

Content:

- All Articles
- Apache and Web Serving
- AppleScript
- Cocoa Programming
- Database and Sys Admin
- Designing for Aqua
- Developing for Mac OS X
- Digital Photography
- Email and Related
- Java on Mac OS X
- Mac Weblogs
- Mac OS X Conference
- Music and iTunes
- Networking and Wireless
- Product Reviews
- QuickTime and iMovie
- Terminal App and Unix
- Switch to OS X

CALL FOR PARTICIPATION

Life Science Informatics Conference

Feb. 9-12, 2004  
San Diego, CA

- O'REILLY<sup>®</sup>  
computer books
- AppleScript in a Nutshell
  - AppleWorks 6: The Missing Manual
  - Building Cocoa Applications
  - Cocoa in a Nutshell
  - Dreamweaver MX: The Missing Manual
  - iMovie 3 & iDVD: The Missing Manual
  - iPhoto 2: The Missing Manual
  - iPod: The Missing Manual
  - Learning Carbon
  - Learning Cocoa with Objective-C, 2nd Ed.
  - Learning the bash Shell, 2nd Edition
  - Learning GNU Emacs, 2nd Edition
  - Learning the vi Editor, 6th Edition
  - Learning Unix for Mac OS X, 2nd Edition
  - Macintosh Troubleshooting Pocket Guide
  - Mac OS X for Java Geeks
  - Mac OS X for Unix Geeks
  - Mac OS X Hacks
  - Mac OS X Hints
  - Mac OS X in a Nutshell
  - Mac OS X Pocket Guide, 2nd Edition
  - Mac OS X: The Missing Manual, 2nd Edition
  - Objective-C Pocket Reference
  - Office X for Macintosh: The Missing Manual
  - REALbasic: The Definitive Guide, 2nd Edition
  - Switching to the Mac: the Missing Manual
  - Using csh and tcsh

- Traveling to a tech show?
- Las Vegas Hotels
  - Boston Hotels
  - Canada Hotels
  - Bangkok Hotels
  - Hotel Discounts
  - Montreal Hotels
  - Hotels
  - Philadelphia Hotels
  - San Francisco Hotels
  - Vancouver Hotels

Screenshot Hacks for Mac OS X

by [Wei-Meng Lee](#) and [Derrick Story](#)  
02/28/2003

Capturing great screenshots in Mac OS X involves a little adventure. If you simply want to capture something on your monitor for reference later on, you can do that easily with the built-in screen capture tool. However, if you are a professional writer (or a student preparing an important report) and need great-looking screenshots, you have to spend a little more time exploring your options.

What if you want to capture moving pictures from your screen, such as a QuickTime video clip or a scene from a DVD movie, as well? With a little ingenuity, you can elevate your screen-capture prowess to grab just about anything that appears on your monitor, moving or not. Here are a few tips how.

FREE Safari Linux Bookshelf  
with your Learning Lab



- build skills
- online coach
- searchable texts
- code samples

Start now

O'REILLY<sup>®</sup>

Built-in Screenshot Capabilities: The Basics

Mac OS X comes with built-in capability for capturing screen shots. To capture the **entire screen**, you can simply press Command-Shift-3.

To capture a **region of the screen**, press Command-Shift-4, then click and drag the cursor to mark the area you want to capture. When you lift your finger from the mouse button, Mac OS X will record that real estate and place a .pdf file on your desktop.

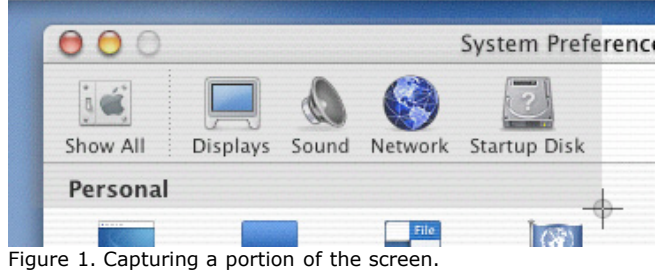


Figure 1. Capturing a portion of the screen.

While the built-in screen capture tool is good enough for most purposes, it has the following drawbacks:

- The mouse pointer will not be captured. Figure 2 shows the capture of a pull-down menu without the cursor.
- In Jaguar, images can only be saved in .pdf format. This is an inconvenience for people who need to save their images in other formats, including .jpg, .png, or .gif.

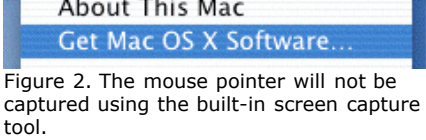


Figure 2. The mouse pointer will not be captured using the built-in screen capture tool.

Using Grab for More Functionality

Mac OS X also ships with the **Grab** utility, located in the *Applications -> Utilities* folder. To use Grab, double-click on its icon and choose the type of image you want to capture.

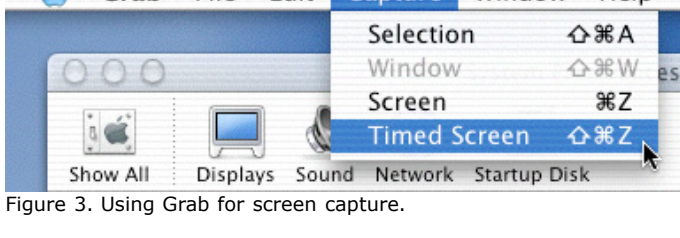


Figure 3. Using Grab for screen capture.

Grab supports three modes of screen capture:

- **Selection**: Select the region you want to capture using the mouse
- **Screen**: Capture the entire screen
- **Timed Screen**: Capture the entire screen after a specific time interval

Surprisingly, the fourth mode, Window capture, is not functional in Jaguar.

Unlike the built-in screen capture utility, Grab allows mouse pointers to be captured. You can capture actions like clicking on a menu item by using the **Timed Screen** mode, as shown in Figure 4.

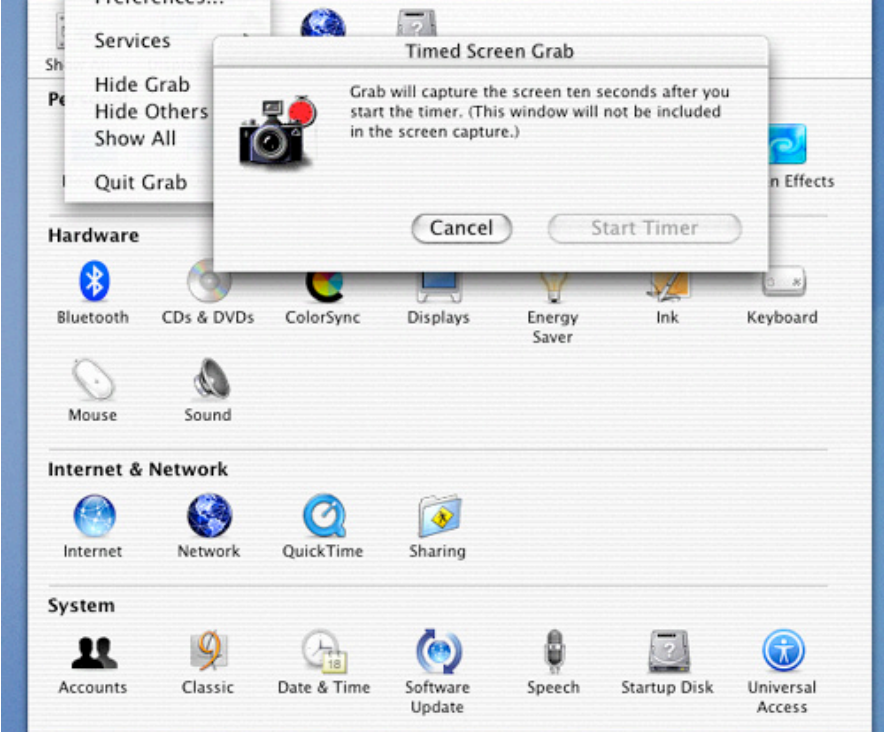


Figure 4. Using the Timed Screen mode to capture actions.

There is one problem that I noticed with Selection mode. In order to capture an active window using **Selection** mode, you need to switch to Grab first. Doing so makes the window inactive. Now, when I do a Selection grab, I would want to capture the window in the active state. To make the window active, you can right-click on the window and perform your capture. This technique will not work all the time. In particular, I have problems in capturing the **System Preferences** window using this technique.

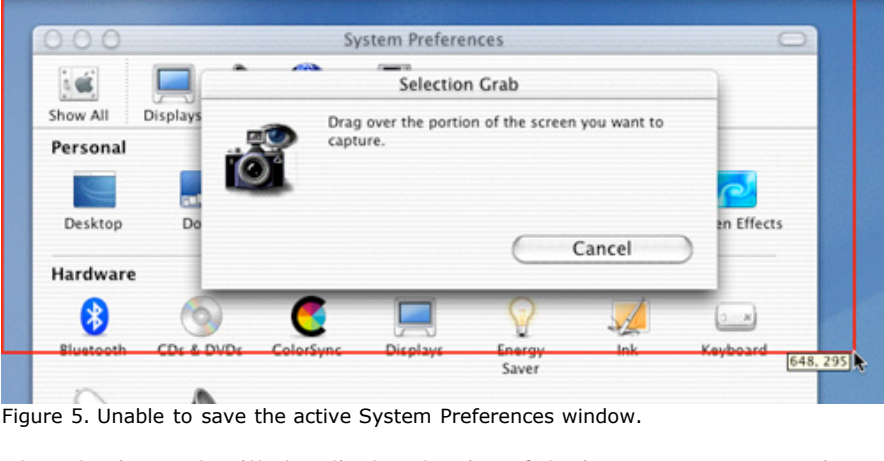



Figure 5. Unable to save the active System Preferences window.

The selection grab will also display the size of the image you are capturing at the bottom right corner of the selection region. This is useful if you need to capture images of an exact size. One gripe I have, though, is over Grab's inability to reposition the selection region.

Unlike the built-in screen capture utility in Mac OS X Jaguar, Grab saves the images in .tiff format.



Related Reading

[Mac OS X Hacks](#)  
**100 Industrial Strength Tips and Tricks**  
By [Rael Dornfest](#),  
[Kevin Hemenway](#)  
[Table of Contents](#)  
[Index](#)  
  
**Read Online--Safari**  
Search this book on Safari:  
  
  

Only This Book

☐ Code Fragments only

One cool feature in Grab is the option to include different mouse pointers (or simply hide the mouse pointer) in the screen capture. To activate this feature, click on **Grab -> Preferences**. A window containing all of the different mouse pointers will be shown, as in Figure 6.

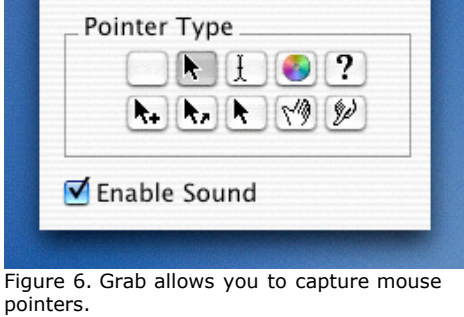


Figure 6. Grab allows you to capture mouse pointers.

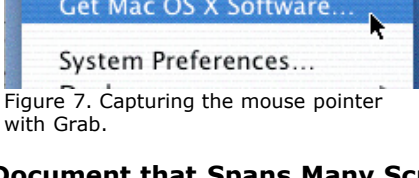


Figure 7. Capturing the mouse pointer with Grab.

Saving a Large Document that Spans Many Screens

What if you want to save a big document, such as a long HTML page, that spans many screens on your monitor? An easy method, that's built right into Mac OS X, is to convert it the page to a .pdf file.

Go to the File menu and then choose Print. At the bottom of the Print dialogue box, you will see a button that reads Preview. Click it and it will process your document and open the Preview application that's included with Mac OS X.

You'll notice that when your document is displayed in the Preview application (or sometimes in Adobe Acrobat), it already looks like a .pdf file. Now all you have to do is choose File, then Save As PDF, and Mac OS X will convert your entire document into a real live multi-page .pdf document.

This is much easier than using Grab to save multiple screens, and then have to keep them in the proper order.

Sponsored by:

Gain new customers

Receive training and certification

Get free and discounted software

Join the Apple Consultants Network  
(fee applies)

