

new/usr/src/cmd/getent/Makefile

1

1657 Mon Mar 17 20:31:14 2014

new/usr/src/cmd/getent/Makefile

3243 Add shadow support to getent(1)

```
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```

```
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26 #
```

```
28 PROG= getent
```

```
30 include ../Makefile.cmd
```

```
32 CERRWARN += _gcc=-Wno-unused-variable
33 CERRWARN += _gcc=-Wno-implicit-function-declaration
```

```
35 OBJECTS= \
36 dogetethers.o \
37 dogetgr.o \
38 dogethost.o \
39 dogetipnodes.o \
40 dogetnet.o \
41 dogetnetmask.o \
42 dogetproject.o \
43 dogetproto.o \
44 dogetpw.o \
45 dogetsp.o \
46 dogetserv.o \
47 getent.o
```

```
49 SRCS= $(OBJECTS:.o=.c)
```

```
51 LDLIBS += -lsocket -lnsl -lproject
```

```
53 #
54 # for message catalog
55 #
56 POFILE= gettent.po
57 POFILES= $(SRCS:%.c=%.po)
```

```
59 .KEEP_STATE:
```

```
61 all: $(PROG)
```

new/usr/src/cmd/getent/Makefile

2

```
63 $(POFILE): $(POFILES)
64 $(RM) $@
65 cat $(POFILES) > $@
```

```
68 $(PROG): $(OBJECTS)
69 $(LINK.c) -o $@ $(OBJECTS) $(LDLIBS)
70 $(POST_PROCESS)
```

```
72 install: all $(ROOTPROG)
```

```
74 clean:
75 $(RM) $(OBJECTS)
```

```
77 lint: lint_SRCS
```

```
79 include ../Makefile.targ
```

```

*****
1591 Mon Mar 17 20:31:14 2014
new/usr/src/cmd/getent/dogetsp.c
3243 Add shadow support to getent(1)
*****

```

```

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27 */

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

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

47     if (list == NULL || *list == NULL) {
48         setspent();
49         while ((sp = getsptent()) != NULL)
50             (void) putsptent(sp, stdout);
51         endsptent();
52     } else {
53         for (; *list != NULL; list++) {
54             sp = getsptent(*list);
55             if (sp == NULL)
56                 rc = EXC_NAME_NOT_FOUND;
57             else
58                 (void) putsptent(sp, stdout);
59         }
60     }

```

```

62         return (rc);
63     }

```

new/usr/src/cmd/getent/getent.c

1

```
*****
2525 Mon Mar 17 20:31:14 2014
new/usr/src/cmd/getent/getent.c
3243 Add shadow support to getent(1)
*****
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26  */
27 #pragma ident      "%Z%M% %I%      %E% SMI"
28 #include <stdlib.h>
29 #include <stdio.h>
30 #include <string.h>
31 #include <locale.h>
32 #include <unistd.h>
33 #include "getent.h"
34
35 static const char *cmdname;
36
37 struct table {
38     char    *name;          /* name of the table */
39     int     (*func)(const char **); /* function to do the lookup */
40 };
41
42 static struct table t[] = {
43     { "passwd",    dogetpw },
44     { "shadow",   dogetsp },
45     { "group",    dogetgr },
46     { "hosts",    dogethost },
47     { "ipnodes",  dogetipnodes },
48     { "services", dogetserv },
49     { "protocols", dogetproto },
50     { "ethers",   dogetethers },
51     { "networks", dogetnet },
52     { "netmasks", dogetnetmask },
53     { "project",  dogetproject },
54     { NULL,      NULL }
55 };
_____unchanged_portion_omitted_____
```

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

1

1664 Mon Mar 17 20:31:14 2014

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

3243 Add shadow support to getent(1)

```
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22 /*
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26  */

28 #ifndef _GETENT_H
29 #define _GETENT_H

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

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

35 #define TRUE      1
36 #define FALSE     0

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

43 extern int dogetpw(const char **);
44 extern int dogetsp(const char **);
45 extern int dogetgr(const char **);
46 extern int dogethost(const char **);
47 extern int dogetipnodes(const char **);
48 extern int dogetserv(const char **);
49 extern int dogetnet(const char **);
50 extern int dogetproto(const char **);
51 extern int dogetethers(const char **);
52 extern int dogetnetmask(const char **);
53 extern int dogetproject(const char **);

55 #ifdef __cplusplus
56 }
57 #endif

59 #endif /* _GETENT_H */
```

5958 Mon Mar 17 20:31:14 2014

new/usr/src/man/man1m/getent.1m

3243 Add shadow support to getent(1)

```

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6  .\" When distributing Covered Code, include this CDDL HEADER in each file and in
7  .TH GETENT 1M "Mar 14, 2014"
8  .TH GETENT 1M "Mar 26, 2007"
9  .SH NAME
10 getent \- get entries from administrative database
11 .SH SYNOPSIS
12 .LP
13 \fBgetent\fR \fR \fR \fR [\fR]...
14 .fi

16 .SH DESCRIPTION
17 .sp
18 .LP
19 \fBgetent\fR gets a list of entries from the administrative database specified
20 by \fR. The information generally comes from one or more of the
21 sources that are specified for the \fR in \fR/etc/nsswitch.conf\fR.
22 .sp
23 .LP
24 \fR is the name of the database to be examined. This can be
25 \fBpasswd\fR, \fBshadow\fR, \fBgroup\fR, \fBhosts\fR, \fBipnodes\fR, \fBservices
26 \fBpasswd\fR, \fBgroup\fR, \fBhosts\fR, \fBipnodes\fR, \fBservices\fR,
27 \fBprotocols\fR, \fBbethers\fR, \fBproject\fR, \fBnetworks\fR, or
28 \fBnetmasks\fR. For each of these databases, \fBgetent\fR uses the appropriate
29 library routines described in \fBgetpwnam(3C), \fBgetspnam(3C), \fBgetgrna
30 library routines described in \fBgetpwnam(3C), \fBgetipnodebyname(3C),
31 \fBgethostbyaddr(3NSL), \fBgethostbyname(3NSL),
32 \fBgetipnodebyaddr(3SOCKET), \fBgetipnodebyname(3SOCKET),
33 \fBgetservbyname(3SOCKET), \fBgetprotobyname(3SOCKET),
34 \fBbethers(3SOCKET), \fBgetprojbyname(3PROJECT) and
35 \fBgetnetbyname(3SOCKET), respectively.
36 .sp
37 .LP
38 Each \fR must be in a format appropriate for searching on the respective
39 database. For example, it can be a \fR or \fR for
40 \fBpasswd\fR; \fR or \fR for \fBhosts\fR; or
41 \fR, \fR, or \fR for
42 \fBservices\fR.
43 .sp
44 .LP
45 \fBgetent\fR prints out the database entries that match each of the supplied
46 keys, one per line, in the format of the matching administrative file:
47 \fBpasswd(4), \fBshadow(4), \fBgroup(4), \fBproject(4), \fBhosts(4)(
48 \fBpasswd(4), \fBgroup(4), \fBproject(4), \fBhosts(4),
49 \fBservices(4), \fBprotocols(4), \fBbethers(4), \fBnetworks(4),
50 \fBnetmasks(4). If no key is given, all entries
51 returned by the corresponding enumeration library routine, for example,
52 \fBgetpwent()\fR or \fBgethostent()\fR, are printed. Enumeration is not
53 supported on \fBipnodes\fR.
54 .SS "Key Interpretation for \fBpasswd\fR and \fBgroup\fR Databases"
55 .sp
56 .LP
57 When \fBgetent\fR is invoked with database set to \fBpasswd\fR, each key value
58 is processed as follows:
59 .RS +4
60 .TP
61 .ie t \(\bu
62 .el o
63 If the key value consists only of numeric characters, \fBgetent\fR assumes that
64 the key value is a numeric user ID and searches the user database for a
65 matching user ID.
66 .RE
67 .RS +4
68 .TP
69 .ie t \(\bu
70 .el o
71 If the user ID is not found in the user database or if the key value contains
72 any non-numeric characters, \fBgetent\fR assumes the key value is a user name
73 and searches the user database for a matching user name.
74 .RE
75 .RS +4
76 .TP
77 .ie t \(\bu
78 .el o
79 Similarly, when \fBgetent\fR is invoked with database set to \fBgroup\fR, each
80 key value is processed as follows:
81 .RS +4
82 .TP
83 .ie t \(\bu
84 .el o
85 If the key value consists only of numeric characters, \fBgetent\fR assumes that
86 the key value is a numeric group ID and searches the group database for a
87 matching group ID.
88 .RE
89 .RS +4
90 .TP
91 .ie t \(\bu
92 .el o
93 If the group ID is not found in the \fBgroup\fR database or if the key value
94 contains any non-numeric characters, \fBgetent\fR assumes the key value is a
95 group name and searches the \fBgroup\fR database for a matching group name.
96 .RE
97 .SH EXIT STATUS
98 .sp
99 .LP
100 The following exit values are returned:
101 .RS 5n
102 .na
103 .ad
104 .RS 5n
105 .na
106 .ad
107 .RS 5n
108 .na
109 .ad
110 .RS 5n
111 .na
112 .ad
113 .RS 5n
114 .na
115 .ad
116 .RS 5n
117 .na
118 .ad
119 .RS 5n
120 .na
121 .ad
122 .RS 5n
123 .na

```

```

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

```

```

124 .sp
125 .ne 2
126 .na
127 \fB\fB3\fR\fR
128 .ad
129 .RS 5n
130 There is no support for enumeration on this database.
131 .RE

```

```

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

```

```

143 .sp
144 .ne 2
145 .na
146 \fB\fB/etc/passwd\fR\fR
147 .ad
148 .RS 22n
149 password file
150 .RE

```

```

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

```

```

161 .sp
162 .ne 2
163 .na
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 \fB\bethers\fR(3SOCKET), \fB\bgetgrnam\fR(3C), \fB\bgethostbyaddr\fR(3NSL),
237 \fB\bgethostbyname\fR(3NSL), \fB\bgethostent\fR(3NSL),
238 \fB\bgetipnodebyaddr\fR(3SOCKET), \fB\bgetipnodebyname\fR(3SOCKET),
239 \fB\bgetnetbyname\fR(3SOCKET), \fB\bgetprojbyname\fR(3PROJECT),
240 \fB\bgetprotobyname\fR(3SOCKET), \fB\bgetpwnam\fR(3C),
241 \fB\bgetservbyname\fR(3SOCKET), \fB\bgroup\fR(4), \fB\bhosts\fR(4),
242 \fB\bnetmasks\fR(4), \fB\bnetworks\fR(4), \fB\bnsswitch.conf\fR(4), \fB\bpasswd\fR(4),
243 \fB\bproject\fR(4), \fB\bprotocols\fR(4), \fB\bsservices\fR(4), \fB\battributes\fR(5)

```