NAME

mpsym – locates missing symbolic information in an mpatrol log file

SYNOPSIS

mpsym [*options*] [*progfile* [*logfile*]]

DESCRIPTION

The **mpsym** command is used to parse a log file produced by the mpatrol library and uses a debugger to append symbol names and source level information to code addresses in stack tracebacks. This should be used if the **USEDEBUG** option is not supported on a particular platform or does not work properly with a specific program. It will replace all existing symbols and source level information associated with the stack tracebacks in the mpatrol log file and will display the resulting log file on the standard output file stream.

The *progfile* argument must be the filename of the executable file that produced the mpatrol log file but if *progfile* is omitted then **mpsym** will use *a.out* as the name of the executable file to use. The **mpsym** command will read the symbol table and debugging sections from this file in order to map the code addresses that appear in the mpatrol log file into symbol names and source level information. If the executable file does not contain a symbol table then no symbol names will be available and if it does not contain the appropriate debugging sections then no source level information will be available either. Obviously, if the executable file is not the same as the one that created the mpatrol log file then the final output will be wrong.

The *logfile* argument must be a valid mpatrol log filename but if *logfile* is omitted then **mpsym** will use *mpatrol.log* as the name of the log file to use, or *progfile.log* if it can't find that. The **mpsym** command makes two passes over the log file so the file must be randomly-accessible.

The **mpsym** command currently uses **gdb** as the debugger with which to obtain the additional information about the code addresses in the mpatrol log file. It also makes use of several UNIX text processing commands, including **perl** if it is installed, in order to extract information from the debugger's output and from the log file. As a result, the **mpsym** command is only likely to work on UNIX platforms or on systems which have the necessary commands installed. By default, it is set up to work on 32-bit platforms, but this can be changed by altering the *POINTER* definition in the **mpsym** file itself (this is only necessary if **perl is not installed).**

OPTIONS

−−**help** [−**h**]

Displays a quick-reference option summary.

−−**version** [−**V**]

Displays the version number of the **mpsym** command.

SEE ALSO

mpatrol(1), **mprof**(1), **mptrace**(1), **mleak**(1), **mpedit**(1), **hexwords**(1), **gdb**(1), **perl**(1), **libmpatrol**(3), **libmpalloc**(3).

The mpatrol manual and reference card.

http://www.cbmamiga.demon.co.uk/mpatrol/

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