

**NAME**

nenscript – format an ASCII file and convert to PostScript

**SYNOPSIS**

```
nenscript [ -?12BdGghlNnRrsVWwZ ] [ -ffont ] [ -Ftitlefont ] [ -bheader ] [ -ifiletitle ] [ -Llines ] [ -pfilename ] [ -Pprinter ] [ -Sclassification ] [ -U1st_page_classification ] [ -Tpapertype ] [ -ttabstops ] [ -#copies ] [ file... ]
```

**DESCRIPTION**

Formats the specified ASCII files and produces PostScript output conforming to the Adobe Structuring Conventions. The output pages may be in landscape or portrait mode, with one or two columns, with or without headers.

If no input files are specified, then input is accepted from stdin.

Tabs in the input stream are expanded (by default) to eight character positions.

Formfeed (control-L) characters in the input stream cause a new page or column to be started. Form feed characters must be at the start of a line, or preceded only by whitespace. To make formfeeds work at any point in the line use the **-d** option.

PostScript output is directed to a printer using **lpr** unless otherwise specified using the **-p** option. The printer to use is set by the PRINTER environment variable. If this is not set, then the printer "Postscript" ("prn" for MSDOS) will be used.

Font specifications are formed from the font name and the font size, i.e. **Courier10** specifies a 10 point Courier font, and Courier-Bold12 specifies a bold, 12 point Courier font. Sizes can also be given with a decimal point, i.e. **Courier7.5** specifies a 7.5 point font, this might however result in a marginal error in the size calculations, since a linear approximation of the character width is done.

The NENSCRIPT environment variable may be used to set default values for most configurable attributes. Values set in this way will be overridden by any options specified on the commands line.

The current version of nenscript is 1.13.

**OPTIONS**

**-?**      **-h** Print usage message.

**-1**      Specifies single column output (default).

**-2**      Specifies two column output.

**-B**      Turns off page titles.

**-b***header*

Print the text specified by *header* as the title on each page, rather than the default header which is composed of the name of the source file, the current time and date and the page number. If in gaudy mode, the title is displayed in the blank area just above the file title.

**-d**      Handles formfeeds in the same way that a dot-matrix printer handles them. Thus a line with a formfeed in the middle prints the first part, starts a new page and then prints the rest of the same line on the first line of the page. In fact using this mode to get anything to print on the top line, it must be on the same line as the formfeed in the file.

**-f***font*    Use *font* for printing text. Only Courier in sizes 5 to 30 can be used for printing text. The default font is Courier10, unless two column landscape mode is specified in which case the

default font is Courier7.

**-F***titlefont*

Use *titlefont* for printing titles. Any font in any point size can be used for printing titles. The default font is Courier-Bold10.

**-G** Enable gaudy mode.

**-g** Disable gaudy mode (default).

**-i***filename*

Use the specified string as the displayed filename. Useful when inputting from stdin.

**-L***lines*

Set the maximum number of lines which will be printed per page or column. The actual number of lines which appear may be less depending upon the font and paper size.

**-l** Do not set a limit on the maximum number of lines per page, i.e. the number of lines is determined by the font size and the paper size (default).

**-N** Precede each line with it's line number relative to the start of the file.

**-n** Disable line numbering (default).

**-p***filename*

Direct the PostScript to *filename* rather than the default printer. If '-' is specified as the filename, then the PostScript is sent to stdout.

**-P***printer*

Overrides the PRINTER environment variable in determining the printer to spool output to. Ignored if -p is used.

**-R** Don't rotate the page, i.e. output in portrait mode (default).

**-r** Rotate the page, i.e. output in landscape mode.

**-S***classification*

Prints the string argument in Helvetica-Bold28 at the top and bottom of the page in conformance to regulations for printing classified material.

**-U***1st\_page\_classification*

Print a different classification header for the first page. Useful for marking banner sheets that need to be marked with a higher level of classification until the document can be reviewed and declassified.

**-s** Disable a previous heading specified with the -S option.

**-T***papertype*

Sets the output paper type as per the argument. At the moment, only two paper types are supported: A4 and US. The default paper size will be A4, unless the US\_VERSION define is specified at compilation time.

- tabsize*** Sets the number of columns to which tabs are expanded. The default is eight columns.
- V** Display information identifying the version of **nenscript**. **Nothing will be printed regardless of the other arguments.**
- W** Truncate lines which are wide for the page.
- w** Wrap lines which are too wide for the page onto successive lines (default). Continuation lines are marked with + character before the left margin.
- Z** Check the first two characters of the input for the character string %!. If a match is found, the input is copied directly to the output with no processing.
- #copies*** Print each page *copies* times.

## ENVIRONMENT

- PRINTER** Specifies the name of the printer to direct PostScript output to. If not set, the default is a printer named "PostScript".
- NENSCRIPT** If defined, this string is searched for valid options before the command line supplied by the user.

## BUGS

As **nenscript** does not have access to complete PostScript font tables, it must use some other technique for calculating the number of characters that fit across the page. The solution was to use a fixed table for the Courier font in a range of sizes. If this table was extended, other fonts and sizes could be used for printing text. Alternatively, if the text processing was done on the printer, then there would be no need to know anything about the font sizes...

No checking is performed on font names, other than checking that only Courier can be specified for the text font. If a font is specified that is not available on the final printer, the result is undetermined.

No checking is performed on the input file to detect accidental printing of garbage files. Caveat emptor!

No mapping of the input characters is performed, so output may vary depending upon the vagaries of downstream software and hardware.

No support for manual feed, page prefeed, mail upon completion or any of the other rarely used options of **enscript**.

No messages are displayed whilst processing.

Input line lengths are limited to 8192 characters after expansion of tabs.