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3: /* All Rights Reserved */
4:
5: /* THIS IS UNPUBLISHED PROPRIETARY SOURCE CODE OF */
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7: /* The copyright notice above does not evidence any */
8: /* actual or intended publication of such source code. */
9:
10: #ident "@(#)libelf:common/getident.c 1.8"
11:
12:
13: #ifdef __STDC__
14: #pragma weak elf_getident = _elf_getident
15: #endif
16:
17:
18: #include "syn.h"
19: #include "libelf.h"
20: #include "decl.h"
21:
22:
23: char *
24: elf_getident(elf, ptr)
25:     Elf *elf;
26:     size_t *ptr;
27: {
28:     size_t sz = 0;
29:     char *id = 0;
30:
31:     if (elf != 0)
32:     {
33:         if (elf->ed_identsz != 0
34:             && _elf_cook(elf) == OK_YES
35:             && _elf_vm(elf, (size_t)0, elf->ed_identsz) == OK_YES)
36:         {
37:             id = elf->ed_ident;
38:             sz = elf->ed_identsz;
39:         }
40:     }
41:     if (ptr != 0)
42:         *ptr = sz;
43:     return id;
44: }

```

```

1: /* Retrieve file identification data.
2: Copyright (C) 1998, 1999, 2000, 2002, 2004 Red Hat, Inc.
3: Written by Ulrich Drepper <drepper@redhat.com>, 1998.
4:
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15: along with this program; if not, write to the Free Software Foundation,
16: Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA. */
17:
18: #ifdef HAVE_CONFIG_H
19: #include <config.h>
20: #endif
21:
22: #include <stddef.h>
23:
24: #include "libelf.h"
25:
26:
27: char *
28: elf_getident (elf, ptr)
29:     Elf *elf;
30:     size_t *ptr;
31: {
32:     /* In case this is no ELF file, the handle is invalid and we return
33:        NULL. */
34:     if (elf == NULL || elf->kind != ELF_K_ELF)
35:     {
36:         if (ptr != NULL)
37:             *ptr = 0;
38:         return NULL;
39:     }
40:
41:     /* We already read the ELF header. Return a pointer to it and store
42:        the length in *PTR. */
43:     if (ptr != NULL)
44:         *ptr = EI_NIDENT;
45:
46:     return (char *) (elf->class == ELFCLASS32
47:                     || (offsetof (struct Elf, state.elf32.ehdr)
48:                         == offsetof (struct Elf, state.elf64.ehdr))
49:                 ? elf->state.elf32.ehdr->e_ident
50:                 : elf->state.elf64.ehdr->e_ident);
51: }

```