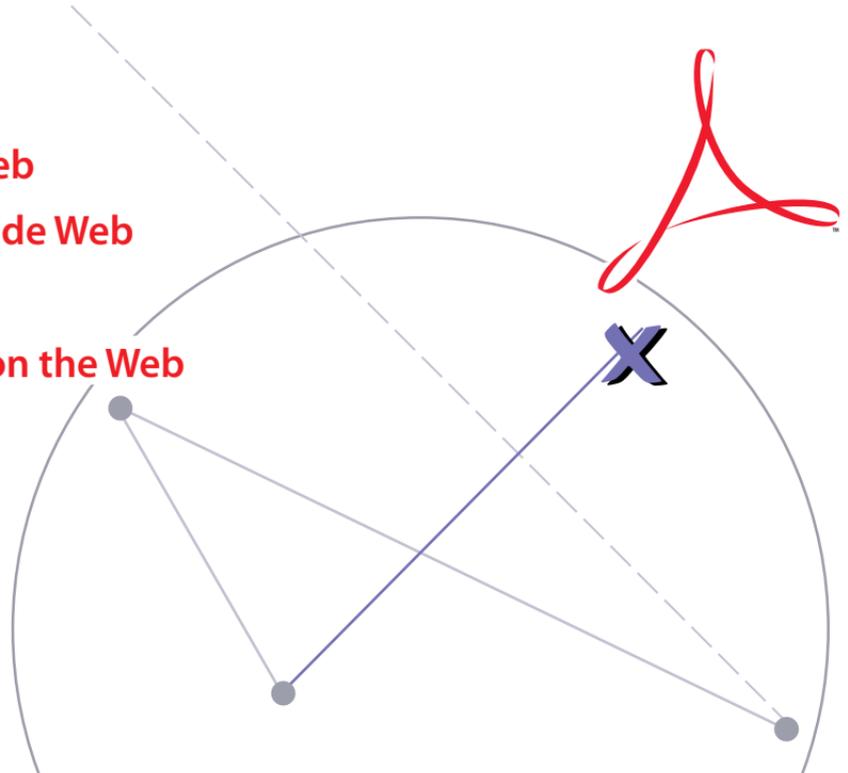


# Adobe™ Acrobat™ Publishing on the World Wide Web

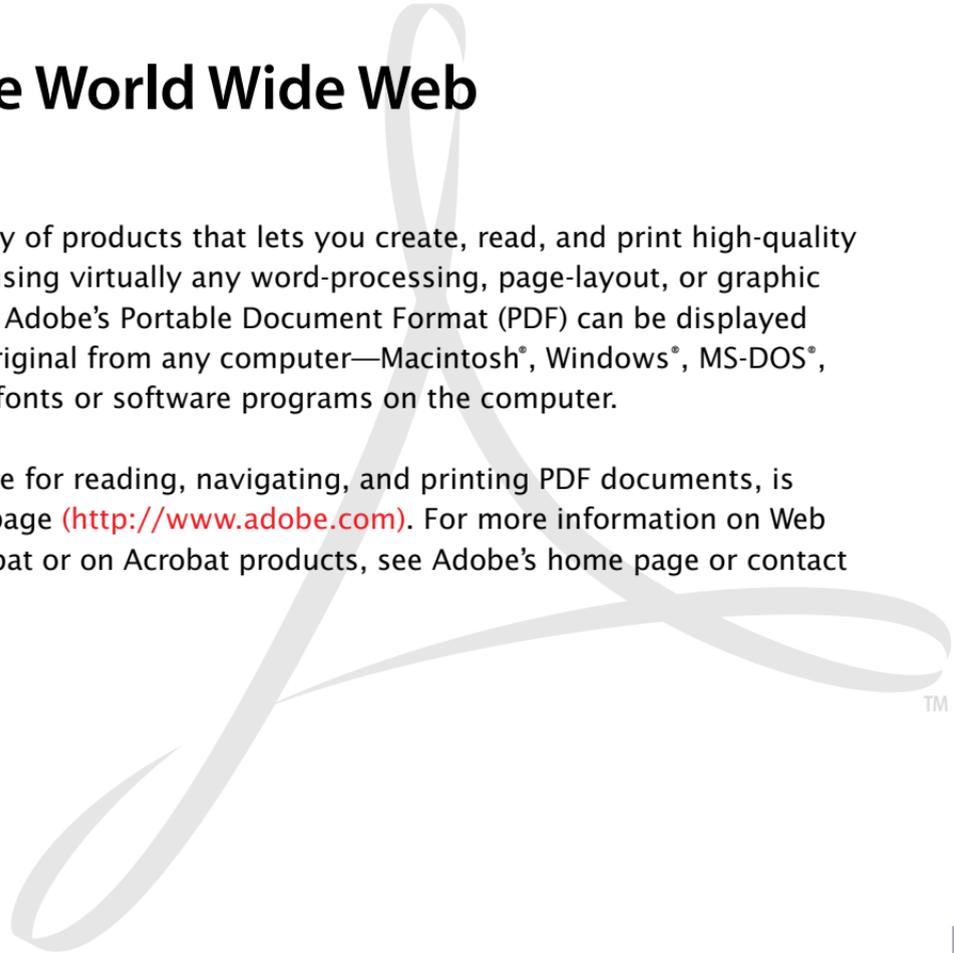
- Acrobat on the World Wide Web
- The Internet and the World Wide Web
- HTML and PDF
- Reading and Publishing PDF on the Web
- Creating Web Links from PDF
- Configuring Your Browser
- Configuring Your Server



# Acrobat™ on the World Wide Web

**A**dobe Acrobat is a family of products that lets you create, read, and print high-quality electronic documents using virtually any word-processing, page-layout, or graphic arts program. Documents in Adobe's Portable Document Format (PDF) can be displayed and printed exactly as the original from any computer—Macintosh®, Windows®, MS-DOS®, or UNIX®—regardless of the fonts or software programs on the computer.

Free Acrobat Reader software for reading, navigating, and printing PDF documents, is available on Adobe's home page (<http://www.adobe.com>). For more information on Web publishing with Adobe Acrobat or on Acrobat products, see Adobe's home page or contact Adobe at 1-800-521-1976.



# The Internet

**T**he Internet is an ever-expanding network of cabling, computer programs, and communications standards that enables computers around the world to share information. The Internet was founded by the Department of Defense in the 1960s for research and communications. In 1980 the DOD moved its communications system to a proprietary network and donated its Internet equipment to the National Science Foundation. Today, the Internet has no single owner: the cables and equipment used to transfer information are owned and leased by network providers, such as AT&T® and MCI®, and new cables and gateways are continuously added by businesses and institutions.

# The World Wide Web

**R**ecently, a new way of communicating over the Internet has created a boom in Internet publishing and popularity: the World Wide Web. Responsible for most of the new growth on the Internet today, the World Wide Web is a network of computer publishing stations, or *servers*, that store and make available information in a format that can be read by easy-to-use viewing programs, called Web browsers. Today, over a million computer users throughout the world use Web browsers to read, search, and copy information and programs from Web servers.



# HTML

**W**eb browsers display documents that have been coded using the document structuring language Hypertext Markup Language (HTML). To create an HTML document, the author tags each piece of text using a word-processor or an HTML editor to indicate whether the text is a head, body text, caption, and so on. The Web browser is then able to format the text interactively—that is, using whatever fonts and window size the reader has chosen for the Web browser.

# PDF

**I**n addition to HTML, many Web publishers are using an alternative format that gives them control over the design of their documents: Adobe's Portable Document Format (PDF). Instead of defining the elements of a document structurally so that they can be formatted using whatever fonts and page sizes the browser is using, PDF exactly describes the original document pages, so that an Acrobat viewer can replicate the document exactly as the author produced it—regardless of the fonts or software installed on the viewing system.

Another advantage of PDF for many publishers is that PDF documents can be created using any word-processing, page-layout, or graphics application. To create a PDF document, the publisher simply opens the document and “prints” the entire contents to a single file using the software program's Print command.



# Reading PDF on the Web

**T**o read PDF documents on the Web, you must have a Web browser, such as Spyglass Mosaic™ or Netscape Navigator™; you must have an Internet connection, either through your business or institution or over a modem through an Internet service provider; and you must have an Acrobat viewer, either Acrobat Reader or Acrobat Exchange. Acrobat Reader is available for free on Adobe's home page (<http://www.adobe.com>).

Once you have installed the software you need, you must set up your Web browser to recognize PDF documents and locate your Acrobat viewer. See [Configuring Your Browser to Recognize PDF Documents](#) for instructions.

# Publishing PDF on the Web

**T**o publish (that is, make available) PDF documents on the Web, you must have a Web server—usually a high-speed computer with a direct Internet connection—or you must lease space on a Web server from a Web service provider. You can create links from HTML documents to PDF documents, and you can use Acrobat Exchange and [the Weblink plug-in](#) to create links from PDF documents to Web documents. If you run a Web server and you want to publish PDF files on the Web, you will probably need to reconfigure the server in some way. See [Configuring Your Server to Publish PDF Documents](#) for instructions.



# Configuring Your Web Browser to Recognize PDF Documents

**T**o open PDF documents over the Web, your Web browser must know how to recognize PDF files and how to locate the right “helper application”—in this case, the Acrobat Reader or Acrobat Exchange program. To set up your browser to recognize PDF files, you map the PDF file type to your Acrobat viewer and to the .PDF filename extension. Once you have set up your browser, clicking a link to a PDF file downloads the file, starts your Acrobat viewer, and opens the PDF document.

This section contains instructions for setting up the following Web browsers to read PDF. If your browser is not included in these instructions, see your browser’s documentation for information on setting up helper programs.

- **Mosaic for Macintosh**
- **Mosaic for Windows**
- **X Mosaic**
- **MacWeb**
- **WinWeb**
- **Netscape™ for Macintosh**
- **Netscape for Windows**
- **Quarterdeck Mosaic**
- **AIR Mosaic**
- **Cello**

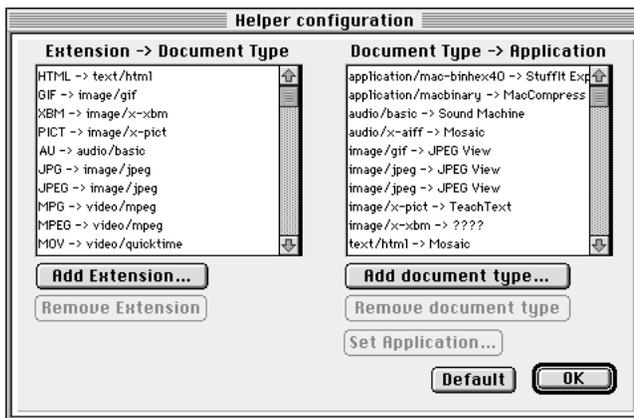


## Setting Up Mosaic for Macintosh to Recognize PDF files

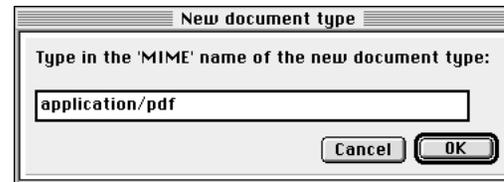
These instructions have been tested using Mosaic for Macintosh version 2.0.0A6. See the Macintosh Mosaic documentation for more information.

- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Start Mosaic, choose Options Preferences, and click the Apps icon.
- 3 Click Helper Applications.

The Helper Configuration dialog box displays the currently recognized file-extension-to-file-type mapping in the left scroll list and file-type-to-application mapping in the right scroll list.

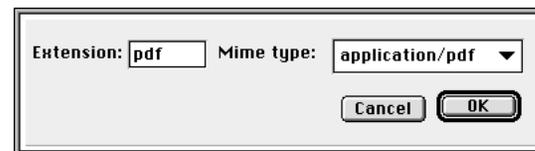


- 4 Click Add Document Type beneath the right scroll list.
- 5 In the New Document Type dialog box, type **application/pdf**, and then click OK.



The application/pdf file type is added to the right scroll list in the Helper Configuration dialog box.

- 6 Select the application/pdf file type from the scroll list, and then click the Set Application button beneath the list.
- 7 Locate and select Acrobat Exchange 2.0 or Acrobat Reader 2.0.
- 8 In the Pick a file Type dialog box, locate and select the PDF icon.9 Make sure that the Launch Automatically option is selected, and click OK.
- 10 In the Helper Configuration dialog box, click the Add Extension button below the left scroll list.
- 11 Type **pdf** in the Extension text box, and choose application/pdf from the Mime Type pop-up menu.



- 12 Quit and restart Mosaic.



## Setting Up Mosaic for Windows to Recognize PDF files

These instructions have been tested using Win Mosaic 2.0A7. See the Win Mosaic documentation for more information.

- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Open your mosaic.ini file using any text editor.
- 3 In the [Viewers] section, add the following lines, using the appropriate pathname and filename for your Acrobat viewer (acroread or acroexch):  
**TYPE# : "application/pdf"**  
**application/pdf="c:\acroread\acroread.exe %ls"**
- 4 In the [Suffixes] section, add the following line:  
**application/pdf=.pdf**
- 5 Save the mosaic.ini file.
- 6 Restart Mosaic.

## Setting Up X Mosaic to Recognize PDF files

These instructions have been tested using Mosaic 2.0. See the X Mosaic documentation for more information.

- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Open your .mailcap file and add one of the following lines to the file, depending on whether you have Acrobat Reader or Acrobat Exchange:  
**application/pdf; acroread %s**



## Setting Up MacWeb to Recognize PDF files

These instructions have been tested using MacWeb 1.0ALPHA2.2. See the MacWeb documentation for more information.

- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Start MacWeb, choose Edit > Helpers, and click the New button.
- 3 Type **application/pdf** in the MIME Type text box.
- 4 Deselect the Don't Launch button, and click Select Application.
- 5 Locate and select Acrobat Exchange 2.0 or Acrobat Reader 2.0, and click Open.
- 6 In the Choose a file Type dialog box, locate and select PDF, and then click OK.
- 7 Choose Edit > Suffixes, and click New.
- 8 Type **pdf** in the Suffix text box, and choose application/pdf from the Mime Type pop-up menu.
- 9 Click OK; then click OK again in the Suffixes dialog box.
- 10 Quit and restart MacWeb.

## Setting Up WinWeb to Recognize PDF files

These instructions have been tested using WinWeb1.0 Alpha 2.1. See the WinWeb documentation for more information.

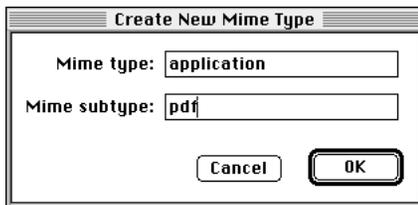
- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Open your winweb.ini file using any text editor.
- 3 In the [Launch] section, add the following lines, using the appropriate pathname and filename for your Acrobat viewer (acroread or acroexch):  
**ENTRY# =application/pdf,winvoke wingo.inv c:\acroread\acroread.exe %ls"**
- 4 In the [Extensions] section, add the following line:  
**ENTRY# =.pdf,application/pdf,binary**
- 5 Save the winweb.ini file.
- 6 Restart WinWeb.



## Setting Up Netscape for Macintosh to Recognize PDF files

These instructions have been tested using Netscape 1.0. See the Netscape documentation for more information.

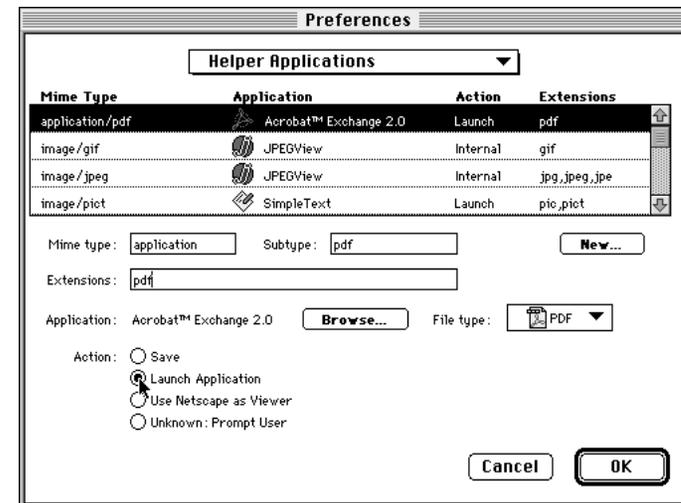
- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Start Netscape, and choose Options > Preferences.
- 3 Choose Helper Applications from the pop-up menu at the top of the Preferences dialog box, and click New.
- 4 Type **application** in the Mime Type text box, and type **pdf** in the Mime Subtype text box; then click OK.



- 5 In the Preferences dialog box, click the Browse button.
- 6 Locate and select Acrobat Exchange 2.0 or Acrobat Reader 2.0, and click Open.

7 Type **pdf** in the Extensions text box, and choose PDF from the file Type pop-up menu.

8 Click the Launch Application option; then click OK.



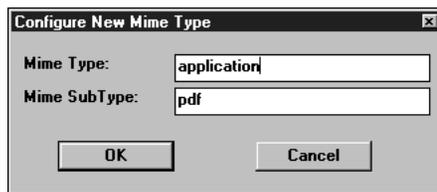
- 9 Choose Options > Save Options.
- 10 Quit and restart Netscape.



## Setting Up Netscape for Windows to Recognize PDF files

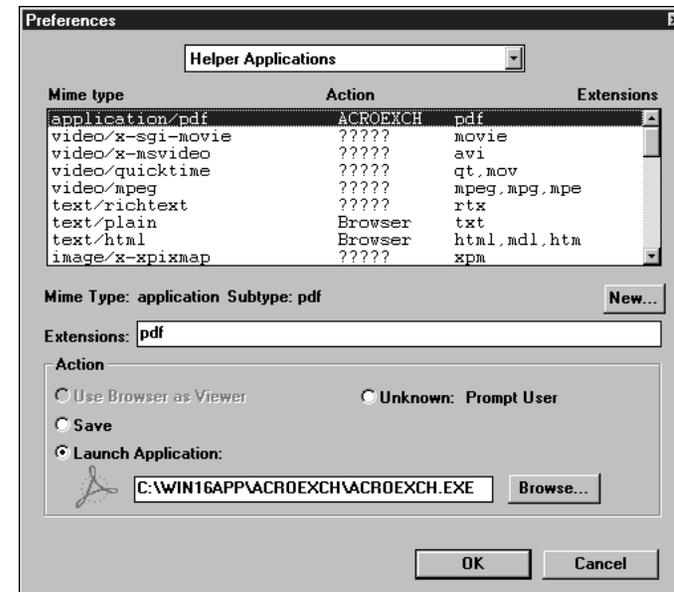
These instructions have been tested using Netscape 1.0. See the Netscape documentation for more information.

- 1 Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2 Start Netscape, and choose Options > Preferences.
- 3 Choose Helper Applications from the pop-up menu at the top of the Preferences dialog box, and click New.
- 4 Type **application** in the Mime Type text box, and type **pdf** in the Mime Subtype text box; then click OK.



- 5 In the Preferences dialog box, click the Browse button.
- 6 Locate and select Acrobat Exchange 2.0 or Acrobat Reader 2.0, and click OK.

- 7 Type **pdf** in the Extensions text box.
- 8 Click the Launch Application option; then click OK.



- 9 Choose Options > Save Options.
- 10 Quit and restart Netscape.



## Setting Up Quarterdeck Mosaic to Recognize PDF files

These instructions have been tested using the pre-release version of Quarterdeck Mosaic (the free beta version). See the Quarterdeck Web site (<http://www.qdeck.com>) for more information.

- 1** Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2** Start Quarterdeck Mosaic, and choose Tools > Preferences.
- 3** At the top of the Preferences dialog box, click the Data Engine tab; then click the New button.
- 4** Type **application/pdf** in the Mime Type/SubType text box.
- 5** Type **pdf** in the filename Extensions text box.
- 6** Type **Acrobat PDF file** in the Comment text box.
- 7** Click the External Viewer Application option, then click the Browse button.
- 8** Locate and select Acrobat Reader 2.0 or Acrobat Exchange 2.0, then click OK.
- 9** Click OK in the Create New Mime Type dialog box; then click OK at the bottom of the Preferences [Data Engine] dialog box.

## Setting Up AIR Mosaic to Recognize PDF files

These instructions have been tested using AIR Mosaic Express 1.1 (the free demo version). See the SPRY AIR Mosaic documentation for more information.

- 1** Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2** Start AIR Mosaic, and choose Options > Configuration.
- 3** In the lower left corner of the dialog box, click Viewers.
- 4** In the External Viewers Configuration dialog box, click the Add New Type button.
- 5** In the New Document Type dialog box, type **application/pdf**, and click OK.
- 6** Type **.pdf** in the Extensions text box; then click Browse.
- 7** Locate and select Acrobat Exchange 2.0 or Acrobat Reader 2.0, and click OK.
- 8** Click the Close button at the bottom of the External Viewers Configuration dialog box, and then click OK in the Configuration dialog box.



## Setting Up Cello to Recognize PDF files

These instructions have been tested using Cello 1.01 a. See the Cello documentation for more information.

- 1** Make sure that Acrobat Reader or Acrobat Exchange is installed on your system. (See [Reading PDF files on the Web](#) for more information.)
- 2** Open your cello.ini file using any text editor.
- 3** In the [Extensions] section, add the following line using the appropriate pathname and filename for your Acrobat viewer (acroread or acroexch):  
**pdf =c: \acroread\acroread.exe ^\.pdf**
- 4** In the [Cello] section, set the DLDDir variable to the directory where you want to store your downloaded PDF files.
- 5** Save the cello.ini file.
- 6** Restart Cello.

# Configuring Your Server to Publish PDF Documents

To publish PDF documents on a Web server, you must configure the server to recognize the PDF file type, the .pdf filename extension, and (in some cases) PDF's binary data stream. Following are instructions for configuring the NCSA HTTPD, MacHTTP, and CERN HTTPD server types. If you have a different type of server, use these instructions as guidelines.

By convention, links from HTML documents to PDF documents are indicated by a PDF document icon. Three sizes of PDF icons in Graphic Interchange Format (GIF) can be downloaded from Adobe's Web site (see <http://www.adobe.com>).



## Configuring an NCSA HTTPD server to publish PDF documents

These instructions have been tested using NCSA HTTPD version 1.3.

**1** Make sure that the following line is in the ServerRoot/conf/mime.types file:

```
application/pdf pdf
```

**2** To use the PDF icons in server-generated directory listings, download the medium-sized PDF icon file, PDFmid.gif, from the online version of this document[location], and place it in the ServerRoot/icons directory. Add the following entry:

```
AddIcon /icons/PDFmid.gif.pdf .PDF
```

If you want your directory listings to include a description with each PDF icon, add the following entry to your ServerRoot/conf/srm.conf file:

```
AddDescription "PDF Document" .pdf  
AddDescription "PDF Document" .PDF
```



## Configuring a MacHTTP server to publish PDF documents

These instructions have been tested using MacHTTP version 1.3.

Add the following entry to your MacHTTP.config file:

```
BINARY .PDF * CARO application/pdf
```

## Configuring a CERN HTTPD server to publish PDF documents

These instructions have been tested using CERN HTTP version 3.0.

**1** Add the following entry to your configuration file in server\_root/config:

```
AddType .pdf application/pdf 8bit 1.0
```

**2** To use the PDF icons in server-generated directory listings, download the medium-sized PDF icon file, PDFmid.gif, from the online version of this document[location], and place it in the server\_root/icons directory. Add the following entry to your configuration file in server\_root/config:

```
AddIcon /icons/PDFmid.gif PDF application/pdf
```



# Creating Web Links from PDF

The Acrobat Weblink plug-in enables Acrobat Exchange users to create links from PDF documents to documents on Web servers anywhere on the Internet. If you are an Acrobat Reader user, the Weblink plug-in enables you to follow links from PDF documents to documents on the Web.

**Important:** *The Weblink plug-in currently supports linking through the Netscape Navigator 1.1 or Spyglass Mosaic 2.0 browser. For instructions on writing drivers for other browsers, see <http://www.adobe.com/PDFs/WWWLINK.PDF>.*

## About URLs

Each document (and any other resource) on the Web is identified by a unique Uniform Resource Locator (URL) address. The Weblink plug-in enables you to embed a URL in your PDF file, in much the same way as HTML publishers embed URLs in their documents. Clicking a URL link in a PDF document starts your Web browser and opens the document identified by the URL.

## Using the Weblink plug-in

To use the Weblink plug-in to follow links, you must have set up your browser (either Netscape 1.1 or Spyglass Mosaic 2.0) to recognize Acrobat Exchange or Acrobat Reader. (See [Reading PDF on the Web](#) for more information.) To use the Weblink plug-in to create links, you must have Acrobat Exchange.

### To install the Weblink plug-in:

- 1 Copy the Weblink plug-in to your Acrobat viewer's Plug-in folder.
- 2 Restart your Acrobat viewer. The program will prompt you to select a Web browser.
- 3 Use the standard Open dialog box to locate your Web browser.

The Weblink plug-in adds an icon to your Acrobat viewer's tool bar. Click the icon to activate your Web browser.

### To activate a Web link from Acrobat Reader or Acrobat Exchange:

- 1 Move the pointer over the link. The finger pointer displays a W when moved over a Web link, and the URL address for the link is displayed at the bottom of the Window.



- 2 Click to activate the link.

Your browser is activated and the Web document designated by the URL is downloaded and opened.

### To create a Web link using Acrobat Exchange:



- 1 Click the link tool and drag to create the link rectangle.
- 2 Choose the link's display attributes in the Create Link dialog box.
- 3 Select WorldWideWeb Link as the Action Type.
- 4 Click Edit URL, and enter the URL address.
- 5 Click OK; then click Set Link.
- 6 Test the link by clicking it. If the link does not work, double-click the link and make sure that you have correctly typed the URL address.





## Setting Weblink plug-in options

You can use Weblink plug-in preferences to hide the Weblink icon in the tool bar, to turn on and off Web link status indicators, and to determine which browser is launched by a Web link.

### To change preferences:

**1** Choose Edit > Preferences > WWW Link.

**2** Choose from the following options:

- Choose an option from the Link Information pop-up menu to determine whether a URL address is displayed at the bottom of the window when the pointer is over a Web link.
- Use the Show Browser Tool Button option to show or hide the browser icon in the Acrobat Exchange tool bar.
- Select Show Progress Bar (Windows only) to display a progress bar showing how much of a document has been downloaded after activating a Web link.
- To select a different browser for the Weblink plug-in, click Browse (Windows) or Select (Macintosh), and choose the new browser from the Open dialog box.

Note that Standard is the connection type for both currently supported browsers, Netscape 1.1 and Spyglass Mosaic 2.0. For instructions on writing drivers for other browsers, see <http://www.adobe.com/PDFs/WWWLINK.PDF>.

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Adobe Acrobat on the World Wide Web

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