

# Adobe Acrobat 7.0




## PDF Open Parameters

July 11, 2005



Adobe Solutions Network — <http://partners.adobe.com>



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# Preface

## Description

This document describes PDF Open parameters for Acrobat 7.0, that allow you to open a PDF file using a URL or command that specifies both the file to be opened plus actions to be performed once the file is opened.

## Resources

The following resources provide further information about how to use the PDF Open parameters described in this document.

- *Acrobat and PDF Library API Reference*. Provides a detailed description of the Acrobat and PDF Library APIs.
- *Acrobat Online Collaboration: Setup and Administration*. Explains how to configure a collaboration store and networking issues related to Acrobat.
- *PDF Reference, fifth edition, version 1.6* describes PDF version 1.6 in detail, including PDF object types, file format, and document structure.

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## Conventions Used in This Book

The Acrobat documentation uses text styles according to the following conventions.

Font	Used for	Examples
monospaced	Paths and filenames	<code>C:\templates\mytmpl.fm</code>
	Code examples set off from plain text	These are variable declarations: <code>AVMenu commandMenu,helpMenu;</code>
monospaced bold	Code items within plain text	The <b>GetExtensionID</b> method ...
	Parameter names and literal values in reference documents	The enumeration terminates if <b>proc</b> returns <b>false</b> .
monospaced italic	Pseudocode	<code>ACCB1 void ACCB2 ExeProc(void) { do something }</code>
	Placeholders in code examples	<code>AFSimple_Calculate(cFunction, cFields)</code>

Font	Used for	Examples
blue	Live links to Web pages	The Acrobat Solutions Network URL is: <a href="http://partners.adobe.com/asn/">http://partners.adobe.com/asn/</a>
	Live links to sections within this document	See <a href="#">Using the SDK</a> .
	Live links to code items within this document	Test whether an <a href="#">ASAtom</a> exists.
bold	PostScript language and PDF operators, keywords, dictionary key names	The <b>setpagedevice</b> operator
	User interface names	The <b>File</b> menu
italic	Document titles that are not live links	<i>Acrobat and PDF Library API Overview</i>
	New terms	<i>User space</i> specifies coordinates for...
	PostScript variables	<i>filename</i> <b>deletefile</b>

# Open Parameters for PDF

Adobe defines parameters that allow you to open a PDF document with a command or URL that specifies exactly what to display (a named destination or specific page), and how to display it (using such characteristics as a specific view, scrollbars, bookmarks, annotations, or highlighting).

The PDF Open parameters for URLs, described in the table below, are supported through the Netscape and Internet Explorer browsers, and can also be used when opening PDF documents programmatically:

- Many of these parameters can be passed to the following core API functions (see the *Acrobat and PDF Library API Reference* for details):
  - AVDocOpenFromFileWithParamString
  - AVDocOpenFromASFileWithParamString
  - AVDocOpenFromPDDocWithParamString
- When opening a PDF document from a command shell, you can pass the parameters to the open command using the **/A** switch using the following syntax:  
`<path to Acrobat> /A "<open parameter>=OpenActions" "<path to PDF file>"`

For example:

```
Acrobat.exe /A "zoom=1000=OpenActions" "C:\example.pdf"
```

- When opening a PDF document with an Apple Event on a Macintosh operating system, you can optionally pass the PDF Open parameters.

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## PDF Open Parameters

The following table lists and describes the available PDF open parameters. Italics indicate user-specified variables.

Syntax	Description
<b>nameddest=</b> <i>name</i>	Specifies a named destination in the PDF.
<b>page=</b> <i>pagenum</i>	Specifies a numbered page in the document, using an integer value. The document's first page has a <i>pagenum</i> value of 1.
<b>comment=</b> <i>commentID</i>	Specifies a comment on a given page in the PDF. Use the <b>page</b> command before this command; for example: #page=1&comment=452fde0e-fd22-457c-84aa-2cf5bed5a349

Syntax	Description
<code>collab=<i>setting</i></code>	<p>Sets the collaboration store to be used to supply and store comments for the document. This <i>overrides</i> the default comment server for the review or the default preference. <i>setting</i> is of the form <i>store_type@location</i>, where valid values for <i>store_type</i> are:</p> <ul style="list-style-type: none"> <li>● <b>DAVFDF</b> (webDAV)</li> <li>● <b>FSFDF</b> (Network store)</li> <li>● <b>DB</b> (ADBC)</li> </ul> <p>For example:  <code>#collab=DAVFDF@http://review_server/Collab/user1</code>  For more information, see <i>Acrobat Online Collaboration: Administration and Setup</i>.</p>
<code>zoom=<i>scale</i></code> <code>zoom=<i>scale, left, top</i></code>	<p>Sets the zoom and scroll factors, using float or integer values.</p> <p>For example, a <i>scale</i> value of 100 indicates a zoom value of 100%.</p> <p>Scroll values <i>left</i> and <i>top</i> are in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.</p>
<code>view=Fit</code> <code>view=FitH</code> <code>view=FitH, top</code> <code>view=FitV</code> <code>view=FitV, left</code> <code>view=FitB</code> <code>view=FitBH</code> <code>view=FitBH, top</code> <code>view=FitBV</code> <code>view=FitBV, left</code>	<p>Set the view of the displayed page, using the keyword values defined in the PDF language specification. See the <i>PDF Reference</i>.</p> <p>Scroll values <i>left</i> and <i>top</i> are floats or integers in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.</p> <p>Use the <b>page</b> command before this command.</p> <p><b>NOTE:</b> Not supported on the command line.</p>
<code>viewrect=<i>left, top, wd, ht</i></code>	<p>Sets the view rectangle using float or integer values in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.</p> <p>Use the <b>page</b> command before this command.</p> <p><b>NOTE:</b> Not supported on the command line.</p>
<code>pagemode=bookmarks</code> <code>pagemode=thumbs</code> <code>pagemode=none</code> (default)	<p>Displays bookmarks or thumbnails.</p>
<code>scrollbar=1   0</code>	<p>Turns scrollbars on or off.</p>

Syntax	Description
<b>search=wordList</b>	Opens the Search UI and performs a search for the specified word list in the document. Matching words are highlighted in the document. The words must be enclosed in quotes and separated by spaces; for example: #search="word1 word2"
<b>toolbar=1   0</b>	Turns the toolbar on or off.
<b>statusbar=1   0</b>	Turns the status bar on or off.
<b>messages=1   0</b>	Turns the document message bar on or off.
<b>navpanes=1   0</b>	Turns the navigation panes and tabs on or off.
<b>highlight=lt,rt,top,btm</b>	Highlights a specified rectangle on the displayed page. (Use the <b>page</b> command before this command.) The rectangle values are integers in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.
<b>help=index   contents   search</b>	Used only when opening a file from the command line or an Apple Event. Opens the document in the Help window, with the specified navigation panel selected.
<b>fdf=URL</b>	Specifies an FDF file to be used to populate form fields in the PDF file being opened. For example: #fdf=http://example.org/doc.fdf <b>NOTE:</b> The <b>fdf</b> parameter should be specified last in the URL.

## Specifying PDF Open Parameters in a URL

You can specify multiple PDF Open parameters in a single URL. Each parameter is separated from the others with either an ampersand (&) or a pound (#) character. Actions are processed and executed from left to right as they appear on the URL command line. Because all specified actions are executed, it is possible that later actions will override the effects of previous actions, so it is important to be aware of the order. For example, *page* actions should appear before *zoom* actions.

Commands are not case sensitive (except for the value of a named destination). There can be no spaces in the URL line.

### URL Examples

```
http://example.org/doc.pdf#nameddest=Chapter6
http://example.org/doc.pdf#page=3
http://example.org/doc.pdf#page=3&zoom=200,250,100
http://example.org/doc.pdf#zoom=50
http://example.org/doc.pdf#page=72&view=fitH,100
http://example.org/doc.pdf#view=fitb&nameddest=Chapter3
http://example.org/doc.pdf#pagemode=none
http://example.org/doc.pdf#pagemode=bookmarks&page=2
http://example.org/doc.pdf#page=3&pagemode=thumbs
http://example.org/doc.pdf#collab=DAVFDF@http://review_server/Collab/user1
http://example.org/doc.pdf#page=1&comment=452fde0e-fd22-457c-84aa-2cf5bed5a349
http://example.org/doc.pdf#fdf=http://example.org/doc.fdf
```

### URL Limitations

- Only one digit following a decimal point is retained for float values.
- Individual parameters, together with their values (separated by **&** or **#**), can be no greater than 32 characters in length.
- You cannot use the reserved characters **=**, **#**, and **&**. There is no way to escape these special characters.
- If you turn bookmarks off using a URL parameter when a document had previously been saved with bookmarks on, the bookmark scrollbars are displayed at first, and only disappear once Acrobat obtains enough streamed information to render the full page.



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# Preface

## Description

This document describes PDF Open parameters for Acrobat 7.0, that allow you to open a PDF file using a URL or command that specifies both the file to be opened plus actions to be performed once the file is opened.

## Resources

The following resources provide further information about how to use the PDF Open parameters described in this document.

- *Acrobat and PDF Library API Reference*. Provides a detailed description of the Acrobat and PDF Library APIs.
- *Acrobat Online Collaboration: Setup and Administration*. Explains how to configure a collaboration store and networking issues related to Acrobat.
- *PDF Reference, fifth edition, version 1.6* describes PDF version 1.6 in detail, including PDF object types, file format, and document structure.

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## Conventions Used in This Book

The Acrobat documentation uses text styles according to the following conventions.

Font	Used for	Examples
monospaced	Paths and filenames	C:\templates\mytmpl.fm
	Code examples set off from plain text	These are variable declarations: AVMenu commandMenu,helpMenu;
monospaced bold	Code items within plain text	The <b>GetExtensionID</b> method ...
	Parameter names and literal values in reference documents	The enumeration terminates if <b>proc</b> returns <b>false</b> .
monospaced italic	Pseudocode	ACCB1 void ACCB2 ExeProc(void) { <i>do something</i> }
	Placeholders in code examples	AFSimple_Calculate( <i>cFunction</i> , <i>cFields</i> )

Font	Used for	Examples
blue	Live links to Web pages	The Acrobat Solutions Network URL is: <a href="http://partners.adobe.com/asn/">http://partners.adobe.com/asn/</a>
	Live links to sections within this document	See <a href="#">Using the SDK</a> .
	Live links to code items within this document	Test whether an <a href="#">ASAtom</a> exists.
bold	PostScript language and PDF operators, keywords, dictionary key names	The <b>setpagedevice</b> operator
	User interface names	The <b>File</b> menu
italic	Document titles that are not live links	<i>Acrobat and PDF Library API Overview</i>
	New terms	<i>User space</i> specifies coordinates for...
	PostScript variables	<i>filename</i> <b>deletefile</b>

# Open Parameters for PDF

Adobe defines parameters that allow you to open a PDF document with a command or URL that specifies exactly what to display (a named destination or specific page), and how to display it (using such characteristics as a specific view, scrollbars, bookmarks, annotations, or highlighting).

The PDF Open parameters for URLs, described in the table below, are supported through the Netscape and Internet Explorer browsers, and can also be used when opening PDF documents programmatically:

- Many of these parameters can be passed to the following core API functions (see the *Acrobat and PDF Library API Reference* for details):
  - AVDocOpenFromFileWithParamString
  - AVDocOpenFromASFileWithParamString
  - AVDocOpenFromPDDocWithParamString
- When opening a PDF document from a command shell, you can pass the parameters to the open command using the **/A** switch using the following syntax:  
`<path to Acrobat> /A "<open parameter>=OpenActions" "<path to PDF file>"`

For example:

```
Acrobat.exe /A "zoom=1000=OpenActions" "C:\example.pdf"
```

- When opening a PDF document with an Apple Event on a Macintosh operating system, you can optionally pass the PDF Open parameters.

---

## PDF Open Parameters

The following table lists and describes the available PDF open parameters. Italics indicate user-specified variables.

Syntax	Description
<b>nameddest=</b> <i>name</i>	Specifies a named destination in the PDF.
<b>page=</b> <i>pagenum</i>	Specifies a numbered page in the document, using an integer value. The document's first page has a <i>pagenum</i> value of 1.
<b>comment=</b> <i>commentID</i>	Specifies a comment on a given page in the PDF. Use the <b>page</b> command before this command; for example: #page=1&comment=452fde0e-fd22-457c-84aa-2cf5bed5a349

Syntax	Description
<code>collab=<i>setting</i></code>	<p>Sets the collaboration store to be used to supply and store comments for the document. This <i>overrides</i> the default comment server for the review or the default preference. <i>setting</i> is of the form <i>store_type@location</i>, where valid values for <i>store_type</i> are:</p> <ul style="list-style-type: none"> <li>● <b>DAVFDF</b> (webDAV)</li> <li>● <b>FSFDF</b> (Network store)</li> <li>● <b>DB</b> (ADBC)</li> </ul> <p>For example:  <code>#collab=DAVFDF@http://review_server/Collab/user1</code>  For more information, see <i>Acrobat Online Collaboration: Administration and Setup</i>.</p>
<code>zoom=<i>scale</i></code> <code>zoom=<i>scale, left, top</i></code>	<p>Sets the zoom and scroll factors, using float or integer values.</p> <p>For example, a <i>scale</i> value of 100 indicates a zoom value of 100%.</p> <p>Scroll values <i>left</i> and <i>top</i> are in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.</p>
<code>view=Fit</code> <code>view=FitH</code> <code>view=FitH, top</code> <code>view=FitV</code> <code>view=FitV, left</code> <code>view=FitB</code> <code>view=FitBH</code> <code>view=FitBH, top</code> <code>view=FitBV</code> <code>view=FitBV, left</code>	<p>Set the view of the displayed page, using the keyword values defined in the PDF language specification. See the <i>PDF Reference</i>.</p> <p>Scroll values <i>left</i> and <i>top</i> are floats or integers in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.</p> <p>Use the <b>page</b> command before this command.</p> <p><b>NOTE:</b> Not supported on the command line.</p>
<code>viewrect=<i>left, top, wd, ht</i></code>	<p>Sets the view rectangle using float or integer values in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.</p> <p>Use the <b>page</b> command before this command.</p> <p><b>NOTE:</b> Not supported on the command line.</p>
<code>pagemode=bookmarks</code> <code>pagemode=thumbs</code> <code>pagemode=none</code> (default)	<p>Displays bookmarks or thumbnails.</p>
<code>scrollbar=1   0</code>	<p>Turns scrollbars on or off.</p>

Syntax	Description
<b>search=wordList</b>	Opens the Search UI and performs a search for the specified word list in the document. Matching words are highlighted in the document. The words must be enclosed in quotes and separated by spaces; for example: <code>#search="word1 word2"</code>
<b>toolbar=1   0</b>	Turns the toolbar on or off.
<b>statusbar=1   0</b>	Turns the status bar on or off.
<b>messages=1   0</b>	Turns the document message bar on or off.
<b>navpanes=1   0</b>	Turns the navigation panes and tabs on or off.
<b>highlight=lt,rt,top,btm</b>	Highlights a specified rectangle on the displayed page. (Use the <b>page</b> command before this command.) The rectangle values are integers in a coordinate system where 0,0 represents the top left corner of the visible page, regardless of document rotation.
<b>help=index   contents   search</b>	Used only when opening a file from the command line or an Apple Event. Opens the document in the Help window, with the specified navigation panel selected.
<b>fdf=URL</b>	Specifies an FDF file to be used to populate form fields in the PDF file being opened. For example: <code>#fdf=http://example.org/doc.fdf</code> <b>NOTE:</b> The <b>fdf</b> parameter should be specified last in the URL.

## Specifying PDF Open Parameters in a URL

You can specify multiple PDF Open parameters in a single URL. Each parameter is separated from the others with either an ampersand (&) or a pound (#) character. Actions are processed and executed from left to right as they appear on the URL command line. Because all specified actions are executed, it is possible that later actions will override the effects of previous actions, so it is important to be aware of the order. For example, *page* actions should appear before *zoom* actions.

Commands are not case sensitive (except for the value of a named destination). There can be no spaces in the URL line.

### URL Examples

```
http://example.org/doc.pdf#nameddest=Chapter6
http://example.org/doc.pdf#page=3
http://example.org/doc.pdf#page=3&zoom=200,250,100
http://example.org/doc.pdf#zoom=50
http://example.org/doc.pdf#page=72&view=fitH,100
http://example.org/doc.pdf#view=fitb&nameddest=Chapter3
http://example.org/doc.pdf#pagemode=none
http://example.org/doc.pdf#pagemode=bookmarks&page=2
http://example.org/doc.pdf#page=3&pagemode=thumbs
http://example.org/doc.pdf#collab=DAVFDF@http://review_server/Collab/user1
http://example.org/doc.pdf#page=1&comment=452fde0e-fd22-457c-84aa-2cf5bed5a349
http://example.org/doc.pdf#fdf=http://example.org/doc.fdf
```

### URL Limitations

- Only one digit following a decimal point is retained for float values.
- Individual parameters, together with their values (separated by **&** or **#**), can be no greater than 32 characters in length.
- You cannot use the reserved characters **=**, **#**, and **&**. There is no way to escape these special characters.
- If you turn bookmarks off using a URL parameter when a document had previously been saved with bookmarks on, the bookmark scrollbars are displayed at first, and only disappear once Acrobat obtains enough streamed information to render the full page.