

Safeguard Enterprise Command Line

Product Manual for Windows

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1. Introduction

Safeguard Enterprise Command Line Utility is provided to allow the automation of actions that would otherwise have had to be carried out manually whilst protecting documents through the Writer GUI. Commands can be run from the DOS prompt or a batch file without the need for manual input. All the options available through the Safeguard Enterprise Writer GUI can be accessed through the command line utility, with the exception of the document title and document notes fields (which are deemed irrelevant when batch protecting documents).

This guide requires that you are already familiar with the operation of the manual GUI interface used for protecting documents, and understand the processes that it follows. It is not suitable for users who do not have experience of using the Safeguard Enterprise Administration system. This guide does NOT contain all the information provided in the Safeguard Enterprise Writer manual and must be read in conjunction with that document.

There now follows a description of the commands that are recognized for input to the Command Line Utility. The words SHALL and MUST and NOT are mandatory throughout.

1.1 The command line parameters

All the Command Line parameters are introduced by the Protect command which is then followed by further parameters as required.

PROTECT

To batch protect PDF files from input sources (files from one or more folder locations), the Writer application, PDCWriter.exe, must be run. You MUST give the full file path to the executable program, and you (or the program that issues this command) must have access to all the files and folders that are specified for both source and output.



Following the command to load the PDCWriter you MUST use the “PROTECT” command, followed by a space, and at a minimum MUST include the source folder and output folder. The PROTECT and OUTPUT commands are mandatory.

Example with full path to PDCWriter.exe:

```
“C:\Program Files\PDF Writer Enterprise\PDCWriter.exe” PROTECT “source”  
[/options] /OUTPUT “output folder”
```

The PROTECT command informs PDCWriter that a batch job is about to begin.

“**source**” is the source path, and may be a folder path with wildcard support - * ? – or a list of folders and files separated by a slash (/). The source path MUST be enclosed with quotes. When passing a list of folders the slash that separates the first path from the second path MUST not contain spaces.

OUTPUT is the output path. It MUST be enclosed in quotes. The /OUTPUT command is required in order to set the protected files destination folder. If the output folder does not already exist, it will be created automatically.

You MUST ensure that you do not have any protected filename clashes when specifying “source” files using wild card options.

In the following examples, all PDF files from two folders will be protected using the default options for all available switches listed in this guide.

Example 1:

```
“C:\Program Files\PDF Writer Enterprise\PDCWriter.exe” PROTECT  
“C:\Folder1\files\*.pdf”/“C:\Folder2\files\*.pdf” /OUTPUT “C:\PDC Output”
```

Example 2:

```
“C:\Program Files\PDF Writer Enterprise\PDCWriter.exe” PROTECT  
“C:\Folder1\files\*.pdf/C:\Folder2\files\*.pdf” /OUTPUT “C:\PDC Output”
```

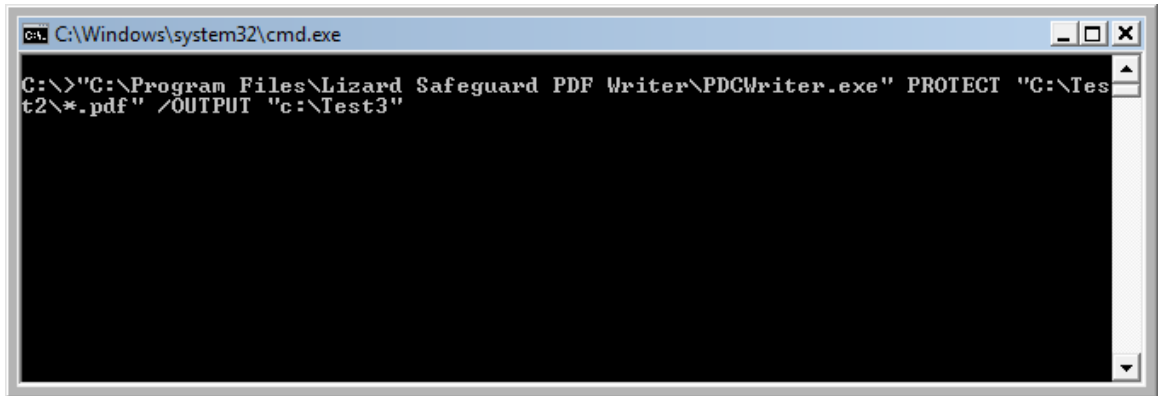


Diagram 1: Command line parameters in a batch file

1.2 Status window

At the end of the batch job the writer will show a status window with a list of protected PDF files and their status (succeeded – with a green color or failed – with a red color). Double clicking on an item from the Protection Status Window will launch the protected document for viewing.



Diagram 2: Command line status window

The status window can be prevented from displaying by using the **/NOSTATS** switch.



1.3 Error messages

When the writer detects an invalid command it will report the error using a message.

Error messages can be prevented from displaying by using the **/NOERRORS** switch.

1.4 Output folder

The writer will check if the output folder path has an invalid path name (on Windows, a folder name can't contain / : * ? \ < > or |) and will report this error to the screen (unless the **/NOERRORS** switch has been used).

If the output folder does not exist it will be created by Safeguard Enterprise Command Line Utility.

1.5 Overwriting existing files

The **/OVERWRITE** command can be used to overwrite files that already exist with the same name in the output folder.

1.6 Missing or invalid parameters

When PDCWriter.exe is launched without parameters, or the parameters passed to it are invalid, it will popup a dialog box to allow a user to select the PDF files they wish to protect.

1.7 Document ID

When you protect a document, the document ID is written to the top of the protected PDF file (PDC file). This information can be used in conjunction with the ecommerce command (`grant_doc_access`) so you can protect a document using command line and then automatically assign it to a customer using ecommerce.



2. Options

The options listed below correspond to selections that are available from the GUI interface in the PDCWriter application.

The full path must be given to the PDCWriter.exe application. For example, “C:\Program Files\PDF Writer Enterprise\PDCWriter.exe”

[/options] are switches that may be passed to Safeguard Writer to set document rights and watermark settings.

All the switches listed are optional, and can be used in any order, as long as they are used after the “source” command and before the “output” command.

When a setting for an available switch is not specified, the stated default option will be used. Defaults are those settings that are listed below as the standard default setting. As a result, great care is needed to ensure that if options have not been specified that the user is aware of the default options that SHALL be enforced.

Switch names are NOT case sensitive and MUST begin with a slash (/). Each switch MUST be separated from the next switch by a space.

If a switch requires parameters then these MUST be enclosed in quotes. A space is required to separate the parameters from the switch.

In the following example, all the PDF files in C:\My Folder1\files will be protected and saved in the folder C:\Protected. Each document being protected can be printed 15 times.

Example:

```
PDCWriter.exe PROTECT “C:\My Folder1\files\*.pdf” /PRINT “15” /OUTPUT  
“C:\Protected”
```

Switch Definitions with examples of use are explained in the next section.



2.1 Output Folder options

/OVERWRITE

This switch allows the overwriting of a file of the same name if it is present in the output folder. The use of this switch will overwrite files without any further prompting.

Note 1: If the output file is in use by another application, the operation will fail and the protection status window will report the file as “Failed - Output file is in use”.

Note 2: If the output file already exists then a ‘Rename File’ dialog will be displayed prompting you to either rename the output file or overwrite the existing file. This dialog will be displayed regardless of whether you have used the /NOSTATS /NOERRORS and /NOPROGRESS switches so you should bear this in mind if you want completely automated processing without any dialogs displaying.

DEFAULT SETTINGS: NO OVERWRITE

If this switch is not specified and a document is found with the same name in the output folder, it is not overwritten. A rename file dialog is displayed prompting you to rename the output file or overwrite the existing file.

Example 1: Overwrite files that exist with the same name in the C:\Protected folder

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /OVERWRITE /OUTPUT  
"C:\Protected"
```



2.2 Print options

/PRINT "n"

This switch is used to allow printing and control the number of times a document can be printed:

- an integer number sets the maximum number of times a document can be printed;
- entering a value of 0 or not specifying any parameter (using the /print switch on it's own) allows unlimited printing.

DEFAULT SETTINGS: NO PRINTING ALLOWED

If this switch is not specified then NO PRINTING is allowed.

Example 1: Protected documents can be printed

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /OUTPUT  
"C:\Protected"
```

Example 2: Protected documents can be printed 5 times

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT "5" /OUTPUT  
"C:\Protected"
```

/PRINTON "win"

Allows you to specify if you want documents to be able to be printed on different operating systems:

- Set "win" to allow printing only on Windows Operating Systems.
- Set "mac" to allow printing only on Mac Operating Systems.



DEFAULT SETTINGS: ALL

If this switch is not specified then documents can be printed on Windows and Mac computers.

Example: Protected documents can only be printed on Windows

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /PRINTON "win"  
/OUTPUT "C:\Protected"
```

/NOVIEWONPD

Specifying this switch will prevent documents being accessed once print copies have been depleted.

Note that this switch is only relevant if you have specified a limited number of prints.

DEFAULT SETTINGS: DOCUMENTS CAN BE ACCESSED AFTER PRINT COPIES HAVE BEEN DEPLETED

If this switch is not specified then once a user has used up all their print allowances they can still continue to view the document.

Example: Protected documents can no longer be viewed once a user has used up their 5 print allowances.

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT "5"  
/NOVIEWONPD /OUTPUT "C:\Protected"
```

/LOGPRINTS

Specifying this switch will log print requests.

DEFAULT SETTINGS: PRINT REQUESTS ARE NOT LOGGED

If this switch is not specified then when documents are printed, print requests are not logged to the administration system.



Example 1: Protected documents can be printed and each time a print request is made it is logged on the administration system.

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /LOGPRINTS  
/OUTPUT "C:\Protected"
```

Example 2: Protected documents can be printed 5 times and each time a print request is made it is logged on the administration system.

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT "5" /LOGPRINTS  
/OUTPUT "C:\Protected"
```



2.3 View options

/VIEWS “n”

Specifies the number of times a document can be viewed.

- Enter a number for the number of times a document can be viewed.

DEFAULT SETTINGS: UNLIMITED VIEWING

If this switch is not specified then the number of times a document can be viewed is NOT limited.

Example: Protected documents can only be viewed 5 times

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VIEWS "5" /OUTPUT  
"C:\Protected"
```

/LOGVIEWS

Specifying this switch will log document views.

DEFAULT SETTINGS: DOCUMENT VIEWS ARE NOT LOGGED

If this switch is not specified then when documents are viewed, this information is not logged to the administration system.

Example: Each time a document is viewed it is logged on the administration system.

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /LOGVIEWS /OUTPUT  
"C:\Protected"
```



2.4 Document Expiry options

/EXPIRY "7/30/2008"

Specifies when a document expires (number of days, a fixed date, or never expires).

- Set the expiry date for the document being protected. This date **MUST** be in the format 'month/day/year'.
- Set the number of days from when the document expires after first being opened.

DEFAULT SETTINGS: DOCUMENT NEVER EXPIRES

If this switch is not specified then documents never expire.

Example 1: Set the protected document to expire on 1 December 2011

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /EXPIRY "12/1/2011"  
/OUTPUT "C:\Protected"
```

Example 2: Set the protected document to expire 30 days after it is first viewed

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /EXPIRY "30" /OUTPUT  
"C:\Protected"
```



2.5 Document Access options

/ACCESS “outside”

This switch is used to determine the accessibility rules for the document.

- set the parameter “outside” to publish the document as a stand alone document that will have to be allocated to individual customers;
- set the parameter to the name of the publication for publishing to a publication. Only one publication name can be specified.

DEFAULT SETTINGS: ALL

If this switch is not specified then all customers have access to your protected documents.

Example 1: Protect the selected documents as free-standing documents (outside of a publication)

```
PDCWriter.exe PROTECT “C:\My Folder1\files\*.pdf” /ACCESS “outside”  
/OUTPUT “C:\Protected”
```

Example 2: Protect the selected documents for all users of the publication Engineering Times

```
PDCWriter.exe PROTECT “C:\My Folder1\files\*.pdf” /ACCESS “Engineering  
Times” /OUTPUT “C:\Protected”
```



2.6 Enforce an Internet Connection options

/CHECK “n”

This switch is used to enforce an Internet connection (it sets the frequency with which document validity is checked).

- When a specific number of days are required then *n* is set to that integer.
- To enforce an Internet connection every time the document is opened set the value to “always”. Users must be connected to the Internet to view your documents.

DEFAULT SETTINGS: INTERNET CONNECTION IS NOT ENFORCED

If this switch is not specified then users do not have to be online to view your documents (after the first check has been made users can view your documents offline)

Example 1: Enforce an Internet connection every 30 days

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /CHECK "30" /OUTPUT "C:\Protected"
```

Example 2: Enforce an Internet connection every time the protected document is opened

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /CHECK "always" /OUTPUT "C:\Protected"
```



2.7 Message options (unauthorized use & expiry)

/ADMESAGE "access denied"

This switch is used to provide the custom text displayed when a document is accessed by an unauthorized user.

DEFAULT SETTINGS: LOCKLIZARD MESSAGE TEXT IS DISPLAYED

If this switch is not specified then the LockLizard Unauthorized Use message is displayed telling the user they do not have access to the document.

Example: Display 'Access Denied' as the unauthorized access message

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /ADMESAGE "Access Denied" /OUTPUT "C:\Protected"
```

/ADURL "http://www.mywebsite.com/unauthorized-use.html"

This switch is used to direct the user to a custom URL (web page) when a document is accessed by an unauthorized user.

DEFAULT SETTINGS: LOCKLIZARD MESSAGE TEXT IS DISPLAYED

If this switch is not specified then the LockLizard Unauthorized Use message is displayed telling the user they do not have access to the document.

Example: Show the web page 'unauthorized-use.html' when the document is accessed by an unauthorized user.

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /ADURL "http://www.mywebsite.com/unauthorized-use.html"
```



/EXPIRYMESS "This document has now expired"

This switch is used to provide the custom text displayed when a document expires. It can be used in conjunction with the /EXPIRYSHOWBEFORE switch so that it is displayed *n* days before the document expires.

DEFAULT SETTINGS: LOCKLIZARD MESSAGE TEXT IS DISPLAYED

If this switch is not specified then the LockLizard Expiry message is displayed telling the user the document has expired.

Example: Display 'This document has now expired' as the expiry message

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /EXPIRY "30"
```

```
/EXPIRYMESS "This document has now expired" /OUTPUT "C:\Protected"
```

/EXPIRYURL "http://www.mywebsite.com/expiry.html"

This switch is used to direct the user to a custom URL (web page) when a document expires. It can be used in conjunction with the /EXPIRYSHOWBEFORE switch so that it is displayed *n* days before the document expires.

DEFAULT SETTINGS: LOCKLIZARD MESSAGE TEXT IS DISPLAYED

If this switch is not specified then the LockLizard Expiry message is displayed telling the user the document has expired.

Example: Show the web page 'expiry.html' when the document expires

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /EXPIRY "30" /EXPIRYURL
```

```
"http://www.mywebsite.com/expiry.html" /OUTPUT "C:\Protected"
```



/EXPIRYSHOWBEFORE "n"

This switch is used to show the expiry message or URL *n* days before a document expires.

DEFAULT SETTINGS: EXPIRY MESSAGE/URL IS DISPLAYED ON EXPIRY

If this switch is not specified then the expiry message or URL is displayed when the document has expired.

Example 1: Display 'This document will expire in 5 days time' as the expiry message 5 days before the document expires

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /EXPIRY "30"  
/EXPIRYMESS "This document will expire in 5 days time" /EXPIRYSHOWBEFORE  
"5" /OUTPUT "C:\Protected"
```

Example 2: Show the web page 'expiry.html' 5 days before the document expires

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /EXPIRY "30" /EXPIRYURL  
"http://www.mywebsite.com/expiry.html" /EXPIRYSHOWBEFORE "5" /OUTPUT  
"C:\Protected"
```



2.8 Splash Image options

`/SPLASH "c:\images\splash.jpg"`

Specifies the splash image that will be displayed when the document loads in the viewer.

Enter the path to the splash image. Image formats MUST be either .png or .jpg.

DEFAULT SETTINGS: LIZARD SAFEGUARD IMAGE

If this switch is not specified then the splash image displayed is the Lizard Safeguard image.

Example: Set the file mylogo.jpg to be displayed as the splash image

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /SPLASH  
"c:\images\mylogo.jpg" /OUTPUT "C:\Protected"
```

`/SPLASHSECS "5"`

Specifies how long the splash image will be displayed for.

DEFAULT SETTINGS: 3 SECONDS

If this switch is not specified then the splash image is displayed for is 3 seconds.

Example: Set the file mylogo.jpg to be displayed as the splash image and display for 10 seconds

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /SPLASH  
"c:\images\mylogo.jpg" /SPLASHSECS "10" /OUTPUT "C:\Protected"
```



/NODEFSPLASH

Specify this switch if you do NOT want a splash image to display.

DEFAULT SETTINGS: LIZARD SAFEGUARD SPLASH IMAGE IS DISPLAYED

If this switch is not specified then the Lizard Safeguard image is displayed as the splash image.

Example: Don't display a splash image

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /NODEFSPLASH /OUTPUT  
"C:\Protected"
```



2.9 Copy Protection Environment options

/COPYCLIPBOARD

This switch is used to ALLOW screen capture / copy clipboard programs to run and ENABLE the use of the Print Screen key.

DEFAULT SETTINGS: SCREEN CAPTURE IS PREVENTED

If this switch is not specified then use of print screen and common screen capture applications are not allowed to run whilst the Viewer is active.

Example: Screen capture utilities and use of the Print Screen key is enabled for these documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /COPYCLIPBOARD  
/OUTPUT "C:\Protected"
```

/MORESCREENPROTECTION

This switch enables the additional protection against all third party screen grabber applications. If you specify this switch, users will be unable to capture screenshots of your protected documents.

DEFAULT SETTINGS: ENHANCED SCREEN CAPTURE DISABLED

If this switch is not specified then only protection against Windows print screen and common screen grabbers will be applied.

Example: Most screen grabber applications will not be able to capture screenshots of your protected documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf"  
/MORESCREENPROTECTION /OUTPUT "C:\Protected"
```



/THINCLIENT

This switch is used to ALLOW the viewer to running in Citrix, Windows Terminal Server and other virtual environments.

DEFAULT SETTINGS: THIN CLIENT ENVIRONMENTS NOT ALLOWED

If this switch is not specified then opening a protected document in a thin client environments is NOT allowed.

Example: Protected documents can be used in Citrix, Windows Terminal Server and other virtual environments

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /THINCLIENT /OUTPUT  
"C:\Protected"
```

/NOMACVIEW

This switch is used to prevent the viewer from running in Macintosh operating system environments.

DEFAULT SETTINGS: MACINTOSH ENVIRONMENTS ARE ALLOWED

If this switch is not specified then documents can be opened on Macintosh operating systems.

Example: Documents cannot be opened in Macintosh environments.

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /NOMACVIEW /OUTPUT  
"C:\Protected"
```



2.10 Watermark options

NOTE: Whilst you can specify whether watermarks will be viewed and/or printed, the same watermark settings will be used for both printing and viewing. For example, if you enter watermark text or specify a location to a watermark image, this information is used for both viewed and printed watermarks (you cannot have different watermarks for viewing and printing).

/WMPRINT

This switch enables the addition of watermarks to the document when printed. If you use this switch it is assumed that you have also enabled printing for this document with the /PRINT switch. You will need to use additional switches to select your watermarking requirements.

DEFAULT SETTINGS: NO WATERMARKS ARE APPLIED

If this switch is not specified then no watermark will be applied when documents are printed.

Example: A watermark will be applied when a user prints the protected documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/OUTPUT "C:\Protected"
```

/WMVIEW

This switch enables the addition of watermarks on-screen when the document is viewed. You will need to use additional switches to select your watermarking requirements.

DEFAULT SETTINGS: NO WATERMARKS ARE APPLIED

If this switch is not specified then no watermark will be applied when documents are viewed.



Example: Displays a watermark when a user views the protected documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /WMVIEW /OUTPUT  
"C:\Protected"
```

/NOWMONFIRST

Selecting this switch prevents the application of a watermark to the first page of the document (whether it is printed or viewed on-screen). It assumes that you have authorized the use of watermarks.

DEFAULT SETTINGS: WATERMARK IS APPLIED TO FIRST PAGE

If this switch is not specified then a watermark is applied to the first page of a protected document.

Example 1: Prevents a watermark from being shown on the first page of viewed documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /WMVIEW  
/NOWMONFIRST /OUTPUT "C:\Protected"
```

Example 2: Prevents a watermark from being printed on the first page of printed documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/NOWMONFIRST /OUTPUT "C:\Protected"
```

/WMTEXT "Fixed Text {Variable}"

This switch allows you to set both fixed and variable text to be used in creating the watermark that is used either for printing or on-screen as determined by other switches.

The fixed text may be any text that you enter. The available variables are:

- {Publisher} - causes the company name and email address of the publisher to be shown as part of the watermark;



- {UserName} - causes the name and email address of the authorized user using the document to be shown as part of the watermark;
- {UserCompany} - causes the company name of the user to be shown as part of the watermark;
- {DateTime} – causes the user’s current PC date and time to be shown as part of the watermark.

DEFAULT SETTINGS:

If this switch is not specified then the variables {Publisher}, {UserName} and {DateTime} are automatically used when creating the watermark. No default fixed text is available.

Example 1: Show a watermark on printing with the authorized user’s name, date/time stamp, and the fixed text © LockLizard Limited

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© {Publisher}, licensed to {UserName}, printed on {DateTime}"  
/OUTPUT "C:\Protected"
```

Example 2: Show a watermark on viewing with the authorized user’s name, date/time stamp, and the fixed text © LockLizard Limited

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /WMVIEW /WMTEXT "©  
{Publisher}, licensed to {UserName}, printed on {DateTime}" /OUTPUT  
"C:\Protected"
```

/WMFONT "ARIAL, 10, B"

This switch allows you to specify the font type, size and style for the watermark text. Supported styles are normal (this is the default if bold or italic is not specified), bold (B), and italic (I) and Bold Italic (BI). You cannot set the font style without setting first the font name and size.

DEFAULT SETTINGS: TAHOMA, 9, B

If this switch is not specified then watermark text is displayed/printed in Tahoma 9 point, bold.



Example: Set the font type to Courier, size to 12 point and normal style

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© LockLizard Limited" /WMTCOLOR "0/0/255" /WMFONT  
"COURIER, 12" /OUTPUT "C:\Protected"
```

Example: Set the font type to Arial, size to 10 point and bold italic style

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© LockLizard Limited" /WMTCOLOR "0/0/255" /WMFONT "ARIAL,  
10, BI" /OUTPUT "C:\Protected"
```

/WMBEHIND

This switch is used to cause the watermark text to be placed behind the PDF content rather than on top of it.

DEFAULT SETTINGS: WATERMARK TEXT ON TOP

If this switch is not specified then the watermark text will be rendered on top of the PDF content.

Example: The watermark text will be printed behind the PDF content

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT "©  
{Publisher}, licensed to {UserName}, printed on {DateTime}" / WMBEHIND  
/OUTPUT "C:\Protected"
```

/WMTPOS "n"

This switch is used to specify where on the viewed or printed page the text watermark is to be positioned. The value of n is an integer with the following settings being applied:

- 0 – center
- 1 – top left
- 2 – top center
- 3 – top right



- 4 – bottom left
- 5 – bottom center
- 6 – bottom right
- 7 – top left and bottom left
- 8 – top center and bottom center
- 9 – top right and bottom right
- 10 – diagonally across the page
- 11 – top center, middle center, and bottom center

DEFAULT SETTINGS: 0 (CENTER)

If this switch is not specified then the watermark is displayed/printed in the center of the document.

Example: Place the text watermark at the bottom right of the page

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© LockLizard Limited" /WMTPOS "6" /OUTPUT "C:\Protected"
```

/WMTCOLOR "255/0/0"

This switch allows you to specify the watermark text color using the 'standard' R(ed)G(reen)B(lue) format in common use in Windows and Adobe based systems. A pantone rendition is not available. By way of example, pure green would be specified as /WMTCOLOR "0/255/0". Please note that if you want Black you should specify "0,0,0".

DEFAULT SETTINGS: 255/0/0 (RED FONT)

If this switch is not specified then watermark text is displayed/printed in red font.

Example: Set the watermark text color to blue

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© LockLizard Limited" /WMTCOLOR "0/0/255" /OUTPUT  
"C:\Protected"
```



/WMTBKCOLOR "255/0/0"

This switch is used to specify if there is a background color to be applied to the watermark text.

- For a specific color you MUST use the R(ed)G(reen)B(lue) system of color specification.

DEFAULT SETTINGS: TRANSPARENT BACKGROUND

If this switch is not specified then watermark text background color is transparent.

Example: Background color of the watermark text is yellow

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© LockLizard Limited" /WMTBKCOLOR "254/251/38" /OUTPUT  
"C:\Protected"
```

/WMTEXTOPAC

This switch is used to set the watermark text transparency. The value must be a number between 10 and 255. 10 indicates completely transparent while 255 indicates completely opaque.

DEFAULT SETTINGS: 255

If this switch is not specified then the watermark text is completely opaque (not transparent).

Example: For setting a transparency value of 128

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMTEXT "© LockLizard Limited" /WMTBCOLOR "0/0/255" /WMTEXTOPAC  
"128" /OUTPUT "C:\Protected"
```



`/WMIMAGE "c:\images\logo.jpg"`

This switch is used when you wish to include an image as a watermark either on printed copies or for on-screen viewing. It assumes that you have authorized the use of watermarks. The parameter **MUST** be the full path of the .jpg or .png file that will be incorporated into the protected file

Example: Use the image lizard.jpg from C:\images as a watermark when printing

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMIMAGE "C:\images\lizard.jpg" /OUTPUT "C:\Protected"
```

`/WMIPOS "n"`

This switch is used if you wish to position an image watermark on the viewed or printed page. The value is an integer which has the following meanings:

- 0 – center of page
- 1 – top left
- 2 – top center
- 3 – top right
- 4 – bottom left
- 5 – bottom center
- 6 – bottom right

DEFAULT SETTINGS: 0 (CENTER)

If this switch is not specified then the watermark image is displayed/printed in the center of the page.

Example: Image watermark is printed at the bottom right of the page

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMIMAGE "C:\images\lizard.jpg" /WMIPOS "6" /OUTPUT "C:\Protected"
```



/WMOPAC "100"

This switch is used to set the watermark image transparency. When using this switch it is highly recommended that you satisfy yourself that the value you enter, when combined with the behind/in front positioning of the watermark will give the result that you wish to achieve. This is most likely to require you to have used the manual GUI system in order to evaluate which settings are appropriate for your requirements for specific documents. The minimum opacity you can select is 10 (nearly completely transparent) and the maximum 255 (no transparency).

DEFAULT SETTINGS: 180

If this switch is not specified then the opacity value is set to 180 and is therefore semi-transparent.

Example: Set the opacity of the image watermark to 100 for all protected documents

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMIMAGE "C:\images\lizard.jpg" /WMOPAC "100" /OUTPUT "C:\Protected"
```

/WMIMGBEHIND

This switch is used to cause the watermark image to be placed behind the PDF content rather than on top of it.

DEFAULT SETTINGS: WATERMARK IMAGE ON TOP

If this switch is not specified the watermark will be rendered on top of the PDF content.

Example: The watermark will be printed behind the PDF content

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /PRINT /WMPRINT  
/WMIMAGE "C:\images\lizard.jpg" /WMIMGBEHIND /OUTPUT "C:\Protected"
```



2.11 Display Settings options

/VFULLSCREEN

This switch is used to display the document in full screen mode (the viewer window is not displayed but replaced with a black background).

DEFAULT SETTINGS: NORMAL DISPLAY MODE
If this switch is not specified then the viewer window is displayed.

Example: Documents are displayed in full screen mode

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VFULLSCREEN /OUTPUT  
"C:\Protected"
```

/VPAGEVIEW "n"

This switch is used to determine the page view mode - single page/continuous /facing. The value is an integer which has the following meanings:

- 0 – single page
- 1 – continuous
- 2 - facing

DEFAULT SETTINGS: CONTINUOUS PAGE DISPLAY
If this switch is not specified then scrolling through the document is continuous.

Example: Documents are displayed in single page view mode

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VPAGEVIEW "0"  
/OUTPUT "C:\Protected"
```



/VHIDEBOOKMARKS

This switch hides the bookmark panel.

DEFAULT SETTINGS: BOOKMARKS PANEL IS DISPLAYED
If this switch is not specified then the bookmarks panel is displayed.

Example: The bookmarks panel is NOT displayed

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VHIDEBOOKMARKS  
/OUTPUT "C:\Protected"
```

/VWIDTH "n" and /VHEIGHT "n"

These two switches **must** be used together to set the viewer window size in pixels. Note that you cannot use these switches with /VFULLSCREEN.

DEFAULT SETTINGS: MAXIMUM SCREEN SIZE
If this switch is not specified then the viewer window is displayed at the maximum size available.

Example: The viewer window is displayed at 800x600 pixels

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VWIDTH "800" /VHEIGHT  
"600" /OUTPUT "C:\Protected"
```

/VPAGESIZE "n"

This switch is used to specify the document (page) size - actual size/fit page/fit width or a custom zoom size.

NOTE: The maximum custom value supported is 250 (zoom at 250%)

0 - Actual size

1 - Fit page

2 - Fit width

any other value > 10 - custom zoom factor



DEFAULT SETTINGS: ACTUAL SIZE

If this switch is not specified then the document is shown at actual size.

Example: The document is shown at 95% zoom

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VPAGESIZE "95"  
/OUTPUT "C:\Protected"
```

/VFIRSTPAGE "n"

This switch is used to specify the page at which the document should be first opened.

DEFAULT SETTINGS: FIRST PAGE

If this switch is not specified then the document is opened at the first page.

Example: The document is opened at page 5

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VFIRSTPAGE "5"  
/OUTPUT "C:\Protected"
```

/VENFORCESETT

This switch is used to enforce display settings.

If this switch is used then the user cannot alter any of the display settings (controls in viewer will be disabled).

DEFAULT SETTINGS: DISPLAY SETTINGS ARE NOT ENFORCED

The viewer will open up with the selected settings but the user can change them if he/she wants to.

Example: Display settings are enforced in single page mode at 95% zoom with the bookmarks panel hidden from view

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VPAGEVIEW "0"  
/VPAGESIZE "95" /VHIDEBOOKMARKS /VENFORCESETT /OUTPUT  
"C:\Protected"
```



/VBRANDING

This switch is used to set the logo branding image link.

NOTE: This option is only applicable if it has been purchased and is therefore enabled on your account.

DEFAULT SETTINGS: CUSTOM LOGO IS NOT DISPLAYED

If this switch is not specified then the viewer will open up with LockLizard logo displayed in the right-hand corner of the Viewer window.

Example: Displays a custom logo image in the viewer

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /VBRANDING  
http://www.locklizard.com/logo.jpg /OUTPUT "C:\Protected"
```



2.12 Command Line Status Message options

/NOPROGRESS

This switch is used to prevent the Command Line utility from displaying a progress window. It is possible that the Command Line facility is being run from a PC and the progress of the PROTECT activity is important to the user who has set off the command (e.g. when used for testing purposes). At the same time, if the command has been given programmatically then it will be essential that progress is not displayed because there will be no corresponding session screen to be used for the display.

NOTE: If Command Line is being used in batch mode this switch **MUST** be present.

DEFAULT SETTINGS: PROGRESS WINDOW IS DISPLAYED

If this switch is not specified then the protection progress status will be shown for every PDF file that is protected.

Example: Prevents protection progress from being ‘displayed’ to screen

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /NOPROGRESS /OUTPUT  
"C:\Protected"
```

/NOSTATS

This switch is used to prevent the system from displaying the results of the protection activities to screen. If this switch is not set then Command Line will expect to have a terminal screen available to display the results of the batch run.

DEFAULT SETTINGS: RESULTS ARE DISPLAYED

If this switch is not specified then the protection results are displayed to screen at the end of the command.



Example: The results of the batch file commands are not displayed

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /NOSTATS /OUTPUT  
"C:\Protected"
```

/NOERRORS

This switch is used to prevent the system from displaying error results to screen. If this switch is not set then Command Line will display error messages.

NOTE: Using this option will disable all error messages including those shown when an invalid option or parameter have been used.

You are still required to use /NOSTATS and /NOPROGRESS if you want to hide the progress window and the status window in order to have completely silent processing.

DEFAULT SETTINGS: ERROR MESSAGES ARE DISPLAYED

If this switch is not specified then error messages are displayed to screen at the end of the command.

Example: Error messages are not displayed to screen

```
PDCWriter.exe PROTECT "C:\My Folder1\files\*.pdf" /NOERRORS /OUTPUT  
"C:\Protected"
```



2.13 Batch Upgrade options

Batch upgrading of PDC files to the latest document version can be performed using command line as per the instructions below. The /BATCHUP switch is used as a replacement to the /PROTECT switch.

/BATCHUP [files] [options]

This switch is used to update protected PDF documents (PDC) to the latest document version.

[files] = source full path with wildcard support (e.g. c:\folder*.pdc)

[options] = batch options, can be one or more of the following switches:

/NOPROGRESS - don't display the progress bar window (the progress window will be shown if this command is not used)

/NOBACKUP - don't create backups (file backups are automatically made if this command is not used)

Example: Documents are upgraded to the latest document version. No backups are made.

`PDCWriter.exe /BATCHUP "C:\My Folder1\files*.pdc" /NOBACKUP`