

The dld-link SUBR opcode

This opcode links in a relocatable object file or a library file. The return value is an error code.

(SUBR DLD-LINK *path*)

Path is the path of the file to be loaded expressed as a string.

Return-Code is a FIXP cell into which DLD-LINK places a return value. See below for possible values.

Opcode is #0250

The dld-unlink-by-file SUBR opcode

This opcode unlinks in a relocatable object file or a library file. The return value is an error code.

(SUBR DLD-UNLINK-BY-FILE *string hard-flag*)

String is the name of the file to be unlinked.

Hard-flag is zero if the file shouldn't be unlinked if it is referenced by others. A nonzero value means that the file should be unlinked regardless of other references.

Return-Code is a FIXP cell. See below for possible values.

Opcode is #o251

The dld-unlink-by-symbol SUBR opcode

This opcode unlinks in a relocatable object file or a library file. The return value is an error code.

(SUBR DLD-UNLINK-BY-SYMBOL *string*)

String is the name of a symbol contained in the file to be unlinked.

Hard-flag is zero if the file shouldn't be unlinked if it is referenced by others. A nonzero value means that the file should be unlinked regardless of other references.

Return-Code is a FIXP cell. See below for possible values.

Opcode is #o252

The dld-get-symbol SUBR opcode

This opcode returns a pointer to a symbol in C-space.

(SUBR DLD-GET-SYMBOL *string*)

String is the name of a symbol.

Opcode is #0253

The dld-get-func SUBR opcode

This opcode returns a pointer to a function in C-space.

(SUBR DLD-GET-FUNC *string*)

String is the name of a function.

Opcode is #0254

The dld-function-executable-p SUBR opcode

This opcode returns 0 if the function contains undefined references.

(SUBR DLD-FUNCTION-EXECUTABLE-P *string*)

String is the name of a function.

Opcode is #0255

The dld-list-undefined-sym SUBR opcode

This opcode returns returns a list of the undefined symbols in the system.

(SUBR DLD-LIST-UNDEFINED-SYM)

Opcode is #0256

The dld-create-reference SUBR opcode

This opcode forces the system to load the library containing this symbol.

(SUBR DLD-CREATE-REFERENCE *string*)

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0      Successful call and return.
-1     DLD-ENOFILE    cannot open file.
-2     DLD-EBADMAGIC bad magic number.
-3     DLD-EBADHEADER failiure reading header.
-4     DLD-ENOTEXT   premature end of file in text section.
-5     DLD-ENOSYMBOLS premature end of file in symbol section.
-6     DLD-ENOSTRINGS bad string table.
-7     DLD-ENOTEXTRELOC premature end of file in text relocation.
-8     DLD-ENODATA    premature end of file in data section.
-9     DLD-ENODATARELOC premature end of file in data relocation.
-10    DLD-EMULTDEFS  multiple definitions of symbol.
-11    DLD-EBADLIBRARY malformed library archive.
-12    DLD-EBADCOMMON common block not supported.
-13    DLD-EBADOBJECT malformed input file.
-14    DLD-EBADRELOC bad relocation info.
-15    DLD-ENOMEMORY vmem exhausted.
-16    DLD-EUNDEFSYM undefined symbol.
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