



FileOpen Watermark Syntax

Manual Version 4.13

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Watermarking Overview

The FileOpen Client implements watermarking in two ways:

- Marks under the page content (watermarks)
- Marks over the page content (stamps)

To use these features the server may define at most four viewing marks and four printing marks. The viewing marks are sent in the document permission answer; the printing marks are sent in the printing permissions answer

BNF like definition

An answer containing marks will look like:

```
Retval=...&<a_mark>&<a_mark>&...
```

Where:

```
<a_mark> ::= <header_keyword> "=" <list_of_pairs>
<list_of_pairs> ::= <template> "," {<decorations_list> ","} <text>
<decoration_list> ::= <decoration>
                        | <decoration_list> "," <decoration>
<template> ::= "template" "=" <a_template>
<text> ::= "text" "=" <a_text>
<header_keyword> ::= "markwater"
                    | "markstamp"
<a_template> ::= "header"
                | "footer"
                | "diagup"
                | "diagdown"
<decoration> ::= "align" "=" <a_text_alignment>
                | "fontname" "=" <a_font_name>
                | "fontsize" "=" <integer>
                | "pagepct" "=" <integer>
                | "fillcolor" "=" <a_color>
                | "fillgrey" "=" <integer>
                | "strkcolor" "=" <a_color>
                | "strkgrey" "=" <integer>
<a_text_alignment> ::= "left"
                    | "center"
                    | "right"
<a_font_name> ::= "Times-Roman"
                | "Helvetica"
                | "Courier"
                | "Symbol"
                | "Times-Bold"
                | "Helvetica-Bold"
                | "Courier-Bold"
                | "ZapfDingbats"
                | "Times-Italic"
```

```

| "Helvetica-Oblique"
| "Courier-Oblique"
| "Times-BoldItalic"
| "Helvetica-BoldOblique"
| "Courier-BoldOblique"
<a_color> ::= <integer> <sep> <integer> <sep> <integer>
<sep> ::= "-" | "." | " "
<a_text> ::= <string>
| <formal_string>
| <a_text> <string>
<formal_string> ::= "ldate"
| "ltime"
| "ldatetime"
| "ldatext"
| "gdate"
| "gtime"
| "gdatetime"
| "gdatext"
| "serid"
| "docid"
| "phyhost"
| "username"
| "userid"
| "machid"
| "diskid"
| "uuid"
| "prntname"
| "prntdriver"
| "prntport"

```

Usage

A mark list of pairs has three main components (pairs):

- A mandatory template pair defining the kind of the mark.
- An optional list of text decoration pairs. If they are missing the template default values will be used.
- A mandatory text pair which must be the last pair.

The header keyword meanings are:

- *markwater*: for a watermark ('under page content'). The mark is seen through the document text and it is hidden by images.
- *markstamp*: for a stamp ('over page content'). The mark hides the text and images of the page content.

The four supported templates usages are:

- *header* for an horizontal mark at the top of the page
- *footer* for an horizontal mark at the bottom of the page
- *diagup* for an diagonal mark from the bottom left to the top right of the page
- *diagdown* for an diagonal mark from the top left to the bottom right of the page

The text

- The font names are the 14 Acrobat standard fonts. No other font is supported.
- The font size is in points
- The page percent must be in the range 0..100. The text size is computed to occupy % of the page available space (height, width or diagonal)
- The *fillcolor* is used to fill the interior of the characters and the *strkcolor* is used to draw the border of the characters
- The *fillgrey* and *strkgrey*, integers in the range 0..100, are the density of the fill color and of the stroke color

Color

A color is defined by three integers in the 0..100 range separated by an hyphen, a dot or a space. These 3 values define the amounts of red, green and blue of the color

Formal strings

The mark string may contain formal strings which are substituted by actual values when the marks are built.

The replaced values of these formal strings are:

- *ldate* Local date
- *ltime* Local time
- *ldatetime* Local date and time
- *ldatetime* Local date and time in extended format "Monday"
- *gdate* Gmt/Utm date
- *gtime* Gmt/Utm time
- *gdatetime* Gmt/Utm date and time
- *gdatetime* Gmt/Utm date and time in extended format "Monday"
- *serid* Service Identifier
- *docid* Document Identifier
- *phyhost* Physical host name
- *username* User name
- *usersid* User SID
- *machid* Machine Identifier
- *diskid* Disk Identifier
- *uuid* Unique User Identifier
- *prntname* Printer Name
- *prntdriver* Printer Driver
- *prntport* Printer port

The date and time formats are those of the OS.

REM: to have a "<" in a mark text it must be escaped as "<<"