

**NAME**

textfmt – convert text to POSTSCRIPT® for facsimile transmission

**SYNOPSIS**

**/usr/local/sbin/textfmt** [ *options* ] [ *files...* ]

**DESCRIPTION**

*textfmt* takes ASCII text and generates formatted POSTSCRIPT® suitable for facsimile transmission. It is usually invoked as a filter program by the *sendfax*(1) program. Input files may be specified on the command line. If none are given, then *textfmt* will read from standard input.

By default, *textfmt* will generate an output document that is formatted with a single vertical column of text, set in a 10 point fixed width font, and with a simple page header that consists of the file name, last modification date, and the page number. Pages are generated according to the default page dimensions (see *pagesizes*(5F)). When multi-column output is requested, text is set by default with a 7 point fixed width font.

**OPTIONS**

Many of the options to *textfmt* have been chosen for compatibility with the Adobe Systems' *enscript* program; other options are for features that are not provided by *enscript*.

- 1** Set text in one column.
- 2** Set text two columns.
- B** Suppress page headers.
- c** Clip long text lines instead of wrapping them at page margins.
- D** Do not use ISO 8859-1 encoding in the generated POSTSCRIPT.
- f font** Set text using the POSTSCRIPT font named *font*.
- F fontdir(s)**  
Path(s) to afm font files.
- G** Use a gaudy-style page header.
- m cols**  
Set text in *cols* columns.
- Ml=#,r=#,t=#,b=#**  
Set the page margins; the default margins are: left and right .25 inch, top .85 inch, bottom .5 inch.
- o** Draw an outline around each column of text; the specified number defines the width of the line that is drawn.
- p pts** Set text using fonts with *pts* point size (integer only).
- r** Set pages rotated by 90 degrees (in "Landscape mode").
- R** Set pages unrotated (in "Portrait mode").
- s size** Set the output size according to the named page size. Images are normally created with a system-default page size (usually letter-size pages, 8.5" by 11", for sites in North America). Alternate page sizes are specified symbolically using either the name or abbreviation of an entry in the *pagesizes*(5F) database; e.g. *a3* (ISO A3), *a4* (ISO A4), *a5* (ISO A5), *a6* (ISO A6), *b4* (ISO B4), *na-let* (North American Letter), *us-leg* (American Legal), *us-led* (American Ledger), *us-exe* (American Executive), *jp-let* (Japanese Letter), and *jp-leg* (Japanese Legal). Comparisons are case-insensitive and any match of a substring of the full page-size name is sufficient; e.g. "legal" would match "American Legal".
- U** Reverse collate pages; that is the last page will appear first in the resultant POSTSCRIPT, then the next-to-last page, etc.

**-V spacing**

Set the line height; the default height is 1.2 x point size.

**CONFIGURATION PARAMETERS**

*textfmt* reads configuration information from the files */usr/local/lib/fax/hyla.conf*, and *~/.hylarc*; in that order. Configuration files follow the conventions described in *hylafax-client*(1). The following configuration parameters are recognized:

Tag	Type	Default	Description
Columns	integer	1	number of columns in formatted output
GaudyHeaders	boolean	No	enable/disable gaudy page headers
FontMap	string	<i>see below</i>	location of ghostscript Fontmap file
FontPath	string	<i>see below</i>	directory for font metric files
ISO8859	boolean	Yes	use ISO 8859-1 character encoding
LineWrap	boolean	Yes	wrap/truncate text lines
Orientation	string	portrait	orientation of text on page
OutlineMargin	inches	0	width of outline line
PageCollation	string	forward	collate pages in forward or reverse direction
PageHeaders	boolean	Yes	enable/disable page headers
PageHeight	float	-	output page height
PageMargins	string	<i>see below</i>	margins for formatted page
PageSize	string	default	output page size from database
PageWidth	float	-	output page width
TabStop	integer	8	inter-stop setting in characters
TextFontstring	Courier		name of font for setting text
TextLineHeight	inches	-	text formatting line height control
TextPointSize	inches	<i>see below</i>	size to use in setting text

The configuration parameters are explained below. Most parameters correspond to a command line option. Parameter values identified above as *inches* are converted according to the following conventions (where “#.##” is a decimal number):

###bp	big point (1in = 72bp)
###cc	cicero (1cc = 12dd)
###cm	centimeter
###dd	didot point (1157dd = 1238pt)
###in	inch
###mm	millimeter (10mm = 1cm)
###pc	pica (1pc = 12pt)
###pt	point (72.27pt = 1in)
###sp	scaled point (65536sp = 1pt)

Unit names can be upper or lower case but no white space is permitted between the number and the unit. Values specified with no unit are interpreted as big points.

**Columns** The number of columns to set text in. (Equivalent to the **-m** option.)

**FontMap** The directory or directories where the ghostscript Fontmap file(s) are located; multiple paths are separated by a colon (":"). The Fontmap table allows the translation of the descriptive name of the font (as used by the *TextFont* parameter) to the ghostscript font filenames. Setting the value to "" (zero length string) disables this translation and provides functionality with RIPs other than ghostscript.

**FontPath** The path where Adobe Font Metric (AFM) files are located; by default /home/mountie/.fonts:/usr/share/ghostscript/8.61/lib:/usr/share/ghostscript/8.61/Resource:/usr/share/ghostscript/fonts:/v (Equivalent to the **-F** option.)

**GaudyHeaders** Control whether or not to use a gaudy-style page header. (Equivalent to the **-G** option.)

<b>ISO8859</b>	Control the use of ISO 8859-1 encoding in the generated POSTSCRIPT (Equivalent to the <b>-D</b> option.)
<b>LineWrap</b>	Control whether long text lines are wrapper or truncated at the right hand margin. (Equivalent to the <b>-c</b> option.)
<b>Orientation</b>	Control whether pages are oriented horizontally (“landscape”) or vertically (“portrait”). (Equivalent to the <b>-r</b> and <b>-R</b> options.)
<b>OutlineMargin</b>	Control whether columns of text have a line drawn around them and the width of the line. Setting this parameter to 0 disables outlines. (Equivalent to the <b>-o</b> option.)
<b>PageCollation</b>	Control whether the output file has pages collated in the same order as the input file (“forward”) or in reverse order (“reverse”). (Equivalent to the <b>-U</b> option.)
<b>PageHeaders</b>	Control whether page headers are generated. (Equivalent to the <b>-B</b> option.)
<b>PageHeight</b>	Set the output page height in inches (in inches).
<b>PageMargins</b>	Set the output page dimensions. Dimensions are specified as string of the form: “ <b>l=#,r=#,t=#,b=#</b> ” where <b>l</b> indicates the left margin, <b>r</b> indicates the right margin, <b>t</b> indicates the top margin, <b>b</b> indicates the bottom margin, and numbers are interpreted as <i>inches</i> . (Equivalent to the <b>-M</b> option.)
<b>PageSize</b>	Set the output page dimensions by name. (Equivalent to the <b>-s</b> option.)
<b>PageWidth</b>	Set the output page width in inches (in inches).
<b>TabStop</b>	Set the tab stop distance; in characters.
<b>TextFont</b>	Set the descriptive name of font to use for setting text. (Equivalent to the <b>-f</b> option.)
<b>TextLineHeight</b>	Set the vertical text line height and spacing. (Equivalent to the <b>-V</b> option.)
<b>TextPointSize</b>	Set the point size to use in setting text. (Equivalent to the <b>-p</b> option.)

## NOTES

If *textfmt* is unable to locate font metric information for a font, then it will use a fixed-width metric that is 60% of the text point size; this metric will almost certainly result in incorrectly formatted POSTSCRIPT.

*textfmt* is distantly related to the *lptops* program written by Don Beebe.

## FILES

/usr/local/lib/fax/hyla.conf system-wide configuration file

~/hylarc per-user configuration file

/usr/local/lib/fax/pagesizes page size database

/home/mountie/.fonts:/usr/share/ghostscript/8.61/lib:/usr/share/ghostscript/8.61/Resource:/usr/share/ghostscript/fonts:/var/lib/c

## SEE ALSO

*hylafax-client(1)*, *sendfax(1)*, *pagesizes(5F)*