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*****
1625 Thu Oct 4 09:42:46 2012
new/usr/src/cmd/getent/Makefile
3243 Add shadow support to getent(1)
*****
1 #
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19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
27 PROG= getent
28 #
29 include ../Makefile.cmd
30 #
31 CERRWARN += _gcc=-Wno-unused-variable
32 CERRWARN += _gcc=-Wno-implicit-function-declaration
33 #
34 OBJECTS= \
35     dogetethers.o \
36     dogetgr.o \
37     dogethost.o \
38     dogetipnodes.o \
39     dogetnet.o \
40     dogetnetmask.o \
41     dogetproject.o \
42     dogetproto.o \
43     dogetpw.o \
44     dogetsp.o \
45 #endif /* ! codereview */
46     dogetserv.o \
47     getent.o
48 #
49 SRCS= $(OBJECTS:.o=.c)
50 #
51 LDLIBS += -lsocket -lnsl -lproject
52 #
53 #
54 # for message catalog
55 #
56 POFILE= gettent.po
57 POFILES= $(SRCS:%.c=%.po)
58 #
59 .KEEP_STATE:
60 #
61 all: $(PROG)

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63 $(POFILE): $(POFILES)
64     $(RM) $@
65     cat $(POFILES) > $@
66 #
67 #
68 $(PROG): $(OBJECTS)
69     $(LINK.c) -o $@ $(OBJECTS) $(LDLIBS)
70     $(POST_PROCESS)
71 #
72 install: all $(ROOTPROG)
73 #
74 clean:
75     $(RM) $(OBJECTS)
76 #
77 lint: lint_SRCS
78 #
79 include ../Makefile.targ

```

```
*****
1558 Thu Oct 4 09:42:48 2012
new/usr/src/cmd/getent/dogetsp.c
3243 Add shadow support to getent(1)
*****
```

```
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19 * CDDL HEADER END
20 */

22 /*
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25  * Use is subject to license terms.
26 */

28 #include <stdio.h>
29 #include <shadow.h>
30 #include <stdlib.h>
31 #include <errno.h>
32 #include "getent.h"

34 /*
35  * getsppnam - get entries from shadow database
36  */
37 int
38 dogetsp(const char **list)
39 {
40     struct spwd *sp;
41     int rc = EXC_SUCCESS;
42     char *ptr;
43     uid_t uid;

44     if (list == NULL || *list == NULL) {
45         setspent();
46         while ((sp = getsppent()) != NULL)
47             (void) putsppent(sp, stdout);
48         endspent();
49     } else {
50         for (; *list != NULL; list++) {
51             sp = getsppnam(*list);
52             if (sp == NULL)
53                 rc = EXC_NAME_NOT_FOUND;
54             else
55                 (void) putsppent(sp, stdout);
56         }
57     }

58     return (rc);
59 }
61
```

```
62 }
63 #endif /* ! codereview */
```

```

*****
2525 Thu Oct 4 09:42:48 2012
new/usr/src/cmd/getent/getent.c
3243 Add shadow support to getent(1)
*****
_____unchanged_portion_omitted_____

43 static struct table t[] = {
44     { "passwd", dogetpw },
45     { "shadow", dogetsp },
46 #endif /* !codereview */
47     { "group", dogetgr },
48     { "hosts", dogethost },
49     { "ipnodes", dogetipnodes },
50     { "services", dogetserv },
51     { "protocols", dogetproto },
52     { "ethers", dogetethers },
53     { "networks", dogetnet },
54     { "netmasks", dogetnetmask },
55     { "project", dogetproject },
56     { NULL, NULL }
57 };

59 static void usage(void) __NORETURN;

61 int
62 main(int argc, const char **argv)
63 {
64     struct table *p;

66     (void) setlocale(LC_ALL, "");

68 #if !defined(TEXT_DOMAIN)
69 #define TEXT_DOMAIN "SYS_TEXT"
70 #endif

72     (void) textdomain(TEXT_DOMAIN);

74     cmdname = argv[0];

76     if (argc < 2)
77         usage();

79     for (p = t; p->name != NULL; p++) {
80         if (strcmp(argv[1], p->name) == 0) {
81             int rc;

83             rc = (*p->func>(&argv[2]));
84             switch (rc) {
85                 case EXC_SYNTAX:
86                     (void) fprintf(stderr,
87                                     gettext("Syntax error\n"));
88                     break;
89                 case EXC_ENUM_NOT_SUPPORTED:
90                     (void) fprintf(stderr,
91                                     gettext("Enumeration not supported on %s\n"), argv[1]);
92                     break;
93                 case EXC_NAME_NOT_FOUND:
94                     break;
95             }
96             exit(rc);
97         }
98     }
99     (void) fprintf(stderr, gettext("Unknown database: %s\n"), argv[1]);
100     usage();
101     /* NOTREACHED */

```

```

102 }

104 static void
105 usage(void)
106 {
107     (void) fprintf(stderr,
108                     gettext("usage: %s database [ key ... ]\n"), cmdname);
109     exit(EXC_SYNTAX);
110 }

```

new/usr/src/cmd/getent/getent.h

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1667 Thu Oct 4 09:42:49 2012

new/usr/src/cmd/getent/getent.h

3243 Add shadow support to getent(1)

```
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20 * CDDL HEADER END
21 */
22 /*
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24 * Use is subject to license terms.
25 */

27 #ifndef _GETENT_H
28 #define _GETENT_H

30 #pragma ident "%Z%M% %I% %E% SMI"

32 #ifdef __cplusplus
33 extern "C" {
34 #endif

36 #define TRUE 1
37 #define FALSE 0

39 #define EXC_SUCCESS 0
40 #define EXC_SYNTAX 1
41 #define EXC_NAME_NOT_FOUND 2
42 #define EXC_ENUM_NOT_SUPPORTED 3

44 extern int dogetpw(const char **);
45 extern int dogetsp(const char **);
46 #endif /* ! codereview */
47 extern int dogetgr(const char **);
48 extern int dogethost(const char **);
49 extern int dogetipnodes(const char **);
50 extern int dogetserv(const char **);
51 extern int dogetnet(const char **);
52 extern int dogetproto(const char **);
53 extern int dogetethers(const char **);
54 extern int dogetnetmask(const char **);
55 extern int dogetproject(const char **);

57 #ifdef __cplusplus
58 }
59 #endif

61 #endif /* _GETENT_H */
```

```

*****
5924 Thu Oct 4 09:42:50 2012
new/usr/src/man/man1m/getent.1m
3243 Add shadow support to getent(1)
*****
1 \" te
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6.TH GETENT 1M "Mar 26, 2007"
7.SH NAME
8 getent \- get entries from administrative database
9.SH SYNOPSIS
10.LP
11.nf
12 \fBgetent\fR \fR \fIidatabase\fR [\fIkey\fR]...
13.fi

15.SH DESCRIPTION
16.sp
17.LP
18 \fBgetent\fR gets a list of entries from the administrative database specified
19 by \fIidatabase\fR. The information generally comes from one or more of the
20 sources that are specified for the \fIidatabase\fR in \fB/etc/nsswitch.conf\fR.
21.sp
22.LP
23 \fIidatabase\fR is the name of the database to be examined. This can be
24 \fBpasswd\fR, \fBshadow\fR, \fBgroup\fR, \fBhosts\fR, \fBbipnodes\fR, \fBservices
25 \fBprotocols\fR, \fBbethers\fR, \fBproject\fR, \fBnetworks\fR, or
26 \fBnetmasks\fR. For each of these databases, \fBgetent\fR uses the appropriate
27 library routines described in \fBgetpwnam(3C), \fBgetspnam(3C), \fBgetgrna
28 library routines described in \fBgetpwnam(3C), \fBgetgrnam(3C),
29 \fBgethostbyaddr(3NSL), \fBgethostbyname(3NSL),
30 \fBgetipnodebyaddr(3SOCKET), \fBgetipnodebyname(3SOCKET),
31 \fBgetservbyname(3SOCKET), \fBgetprotobyname(3SOCKET),
32 \fBgetnetbyname(3SOCKET), respectively.
33.sp
34.LP
35 Each \fIkey\fR must be in a format appropriate for searching on the respective
36 database. For example, it can be a \fIusername\fR or \fInumeric-uid\fR for
37 \fBpasswd\fR; \fIhostname\fR or \fIIP\fR \fIaddress\fR for \fBhosts\fR; or
38 \fIservice\fR, \fIservice/protocol\fR, \fIport\fR, or \fIport/proto\fR for
39 \fBservices\fR.
40.sp
41.LP
42 \fBgetent\fR prints out the database entries that match each of the supplied
43 keys, one per line, in the format of the matching administrative file:
44 \fBpasswd(4), \fBshadow(4), \fBgroup(4), \fBproject(4), \fBhosts(4),
45 \fBservices(4), \fBprotocols(4), \fBbethers(3SOCKET),
46 \fBnetworks(4), or \fBnetmasks(4). If no key is given, all entries
47 returned by the corresponding enumeration library routine, for example,
48 \fBgetpwent()\fR or \fBgethostent()\fR, are printed. Enumeration is not
49 supported on \fBbipnodes\fR.
50.SS "Key Interpretation for \fBpasswd\fR and \fBgroup\fR Databases"
51.sp
52.LP
53 When \fBgetent\fR is invoked with database set to \fBpasswd\fR, each key value
54 is processed as follows:
55.RS +4
56.TP
57.ie t \(\bu
58.el o

```

```

59 If the key value consists only of numeric characters, \fBgetent\fR assumes that
60 the key value is a numeric user ID and searches the user database for a
61 matching user ID.
62.RE
63.RS +4
64.TP
65.ie t \(\bu
66.el o
67 If the user ID is not found in the user database or if the key value contains
68 any non-numeric characters, \fBgetent\fR assumes the key value is a user name
69 and searches the user database for a matching user name.
70.RE
71.sp
72.LP
73 Similarly, when \fBgetent\fR is invoked with database set to \fBgroup\fR, each
74 key value is processed as follows:
75.RS +4
76.TP
77.ie t \(\bu
78.el o
79 If the key value consists only of numeric characters, \fBgetent\fR assumes that
80 the key value is a numeric group ID and searches the group database for a
81 matching group ID.
82.RE
83.RS +4
84.TP
85.ie t \(\bu
86.el o
87 If the group ID is not found in the \fBgroup\fR database or if the key value
88 contains any non-numeric characters, \fBgetent\fR assumes the key value is a
89 group name and searches the \fBgroup\fR database for a matching group name.
90.RE
91.SH EXIT STATUS
92.sp
93.LP
94 The following exit values are returned:
95.sp
96.ne 2
97.na
98 \fB\FB0\fR
99.ad
100.RS 5n
101 Successful completion.
102.RE

104.sp
105.ne 2
106.na
107 \fB\FB1\fR
108.ad
109.RS 5n
110 Command syntax was incorrect, an invalid option was used, or an internal error
111 occurred.
112.RE

114.sp
115.ne 2
116.na
117 \fB\FB2\fR
118.ad
119.RS 5n
120 At least one of the specified entry names was not found in the database.
121.RE

123.sp
124.ne 2

```

```

125 .na
126 \fb\fb3\fr\fr
127 .ad
128 .RS 5n
129 There is no support for enumeration on this database.
130 .RE

```

```

132 .SH FILES
133 .sp
134 .ne 2
135 .na
136 \fb\fb/etc/nsswitch.conf\fr\fr
137 .ad
138 .RS 22n
139 name service switch configuration file
140 .RE

```

```

142 .sp
143 .ne 2
144 .na
145 \fb\fb/etc/passwd\fr\fr
146 .ad
147 .RS 22n
148 password file
149 .RE

```

```

151 .sp
152 .ne 2
153 .na
154 \fb\fb/etc/shadow\fr\fr
155 .ad
156 .RS 22n
157 shadowed password file
158 .RE

```

```

160 .sp
161 .ne 2
162 .na
163 #endif /* ! codereview */
164 \fb\fb/etc/group\fr\fr
165 .ad
166 .RS 22n
167 group file
168 .RE

```

```

170 .sp
171 .ne 2
172 .na
173 \fb\fb/etc/inet/hosts\fr\fr
174 .ad
175 .RS 22n
176 IPv4 and IPv6 host name database
177 .RE

```

```

179 .sp
180 .ne 2
181 .na
182 \fb\fb/etc/services\fr\fr
183 .ad
184 .RS 22n
185 Internet services and aliases
186 .RE

```

```

188 .sp
189 .ne 2
190 .na

```

```

191 \fb\fb/etc/project\fr\fr
192 .ad
193 .RS 22n
194 project file
195 .RE

```

```

197 .sp
198 .ne 2
199 .na
200 \fb\fb/etc/protocols\fr\fr
201 .ad
202 .RS 22n
203 protocol name database
204 .RE

```

```

206 .sp
207 .ne 2
208 .na
209 \fb\fb/etc/ethers\fr\fr
210 .ad
211 .RS 22n
212 Ethernet address to hostname database or domain
213 .RE

```

```

215 .sp
216 .ne 2
217 .na
218 \fb\fb/etc/networks\fr\fr
219 .ad
220 .RS 22n
221 network name database
222 .RE

```

```

224 .sp
225 .ne 2
226 .na
227 \fb\fb/etc/netmasks\fr\fr
228 .ad
229 .RS 22n
230 network mask database
231 .RE

```

```

233 .SH SEE ALSO

```

```

234 .sp
235 .LP
236 \fbethers\fr(3SOCKET), \fbgetgrnam\fr(3C), \fbgethostbyaddr\fr(3NSL),
237 \fbgethostbyname\fr(3NSL), \fbgethostent\fr(3NSL),
238 \fbgetipnodebyaddr\fr(3SOCKET), \fbgetipnodebyname\fr(3SOCKET),
239 \fbgetnetbyname\fr(3SOCKET), \fbgetprojbyname\fr(3PROJECT),
240 \fbgetprotobyname\fr(3SOCKET), \fbgetpwnam\fr(3C),
241 \fbgetservbyname\fr(3SOCKET), \fbgroup\fr(4), \fbhosts\fr(4),
242 \fbnetmasks\fr(4), \fbnetworks\fr(4), \fbnsswitch.conf\fr(4), \fbpasswd\fr(4),
243 \fbproject\fr(4), \fbprotocols\fr(4), \fbservices\fr(4), \fbattributes\fr(5)

```