto fit Another new feature in CS₅ is Auto fit. It's basically just a little checkbox that appears in the Control panel and the Frame Fitting Options dialog box to control whether placed graphics automatically resize when you resize their frames.

- ▶ When Auto fit is checked, an image resizes along with its frame.
- ▶ When Auto fit is unchecked, an image stays the same size when you resize its frame.
- ▶ When you drag to resize a frame with Auto fit enabled, the image will resize proportionally, even if you don't resize the frame proportionally. Hold the Command/Ctrl key as you drag if you don't want to resize the image proportionally.

Objective 4.4: Layers in placed images To master layers in placed images, you have to know how to hide and show layers in four Adobe file formats: PSD, AI, INDD, and some PDF files. Fortunately, regardless of the

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To control which layers are visible when placing a graphics file, select the Layers tab in the Import Options dialog box and choose which layers or layer comps are visible. When you make changes here, you create layer visibility overrides. (Figure 6.7)

- ▶ After an image has been placed, you can change layer visibility by selecting the image and going to the Object menu (or right-clicking on the image) and choosing Object Layer Options.
- ➤ You can hide or show an entire layer (even the Background layer in a layered PSD file), but not filters, masks, or styles applied to that layer.
- ▶ The Links panel has options for indicating layer visibility overrides. From the panel menu, choose Panel Options, and select Layer Overrides in Show Column and/or Show Link Info. The panel will display Yes or No, as well as the number of layers with visibility overrides. (Figure 6.8)
- ► InDesign supports the transparency in formats like PNG, PSD, and TIFF. For example, a drop shadow from Photoshop will look correct on top of InDesign content. However, the transparency blending mode is ignored—if the drop shadow was set to Multiply mode, it will appear as Normal mode in InDesign.
- ▶ When you are placing a PDF or AI, you can select

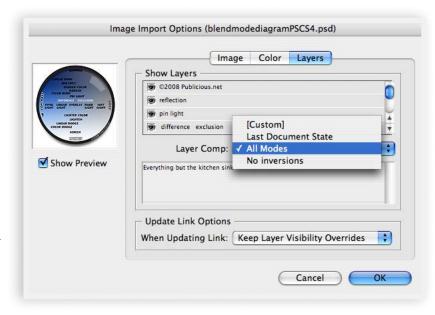


FIGURE 6.7 Layer visibility overrides in the Image Import Options dialog box

Transparent Background the page will have a white background.

Objective 4.5: Managing links There's a lot to know about managing your linked files, especially since the

FIGURE 6.8 Layer visibility overrides shown in the Links panel



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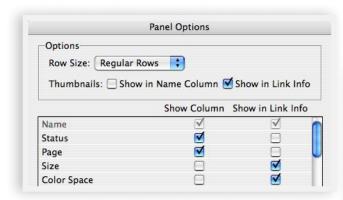


FIGURE 6.9 Just a few of the Links panel options

Adobe Flash CS4
Adobe Illustrator CS3
Adobe Photoshop CS3
Adobe Photoshop CS4 (default)

ColorSync Utility 4.4.5
Preview 3.0.9
QuickTime Player 7.5.5
XMLSpy® 3.2

Other...

FIGURE 6.11 Choices in the Edit With submenu of the Links panel

FIGURE 6.10 The Links panel with Link Info displayed



Links panel got a huge overhaul in CS4. Here we'll focus on four tasks: checking link info, editing the original file, relinking, and updating modified links.

Start by knowing the difference between linked and embedded graphics. Know how to tell from the Links panel if an image is linked or embedded.

You can customize the Link Info display to show any or all of 38 different items by choosing Panel Options in the Links panel menu. (Figure 6.9–Figure 6.10)

There are three ways to tell InDesign you want to edit an graphics file via the Links panel.

- ➤ You can right-click on a link and choose the Edit
 With from the context menu. Or you can first select
 the link, then either click on the pencil icon in the
 Links panel, or choose Edit With from the panel
 menu. (Figure 6.11)
- ▶ If you click on the pencil (or Option/Alt-doubleclick the image with the Selection tool), you cannot choose an application. The file opens in the default application for its file type (based on the current Mac OS or Windows settings).

You can <u>relink</u> one or more selected links by choosing Relink from the panel menu, or clicking on the Relink icon. (**Figure 6.12**)

 Relink to Folder allows you to choose a new folder containing files with the same names as your current

FIGURE 6.12 The Links panel menu

Relink Al Relink to

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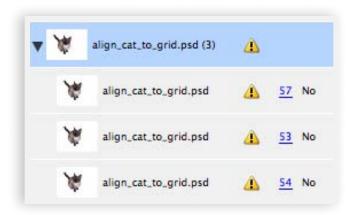


FIGURE 6.13 Modified nested links

➤ You can also specify a different file extension to swap

JPEGs for PSDs, for example.

Know the four link status icons: Embedded, Missing, Modified, and Up-To-Date.

- Know about nested links, which occur when the same graphic appears several times in the document or when a linked EPS graphic or InDesign document contains its own links.
- ➤ To update modified links, you can select one or more links in the panel and choose Update Link from the panel menu (or click on the Update Link button).
- ► For nested links of the same graphic, you only need to select the parent link to update or relink all instances of that graphic. (Figure 6.13)
- ► You can also choose Update

Understand how embedding a graphic works, and how you can unembed it, too.

Spend some time learning the features in the Utilities submenu (in the Links panel menu), such as Copy Full Path. Also learn about the Links choices in the File Handling preferences. (Figure 6.14)

Objective 4.6:
Image captions With
CS5, you can create captions that display image
metadata you specify.
These captions are a
new kind of text variable
that displays specified
metadata of an image.

Path Modified Copyright Layer Place Date Creator √ Title Author Dimensions Effective PPI Actual PPI Link Type Laver Overrides ICC Profile Size Status Color Space Page **Format** Name Country State/Province City Location Headline Description Credit

FIGURE 6.15 Some of the metadata options for a caption text variable

(Figure 6.15) Like other text variables, the content of a caption can be dynamic, so a caption text frame content may change as you move it relative to images on the spread.

FIGURE 6.14 File Handling preferences for links

Defa

Links

Check Links Before Opening Document

Find Missing Links Before Opening Document

Create Links When Placing Text and Spreadsheet Files

Press

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- es. For example, live captions automatically update when the image metadata changes. Static captions must be modified manually.
- ► Know what to expect if you move a live caption away from one image and next to another image.
- ► Since live captions are based on the text variable feature, they cannot wrap to the next line. Instead, they will become compressed horizontally. You should know how to fix this, by converting live captions to static captions (choose Object > Captions > Convert To Static Caption).
- ▶ When you choose Generate Live Caption, a new variable is generated automatically based on the current caption settings. For example, if the Description metadata type is selected in the Caption Setup dialog box, a variable called "Live Metadata Caption: Description" is created.

- ► Choose Object > Captions > Caption Settings, to specify the content and appearance of the captions.
- ➤ To create a caption, select a placed image and choose Object > Captions > Generate Live Caption or Generate Static Caption
- Know how to create static captions while placing images.

For now, that's it for graphics. But don't worry. We'll see them again in chapter 11 when it comes time to pre-flight our documents.

In the next chapter, we'll play with more eye candy as we take a look at features like swatches, gradients, and transparency effects. We'll also make sure that we can believe what we're seeing, by studying a bit of color management.

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Practice Questions



- You have placed into your document an image that a photographer sent you. You want to see the image's author, copyright status and holder, and camera data. While the image is selected on your page, how should you access that information?
 - A Click the Show Link Information button at the bottom of the Links panel
 - **B** Choose Object > Anchored Object > Options
 - Choose Utilities > XMP File Info from the Links panel menu
 - D Choose Window > Info
- When an image is selected with the Selection tool, the Info panel displays several pieces of important data describing an image. Which of the following fields, visible when you select Show Options from the Info panel menu, shows the current resolution of the selected image, after scaling?
 - A Effective ppi
 - **B** Actual ppi
 - C The field labeled "D"
 - D ICC Profile
- You have placed a layered Photoshop PSD document in your InDesign document. You want to alter which layers are shown and which are hidden. After selecting the image, what should you do?
 - A Double-click in the Layers panel
 - **B** Choose from the Object > Content submenu
 - Choose Layout > Layout Adjustment

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REVEAL ANSWERS

You have placed a low-resolution, for-position-only (FPO) image in your InDesign document. You want to replace it with its high-resolution, print-ready version. After selecting the graphic frame, what should you do?

- A Click the Edit Original button in the Links panel
- **B** Click the Relink button in the Links panel
- C Click the Update button in the Links panel
- D Choose File Info from the Info panel menu

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