

Neevia PDF*compress*

user's manual
version 3.3

<http://neeviaPDF.com/PDFcompress>

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For One (1) Computer

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Introduction

Neevia PDFcompress is a software product that can be used to reduce the actual size of PDF files by compressing text and graphics. It comes as a command line tool, a graphic interface application and COM object. Supported platforms are: Windows 98/NT/2000/XP/2003/Vista/2008.

Installing and Uninstalling Neevia PDFcompress

Before installing and/or using this product, please make sure you have carefully read the copyright notice and agreed to all of its terms. If you have any questions about the licensing agreement, feel free to call (954) 981.9252 or send an email to sales@neeviaPDF.com.

To install Neevia PDFcompress:

download and save the http://neeviapdf.com/prods/PDFcompress_setup.exe file onto your hard drive. After downloading the file, double-click on it and follow the instructions. The installation procedure automatically detects your operating system, copies the needed files into your system directory and installs Neevia PDFcompress.

Unattended installation:

To perform an unattended (silent) installation launch the PDFcompress installer with **/sp /very silent /norestart** command line switches. Here is the full list of supported switches:

/SP

Disables the "This will install... Do you wish to continue?" prompt at the beginning of Setup.

/SILENT, /VERYSILENT

Instructs Setup to be silent or very silent. When Setup is silent the wizard and the background window are not displayed but the installation progress window is. When Setup is very silent the installation progress window is not displayed. Everything else is normal so for example error messages during installation are displayed and the startup prompt is (if you haven't disabled it with '/SP-' command line option explained above). If a restart is necessary and the **'/NORESTART'** command is not used (see below) and Setup is silent, it will display a "Reboot now?" dialog. If it's very silent it will reboot without asking.

/NOCANCEL

Prevents the user from canceling during the installation process, by disabling the Cancel button and ignoring clicks on the close button. Useful along with /SILENT.

/NORESTART

Instructs Setup not to reboot even if it's necessary.

/DIR="x:\dirname"

Overrides the default directory name displayed on the Select Destination Directory wizard page. A fully qualified pathname must be specified.

/GROUP="folder name"

Overrides the default folder name displayed on the Select Start Menu Folder wizard page.

/user="username", /company="company name", /serial="serial number"

Use these switches to pass the registration info (username, company name and serial number) to the installer.

To remove Neevia PDFcompress from your computer:

1. Select **Settings -> Control Panel** from the Start menu.
2. In the Control Panel click **Add/Remove programs** and select **Neevia PDFcompress** from the applications list.
3. Click the **Add/Remove** button to remove the program. A confirmation prompt is displayed.

Unattended uninstall:

To perform an unattended (silent) uninstall, launch **unins000.exe** from the folder where the application has been installed with **/verysilent /norestart** command line switches. Here is the full list of supported switches:

/SILENT, /VERYSILENT

When specified, the uninstaller will not ask the user for startup confirmation or a message stating that uninstall is complete. Shared files that are no longer in use are deleted automatically without prompting. Any critical error messages will still be shown on the screen. When **'/VERYSILENT'** is specified, the uninstall progress window is not displayed. If a restart is necessary and the **'/NORESTART'** command isn't used (see below) and **'/VERYSILENT'** is specified, the uninstaller will reboot without asking.

/NORESTART

Instructs the uninstaller not to reboot even if it's necessary.

How to register Neevia PDFcompress

After you downloaded the product run the installer and at the end of the process enter your registration info. If you do not have a serial number and simply want to test the product select Evaluate Product then click Finish. To register via the graphic interface run PDFcompress.exe click About -> Register -> copy and paste your licensing info.

Using the Command Line Interface to compress PDF files

By default, the PDFcompress command line application is located in the c:\program files\neeviaPDF.com\PDFcompress\cmdLine folder.

Usage: CLcompr.exe <inputfile> [outputfile] [options]

<inputfile> PDF file to compress.

[outputfile] Output PDF file. If left blank it will be the same as the input file

Supported Options

-u <password> User password to input PDF file

-lin Linearizes output PDF file

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -u password -lin
```

-co Creates object streams (VERY SLOW)

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -co
```

-ci <value> Color image compression

possible values:

jpx - JPEG2000 compression (default)

jpg - JPEG compression

zip - Deflate (ZIP) compression

none - Image will be left uncompressed

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -ci jpx
```

-cq <value> Color image compression quality

possible values: 0 .. 100 (default is 75)

this parameter applies only to jpx and jpg compressions

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -ci jpx -cq 80
```

-gi <value> Grayscale image compression

possible values:

jpx - JPEG2000 compression (default)

jpg - JPEG compression

zip - Deflate (ZIP) compression

none - Image will be left uncompressed

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -gi jpx
```

-gq <value> Grayscale image compression quality

possible values: 0 .. 100 (default is 75)

this parameter applies only to jpx & jpg compressions

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -gi jpx -gq 80
```

-mi <value> Monochrome image compression
 possible values:
 jbig2 - JBIG2 lossy compression (default)
 jbig2l - JBIG2 lossless compression
 fax - Group 4 CCITT facsimile (fax) compression
 zip - Deflate (ZIP) compression
 none - Image will be left uncompressed

Example:

CLcompr.exe c:\input.pdf c:\output.pdf **-mi jbig2l**

-mq <value> Monochrome image compression quality
 possible values: 0 .. 10 (default is 5)
 this parameter applies only to jbig2 and jbig2l compressions

Example:

CLcompr.exe c:\input.pdf c:\output.pdf **-mi jbig2l -mq 8**

Encryption settings:

-owner <value> Owner password to use for encrypting output PDF file

-user <value> User password to use for encrypting output PDF file

-rc4 Uses 128 bits RC4 encryption for encrypting output file

-aes Uses 128 bits AES encryption for encrypting output file

-aes256 Uses 256 bits AES encryption for encrypting output file

-nometa Does not encrypt PDF Metadata

-perms <value> PDF security permissions to use for encrypting output file
 flags:

p - document printing is denied

c - changing the document is denied

s - selection and copying of text and graphics is denied

a - adding or changing annotations or form fields is denied

The following flags are defined for 128 bits encryption:

i - disables editing of form fields

e - disables extraction of text and graphics

d - disables document assembly

q - disables high quality printing

Example:

CLcompr.exe c:\input.pdf c:\output.pdf **-owner test -aes -perms pcs**

-title <value> Sets output PDF file title to <value>

-author <value> Sets output PDF file author to <value>

-creator <value> Sets output PDF file creator to <value>

-subject <value> Sets output PDF file subject to <value>

-keywords <value> Sets output PDF file keywords to <value>

Example:

CLcompr.exe c:\input.pdf c:\output.pdf **-title "Daily Report"**

-openmagn <value> Sets open magnification (in %) for output PDF file

-openpage <value> Sets open page for output PDF file

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -openmagn 50 -openpage 1
```

-pm <value> Specifies how output file should be displayed when opened in PDF viewer.

Possible values:

- 0 - Default view
- 1 - Page only
- 2 - Outlines (bookmarks) visible
- 3 - Thumbnail images visible
- 4 - Optional content group panel visible
- 5 - Attachments panel visible
- 6 - Full screen mode

-pl <value> Specifies page layout to use when output file is opened in PDF viewer.

Possible values:

- 1 - Displays one page at a time (default)
- 2 - Displays the pages in one column
- 3 - Displays the pages in two columns, with odd numbered pages on the left
- 4 - Displays the pages in two columns, with odd numbered pages on the right
- 5 - Displays the pages two at a time, with odd numbered pages on the left
- 6 - Displays the pages two at a time, with odd numbered pages on the right

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -pm 2 -pl 1
```

-hidemenubar Specifies if PDF viewer should hide menu bar when output file is displayed

-hidetoolbar Specifies if PDF viewer should hide toolbar when output file is displayed

-hidewindowui Specifies if PDF viewer should hide user interface elements when output file is displayed

-fitwindow Specifies if PDF viewer should resize the document's window to fit the size of the first displayed page

-centerwindow Specifies if PDF viewer should position the document's window in the center of the screen

Example:

```
CLcompr.exe c:\input.pdf c:\output.pdf -hidetoolbar -hidemenubar
```

Using the COM Interface to compress PDF files

Class ID

Neevia.PDFcompress

Example:

Visual Basic: `Set NVcomp = CreateObject("Neevia.PDFcompress")`

Delphi: `NVcomps := CreateOLEObject("Neevia.PDFcompress")`

Using the .NET assembly to compress PDF files

To use the PDFcompress.NET interface for compressing PDF files, in Visual Studio go Project -> Add Reference ->.NET and select **PDFcompressNET** from the list. After this:

Visual Basic: `Dim NVcomp As New Neevia.PDFcompress`

Visual C#: `Neevia.PDFcompress NVcomp = new Neevia.PDFcompress();`

Properties

version

Returns the PDFcompress version

Syntax

`value = NVcomp.version`

Data Type: String

Linearize

Specifies whether the compressed PDF file should be linearized (Optimized for fast Web View).

Possible values: **true**, **false** (Default value: false)

Syntax

`NVcomp.Linearize = value`

Data Type: Boolean

PDFPassword

Specifies the open password to use when compressing an encrypted PDF file.

Syntax

`NVcomp.PDFPassword = value`

Data Type: String

removeBookmarks

Specifies whether to remove bookmarks from the compressed PDF file.

Possible values: **true**, **false** (Default value: false)

Syntax

`NVcomp.removeBookmarks = value`

Data Type: Boolean

removeAnnotations

Specifies whether to remove text annotations from the compressed PDF file.

Possible values: **true**, **false** (Default value: false)

Syntax

NVcomp.removeAnnotations = value

Data Type: Boolean

removeAcroForms

Specifies whether to remove PDF forms from the compressed PDF file.

Possible values: **true**, **false** (Default value: false)

Syntax

NVcomp.removeAcroForms = value

Data Type: Boolean

removePageLabels

Specifies whether to remove page labels from the compressed PDF file.

Possible values: **true**, **false** (Default value: false)

Syntax

NVcomp.removePageLabels = value

Data Type: Boolean

removeLayers

Specifies whether to remove layers from the compressed PDF file.

Possible values: **true**, **false** (Default value: false)

Syntax

NVcomp.removeLayers = value

Data Type: Boolean

removeArticleThreads

Specifies whether to remove article threads from the compressed PDF file.

Possible values: **true**, **false** (Default value: false)

Syntax

NVcomp.removeArticleThreads = value

Data Type: Boolean

CI

Specifies the color image compression algorithm.

Possible values:

jpx - JPEG2000 compression (default)

jpg - JPEG compression

zip - Deflate (ZIP) compression

none - Image will be left uncompressed

Syntax

NVcomp.CI = value

Data Type: String

CQ

Specifies the color image compression quality. Possible values: 0 .. 100 (default is 75).

Syntax

NVcomp.CQ = value

Data Type: Integer

Note: this parameter applies only to jpx and jpg compressions.

GI

Specifies the grayscale image compression algorithm.

Possible values:

jpx - JPEG2000 compression (default)

jpg - JPEG compression

zip - Deflate (ZIP) compression

none - Image will be left uncompressed

Syntax

NVcomp.GI = value

Data Type: String

GQ

Specifies the color image compression quality. Possible values: 0 .. 100 (default is 75).

Syntax

NVcomp.GQ = value

Data Type: Integer

Note: this parameter applies only to jpx and jpg compressions.

MI

Specifies the monochrome image compression algorithm.

Possible values:

jbig2 - JBIG2 lossy compression (default)

jbig2l - JBIG2 lossless compression

fax - Group 4 CCITT facsimile (fax) compression

zip - Deflate (ZIP) compression

none - Image will be left uncompressed

Syntax

NVcomp.MI = value

Data Type: String

MQ

Specifies the color image compression quality. Possible values: 0 .. 10 (default is 5).

Syntax

NVcomp.MQ = value

Data Type: Integer

Note: this parameter applies only to jbig2 and jbig2l compressions.

CreateObjectStreams

Specifies whether to create object streams when compressing the PDF file.

Syntax

NVcomp.CreateObjectStreams = value

Data Type: Boolean

Note: An object stream represents a stream that contains a sequence of PDF objects. This allows a greater number of PDF objects to be compressed.

PDF Encryption related properties

PDFEncrypt

Specifies whether the output PDF file should be encrypted.

Possible values: **true**, **false** (Default value: false)

Syntax

NVcomp.PDFEncrypt = value

PDFEncryptMetaData

Specifies whether the metadata in the output PDF file should be encrypted.

Possible values: **true**, **false** (Default value: true)

Syntax

NVcomp.PDFEncrypt = value

PDFEncryptionType

Specifies the encryption algorithm

Possible values: **"40"** (low - 40 bits RC4 encryption - Acrobat 3-and-later compatible)

"rc4" (high - 128 bits RC4 encryption - Acrobat 5-and-later compatible)

"aes" (high - 128 bits AES encryption - Acrobat 6-and-later compatible)

"aes256" (high - 256 bits AES encryption - Acrobat 9-and-later compatible)

Syntax

NVcomp.PDFEncryptionType = value

Data Type: String

Note: Will have effect only if PDFEncrypt = true.

PDFUserPassword

Sets the user password in the output document. Users will be asked to enter this password before Acrobat Reader allows them to view the document.

Syntax

NVcomp.PDFUserPassword = value

Data Type: String

Note: Will have effect only if PDFEncrypt = true.

PDFOwnerPassword

Sets the output document owner password. This option will force the user of the PDF to enter a password before Acrobat Reader allows them to change the user password and security permissions.

Syntax

NVcomp.PDFOwnerPassword = value

Data Type: String

Note: Will have effect only if PDFEncrypt = true.

PDFPermissions

PDF security permissions to use for encrypting output file. Possible values:

- p - document printing is denied
- c - changing the document is denied
- s - selection and copying of text and graphics is denied
- a - adding or changing annotations or form fields is denied

The following flags are defined for 128 bits encryptions:

- i - disables editing of form fields
- e - disables extraction of text and graphics
- d - disables document assembly
- q - disables high quality printing

Syntax

NVcomp.PDFPermissions = value

Data Type: String

Example:

NVcomp.PDFPermissions = "pcsaiedq"

PDF Initial View & Metadata related properties

DocumentTitle

Sets the output document Title field.

Syntax

NVcomp.DocumentTitle = value

Data Type: String

DocumentSubject

Sets the output document Subject field.

Syntax

NVcomp.DocumentSubject = value

Data Type: String

DocumentAuthor

Sets the output document Author field.

Syntax

NVcomp.DocumentAuthor = value

Data Type: String

DocumentKeywords

Sets the output document Keywords field.

Syntax

NVcomp.DocumentKeywords = value

Data Type: String

PageMode

Specifies how output file should be displayed when opened in PDF viewer. Possible values:

- 0** - Default view
- 1** - Page only
- 2** - Outlines (bookmarks) visible
- 3** - Thumbnail images visible
- 4** - Optional content group panel visible
- 5** - Attachments panel visible
- 6** - Full screen mode

Syntax

NVcomp.PageMode = value

Data Type: Long

PageLayout

Specifies page layout to use when output file is opened in PDF viewer. Possible values:

- 1** - Displays one page at a time (default)
- 2** - Displays the pages in one column
- 3** - Displays the pages in two columns, with odd numbered pages on the left
- 4** - Displays the pages in two columns, with odd numbered pages on the right
- 5** - Displays the pages two at a time, with odd numbered pages on the left
- 6** - Displays the pages two at a time, with odd numbered pages on the right

Syntax

NVcomp.PageLayout = value

Data Type: Long

OpenMagnification

Specifies the open magnification (in %) for output PDF file. Default value: 100

Syntax

NVcomp.OpenMagnification = value

Data Type: Long

OpenAtPage

Specifies the open page for output PDF file. Default value: 1 (first page)

Syntax

NVcomp.OpenAtPage = value

Data Type: Long

FitWindow

Specifies if PDF viewer should resize the document's window to fit the size of the first displayed page.

Possible values: **true, false**

Syntax

NVcomp.FitWindow = value

Data Type: Boolean

CenterWindow

Specifies if PDF viewer should position the document's window in the center of the screen.

Possible values: **true, false**

Syntax

NVcomp.CenterWindow = value

Data Type: Boolean

HideMenuBar

Specifies if Acrobat Reader should hide the menu bar when displaying the output PDF document.

Possible values: **true, false**

Syntax

NVcomp.HideMenuBar = value

Data Type: Boolean

HideToolBar

Specifies if Acrobat Reader should hide the toolbar when displaying the output PDF document.

Possible values: **true, false**

Syntax

NVcomp.HideToolBar = value

Data Type: Boolean

HideWindowUI

Specifies if Acrobat Reader should hide the user interface when displaying the output PDF document.

Possible values: **true, false**

Syntax

NVcomp.HideWindowUI = value

Data Type: Boolean

Methods

CompressPDF

Compresses the specified PDF file.

Syntax

```
Res = NVcomp.CompressPDF( fileToCompress, outputFile )
```

Parameters

fileToCompress - PDF file to compress.

outputFile - output PDF file name.

Example

```
Res = NVcomp.CompressPDF("c:\input.pdf", "c:\out.pdf")
```

Remarks

Res<>0 on error

Return codes

0 - Success

-1 - General compression error

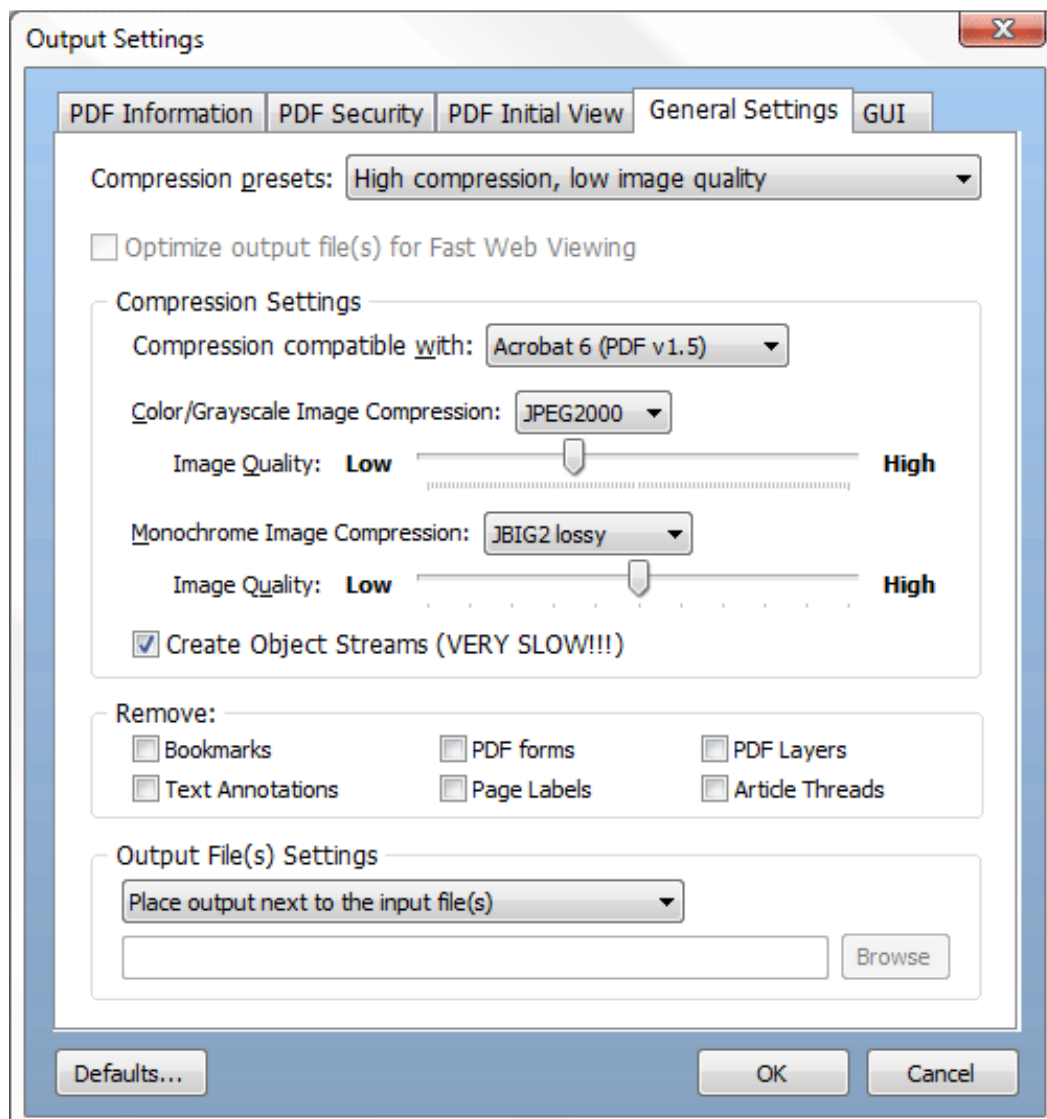
-109 - Input PDF has no pages (most likely a corrupt PDF file)

-200 ... -299 - these error codes are related to the input PDF parsing process (most likely the input PDF file is corrupted or has syntax errors);

-300 ... -399 - these error codes are related to the output PDF creation process (most likely the user account PDFcompress is called from doesn't have write permissions to the destination folder).

Output Settings

Before compressing PDF files you need to specify the output settings. To do that click on the Settings button. The interface below will be displayed:



General Settings

In this window you can specify the compression settings to be used during the file compression process.

First you need to select the compression compatibility level. There are three options:

1. Acrobat 4 (PDF v1.3)
2. Acrobat 5 (PDF v1.4)
3. Acrobat 6 (PDF v1.5)

According to the compatibility level selected the following compression types can be used:

ZIP compression - this is a lossless algorithm which means that the content of your images will not change by compressing them. Basically ZIP works like this: it scans an image to detect patterns in it and replaces them by a single token. It can compress color, grayscale and monochrome images.

JPEG compression - designed specifically for compression of sampled continuous-tone (photographic) images and not for general data compression, JPEG is a lossy compression method. The compression results you can obtain using the JPEG algorithm depend on the image being compressed and the amount of loss that is acceptable. When JPEG is selected you can set the Image quality using values from 0 to 100. It can be used for color and grayscale images only.

Fax compression - designed to achieve efficient compression of monochrome (1 bit per pixel) image data at relatively low resolutions which means that it is useful only for bitmap image data, not for color images, grayscale images, or general data.

JPEG2000 compression - defines a wavelet-based method for image compression. Compared to other methods such as regular JPEG or CCITT, JPEG2000 gives a better size reduction. Although the filter can reproduce samples that are losslessly compressed, it is recommended only for use with color and grayscale images and not for general data compression. When JPEG2000 is selected you can set the Image quality using values from 0 to 100.

JBIG2 compression - designed for both lossless and lossy compression. Useful only for monochrome images, not for color images, grayscale images, or general data. Compared to CCIT, JBIG2 provides considerably better compression. The compression it achieves depends strongly on the nature of the image. Even though the best compression level is achieved for images of text, JBIG2 also includes algorithms for compressing sections of an image that contain dithered halftone images (valid mainly for photographs). When JBIG2 is selected (lossy or lossless) you can set the Image quality using values from 0 to 100.

After you select your compression types you can check:

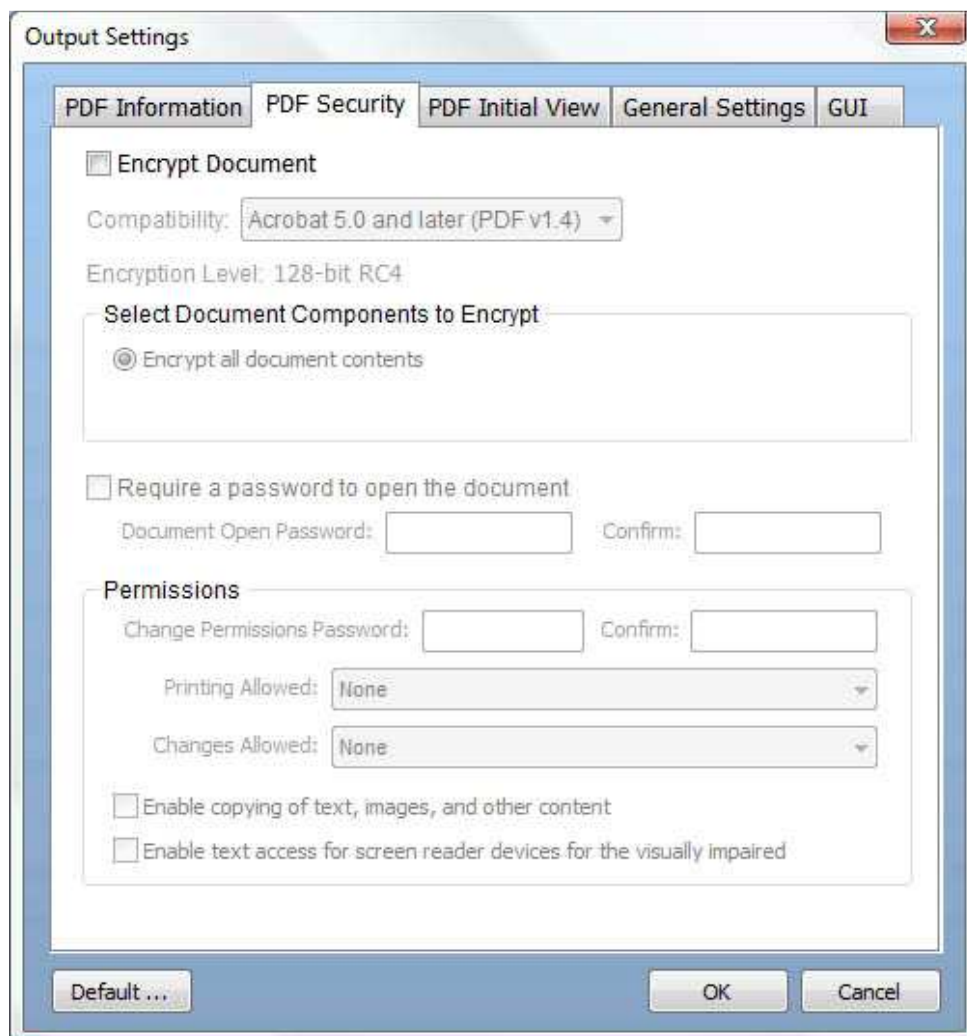
- **Create Object Streams** - valid only with Acrobat 6 (PDF v1.5). An object stream represents a stream that contains a sequence of PDF objects. This allows a greater number of PDF objects to be compressed.
- **Optimize output file(s) for Fast Web Viewing** - this option restructures the resulting PDF document for page-at-a-time downloading (byte-serving) which is especially important with large documents that can take a long time to download from a server.

Output File(s) Settings - this allows you to specify where the compressed file to be placed, which can be next to input file(s) or in a selected folder.

PDF Information

It allows you to specify Title, Author, Subject and Keywords for the compressed file.

PDF Security



To encrypt the output PDF file(s), check **Encrypt Document** then select the encryption level from the Compatibility drop down box. There are 4 options:

- Acrobat 3.0 and later (PDF 1.2) enables 40 bit RC4 encryption (weak - not recommended)
- Acrobat 5.0 and later (PDF 1.4) enables 128 bit RC4 encryption
- Acrobat 6.0 and later (PDF 1.5) enables 128 bit RC4 encryption
- Acrobat 7.0 and later (PDF 1.6) enables 128 bit AES encryption
- Acrobat 9.0 and later (PDF 1.7) enables 256 bit AES encryption

Encrypt All Document Contents

When you select this option both the document and document metadata will be encrypted. Search engines will not be able to access the document metadata when this option is used.

Encrypt All Document Contents Except Metadata

It is valid for Acrobat 6 and later. Only the content of a PDF document will be encrypted. Metadata remains fully accessible for search engines.

Require a Password to Open the Document

This allows you to set a password for opening the encrypted PDF.

Change Permissions Password

This password prevents users from changing the permission settings. The user can view the file in Acrobat Reader but must enter the specified Permissions password in order to change the file's Security and Permissions settings.

Permissions

Printing Allowed - Specifies the level of printing that users are allowed for the PDF document.

Possible values:

None - Disables printing.

Low Resolution (150 dpi) - Users can print but the resolution will not be higher than 150-dpi. Each page is printed as a bitmap image which may cause files to print at a slower speed. To make this option available set the Compatibility option to Acrobat 5 (PDF 1.4) or later.

High Resolution - Allow users to print at any resolution. PostScript and other printers that come with high-quality printing features can be used.

Changes Allowed - Enables the editing actions that are allowed in the PDF document. Possible values:

None - when selected none of the changes listed in Changes Allowed drop down box, such as filling in form fields and adding comments are permitted.

Inserting, Deleting, And Rotating Pages - allows users to insert, delete, and rotate pages. Also bookmarks and thumbnails creation are permitted. This option works only for high (128-bit RC4 or AES) encryption.

Filling in Form Fields and Signing Existing Signature Fields - when selected users can fill in forms and add digital signatures. Adding comments or creating form fields is not permitted. This option works only for high (128-bit RC4, AES or AES256) encryption.

Commenting, Filling In Form Fields and Signing Existing Signature Fields - users are allowed to add comments, digital signatures and fill in forms. Moving page objects or create form fields is not permitted.

Page Layout, Filling in Form Fields and Signing - users can insert, rotate or delete pages and create bookmarks or thumbnail images, fill out forms, and add digital signatures. Creating form fields is not permitted. This option works only for low (40-bit RC4) encryption.

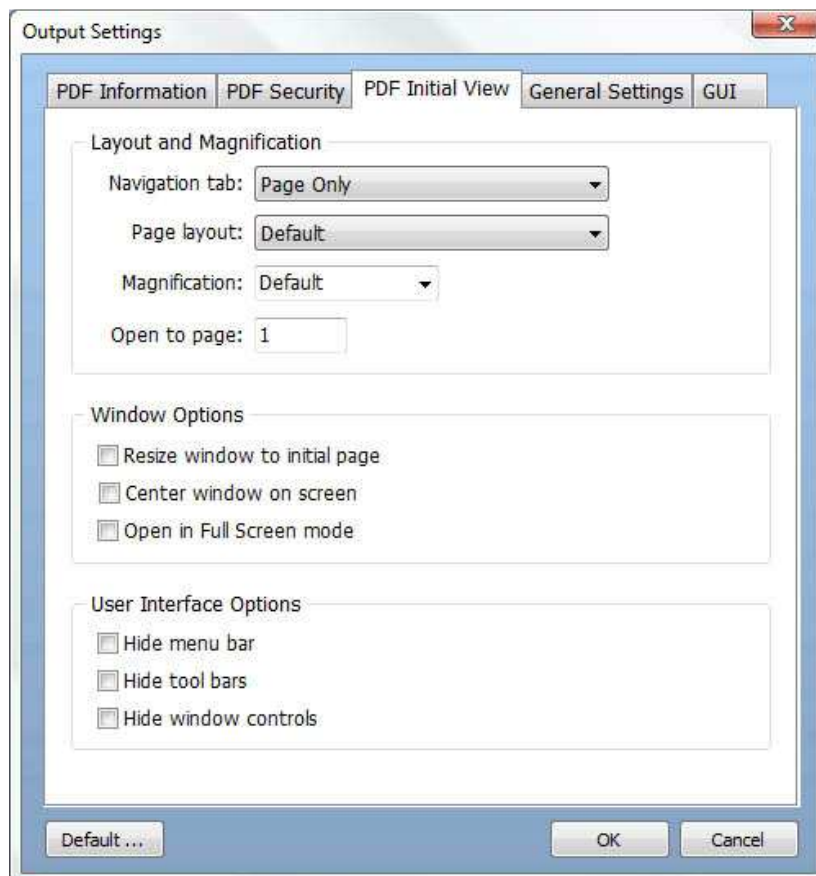
Any Except Extracting Pages - allows users to edit the document, create and fill in form fields, add comments and digital signatures.

Enable Copying of Text, Images, and Other Content - allows users to select and copy the contents of a PDF.

Enable Text Access For Screen Reader Devices For The Visually Impaired - when selected visually impaired users can read the document with screen readers. It doesn't allow users to copy or extract the document's contents. This option works only for high (128-bit RC4, AES or AES256) encryption.

PDF Initial View

In this window you can set the PDF Initial View options:



Navigation Tab - specifies which panels are displayed in the PDF viewer navigation pane.

Page Layout - specifies how document pages are arranged.

Magnification - use this to select at what zoom level the document will appear when opened.

Open To Page - specifies the page that appears when the PDF document opens.

Window Options - these options allow you to specify how the PDF viewer window adjusts in the screen area when a PDF document is opened.

Resize Window To Initial Page - adjusts the document window to fit snugly around the opening page, taking into account the options that you selected under Document Options.

Center Window On Screen - instructs the PDF viewer to position the window in the center of the screen area.

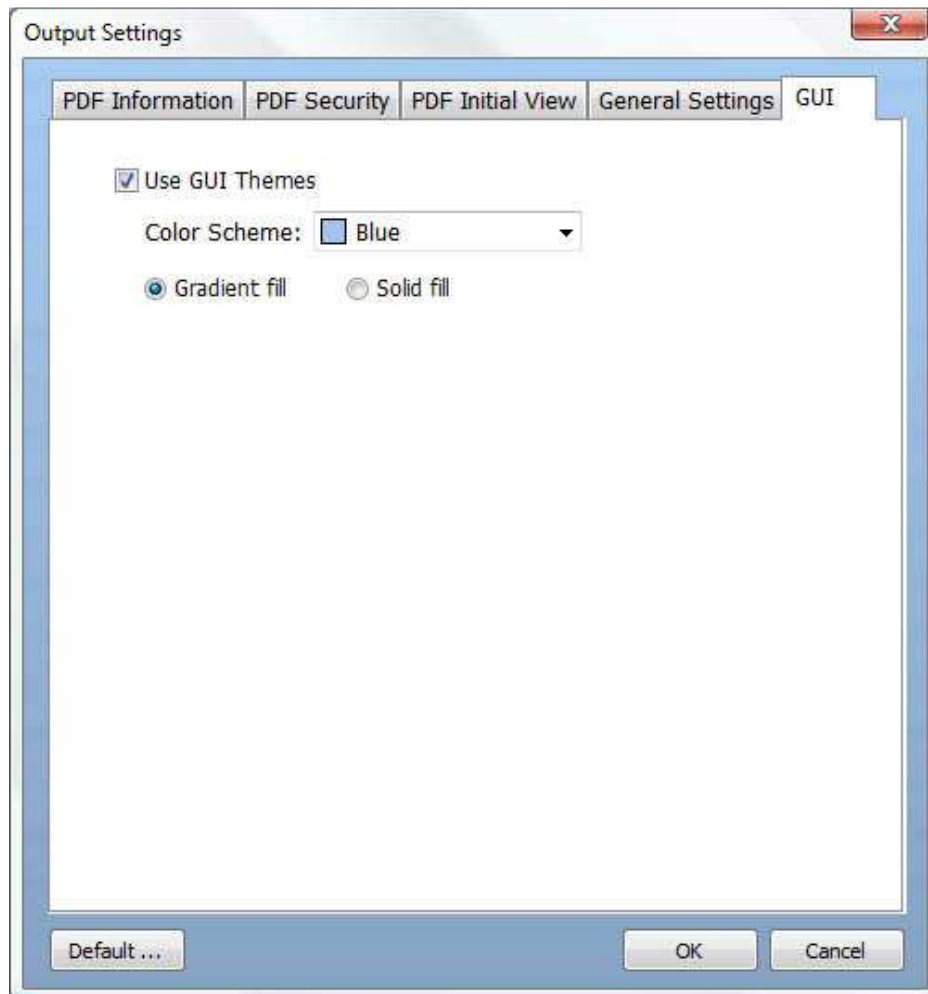
Open In Full Screen Mode - maximizes the document window and displays the document without the menu bar, toolbar, or window controls.

User Interface Options

These options allow you to specify which parts of the PDF viewer interface - the menu bar, the toolbars, and the window controls - are hidden.

Note: take into account that if you hide the menu bar and toolbars users cannot apply commands and select tools unless they know the keyboard shortcuts.

GUI - Graphic User Interface



In this window you can select the Graphic User Interface themes. Check Use GUI Themes to enable the Color Scheme. Once that is enabled check either Gradient fill or Solid fill to specify how the color will be displayed.

CODE SAMPLES

For a full and updated list of PDFcompress code samples please visit <http://neeviaPDF.com/support/examples/pdfcompress/>

Example 1vb. Compress a PDF file (high image quality, low compression) (Visual Basic)

```
Dim NVcomp : Set NVcomp = CreateObject("Neevia.PDFcompress")

NVcomp.CI = "jpx"
NVcomp.CQ = 75

NVcomp.GI = "jpx"
NVcomp.GQ = 75

NVcomp.MI = "jbig2!"
NVcomp.MQ = 5

'For better compression uncomment the line below
' NVcomp.CreateObjectStreams = true

Dim retVal : retVal = NVcomp.CompressPDF("c:\in.pdf","c:\out.pdf")
If retVal <> 0 Then
    MsgBox("Error code=" & CStr(retVal))
Else
    MsgBox("Done")
End If
```

Example 1delphi. Compress a PDF file (high image quality, low compression) (Delphi)

```
procedure TForm1.Button1Click(Sender: TObject);
var
    NVcomp : Variant;
    retVal : Integer;
begin
    NVcomp := CreateOleObject('Neevia.PDFcompress');

    NVcomp.CI := 'jpx';
    NVcomp.CQ := 75;

    NVcomp.GI := 'jpx';
    NVcomp.GQ := 75;

    NVcomp.MI := 'jbig2!';
    NVcomp.MQ := 5;

    // For better compression uncomment the line below
    // NVcomp.CreateObjectStreams := true;

    retVal := NVcomp.CompressPDF('c:\in.pdf', 'c:\out.pdf');
    if retVal <> 0 then
        Application.MessageBox(PChar('Error code=' + IntToStr(retVal)), '', 0)
    else
        Application.MessageBox('Done', '', 0);
end;
```

Example 2vb. Compress a PDF file (low image quality, MAX compression) (Visual Basic)

```
Dim NVcomp : Set NVcomp = CreateObject("Neevia.PDFcompress")

NVcomp.CI = "jpx"
NVcomp.CQ = 10

NVcomp.GI = "jpx"
NVcomp.GQ = 10

NVcomp.MI = "jbig2"
NVcomp.MQ = 1

NVcomp.CreateObjectStreams = true

NVcomp.removePageLabels = true
NVcomp.removeArticleThreads = true

Dim retVal : retVal = NVcomp.CompressPDF("c:\in.pdf","c:\out.pdf")
If retVal <> 0 Then
    MsgBox("Error code=" & CStr(retVal))
Else
    MsgBox("Done")
End If
```

Example 2delphi. Compress a PDF file (low image quality, MAX compression) (Delphi)

```
procedure TForm1.Button1Click(Sender: TObject);
var
    NVcomp : Variant;
    retVal : Integer;
begin
    NVcomp := CreateOleObject('Neevia.PDFcompress');

    NVcomp.CI := 'jpx';
    NVcomp.CQ := 10;

    NVcomp.GI := 'jpx';
    NVcomp.GQ := 10;

    NVcomp.MI := 'jbig2';
    NVcomp.MQ := 1;

    NVcomp.CreateObjectStreams := true;

    NVcomp.removePageLabels := true;
    NVcomp.removeArticleThreads := true;

    retVal := NVcomp.CompressPDF('c:\in.pdf', 'c:\out.pdf');
    if retVal <> 0 then
        Application.MessageBox(PChar('Error code=' + IntToStr(retVal)), '', 0)
    else
        Application.MessageBox('Done', '', 0);
    end;
end;
```