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9:
10: #ident "@(#)libelf:common/flag.c 1.6"
11:
12:
13: #ifdef __STDC__
14: #pragma weak elf_flagdata = _elf_flagdata
15: #pragma weak elf_flagehdr = _elf_flagehdr
16: #pragma weak elf_flagelf = _elf_flagelf
17: #pragma weak elf_flagphdr = _elf_flagphdr
18: #pragma weak elf_flagscn = _elf_flagscn
19: #pragma weak elf_flagshdr = _elf_flagshdr
20: #endif
21:
22:
23: #include "syn.h"
24: #include "libelf.h"
25: #include "decl.h"
26: #include "error.h"
27:
28:
29: unsigned
30: elf_flagdata(data, cmd, flags)
31:     Elf_Data *data;
32:     Elf_Cmd cmd;
33:     unsigned flags;
34: {
35:     if (data == 0)
36:         return 0;
37:     if (cmd == ELF_C_SET)
38:         return ((Dnode *)data)->db_uflags |= flags;
39:     if (cmd == ELF_C_CLR)
40:         return ((Dnode *)data)->db_uflags &= ~flags;
41:     _elf_err = EREQ_FLAG;
42:     return 0;
43: }
44:
45:
46: unsigned int
47: elf_flagehdr(elf, cmd, flags)
48:     Elf *elf;
49:     Elf_Cmd cmd;
50:     unsigned flags;
51: {
52:     if (elf == 0)
53:         return 0;
54:     if (cmd == ELF_C_SET)
55:         return elf->ed_ehflags |= flags;
56:     if (cmd == ELF_C_CLR)
57:         return elf->ed_ehflags &= ~flags;
58:     _elf_err = EREQ_FLAG;
59:     return 0;
60: }
61:
62:
63: unsigned
64: elf_flagelf(elf, cmd, flags)
65:     Elf *elf;
66:     Elf_Cmd cmd;
67:     unsigned flags;
68: {
69:     if (elf == 0)
70:         return 0;
71:     if (cmd == ELF_C_SET)
72:         return elf->ed_uflags |= flags;
73:     if (cmd == ELF_C_CLR)
74:         return elf->ed_uflags &= ~flags;
75:     _elf_err = EREQ_FLAG;
76:     return 0;
77: }
78:

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1: /*
2: flag.c - implementation of the elf_flag*(3) functions.
3: Copyright (C) 1995 Michael Riepe <riepe@ifwsn4.ifw.uni-hannover.de>
4:
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16: License along with this library; if not, write to the Free Software
17: Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
18: */
19:
20: #include <private.h>
21:
22: static unsigned
23: _elf_flag(unsigned *f, Elf_Cmd cmd, unsigned flags) {
24:     if (cmd == ELF_C_SET) {
25:         return *f |= flags;
26:     }
27:     if (cmd == ELF_C_CLR) {
28:         return *f &= ~flags;
29:     }
30:     seterr(ERROR_INVALID_CMD);
31:     return 0;
32: }
33:
34: unsigned
35: elf_flagdata(Elf_Data *data, Elf_Cmd cmd, unsigned flags) {
36:     Scn_Data *sd = (Scn_Data *)data;
37:
38:     if (!sd) {
39:         return 0;
40:     }
41:     elf_assert(sd->sd_magic == DATA_MAGIC);
42:     return _elf_flag(&sd->sd_data_flags, cmd, flags);
43: }
44:
45: unsigned
46: elf_flagehdr(Elf *elf, Elf_Cmd cmd, unsigned flags) {
47:     if (!elf) {
48:         return 0;
49:     }
50:     elf_assert(elf->e_magic == ELF_MAGIC);
51:     return _elf_flag(&elf->e_ehdr_flags, cmd, flags);
52: }
53:
54: unsigned
55: elf_flagelf(Elf *elf, Elf_Cmd cmd, unsigned flags) {
56:     if (!elf) {
57:         return 0;
58:     }
59:     elf_assert(elf->e_magic == ELF_MAGIC);
60:     return _elf_flag(&elf->e_elf_flags, cmd, flags);
61: }
62:
63: unsigned
64: elf_flagphdr(Elf *elf, Elf_Cmd cmd, unsigned flags) {
65:     if (!elf) {
66:         return 0;
67:     }
68:     elf_assert(elf->e_magic == ELF_MAGIC);
69:     return _elf_flag(&elf->e_phdr_flags, cmd, flags);
70: }
71:
72: unsigned
73: elf_flagscn(Elf_Scn *scn, Elf_Cmd cmd, unsigned flags) {
74:     if (!scn) {
75:         return 0;
76:     }
77:     elf_assert(scn->s_magic == SCN_MAGIC);
78:     return _elf_flag(&scn->s_scn_flags, cmd, flags);

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79:
80: unsigned
81: elf_flagphdr(elf, cmd, flags)
82:     Elf      *elf;
83:     Elf_Cmd  cmd;
84:     unsigned  flags;
85: {
86:     if (elf == 0)
87:         return 0;
88:     if (cmd == ELF_C_SET)
89:         return elf->ed_phflags != flags;
90:     if (cmd == ELF_C_CLR)
91:         return elf->ed_phflags &= ~flags;
92:     _elf_err = EREQ_FLAG;
93:     return 0;
94: }
95:
96:
97: unsigned
98: elf_flagscn(scn, cmd, flags)
99:     Elf_Scn  *scn;
100:    Elf_Cmd  cmd;
101:    unsigned  flags;
102: {
103:     if (scn == 0)
104:         return 0;
105:     if (cmd == ELF_C_SET)
106:         return scn->s_shflags != flags;
107:     if (cmd == ELF_C_CLR)
108:         return scn->s_shflags &= ~flags;
109:     _elf_err = EREQ_FLAG;
110:     return 0;
111: }
112:
113:
114: unsigned
115: elf_flagshdr(scn, cmd, flags)
116:     Elf_Scn  *scn;
117:     Elf_Cmd  cmd;
118:     unsigned  flags;
119: {
120:     if (scn == 0)
121:         return 0;
122:     if (cmd == ELF_C_SET)
123:         return scn->s_shflags != flags;
124:     if (cmd == ELF_C_CLR)
125:         return scn->s_shflags &= ~flags;
126:     _elf_err = EREQ_FLAG;
127:     return 0;
128: }
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79: }
80:
81: unsigned
82: elf_flagshdr(Elf_Scn *scn, Elf_Cmd cmd, unsigned flags) {
83:     if (!scn) {
84:         return 0;
85:     }
86:     elf_assert(scn->s_magic == SCN_MAGIC);
87:     return _elf_flag(&scn->s_shdr_flags, cmd, flags);
88: }
```