NAME

mp – PostScript pretty printer

SYNOPSIS

mp [**–A4**] [**–C**] [**–F**] [**–L** *localename*] [**–PS**] [**–US**] [**–a**] [**–c** *chars*] [**–d**] [**–e**] [**–ff**] [**–fp**] [**–l**] [**–m**] [**–o**] [**–p** *prologue*] [**–s** *subject*] [**–tm**] [**–ts**] [**–v**] [**–w** *words*] [**–?**] [*filename*...]

DESCRIPTION

The **mp** program reads each *filename* in sequence and generates a prettified version of the contents in POSTSCRIPT format, sent to standard output. If no filename argument is provided, **mp** reads the standard input. If the standard input is a terminal, input is terminated by an EOF signal, usually Ctrl-D.

Mail items, news articles, ordinary ASCII files, complete mail folders, and digests are all acceptable input formats for **mp**. The output format includes grayscale lozenges containing banner information at the top and bottom of every page.

The program is conveniently used in conjunction with the print button of the **mailtool**(1) program, or the *pipe* command provided by **mail**(1). Add the following two lines to your **.mailrc** file:

set printmail='mp | lp'
set cmd="mp | lp &"

Source the **.mailrc** file, and you are ready to use **mp**. For printing ordinary ASCII files, the following alias (to be placed in your

alias print 'mp -o -s "\!*" <\!* | lp'

OPTIONS

–A4 Use A4 paper size (8.5 x 11.4 inches).

–C Instead of using "\nFrom" to denote the start of new mail messages, **mp** will look for (and use) the value of the Content-Length: mail header. If the Content-Length doesn't take you to the next "\nFrom", then it's wrong, and **mp** falls back to looking for the next "\nFrom" in the mail folder.

–F Instead of printing who the mail article is for, the top header will contain who the mail article is from. A useful option for people with their own personal printer.

–L *localename*
Provide the locale of the file to be printed. If this command line option is not present, then **mp** looks for the *MP_LANG* environment variable. If that is not present, then the *LANG* environment variable is used. If none of these options are present, then **mp** tries to determine the locale it is running in, and if it cannot, then it assumes it is running in the C locale, otherwise a prologue file specific to the given locale is prepended to the output. This is to provide I18N level 4 (multibyte) printing.

–PS If the mail or digest message just has PostScript as the text of the message, then this is normally just passed straight through. Specifying this option, causes PostScript to be printed as text.

–US Use US paper size (8.5 x 11 inches). This is the default paper size.

–a Format the file as a news article. The top banner contains the text: "Article from *newsgroup*", where *newsgroup is the first news group found on the Newsgroups: line.*

–c *chars*
: The maximum number of characters to extract from the gecos field of the users **/etc/passwd** entry. The default is 18.

–d Format the file as a digest.

–e Assume the ELM mail frontend intermediate file format. Used when printing messages from within ELM (using the "p" command), especially for printing tagged messages. This option must be specified in your ELM option setup.

–ff Format the file for use with a Filofax personal organiser.

–fp Format the file for use with a Franklin Planner personal organiser.

–l Format output in landscape mode. Two pages of text will be printed per sheet of paper.

–m Format the file as a mail folder, printing multiple messages.

–o Format the file as an ordinary ASCII file.

–p *prologue*
: Employ the file *prologue* as the POSTSCRIPT prologue file, overriding any previously defined file names.

–s *subject*
: Use *subject* as the new subject for the printout. If you are printing ordinary ASCII files which have been specified on the command line, the the subject will default to the name of each of these files.

–tm Format the file for use with the Time Manager personal organiser.

–ts format the file for use with the Time/System International personal organiser.

–v Print the version number of this release of *mp*.

–w *words*
: The maximum number of words to extract from the gecos field of the users */etc/passwd* entry. The default is 3.

–? Print the usage line for **mp** (note that the **?** character must be escaped if using **csh**(1)).

ENVIRONMENT VARIABLES

The **mp** prologue file is determined by first looking for the environment variable *MP_PROLOGUE*, which specifies the directory where **mp** prologue files are to be found. If *MP_PROLOGUE* is not found, then the default directory is assumed (*$OPENWINHOME/share/xnews/client/mp*).

mp also checks for the *MP_LANG* and *LANG* environment variables. If present, then a prologue file called (*$OPENWINHOME/lib/locale/***<***localename***>***/print/prolog.ps*) is prepended to the output to be printed.

SUPPLIED PROLOGUE FILES

The following prologue files are provided:

mp.pro.ps
: Used by default

mp.pro.ff.ps
Used if the −**ff** option is in effect

mp.pro.fp.ps
Used if the −**fp** option is in effect

mp.pro.tm.ps
Used if the −**tm** option is in effect

mp.pro.ts.ps
Used if the −**ts** option is in effect

mp.pro.alt.ps
An alternative modification of the default prologue file which outputs the page number in the right corner of the bottom banner.

FILES

.cshrc initialization file for **csh**(1)

.mailrc initialization file for **mail**(1)

$OPENWINHOME/bin/mp
executable

$OPENWINHOME/share/xnews/client/mp/mp.pro.ps
POSTSCRIPT prologue for mail printing

$OPENWINHOME/share/xnews/client/mp/mp.pro.l.ps
POSTSCRIPT prologue for landscape format

$OPENWINHOME/share/xnews/client/mp/mp.pro.alt.ps
alternative "default" POSTSCRIPT prologue, inserts page numbers in the bottom right corner of each page

$OPENWINHOME/share/xnews/client/mp/mp.pro.ff.ps
POSTSCRIPT prologue for Filofax format

LIBDIR/mp.pro.fp.ps
POSTSCRIPT prologue for Franklin Planner format.

$OPENWINHOME/share/xnews/client/mp/mp.pro.tm.ps
POSTSCRIPT prologue for Time Manager format

$OPENWINHOME/share/xnews/client/mp/mp.pro.ts.ps
POSTSCRIPT prologue for Time/System International format.

SEE ALSO

mail(1), **mailtool**(1),

AUTHORS

Original version by Steve Holden.

Converted to C, modified and maintained by Rich Burridge, SunSoft Inc, Mountain View.

Original modified to handle net news articles and MH mail by Bruno Pillard, Chorus Systemes, France.

Handling of mail digests added by Dave Glowacki of Public Works Computer Services, St Paul, MN.

Manual page revised by Rick Rodgers, UCSF School of Pharmacy, San Francisco.

Support for Personal Organiser printing style added by Douglas Buchanan, Sun Microsystems Europe.

Substantial modifications to header parsing by Jeremy Webber, Computer Science Department, University of Adelaide, Australia.

Support for printing multiple files and subject line filename print for ordinary ASCII files added by Sam Manoharan, Edinburgh University.

Support for landscape mode written by Michael Tuciarone.

Revision of the POSTSCRIPT structuring and the way that the prologue files are handled was included by Johan Vromans.

New style POSTSCRIPT prologue files by John Macdonald.

Support for the ISO8859 character set by Bertrand DeCouty.

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