

new/usr/src/cmd/cmd-inet/usr.sbin/in.routed/main.c

1

```
*****
26656 Mon Mar 27 17:24:28 2017
new/usr/src/cmd/cmd-inet/usr.sbin/in.routed/main.c
Remove include userdefs.h where not needed
*****
1 /*
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32 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
33 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
34 * SUCH DAMAGE.
35 *
36 * $FreeBSD: src/sbin/routed/main.c,v 1.14 2000/08/11 08:24:38 sheldonh Exp $
37 * char copyright[] = "@(#) Copyright (c) 1983, 1988, 1993\n"
38 * " The Regents of the University of California. All rights reserved.\n";
39 */

41 #include "defs.h"
42 #include "pathnames.h"
43 #include <signal.h>
44 #include <fcntl.h>
45 #include <sys/file.h>
46 #include <userdefs.h>
46 #include <sys/stat.h>

48 #define IN_ROUTED_VERSION "2.22"

50 int stopint;
51 boolean_t supplier; /* supply or broadcast updates */
52 boolean_t supplier_set;
53 /* -S option. _B_TRUE=treat all RIP speakers as default routers. */
54 boolean_t save_space = _B_FALSE;

56 static boolean_t default_gateway; /* _B_TRUE=advertise default */
57 static boolean_t background = _B_TRUE;
58 boolean_t righthosts; /* _B_TRUE=reduce host routes */
59 boolean_t mhome; /* _B_TRUE=want multi-homed host route */
60 boolean_t advertise_mhome; /* _B_TRUE=must continue advertising it */
```

new/usr/src/cmd/cmd-inet/usr.sbin/in.routed/main.c

2

```
61 boolean_t auth_ok = _B_TRUE; /* _B_TRUE=ignore auth if we don't care */
62 boolean_t no_install; /* _B_TRUE=don't install in kernel */

64 struct timeval epoch; /* when started */
65 struct timeval clk;
66 static struct timeval prev_clk;
67 static int usec_fudge;
68 struct timeval now; /* current idea of time */
69 /* If a route's rts_time is <= to now_stale, the route is stale. */
70 time_t now_stale;
71 /* If a route's rts_time is <= to now_expire, the route is expired */
72 time_t now_expire;
73 /* If a route's rts_time is <= to now_garbage, the route needs to be deleted */
74 time_t now_garbage;

76 static struct timeval next_bcast; /* next general broadcast */
77 struct timeval no_flash = { /* inhibit flash update */
78 EPOCH+SUPPLY_INTERVAL, 0
79 };

unchanged_portion_omitted
```

new/usr/src/cmd/oamuser/group/Makefile

1

```
*****
2064 Mon Mar 27 17:24:28 2017
new/usr/src/cmd/oamuser/group/Makefile
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
1 #
2 # CDDL HEADER START
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4 # The contents of this file are subject to the terms of the
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6 # You may not use this file except in compliance with the License.
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17 # information: Portions Copyright [yyyy] [name of copyright owner]
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19 # CDDL HEADER END
20 #
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22 # Use is subject to license terms.
23 #
24 # Copyright (c) 2013 RackTop Systems.
25 #
26 # cmd/oamuser/group/Makefile
27 #

29 include ../../Makefile.cmd

31 GROUPADD=      groupadd
32 GROUPDEL=      groupdel
33 GROUPMOD=      groupmod

35 SBINPROG=      $(GROUPADD)  $(GROUPDEL)  $(GROUPMOD)

37 PROG=          $(SBINPROG)

39 ADD_OBJ=       groupadd.o   add_group.o   messages.o
40 DEL_OBJ=       groupdel.o   del_group.o   messages.o
41 MOD_OBJ=       groupmod.o   mod_group.o   messages.o

43 OBJECTS=       $(ADD_OBJ)   $(DEL_OBJ)   $(MOD_OBJ)
44 SRCS=          $(OBJECTS:.o=.c)

46 LIBDIR=        ../lib
47 LIBUSRGRP=     $(LIBDIR)/lib.a
48 LOCAL=         ../inc
49 HERE=          .
50 LINTFLAGS=     -u

52 INSSBINPROG=   $(SBINPROG:%=$(ROOTUSRSBIN)/%)

54 CPPFLAGS=      -I$(HERE) -I$(LOCAL) $(CPPFLAGS.master)
55 FILEMODE=      0555

57 $(GROUPADD) := OBJS = $(ADD_OBJ)
58 $(GROUPADD) := LDLIBS += $(LIBUSRGRP) -luserdefs -lcmdutils
58 $(GROUPADD) := LDLIBS += $(LIBUSRGRP) -lcmdutils

60 $(GROUPDEL) := OBJS = $(DEL_OBJ)
```

new/usr/src/cmd/oamuser/group/Makefile

2

```
61 $(GROUPDEL) := LDLIBS += $(LIBUSRGRP)

63 $(GROUPMOD) := OBJS = $(MOD_OBJ)
64 $(GROUPMOD) := LDLIBS += $(LIBUSRGRP) -luserdefs
64 $(GROUPMOD) := LDLIBS += $(LIBUSRGRP)

66 all:           $(PROG)

68 $(PROG):       $$$(OBJ)S $$$(LIBUSRGRP)
69                $(LINK.c) $(OBJ)S -o $$@ $(LDLIBS)
70                $(POST_PROCESS)

72 $(GROUPADD):   $(ADD_OBJ)
73 $(GROUPMOD):   $(MOD_OBJ)
74 $(GROUPDEL):   $(DEL_OBJ)

76 install:      all $(INSSBINPROG)

78 clean:
79                $(RM) $(OBJECTS)

81 lint:         lint_SRCS

83 include ../../Makefile.targ
```

```

*****
3185 Mon Mar 27 17:24:28 2017
new/usr/src/cmd/oamuser/user/Makefile
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
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21 #
22 # Copyright (c) 1990, 2010, Oracle and/or its affiliates. All rights reserved.
23 # Copyright (c) 2013 RackTop Systems.
24 # Copyright (c) 2013 Gary Mills
25 #
26 # cmd/oamuser/user/Makefile
27 #

29 DEFAULTFILES= useradd.dfl

31 include ../../Makefile.cmd

33 GREP=          grep

35 USERADD=       useradd
36 USERDEL=       userdel
37 USERMOD=       usermod
38 ROLEADD=       roleadd
39 ROLEDEL=       roledel
40 ROLEMOD=       rolemod

42 SBINPROG=      $(USERADD)  $(USERDEL)  $(USERMOD)
43 #
44 #      Removing sysadm: deleted $(SYSADMPROG) from this target.
45 #
46 PROG=          $(SBINPROG)
47 PRODUCT=       $(PROG)

49 ADD_OBJ=       useradd.o    homedir.o    groups.o     call_pass.o \
50                userdefs.o   messages.o   val_lgrp.o   funcs.o \
51                val_lprj.o    proj.o

53 DEL_OBJ=       userdel.o    call_pass.o  homedir.o   isbusy.o \
54                groups.o     messages.o   funcs.o     proj.o

56 MOD_OBJ=       usermod.o    movedir.o   groups.o    homedir.o \
57                call_pass.o  isbusy.o    userdefs.o  \
58                messages.o   val_lgrp.o  funcs.o     val_lprj.o \
59                proj.o

61 OBJECTS=       $(ADD_OBJ)    $(DEL_OBJ)  $(MOD_OBJ)

```

```

63 SRCS=          $(OBJECTS:.o=.c)

65 LIBDIR=        ../lib
66 LIBUSRGRP=     $(LIBDIR)/lib.a
67 LIBADM=        -ladm
68 LOCAL=         ../inc
69 HERE=          .
70 LINTFLAGS=     -u

72 ROOTSKEL=      $(ROOTETC)/skel
73 INSSBINPROG=   $(SBINPROG:%=$(ROOTUSRSBIN)/%)
74 INSSKELFILE=   $(SKELFILE:%=$(ROOTSKEL)/%)

76 CPPFLAGS=      -I$(HERE) -I$(LOCAL) $(CPPFLAGS.master)
77 CERRWARN +=    -_gcc=-Wno-implicit-function-declaration

79 $(INSSBINPROG) := FILEMODE = 0555
80 $(INSSYADMPROG) := FILEMODE = 0500
81 $(INSSKELFILE) := FILEMODE = 0644

83 $(USERADD) :=  OBJS = $(ADD_OBJ)
84 $(USERADD) :=  LIBS = $(LIBUSRGRP)
85 $(USERADD) :=  LDLIBS += -lcmdutils

87 $(USERDEL) :=  OBJS = $(DEL_OBJ)
88 $(USERDEL) :=  LIBS = $(LIBUSRGRP)

90 $(USERMOD) :=  OBJS = $(MOD_OBJ)
91 $(USERMOD) :=  LIBS = $(LIBUSRGRP)

93 LDLIBS +=      -luserdefs -lbsm -lnsl -lsecdb -lproject -lzfs -ltsol
93 LDLIBS +=      -lbsm -lnsl -lsecdb -lproject -lzfs -ltsol

95 .PARALLEL:    $(OBJECTS)

97 all:          $(PRODUCT)

99 $(PROG):       $$$(OBJ) $$$(LIB)
100               $(LINK.c) $(OBJ) -o $@ $(LIB) $(LDLIBS)
101               $(POST_PROCESS)

103 $(USERADD):   $(ADD_OBJ)
104 $(USERMOD):   $(MOD_OBJ)
105 $(USERDEL):   $(DEL_OBJ)

107 install:      all $(ROOTETCDEFAULTFILES) .WAIT \
108                $(ROOTSKEL) $(INSSBINPROG) $(INSSKELFILE)
109                $(RM) $(ROOTUSRSBIN)/$(ROLEADD)
110                $(LN) $(ROOTUSRSBIN)/$(USERADD) $(ROOTUSRSBIN)/$(ROLEADD)
111                $(RM) $(ROOTUSRSBIN)/$(ROLEDEL)
112                $(LN) $(ROOTUSRSBIN)/$(USERDEL) $(ROOTUSRSBIN)/$(ROLEDEL)
113                $(RM) $(ROOTUSRSBIN)/$(ROLEMOD)
114                $(LN) $(ROOTUSRSBIN)/$(USERMOD) $(ROOTUSRSBIN)/$(ROLEMOD)

116 clean:
117               $(RM) $(OBJECTS)

119 lint:          lint_SRCS

121 include ../../Makefile.targ

```

```

*****
11871 Mon Mar 27 17:24:29 2017
new/usr/src/cmd/oamuser/user/funcs.c
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
_____unchanged_portion_omitted_____

99 #define NKEYS    (sizeof (keys)/sizeof (ua_key_t))

101 /* Import default keys for ordinary useradd */
102 void
103 import_def(struct userdefs *ud)
104 {
105     int i;

107     /* Don't import the user type (skip i = 0) */
108     for (i = 1; i < NKEYS; i++) {
109         if (keys[i].newvalue == NULL)
110             keys[i].newvalue =
111                 userdef_get_by_uakey(ud, keys[i].key);
112     }
113 }

115 /* Export command line keys to defaults for useradd -D */
116 void
117 update_def(struct userdefs *ud)
118 {
119     int i;

121     for (i = 0; i < NKEYS; i++) {
122         if (keys[i].newvalue != NULL)
123             userdef_set_by_uakey(ud, keys[i].key,
124                                 keys[i].newvalue);
125     }
126 }

128 /*
129 * Change a key, there are three different call sequences:
130 *
131 *         key, value      - key with option letter, value.
132 *         NULL, value    - -K key=value option.
133 */

135 void
136 change_key(const char *key, char *value)
137 {
138     int i;
139     const char *res;

141     if (key == NULL) {
142         key = value;
143         value = strchr(value, '=');
144         /* Bad value */
145         if (value == NULL) {
146             errmsg(M_INVALID_VALUE);
147             exit(EX_BADARG);
148         }
149         *value++ = '\0';
150     }

152     for (i = 0; i < NKEYS; i++) {
153         if (strcmp(key, keys[i].key) == 0) {
154             if (keys[i].newvalue != NULL) {
155                 /* Can't set a value twice */
156                 errmsg(M_REDEFINED_KEY, key);
157                 exit(EX_BADARG);

```

```

158     }
160     if (keys[i].check != NULL &&
161         (res = keys[i].check(value)) != NULL) {
162         errmsg(M_INVALID, res, keys[i].errstr);
163         exit(EX_BADARG);
164     }
165     keys[i].newvalue = value;
166     nkeys++;
167     return;
168 }
169 }
170 errmsg(M_INVALID_KEY, key);
171 exit(EX_BADARG);
172 }
_____unchanged_portion_omitted_____

```

new/usr/src/cmd/oamuser/user/funcs.h

1

1601 Mon Mar 27 17:24:29 2017

new/usr/src/cmd/oamuser/user/funcs.h

Add libuserdefs and use in cmd/{oamuser,passwd}

```
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19 *
20 * CDDL HEADER END
21 */
22 /*
23 * Copyright 1999,2002-2003 Sun Microsystems, Inc. All rights reserved.
24 * Use is subject to license terms.
25 */
```

```
27 #ifndef _FUNCS_H
28 #define _FUNCS_H
```

```
30 #ifdef __cplusplus
31 extern "C" {
32 #endif
```

```
34 #define CMD_PREFIX_USER "user"
```

```
36 #define AUTH_SEP      ", "
37 #define PROF_SEP      ", "
38 #define ROLE_SEP      ", "
```

```
40 #define MAX_TYPE_LENGTH 64
```

```
42 char *getusertype(char *cmdname);
```

```
44 int is_role(char *usertype);
```

```
46 struct userdefs;
47 void import_def(struct userdefs *ud);
48 void update_def(struct userdefs *ud);
49 void change_key(const char *, char *);
50 void addkey_args(char **, int *);
51 char *getsetdefval(const char *, char *);
```

```
53 extern int nkeys;
```

```
55 /* create_home() or rm_files() flags */
56 #define MANAGE_ZFS_OPT "MANAGE_ZFS="
57 #define MANAGE_ZFS 1
```

```
59 #ifdef __cplusplus
60 }
```

unchanged_portion_omitted

```

*****
18060 Mon Mar 27 17:24:29 2017
new/usr/src/cmd/oamuser/user/useradd.c
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
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17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
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21 /*
22  * Copyright (c) 2013 Gary Mills
23  *
24  * Copyright 2008 Sun Microsystems, Inc. All rights reserved.
25  * Use is subject to license terms.
26 */

28 /*      Copyright (c) 1984, 1986, 1987, 1988, 1989 AT&T */
29 /*      All Rights Reserved      */

31 /*
32  * Copyright (c) 2013 RackTop Systems.
33 */

35 #include      <sys/types.h>
36 #include      <sys/stat.h>
37 #include      <sys/param.h>
38 #include      <stdio.h>
39 #include      <stdlib.h>
40 #include      <ctype.h>
41 #include      <limits.h>
42 #include      <string.h>
43 #include      <userdefs.h>
44 #include      <errno.h>
45 #include      <project.h>
46 #include      <unistd.h>
47 #include      <user_attr.h>
48 #include      <libcmdutils.h>
49 #include      "users.h"
50 #include      "messages.h"
51 #include      "userdisp.h"
52 #include      "funcs.h"

54 /*
55  * useradd [-u uid [-o] | -g group | -G group [[, group]...]
56  *          [-d dir [-m [-z|Z]]]
57  *          [-s shell | -c comment | -k skel_dir | -b base_dir ]
58  *          [-A authorization [, authorization ...]]
59  *          [-P profile [, profile ...]]
60  *          [-K key=value ]
61  *          [-R role [, role ...]] [-p project [, project ...]] login

```

```

62  * useradd -D [ -g group ] [ -b base_dir | -f inactive | -e expire |
63  *          -s shell | -k skel_dir ]
64  *          [-A authorization [, authorization ...]]
65  *          [-P profile [, profile ...]] [ -K key=value ]
66  *          [-R role [, role ...]] [-p project [, project ...]] login
67  *
68  * This command adds new user logins to the system. Arguments are:
69  *
70  * uid - an integer
71  * group - an existing group's integer ID or char string name
72  * dir - home directory
73  * shell - a program to be used as a shell
74  * comment - any text string
75  * skel_dir - a skeleton directory
76  * base_dir - a directory
77  * login - a string of printable chars except colon(:)
78  * authorization - One or more comma separated authorizations defined
79  *                  in auth_attr(4).
80  * profile - One or more comma separated execution profiles defined
81  *            in prof_attr(4)
82  * role - One or more comma-separated role names defined in user_attr(4)
83  * project - One or more comma-separated project names or numbers
84  *
85 */

87 extern struct userdefs *getusrdef();
88 extern void dispusrdef();

90 static void cleanup();

92 extern int check_perm(), valid_expire();
93 extern int putusrdef(), valid_uid();
94 extern int call_passmgmt(), edit_group(), create_home();
95 extern int edit_project();
96 extern int **valid_lgroup();
97 extern projid_t **valid_lproject();
98 extern void update_def(struct userdefs *);
99 extern void import_def(struct userdefs *);
100 extern int get_default_zfs_flags();

101 static uid_t uid; /* new uid */
102 static char *logname; /* login name to add */
103 static struct userdefs *usrdefs; /* defaults for useradd */

104 char *cmdname;

106 static char homedir[ PATH_MAX + 1 ]; /* home directory */
107 static char gidstring[32]; /* group id string representation */
108 static gid_t gid; /* gid of new login */
109 static char uidstring[32]; /* user id string representation */
110 static char *uidstr = NULL; /* uid from command line */
111 static char *base_dir = NULL; /* base_dir from command line */
112 static char *group = NULL; /* group from command line */
113 static char *grps = NULL; /* multi groups from command line */
114 static char *dir = NULL; /* home dir from command line */
115 static char *shell = NULL; /* shell from command line */
116 static char *comment = NULL; /* comment from command line */
117 static char *skel_dir = NULL; /* skel dir from command line */
118 static long inact; /* inactive days */
119 static char *inactstr = NULL; /* inactive from command line */
120 static char inactstring[10]; /* inactivity string representation */
121 static char *expirestr = NULL; /* expiration date from command line */
122 static char *projects = NULL; /* project id's from command line */

124 static char *usertype = NULL; /* type of user, either role or normal */

```

new/usr/src/cmd/oamuser/user/useradd.c

3

```
126 typedef enum {
127     BASEDIR = 0,
128     SKELDIR,
129     SHELL
130 } path_opt_t;
_____ unchanged_portion_omitted
```

```

*****
4414 Mon Mar 27 17:24:29 2017
new/usr/src/cmd/oamuser/user/userdefs.c
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
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29 /*      All Rights Reserved */

31 /*
32 * Copyright (c) 2013 RackTop Systems.
33 */

35 /*LINTLIBRARY*/

37 #include <sys/types.h>
38 #include <stdio.h>
39 #include <string.h>
40 #include <userdefs.h>
41 #include <user_attr.h>
42 #include <limits.h>
43 #include <stdlib.h>
44 #include <stddef.h>
45 #include <time.h>
46 #include <unistd.h>
47 #include "userdisp.h"
48 #include "funcs.h"
49 #include "messages.h"

51 /* Print out a NL when the line gets too long */
52 #define PRINTNL() \
53     if (outcount > 40) { \
54         outcount = 0; \
55         (void) fprintf(fp, "\n"); \
56     }

58 #define SKIPWS(ptr) while (*ptr && (*ptr == ' ' || *ptr == '\t')) ptr++

60 static char *dup_to_nl(char *);

```

```

62 static struct userdefs defaults = {
63     DEFRID, DEFGROUP, DEFGNAME, DEFPARENT, DEFSKEL,
64     DEFSHL, DEFINACT, DEFEXPIRE, DEFAUTH, DEFPFROF,
65     DEFROLE, DEFPROJ, DEFPROJNAME, DEFLIMPRIV,
66     DEFDFLTPRIV, DEFLOCK_AFTER_RETRIES
67 };

69 #define INT    0
70 #define STR    1
71 #define PROJID 2

73 #define DEFOFF(field)      offsetof(struct userdefs, field)
74 #define FIELD(up, pe, type)  (*(type *)((char *)up) + (pe)->off))

76 typedef struct parsent {
77     const char *name; /* deffoo= */
78     const size_t nmsz; /* length of def= string (excluding \0) */
79     const int type; /* type of entry */
80     const ptrdiff_t off; /* offset in userdefs structure */
81     const char *uakey; /* user_attr key, if defined */
82 } parsent_t;

84 static const parsent_t tab[] = {
85     { GIDSTR, sizeof(GIDSTR) - 1, INT, DEFOFF(defgroup) },
86     { GNAMSTR, sizeof(GNAMSTR) - 1, STR, DEFOFF(defgname) },
87     { PARSTR, sizeof(PARSTR) - 1, STR, DEFOFF(defparent) },
88     { SKLSTR, sizeof(SKLSTR) - 1, STR, DEFOFF(defskel) },
89     { SHELLSTR, sizeof(SHELLSTR) - 1, STR, DEFOFF(defshell) },
90     { INACTSTR, sizeof(INACTSTR) - 1, INT, DEFOFF(definact) },
91     { EXPIRESTR, sizeof(EXPIRESTR) - 1, STR, DEFOFF(defexpire) },
92     { AUTHSTR, sizeof(AUTHSTR) - 1, STR, DEFOFF(defauth),
93     USERATTR_AUTHS_KW },
94     { ROLESTR, sizeof(ROLESTR) - 1, STR, DEFOFF(defrole),
95     USERATTR_ROLES_KW },
96     { PROFSTR, sizeof(PROFSTR) - 1, STR, DEFOFF(defprof),
97     USERATTR_PROFILES_KW },
98     { PROJSTR, sizeof(PROJSTR) - 1, PROJID, DEFOFF(defproj) },
99     { PROJNMSTR, sizeof(PROJNMSTR) - 1, STR, DEFOFF(defprojname) },
100    { LIMPRSTR, sizeof(LIMPRSTR) - 1, STR, DEFOFF(deflimpriv),
101    USERATTR_LIMPRIV_KW },
102    { DFLTPRSTR, sizeof(DFLTPRSTR) - 1, STR, DEFOFF(defdfltpriv),
103    USERATTR_DFLTPRIV_KW },
104    { LOCK_AFTER_RETRIESSTR, sizeof(LOCK_AFTER_RETRIESSTR) - 1,
105    STR, DEFOFF(deflock_after_retries),
106    USERATTR_LOCK_AFTER_RETRIES_KW },
107 };

109 #define NDEF (sizeof(tab) / sizeof(parsent_t))

111 FILE *defptr; /* default file - fptr */

113 static const parsent_t *
114 scan(char **start_p)
115 {
116     static int ind = NDEF - 1;
117     char *cur_p = *start_p;
118     int lastind = ind;

120     if (!*cur_p || *cur_p == '\n' || *cur_p == '#')
121         return (NULL);

123     /*
124     * The magic in this loop is remembering the last index when
125     * reentering the function; the entries above are also used to
126     * order the output to the default file.
127     */

```



```

128     do {
129         ind++;
130         ind %= NDEF;

132         if (strncmp(cur_p, tab[ind].name, tab[ind].nmsz) == 0) {
133             *start_p = cur_p + tab[ind].nmsz;
134             return (&tab[ind]);
135         }
136     } while (ind != lastind);

138     return (NULL);
139 }

```

```

58 /*
59 * getusrdef - get the user defaults file for the type of
60 * user entry (user or role). See libuserdefs
142 * getusrdef - access the user defaults file. If it doesn't exist,
143 * then returns default values of (values in userdefs.h):
144 *
145 *   defrid = 100
146 *   defgroup = 1
147 *   defgname = other
148 *   defparent = /home
149 *   defskel = /usr/sadm/skel
150 *   defshell = /bin/sh
151 *   definact = 0
152 *   defexpire = 0
153 *   defauth = 0
154 *   defprof = 0
155 *   defrole = 0
156 *
157 *   If getusrdef() is unable to access the defaults file, it
158 *   returns a NULL pointer.
159 *
160 *   If user defaults file exists, then getusrdef uses values
161 *   in it to override the above values.
61 */

```

```

63 struct userdefs *
64 getusrdef(char *usertype)
65 {
66     struct userdefs *ud;
166     char instr[512], *ptr;
167     const parsent_t *pe;

68     if (is_role(usertype))
69         ud = _get_roledefs();
70     else
71         ud = _get_userdefs();
169     if (is_role(usertype)) {
170         if ((defptr = fopen(DEFROLEFILE, "r")) == NULL) {
171             defaults.defshell = DEFROLESHL;
172             defaults.defprof = DEFROLEPROF;
173             return (&defaults);
174         }
175     } else {
176         if ((defptr = fopen(DEFFILE, "r")) == NULL)
177             return (&defaults);
178     }

```

```

73     return (ud);
180     while (fgets(instr, sizeof (instr), defptr) != NULL) {
181         ptr = instr;

183         SKIPWS(ptr);

185         if (*ptr == '#')

```

```

186         continue;

188         pe = scan(&ptr);

190         if (pe != NULL) {
191             switch (pe->type) {
192                 case INT:
193                     FIELD(&defaults, pe, int) =
194                         (int)strtol(ptr, NULL, 10);
195                     break;
196                 case PROJID:
197                     FIELD(&defaults, pe, projid_t) =
198                         (projid_t)strtol(ptr, NULL, 10);
199                     break;
200                 case STR:
201                     FIELD(&defaults, pe, char *) = dup_to_nl(ptr);
202                     break;
203             }
204         }
205     }

207     (void) fclose(defptr);

209     return (&defaults);
74 }

```

```

212 static char *
213 dup_to_nl(char *from)
214 {
215     char *res = strdup(from);
217     char *p = strchr(res, '\n');
218     if (p)
219         *p = '\0';

221     return (res);
222 }

```

```

76 void
77 dispusrdef(FILE *fptr, unsigned flags, char *usertype)
78 {
79     struct userdefs *deflts = getusrdef(usertype);
80     int outcount = 0;

82     /* Print out values */

84     if (flags & D_GROUP) {
85         outcount += fprintf(fptr, "group=%s,%ld ",
86                             deflts->defgname, deflts->defgroup);
87         PRINTNL();
88     }

90     if (flags & D_PROJ) {
91         outcount += fprintf(fptr, "project=%s,%ld ",
92                             deflts->defprojname, deflts->defproj);
93         PRINTNL();
94     }

96     if (flags & D_BASEDIR) {
97         outcount += fprintf(fptr, "basedir=%s ", deflts->defparent);
98         PRINTNL();
99     }

101     if (flags & D_RID) {
102         outcount += fprintf(fptr, "rid=%ld ", deflts->defrid);
103         PRINTNL();

```

```

104     }
106     if (flags & D_SKEL) {
107         outcount += fprintf(fp, "skel=%s ", deflts->defskel);
108         PRINTNL();
109     }
111     if (flags & D_SHELL) {
112         outcount += fprintf(fp, "shell=%s ", deflts->defshell);
113         PRINTNL();
114     }
116     if (flags & D_INACT) {
117         outcount += fprintf(fp, "inactive=%d ", deflts->definact);
118         PRINTNL();
119     }
121     if (flags & D_EXPIRE) {
122         outcount += fprintf(fp, "expire=%s ", deflts->defexpire);
123         PRINTNL();
124     }
126     if (flags & D_AUTH) {
127         outcount += fprintf(fp, "auths=%s ", deflts->defauth);
128         PRINTNL();
129     }
131     if (flags & D_PROF) {
132         outcount += fprintf(fp, "profiles=%s ", deflts->defprof);
133         PRINTNL();
134     }
136     if ((flags & D_ROLE) &&
137         (is_role(usertype))) {
138         outcount += fprintf(fp, "roles=%s ", deflts->defrole);
139         PRINTNL();
140     }
142     if (flags & D_LPRIV) {
143         outcount += fprintf(fp, "limitpriv=%s ",
144             deflts->deflimpriv);
145         PRINTNL();
146     }
148     if (flags & D_DPRIV) {
149         outcount += fprintf(fp, "defaultpriv=%s ",
150             deflts->defdfldrpriv);
151         PRINTNL();
152     }
154     if (flags & D_LOCK) {
155         outcount += fprintf(fp, "lock_after_retries=%s ",
156             deflts->deflock_after_retries);
157     }
159     if (outcount > 0)
160         (void) fprintf(fp, "\n");
161 }
163 /*
164  * putusrdef -
165  *   changes default values in defadduser file
166  */
167 int
168 putusrdef(struct userdefs *defs, char *usertype)
169 {

```

```

170     FILE *fp = NULL; /* default file - fptr */
171     boolean_t locked = B_FALSE;
172     int res;
173     int ex = EX_UPDATE;
174     time_t timeval; /* time value from time */
175     int i;
176     ptrdiff_t skip;
177     char *hdr;
178
179     /*
180      * file format is:
181      * #<tab>Default values for adduser. Changed mm/dd/yy hh:mm:ss.
182      * defgroup=m (m=default group id)
183      * defgname=str1 (str1=default group name)
184      * defparent=str2 (str2=default base directory)
185      * definactive=x (x=default inactive)
186      * defexpire=y (y=default expire)
187      * defproj=z (z=numeric project id)
188      * defprojname=str3 (str3=default project name)
189      * ... etc ...
190      */
191
192     if (is_role(usertype)) {
193         fp = fopen(DEFROLEFILE, "w");
194     } else {
195         fp = fopen(DEFFILE, "w");
196         if ((defptr = fopen(DEFROLEFILE, "w")) == NULL) {
197             errmsg(M_FAILED);
198             return (EX_UPDATE);
199         }
200     }
201     if (fp == NULL) {
202         if ((defptr = fopen(DEFFILE, "w")) == NULL) {
203             errmsg(M_FAILED);
204             goto out;
205         }
206         return (EX_UPDATE);
207     }
208
209     if (lockf(fileno(fp), F_LOCK, 0) != 0) {
210         if (lockf(fileno(defptr), F_LOCK, 0) != 0) {
211             /* print error if can't lock whole of DEFFILE */
212             errmsg(M_UPDATE, "created");
213             goto out;
214             return (EX_UPDATE);
215         }
216         locked = B_TRUE;
217     }
218
219     if (is_role(usertype)) {
220         res = fwrite_roledefs(fp, defs);
221         /* If it's a role, we must skip the defrole field */
222         skip = offsetof(struct userdefs, defrole);
223         hdr = FHEADER_ROLE;
224     } else {
225         res = fwrite_userdefs(fp, defs);
226         skip = -1;
227         hdr = FHEADER;
228     }
229
230     /* get time */
231     timeval = time(NULL);
232
233     /* write it to file */
234     if (fprintf(defptr, "%s%s\n", hdr, ctime(&timeval)) <= 0) {
235         errmsg(M_UPDATE, "created");
236         return (EX_UPDATE);
237     }

```

```

370     }
371
372     for (i = 0; i < NDEF; i++) {
373         int res = 0;
374
375         if (tab[i].off == skip)
376             continue;
377
378         switch (tab[i].type) {
379             case INT:
380                 res = fprintf(defptr, "%s%d\n", tab[i].name,
381                             FIELD(defs, &tab[i], int));
382                 break;
383             case STR:
384                 res = fprintf(defptr, "%s%s\n", tab[i].name,
385                             FIELD(defs, &tab[i], char *));
386                 break;
387             case PROJID:
388                 res = fprintf(defptr, "%s%d\n", tab[i].name,
389                             (int)FIELD(defs, &tab[i], projid_t));
390                 break;
391         }
392
393         if (res <= 0) {
394             errmsg(M_UPDATE, "created");
395             goto out;
396             return (EX_UPDATE);
397         }
398         ex = EX_SUCCESS;
399     }
400
401 out:
402     if (fp != NULL) {
403         if (locked)
404             (void) lockf(fileno(fp), F_ULOCK, 0);
405         (void) fclose(fp);
406     }
407     (void) lockf(fileno(defptr), F_ULOCK, 0);
408     (void) fclose(defptr);
409
410     return (EX_SUCCESS);
411 }
412
413 /* Export command line keys to defaults for useradd -D */
414 void
415 update_def(struct userdefs *ud)
416 {
417     int i;
418
419     for (i = 0; i < NDEF; i++) {
420         char *val;
421         if (tab[i].uakey != NULL &&
422             (val = getsetdefval(tab[i].uakey, NULL)) != NULL)
423             FIELD(ud, &tab[i], char *) = val;
424     }
425 }
426
427 return (ex);
428
429 /* Import default keys for ordinary useradd */
430 void
431 import_def(struct userdefs *ud)
432 {
433     int i;
434
435     for (i = 0; i < NDEF; i++) {
436         if (tab[i].uakey != NULL && tab[i].type == STR) {
437             char *val = FIELD(ud, &tab[i], char *);

```

```

428         if (val == getsetdefval(tab[i].uakey, val))
429             nkeys ++;
430     }
431 }
432 }
433 }
434 }
435 }
436 }
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unchanged_portion_omitted_

new/usr/src/cmd/passwd/Makefile

1

1287 Mon Mar 27 17:24:30 2017

new/usr/src/cmd/passwd/Makefile

Add libuserdefs and use in cmd/{oamuser,passwd}

```
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #

26 PROG= passwd
27 DEFAULTFILES= passwd.dfl

29 include ../Makefile.cmd

31 passwd := LDLIBS += $(ROOT)/usr/lib/passwdutil.so.1
32 lint := LDLIBS += -lpasswdutil
33 LDFLAGS += $(ZIGNORE)
34 LDLIBS += -luserdefs -lbsm -lpam -lnsl
34 LDLIBS += -lbsm -lpam -lnsl

36 FILEMODE = 06555
37 XGETFLAGS += -a -x $(PROG).xcl

39 .KEEP_STATE:

41 all: $(PROG)

43 install: all $(ROOTPROG) $(ROOTETCDEFAULTFILES)

45 clean:

47 lint: lint_PROG

49 include ../Makefile.targ
```

```

*****
6636 Mon Mar 27 17:24:30 2017
new/usr/src/head/userdefs.h
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License, Version 1.0 only
6  * (the "License"). You may not use this file except in compliance
7  * with the License.
8  *
9  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
10 * or http://www.opensolaris.org/os/licensing.
11 * See the License for the specific language governing permissions
12 * and limitations under the License.
13 *
14 * When distributing Covered Code, include this CDDL HEADER in each
15 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 * If applicable, add the following below this CDDL HEADER, with the
17 * fields enclosed by brackets "[]" replaced with your own identifying
18 * information: Portions Copyright [yyyy] [name of copyright owner]
19 *
20 * CDDL HEADER END
21 */
22 /*
23 * Copyright 2016 Gordon W. Ross
24 *
25 * Copyright 2004 Sun Microsystems, Inc. All rights reserved.
26 * Use is subject to license terms.
27 */

29 /*      Copyright (c) 1984, 1986, 1987, 1988, 1989 AT&T */
30 /*      All Rights Reserved */

33 #ifndef _USERDEFS_H
34 #define _USERDEFS_H

34 #pragma ident      "%Z%M% %I%      %E% SMI"      /* SVr4.0 1.7.1.1 */

36 #include <project.h>
37 #include <stdio_tag.h>

39 #ifdef __cplusplus
40 extern "C" {
41 #endif

43 /*
44 * The definitions in this file are local to the OA&M subsystem.  General
45 * use is not encouraged.
46 *
47 * Default values are taken from (in precedence order)
48 *      /etc/default/add{user,role}
49 *      /usr/sadm/defadd{user,role}
50 *      (compiled-in values)
51 *
52 * Note that the "old" default locations may be used as a
53 * "vendor" (or distro.) override of the compiled-in defaults.
54 * If an administrator runs "useradd -D ...", those values are
55 * stored in /etc/default/add*, which overrides all others.
56 */

58 /* Defaults files */
59 #define DEFFILE      "/etc/default/adduser"

```

```

60 #define DEFROLEFILE  "/etc/default/addrole"
47 /* User/group default values */
48 #define DEFGID      99      /* max reserved group id */
49 #define DEFGRPID    99
50 #define DEFPROJ     3
51 #define DEFPROJNAME "default"
52 #define DEFGROUP    1
53 #define DEFGRNAME   "other"
54 #define DEFPPARENT  "/home"
55 #define DEFOSKEL    "/etc/skel"
56 #define DEFOSHL     "/bin/sh"
57 #define DEFOSLSHL   "/bin/pfsh"
58 #define DEFOSINACT   0
59 #define DEFOSEXPIRE ""
60 #define DEFOSAUTH    ""
61 #define DEFOSPROF    ""
62 #define DEFOSROLEPROF "All"
63 #define DEFOSROLE    ""
64 #define DEFOSLIMPRIV ""
65 #define DEFOSDFLTPRIV ""
66 #define DEFOSLOCK_AFTER_RETRIES ""

62 /* Old defaults files */
63 #define ODEFFILE     "/usr/sadm/defadduser"
64 #define ODEFROLEFILE "/usr/sadm/defaddrole"

66 #define GROUP        "/etc/group"

68 /* various limits */
69 #define MAXGLEN      9      /* max length of group name */
70 #define MAXDLEN      80     /* max length of a date string */

72 /* Defaults file keywords */
73 #define RIDSTR       "defrid="
74 #define GIDSTR       "defgroup="
75 #define GNAMESTR    "defgname="
76 #define PARENTSTR   "defparent="
77 #define SKLSTR       "defskel="
78 #define SHELLSTR    "defshell="
79 #define INACTSTR     "definact="
80 #define EXPIRESTR    "defexpire="
81 #define AUTHSTR      "defauthorization="
82 #define PROFSTR      "defprofile="
83 #define ROLESTR      "defrole="
84 #define PROJSTR      "defproj="
85 #define PROJNAMESTR "defprojname="
86 #define LIMPRSTR     "deflimitpriv="
87 #define DFLTPRSTR    "defdefaultpriv="
88 #define FHEADER      ""      Default values for useradd.  Changed "
89 #define FHEADER_ROLE "#      Default values for roleadd.  Changed "
90 #define LOCK_AFTER_RETRIESSTR "deflock_after_retries="

88 /* Defaults file */
89 #define DEFFILE     "/usr/sadm/defadduser"
90 #define DEFROLEFILE "/usr/sadm/defaddrole"
91 #define GROUP       "/etc/group"

93 /* various limits */
94 #define MAXGLEN      9      /* max length of group name */
95 #define MAXDLEN      80     /* max length of a date string */

92 /* defaults structure */
93 struct userdefs {
94     int defrid;          /* highest reserved uid */
95     int defgroup;       /* default group id */
96     char *defgname;     /* default group name */

```

```

97 char *defparent; /* default base directory for new logins */
98 char *defskel; /* default skel directory */
99 char *defshell; /* default shell */
100 int definact; /* default inactive */
101 char *defexpire; /* default expire date */
102 char *defauth; /* default authorization */
103 char *defprof; /* default profile */
104 char *defrole; /* default role */
105 projid_t defproj; /* default project id */
106 char *defprojname; /* default project name */
107 char *deflimpriv; /* default limitpriv */
108 char *defdfltpriv; /* default defaultpriv */
109 char *deflock_after_retries; /* default lock_after_retries */

```

```
110 };
```

```

112 extern struct userdefs *_get_userdefs(void);
113 extern struct userdefs *_get_roledefs(void);

```

```

115 extern void fread_defs(FILE *fp, struct userdefs *, boolean_t);
116 extern int fwrite_roledefs(struct __FILE *, struct userdefs *);
117 extern int fwrite_userdefs(struct __FILE *, struct userdefs *);

```

```

119 extern char *userdef_get_by_uakey(struct userdefs *, const char *);
120 void userdef_set_by_uakey(struct userdefs *, const char *, char *);

```

```
122 /*
```

```

123 * User/group default values
124 * These are constants _only_ when compiling libuserdefs
125 */

```

```

126 #ifndef _USERDEFS_INTERNAL
127 #define DEFRID 99 /* max reserved group id */
128 #define DEFGROUP 1
129 #define DEFGNAME "other"
130 #define DEFPARENT "/home"
131 #define DEFSKL "/etc/skel"
132 #define DEFSHL "/bin/sh"
133 #define DEFROLESHL "/bin/pfsh"
134 #define DEFINACT 0
135 #define DEFEXPIRE ""
136 #define DEFAUTH ""
137 #define DEFPROF ""
138 #define DEFROLEPROF "All"
139 #define DEFROLE ""
140 #define DEFPROJ 3
141 #define DEFPROJNAME "default"
142 #define DEFLIMPRIV ""
143 #define DEFDFLTPRIV ""
144 #define DEFLOCK_AFTER_RETRIES ""
145 #else /* _USERDEFS_INTERNAL */
146 /* Get these from libuserdefs */
147 #define DEFRID (_get_userdefs()->defrid)
148 #define DEFGROUP (_get_userdefs()->defgroup)
149 #define DEFGNAME (_get_userdefs()->defgname)
150 #define DEFPARENT (_get_userdefs()->defparent)
151 #define DEFSKL (_get_userdefs()->defskel)
152 #define DEFSHL (_get_userdefs()->defshell)
153 #define DEFROLESHL (_get_roledefs()->defshell) /* ROLE */
154 #define DEFINACT (_get_userdefs()->definact)
155 #define DEFEXPIRE (_get_userdefs()->defexpire)
156 #define DEFAUTH (_get_userdefs()->defauth)
157 #define DEFPROF (_get_userdefs()->defprof)
158 #define DEFROLEPROF (_get_roledefs()->defprof) /* ROLE */
159 #define DEFROLE (_get_userdefs()->defrole)
160 #define DEFPROJ (_get_userdefs()->defproj)
161 #define DEFPROJNAME (_get_userdefs()->defprojname)

```

```

162 #define DEFLIMPRIV (_get_userdefs()->deflimpriv)
163 #define DEFDFLTPRIV (_get_userdefs()->defdfltpriv)
164 #define DEFLOCK_AFTER_RETRIES (_get_userdefs()->deflock_after_retries)
165 #endif /* _USERDEFS_INTERNAL */

```

```

167 /* DEFGID is an alias for DEFRID. Misleading... (!= DEFGROUP) */
168 #define DEFGID DEFRID /* XXX delete this? */

```

```
170 /* exit() values for user/group commands */
```

```

172 /* Everything succeeded */
173 #define EX_SUCCESS 0

```

```

175 /* No permission */
176 #define EX_NO_PERM 1

```

```

178 /* Command syntax error */
179 #define EX_SYNTAX 2

```

```

181 /* Invalid argument given */
182 #define EX_BADARG 3

```

```

184 /* A gid or uid already exists */
185 #define EX_ID_EXISTS 4

```

```

187 /* PASSWD and SHADOW are inconsistent with each other */
188 #define EX_INCONSISTENT 5

```

```

190 /* A group or user name doesn't exist */
191 #define EX_NAME_NOT_EXIST 6

```

```

193 /* GROUP, PASSWD, or SHADOW file missing */
194 #define EX_MISSING 7

```

```

196 /* GROUP, PASSWD, or SHADOW file is busy */
197 #define EX_BUSY 8

```

```

199 /* A group or user name already exists */
200 #define EX_NAME_EXISTS 9

```

```

202 /* Unable to update GROUP, PASSWD, or SHADOW file */
203 #define EX_UPDATE 10

```

```

205 /* Not enough space */
206 #define EX_NOSPACE 11

```

```

208 /* Unable to create/remove/move home directory */
209 #define EX_HOMEDIR 12

```

```

211 /* new login already in use */
212 #define EX_NL_USED 13

```

```

214 /* Unexpected failure */
215 #define EX_FAILURE 14

```

```

217 /* A user name is in a non-local name service */
218 #define EX_NOT_LOCAL 15

```

```

220 #ifdef __cplusplus
221 }

```

```
    unchanged_portion_omitted_
```

```

*****
14430 Mon Mar 27 17:24:30 2017
new/usr/src/lib/Makefile
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright (c) 2012 by Delphix. All rights reserved.
25 # Copyright (c) 2012, Joyent, Inc. All rights reserved.
26 # Copyright (c) 2013 Gary Mills
27 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
28 # Copyright (c) 2015 Gary Mills
29 # Copyright 2016 Toomas Soome <tsoome@me.com>
30 # Copyright 2017 Nexenta Systems, Inc.
31 #
32 #
33 include ../Makefile.master
34 #
35 # Note that libcurses installs commands along with its library.
36 # This is a minor bug which probably should be fixed.
37 # Note also that a few extra libraries are kept in cmd source.
38 #
39 # Certain libraries are linked with, hence depend on, other libraries.
40 # Library dependencies are called out explicitly, see "Library
41 # interdependencies" below.
42 .PARALLEL:
43 #
44 # Build libc and its dependencies
45 SUBDIRS=
46     common
47     ../cmd/sgs/libconv
48     ../cmd/sgs/libdl
49     libc
50     .WAIT
51 #
52 # Build libraries with lots of dependents
53 SUBDIRS +=
54     libm
55     libmd
56     libmp
57     libnsl
58     libnvpair
59     libsocket
60     .WAIT

```

```

62 # Build everything else. Aside from explicit dependencies, all libraries
63 # are built in parallel.
64 SUBDIRS +=
65     ../cmd/sendmail/libmilter
66     ../cmd/sgs/libelf
67     ../cmd/sgs/librtld_db
68     abi
69     auditd_plugins
70     brand
71     c_synonyms
72     cfgadm_plugins
73     crypt_modules
74     extendedFILE
75     fm
76     getloginx
77     gss_mechs/mech_dh
78     gss_mechs/mech_dummy
79     gss_mechs/mech_krb5
80     gss_mechs/mech_spnego
81     hal
82     hbaapi
83     krb5
84     libadm
85     libads
86     libadt_jni
87     libadutils
88     libaio
89     libast
90     libavl
91     libbe
92     libbrand
93     libbsdmalloc
94     libbsm
95     libc_db
96     libcfgadm
97     libcmd
98     libcmdutils
99     libcommutil
100    libcontract
101    libcpc
102    libcrypt
103    libcryptoutil
104    libctf
105    libcurses
106    libdevice
107    libdevid
108    libdevinfo
109    libdhcagent
110    libdhcputil
111    libdisasm
112    libdiskmgt
113    libdladm
114    libdll
115    libdlpi
116    libdns_sd
117    libdoor
118    libdscfg
119    libdtrace
120    libdtrace_jni
121    libefi
122    libelfsign
123    libeti
124    libexacct
125    libexacct/demo
126    libfakekernel
127    libfcoe

```

new/usr/src/lib/Makefile

```

128 libfiel //
129 libfru //
130 libfruutils //
131 libfsmgt //
132 libfstyp //
133 libgen //
134 libgrubmgmt //
135 libgss //
136 libhotplug //
137 libidmap //
138 libilb //
139 libima //
140 libinetsvc //
141 libinetutil //
142 libinstzones //
143 libintl //
144 libipadm //
145 libipd //
146 libipmi //
147 libippm //
148 libipp //
149 libipsecutil //
150 libiscsit //
151 libkmf //
152 libkrb5 //
153 libkstat //
154 libkvm //
155 libldap5 //
156 liblgrp //
157 liblm //
158 libml //
159 libmail //
160 libmalloc //
161 libmapid //
162 libmapmalloc //
163 libmd5 //
164 libmtmalloc //
165 libmvec //
166 libndmp //
167 libnisdb //
168 libnls //
169 libnsctl //
170 libnwam //
171 libpam //
172 libpcidb //
173 libpctx //
174 libpicl //
175 libpicltree //
176 libpkg //
177 libpool //
178 libpp //
179 libproc //
180 libproject //
181 libpthread //
182 libraidcfg //
183 librcm //
184 librdc //
185 libreparse //
186 libresolv //
187 libresolv2 //
188 librestart //
189 librpcsvc //
190 librsm //
191 librstp //
192 librt //
193 libsas1 //

```

3

new/usr/src/lib/Makefile

```

194 libscf //
195 libsched //
196 libsctp //
197 libsec //
198 libsecdb //
199 libsendfile //
200 libshare //
201 libshell //
202 libsip //
203 libslldap //
204 libslp //
205 libsmbfs //
206 libsmbios //
207 libsmmedia //
208 libsqlite //
209 libsrpt //
210 libstmf //
211 libstmfproxy //
212 libsum //
213 libsun_ima //
214 libsys //
215 libsysevent //
216 libtecla //
217 libtermcap //
218 libthread //
219 libtnf //
220 libtnfctl //
221 libtnfprobe //
222 libtsnet //
223 libtsol //
224 libumem //
225 libunistat //
226 libuserdefs //
227 libuuid //
228 libuutil //
229 libvolmgt //
230 libvrrpadm //
231 libvscan //
232 libw //
233 libwanboot //
234 libwanbootutil //
235 libwrap //
236 libxcurses //
237 libxcurses2 //
238 libxnet //
239 libzfs //
240 libzfs_core //
241 libzfs_jni //
242 libzonecfg //
243 libzoneinfo //
244 libzonestat //
245 libzpool //
246 madv //
247 mpapi //
248 mpss //
249 nametoaddr //
250 ncad_addr //
251 nsswitch //
252 pam_modules //
253 passwdutil //
254 pkcs11 //
255 policykit //
256 print //
257 pylibbe //
258 pysolaris //
259 pyzfs //

```

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new/usr/src/lib/Makefile

```

260     raidcfg_plugins \
261     rpcsec_gss      \
262     sasl_plugins    \
263     scsi            \
264     smbstrv        \
265     smhba          \
266     sun_fc         \
267     sun_sas        \
268     udapl          \
269     watchmalloc    \
270     ${$(MACH)_SUBDIRS}

272 i386_SUBDIRS=      \
273     libfdisk       \
274     libsaveargs

276 sparc_SUBDIRS=    \
277     efcodes        \
278     libds          \
279     libdscp        \
280     libprtdiag     \
281     libprtdiag_psr \
282     libpri         \
283     librsc         \
284     storage        \
285     libpcp         \
286     libtsalarm    \
287     libvl2n

289 #
290 # Create a special version of $(SUBDIRS) with no .WAIT's, for use with the
291 # clean and clobber targets (for more information, see those targets, below).
292 #
293 NOWAIT_SUBDIRS= $(SUBDIRS:.WAIT=)

295 DCSUBDIRS=

297 MSGSUBDIRS=       \
298     abi             \
299     auditd_plugins \
300     brand           \
301     cfgadm_plugins \
302     gss_mechs/mech_dh \
303     gss_mechs/mech_krb5 \
304     krb5            \
305     libast          \
306     libbsm         \
307     libc            \
308     libcfgadm      \
309     libcmd         \
310     libcontract    \
311     libcurses      \
312     libdhcputil    \
313     libdiskmgt     \
314     libdladm       \
315     libdll         \
316     libgrubmgmt    \
317     libgss         \
318     libidmap       \
319     libilb         \
320     libinetutil    \
321     libinstzones   \
322     libipadm       \
323     libipmp        \
324     libipsecutil   \
325     libldap5

```

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new/usr/src/lib/Makefile

```

326     libnsl         \
327     libnwam        \
328     libpam         \
329     libpicl        \
330     libpkg         \
331     libpool        \
332     libpp          \
333     libreparsed    \
334     libsas         \
335     libscf         \
336     libsecdb       \
337     libshare       \
338     libshell       \
339     libslldap     \
340     libslp         \
341     libsmbfs       \
342     libsmmedia     \
343     libsum         \
344     libtsol        \
345     libuutil       \
346     libvrrpadm    \
347     libvscan      \
348     libwanboot     \
349     libwanbootutil \
350     libzfs         \
351     libzonecfg     \
352     madv           \
353     mpss           \
354     pam_modules    \
355     pyzfs          \
356     rpcsec_gss     \
357     ${$(MACH)_MSGSUBDIRS}

359 sparc_MSGSUBDIRS= \
360     libprtdiag     \
361     libprtdiag_psr

363 i386_MSGSUBDIRS= libfdisk

365 HDRSUBDIRS=       \
366     ../cmd/sendmail/libmilter \
367     auditd_plugins \
368     fm              \
369     hal             \
370     hbaapi          \
371     libads          \
372     libast          \
373     libbrand        \
374     libbsm         \
375     libc            \
376     libcmd         \
377     libcmdutils    \
378     libcommputil   \
379     libcontract    \
380     libcpc         \
381     libcryptoutil  \
382     libctf         \
383     libcurses      \
384     libdevice      \
385     libdevvid      \
386     libdevinfo     \
387     libdhcpageant  \
388     libdhcputil    \
389     libdisasm      \
390     libdiskmgt     \
391     libdladm

```

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new/usr/src/lib/Makefile

```

392 libdll //
393 libdlpi //
394 libdns_sd //
395 libdscfg //
396 libdtrace //
397 libdtrace_jni //
398 libelfsign //
399 libeti //
400 libfakekernel //
401 libfcoe //
402 libfru //
403 libfstyp //
404 libgen //
405 libgrubmgmt //
406 libidmap //
407 libilb //
408 libima //
409 libinetsvc //
410 libinetutil //
411 libinstzones //
412 libipadm //
413 libipd //
414 libipmi //
415 libipmp //
416 libipp //
417 libipsecutil //
418 libiscsit //
419 libkrb5 //
420 libkstat //
421 libkvm //
422 libmail //
423 libmapid //
424 libmd //
425 libmtmalloc //
426 libndmp //
427 libnsctl //
428 libnsl //
429 libnvpair //
430 libnwam //
431 libpam //
432 libpcidb //
433 libpctx //
434 libpicl //
435 libpicltree //
436 libpool //
437 libpp //
438 libproc //
439 libraidcfg //
440 librcm //
441 librdc //
442 libreparse //
443 librestart //
444 librpcsvc //
445 librsn //
446 librstp //
447 libsas1 //
448 libscf //
449 libsec //
450 libshare //
451 libshell //
452 libsip //
453 libslp //
454 libsmbfs //
455 libsmbios //
456 libsmmedia //
457 libsocket //

```

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new/usr/src/lib/Makefile

```

458 libsqlite //
459 libsrpt //
460 libstmf //
461 libstmfproxy //
462 libsum //
463 libsun_ima //
464 libsysevent //
465 libtecla //
466 libtermcap //
467 libtnf //
468 libtnfctl //
469 libtnfprobe //
470 libtsnet //
471 libtsol //
472 libumem //
473 libunistat //
474 libuutil //
475 libvolmgt //
476 libvrrpadm //
477 libvscan //
478 libwanboot //
479 libwanbootutil //
480 libwrap //
481 libxcurses2 //
482 libzfs //
483 libzfs_core //
484 libzfs_jni //
485 libzoneinfo //
486 libzonestat //
487 mpapi //
488 passwdutil //
489 pkcs11 //
490 policykit //
491 scsi //
492 smbsrv //
493 smhba //
494 udapl //
495 ${MACH}_HDRSUBDIRS //

497 i386_HDRSUBDIRS= //
498 libfdisk //
499 libsaveargs //

501 sparc_HDRSUBDIRS= //
502 libds //
503 libdscp //
504 libpri //
505 libvl2n //
506 storage //

508 all := TARGET= all
509 check := TARGET= check
510 clean := TARGET= clean
511 clobber := TARGET= clobber
512 install := TARGET= install
513 install_h := TARGET= install_h
514 lint := TARGET= lint
515 _dc := TARGET= _dc
516 _msg := TARGET= _msg

518 .KEEP_STATE:

520 #
521 # For the all and install targets, we clearly must respect library
522 # dependencies so that the libraries link correctly. However, for
523 # the remaining targets (check, clean, clobber, install_h, lint, _dc

```

8

```

524 # and _msg), libraries do not have any dependencies on one another
525 # and thus respecting dependencies just slows down the build.
526 # As such, for these rules, we use pattern replacement to explicitly
527 # avoid triggering the dependency information. Note that for clean,
528 # clobber and lint, we must use $(NOWAIT_SUBDIRS) rather than
529 # $(SUBDIRS), to prevent '.WAIT' from expanding to '.WAIT-nodepend'.
530 #
532 all:                $(SUBDIRS)
534 install:           $(SUBDIRS) .WAIT install_extra
536 # extra libraries kept in other source areas
537 install_extra:
538     @cd ../cmd/sgs; pwd; $(MAKE) install_lib
539     @pwd
541 clean clobber lint: $(NOWAIT_SUBDIRS:%=%-nodepend)
543 install_h check:   $(HDRSUBDIRS:%=%-nodepend)
545 _msg:              $(MSGSUBDIRS:%=%-nodepend) .WAIT_dc
547 _dc:               $(DCSUBDIRS:%=%-nodepend)
549 # Library interdependencies are called out explicitly here.
550 ../cmd/sgs/libconv: common
551 ../cmd/sgs/libdl: common
552 libc:              ../cmd/sgs/libconv ../cmd/sgs/libdl
554 libm:              libc
555 libmd:             libc
556 libmp:             libc
557 libnsl:            libc libmd libmp
558 libnvpair:         libc libnsl
559 libsocket:         libc libnsl
561 basedeps:          libc libm libmd libmp libnsl libnvpair libsocket
562 basedeps :=        TARGET=install
564 # The following dependencies are currently required by libdbus-1 and should
565 # be used for anything linking against it.
566 dbusdeps:          libsecdb libtsol libinetutil libscf libuutil libgen libsmbios
568 # The following dependencies don't need to be listed below as they are built
569 # before everything else:
570 # libc libm libmd libmp libnsl libnvpair libsocket
571 abi:               libctf libmapmalloc libproc
572 auditd_plugins:   libbsm libsecdb libgss libmtmalloc
573 brand:             libzonecfg libmapmalloc
574 cfgadm_plugins:   libdevice libdevinfo libhotplug librcm hbaapi libkstat libscf
575 fm:                libxacct libipmi libzfs scsi libdevinfo libdevinfo libcfadm \
576                 libcontract libsysevent ../cmd/sgs/libelf
577 $(SPARC_BLD)fm:   libpri
578 gss_mechs/mech_dh: libgss
579 gss_mechs/mech_dummy: libgss
580 gss_mechs/mech_krb5: libgss libresolv2 pkcs11 libkstat
581 gss_mechs/mech_spnego: gss_mechs/mech_krb5
582 hal:              dbusdeps
583 krb5:             gss_mechs/mech_krb5 libtecla libldap5
584 libadt_jni:       libbsm
585 libadutils:       libldap5 libresolv2
586 libbe:            libzfs libinstzones libuuid libgen libdevinfo libefi libficl
587 libbsm:           libinetutil libscf libsecdb libtsol
588 libcfadm:         libdevinfo
589 libcmd:           libsum libast

```

```

590 libcmdutils:     libavl
591 libcpc:          libpctx
592 libcrypt:        libgen
593 libdevvid:       libdevinfo
594 libdevinfo:      libsec libgen
595 libdhcpageant:   libdhcputil libuuid libdlpi libcontract
596 libdhcputil:     libgen libinetutil libdlpi
597 libdiskmgt:      libdevvid libdevinfo libadm libefi libkstat libsysevent
598 $(INTEL_BLD)libdiskmgt: libfdisk
599 libdladm:        libdevinfo libinetutil libscf librcm libxacct libkstat \
600                 libpool
601 libdll:          libast
602 libdlpi:         libinetutil libdladm
603 libds:           libsysevent
604 libdscfg:        libnsctl libunistat libadm
605 libdtrace:       libproc libgen libctf libmapmalloc
606 libdtrace_jni:  libuutil libdtrace
607 libefi:          libuuid
608 libelfsign:      libcryptoutil libkmf ../cmd/sgs/libelf
609 libeti:          libcurses
610 libexacct/demo: libexacct libproject
611 libfakekernel:  libumem libcryptoutil
612 libfcoe:         libdladm
613 libficl:         libuuid libumem
614 libfru:          libfruutils
615 libfsmgt:        libkstat
616 libgrubmgt:      libdevinfo libzfs libfstyp libefi
617 $(INTEL_BLD)libgrubmgt: libfdisk
618 libidmap:        libavl libuutil
619 libinetsvc:      libscf
620 libinstzones:   libzonecfg libcontract
621 libipadm:        libinetutil libdlpi libdhcpageant libdladm libsecdb
622 libipmp:         libinetutil
623 libipsecutil:   libtecla libtsol
624 libiscsit:       libstmf libuuid
625 libkmf:          libcryptoutil pkcs11
626 libkvm:          ../cmd/sgs/libelf
627 libldap5:       libsasl
628 libmapid:        libresolv2 libscf
629 libndmp:         libscf
630 libnisdb:        libldap5
631 libnwam:         libscf libbsm libdladm
632 libpccp:         libumem libdevinfo
633 libpctx:         libproc
634 libpkg:          libwanboot libscf libadm
635 libpool:         libscf libxacct
636 libpp:           libast
637 libproc:         ../cmd/sgs/librtld_db ../cmd/sgs/libelf libctf
638 $(INTEL_BLD)libproc: libsaveargs
639 libproject:      libpool libproc libsecdb
640 libprtdiag:     libkstat
641 libprtdiag_psr: libprtdiag
642 libraidcfg:     libdevinfo
643 librdc:          libnsctl libunistat libdscfg
644 librestart:      libuutil libscf libpool libproject libsecdb libsysevent
645 libsasl:         libgss pkcs11
646 libsaveargs:    libdisasm
647 libscf:          libuutil libgen libsmbios
648 libsec:          libavl libidmap
649 libshare:        libscf libzfs libuuid libfsmgt libsecdb libumem libsmbfs
650 libshell:        libast libcmd libdll libsecdb
651 libsip:          libmd5
652 libslldap:       libldap5 libscf
653 libsmbfs:        libkrb5 libsec libidmap pkcs11
654 libsmbios:       libdevinfo
655 libsrpt:         libstmf

```

```

656 libstmf:      libscf
657 libstmfproxy: libstmf libpthread
658 libsum:       libast
659 libsun_ima:   libdevinfo libsysevent
660 libsysevent:  libsecdb
661 libtecla:     libcurses
662 libtermcap:   libcurses
663 libtntfctl:   ../cmd/sgs/libelf
664 libtsalarm:   libpcp
665 libtsnet:     libtsol libsecdb
666 libtsol:     libsecdb
667 libuuid:     libdlpi
668 libv12n:     libds libuuid
669 libvolmgt:    libadm
670 libvrrpadm:   libdladm libscf
671 libvscan:     libscf libsecdb
672 libwanboot:   libresolv2 libdevinfo libinetutil libdhcputil
673 libzfs:       libdevid libgen libuutil libadm libavl libefi libidmap \
674              libumem libtsol libzfs_core
675 libzfs_jni:   libdiskmgt libzfs
676 libzonecfg:   libuuid libsysevent libsec libbrand libpool libscf libproc \
677              libuutil libbsm libsecdb
678 libzonestat: libcmdutils libumem
679 libzpool:     libavl libumem libcmdutils libsysevent
680 madv:        libgen
681 mpapi:       libpthread libdevinfo libsysevent
682 mpps:        libgen
683 nsswitch:    libadutils libidmap libdns_sd libscf libldap5 libsldap
684 pam_modules: libproject passwdutil smbsrv libtsnet libpam libbsm libsecdb
685 passwdutil:  libsldap
686 pkcs11:     libcryptoutil libgen libuuid
687 policykit:  dbusdeps
688 print:     libldap5 libmd5 libsendfile
689 pylibbe:   libbe libzfs
690 pysolaris: libsec libidmap
691 pyzfs:     libzfs
692 raidcfg_plugins: libraidcfg librcm libcfgadm libpicl libpicltree
693 rpcsec_gss: libgss
694 sasl_plugins: pkcs11 libgss libsasl
695 scsi:       libfru libumem libdevid libdevinfo
696 smbsrv:     libxnet libpthread librt libshare libidmap pkcs11 libsqlite \
697             libcryptoutil librepase libcmdutils libresolv2 libsmbs \
698             libuuid libfakekernel libads libgss libldap5 krb5
699 storage:   libdevice libdevinfo libdevid
700 sun_fc:    libdevinfo libsysevent
701 sun_sas:   libdevinfo libsysevent libkstat libdevid
702 udapl:     libdevinfo libdladm

704 #
705 # The reason this rule checks for the existence of the
706 # Makefile is that some of the directories do not exist
707 # in certain situations (e.g., exportable source builds,
708 # OpenSolaris).
709 #
710 $(SUBDIRS): FRC
711     @if [ -f $@/Makefile ]; then \
712         cd $@; pwd; $(MAKE) $(TARGET); \
713     else \
714         true; \
715     fi

717 $(SUBDIRS:%=%-nodepend):
718     @if [ -f $@:%-nodepend=%/Makefile ]; then \
719         cd $@:%-nodepend=%; pwd; $(MAKE) $(TARGET); \
720     else \
721         true; \

```

```

722         fi
724 FRC:

```

new/usr/src/lib/libcmdutils/common/gid.c

1

```
*****
2741 Mon Mar 27 17:24:31 2017
new/usr/src/lib/libcmdutils/common/gid.c
Remove include userdefs.h where not needed
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
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11 * and limitations under the License.
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14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21 /*
22 * Copyright 2007 Sun Microsystems, Inc. All rights reserved.
23 * Use is subject to license terms.
24 */

26 /*      Copyright (c) 1984, 1986, 1987, 1988, 1989 AT&T */
27 /*      All Rights Reserved      */

29 /*
30 * Copyright (c) 2013 RackTop Systems.
31 */

33 #include <errno.h>
34 #include <sys/types.h>
35 #include <stdio.h>
36 #include <userdefs.h>
36 #include <grp.h>
37 #include <libcmdutils.h>

39 static int findunusedgid(gid_t start, gid_t stop, gid_t *ret);
40 static boolean_t isreservedgid(gid_t gid);

42 /*
43  * Find the highest unused uid. If the highest unused gid is "stop",
44  * then attempt to find a hole in the range. Returns 0 on success.
45  */
46 int
47 findnextgid(gid_t start, gid_t stop, gid_t *ret)
48 {
49     gid_t gid = start;
50     struct group *grp;
51     boolean_t overflow = B_FALSE;

53     setgrent();
54     for (grp = getgrent(); grp != NULL; grp = getgrent()) {
55         if (isreservedgid(grp->gr_gid)) /* Skip reserved IDs */
56             continue;
57         if (grp->gr_gid >= gid) {
58             if (grp->gr_gid == stop) { /* Overflow check */
59                 overflow = B_TRUE;
60                 break;

```

new/usr/src/lib/libcmdutils/common/gid.c

2

```
61     }
62     gid = grp->gr_gid + 1;
63     }
64 }
65 if (grp == NULL && errno != 0) {
66     endgrent();
67     return (-1);
68 }
69 endgrent();
70 if (overflow == B_TRUE) /* Find a hole */
71     return (findunusedgid(start, stop, ret));
72 while (isreservedgid(gid) && gid < stop) /* Skip reserved IDs */
73     gid++;
74 *ret = gid;
75     return (0);
76 }
_____unchanged_portion_omitted_____
```

new/usr/src/lib/libcndutils/common/uid.c

1

```
*****
2742 Mon Mar 27 17:24:31 2017
new/usr/src/lib/libcndutils/common/uid.c
Remove include userdefs.h where not needed
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License, Version 1.0 only
6  * (the "License"). You may not use this file except in compliance
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17 * fields enclosed by brackets "[]" replaced with your own identifying
18 * information: Portions Copyright [yyyy] [name of copyright owner]
19 *
20 * CDDL HEADER END
21 */
22 /*
23  * Copyright (c) 1997-2001 by Sun Microsystems, Inc.
24  * All rights reserved.
25  */
27 /*      Copyright (c) 1984, 1986, 1987, 1988, 1989 AT&T */
28 /*      All Rights Reserved      */

30 /*
31  * Copyright (c) 2013 RackTop Systems.
32  */

34 #include <errno.h>
35 #include <sys/types.h>
36 #include <stdio.h>
37 #include <userdefs.h>
38 #include <pwd.h>
39 #include <libcndutils.h>

40 static int findunuseduid(uid_t start, uid_t stop, uid_t *ret);
41 static boolean_t isreserveduid(uid_t uid);

43 /*
44  * Find the highest unused uid. If the highest unused uid is "stop",
45  * then attempt to find a hole in the range. Returns 0 on success.
46  */
47 int
48 findnextuid(uid_t start, uid_t stop, uid_t *ret)
49 {
50     uid_t uid = start;
51     struct passwd *pwd;
52     boolean_t overflow = B_FALSE;

54     setpwent();
55     for (pwd = getpwent(); pwd != NULL; pwd = getpwent()) {
56         if (isreserveduid(pwd->pw_uid)) /* Skip reserved IDs */
57             continue;
58         if (pwd->pw_uid >= uid) {
59             if (pwd->pw_uid == stop) { /* Overflow check */
60                 overflow = B_TRUE;

```

new/usr/src/lib/libcndutils/common/uid.c

2

```
61         break;
62     }
63     uid = pwd->pw_uid + 1;
64 }
65 }
66 if (pwd == NULL && errno != 0) {
67     endpwent();
68     return (-1);
69 }
70 endpwent();
71 if (overflow == B_TRUE) /* Find a hole */
72     return (findunuseduid(start, stop, ret));
73 while (isreserveduid(uid) && uid < stop) /* Skip reserved IDs */
74     uid++;
75 *ret = uid;
76 return (0);
77 }
_____ unchanged_portion_omitted
```

```
*****
1299 Mon Mar 27 17:24:31 2017
new/usr/src/lib/libuserdefs/Makefile
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
```

```
1 #
2 # CDDL HEADER START
3 #
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18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2006 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #

26 include ../Makefile.lib

28 SUBDIRS = $(MACH)
29 # Not bothering with 64-bit libs for this.
30 # $(BUILD64)SUBDIRS += $(MACH64)

32 all :=          TARGET= all
33 clean :=       TARGET= clean
34 clobber :=    TARGET= clobber
35 install :=    TARGET= install
36 lint :=      TARGET= lint

38 .KEEP_STATE:

40 all install clean clobber lint: $(SUBDIRS)

42 install_h:

44 check:

46 $(SUBDIRS): FRC
47     @cd $@; pwd; $(MAKE) $(TARGET)

49 FRC:

51 include ../Makefile.targ
```

new/usr/src/lib/libuserdefs/Makefile.com

1

```
*****  
1431 Mon Mar 27 17:24:31 2017  
new/usr/src/lib/libuserdefs/Makefile.com  
Add libuserdefs and use in cmd/{oamuser,passwd}  
*****
```

```
1 #  
2 # CDDL HEADER START  
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18 #  
19 # CDDL HEADER END  
20 #  
21 #  
22 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.  
23 # Use is subject to license terms.  
24 #  
  
26 LIBRARY=      libuserdefs.a  
27 VERS=         .1  
  
29 OBJECTS=      defaults.o  
  
31 include ../../Makefile.lib  
  
33 LIBS=         $(DYNLIB) $(LINTLIB)  
  
35 SRCDIR=       ../common  
  
37 LINTOUT =     lint.out  
  
39 LINTSRC =     $(LINTLIB:%.ln=%)  
40 ROOTLINTDIR = $(ROOTLIBDIR)  
41 ROOTLINT =    $(LINTSRC:%=$(ROOTLINTDIR)/%)  
  
43 CPPFLAGS=     -I. -I$(SRCDIR) $(CPPFLAGS.master)  
44 LDLIBS +=     -lc  
  
46 LINTFLAGS=    -u  
47 LINTFLAGS +=  -erroff=E_BAD_PTR_CAST_ALIGN  
48 LINTFLAGS64 += -erroff=E_BAD_PTR_CAST_ALIGN  
  
50 $(LINTLIB) := SRCS= $(SRCDIR)/$(LINTSRC)  
  
52 .KEEP_STATE:  
  
54 all:          $(LIBS)  
  
56 lint:        lintcheck  
  
58 include ../../Makefile.targ
```



```

*****
11476 Mon Mar 27 17:24:31 2017
new/usr/src/lib/libuserdefs/common/defaults.c
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License, Version 1.0 only
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18 * information: Portions Copyright [yyyy] [name of copyright owner]
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21 */

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28 /*      Copyright (c) 1984, 1986, 1987, 1988, 1989 AT&T */
29 /*      All Rights Reserved */

31 /*
32 * Copyright (c) 2013 RackTop Systems.
33 *
34 * Copyright 2016 Gordon W. Ross
35 */

37 /*
38 * Get values for things that were historically constants in userdefs.h
39 * i.e. DEFRID, DEFSHL
40 *
41 * Several things copied or moved from:
42 * $SRC/cmd/oamuser/user/userdefs.c
43 */

45 /*LINTLIBRARY*/
46 #define _USERDEFS_INTERNAL 1

48 #include <sys/types.h>
49 #include <stdio.h>
50 #include <string.h>
51 #include <userdefs.h>
52 #include <user_attr.h>
53 #include <limits.h>
54 #include <stdlib.h>
55 #include <stddef.h>
56 #include <time.h>
57 #include <unistd.h>

59 #define STR_SZ 512
60 #define SKIPWS(ptr) while (*ptr && (*ptr == ' ' || *ptr == '\t')) ptr++

```

```

62 static char *zap_nl(char *);
63 static int fwrite_defs(FILE *, struct userdefs *, char *, ptrdiff_t);

65 static char user_defgname[STR_SZ] = DEFGNAME;
66 static char user_defparent[STR_SZ] = DEFPARENT;
67 static char user_defskel[STR_SZ] = DEFSKL;
68 static char user_defshell[STR_SZ] = DEFSHL;
69 static char user_defexpire[STR_SZ] = DEFEXPIRE;
70 static char user_defauth[STR_SZ] = DEFAULT;
71 static char user_defprof[STR_SZ] = DEFPROF;
72 static char user_defrole[STR_SZ] = DEFROLE;
73 static char user_defprojname[STR_SZ] = DEFPROJNAME;
74 static char user_deflimpriv[STR_SZ] = DEFLIMPRIV;
75 static char user_defdfltpriv[STR_SZ] = DEFDFLTPRIV;
76 static char user_deflock_a_r[STR_SZ] = DEFLOCK_AFTER_RETRIES;

78 static struct userdefs userdefs = {
79     DEFRID,
80     DEFGROUP,
81     user_defgname,
82     user_defparent,
83     user_defskel,
84     user_defshell,
85     DEFINACT,
86     user_defexpire,
87     user_defauth,
88     user_defprof,
89     user_defrole,
90     DEFPROJ,
91     user_defprojname,
92     user_deflimpriv,
93     user_defdfltpriv,
94     user_deflock_a_r
95 };

97 static char role_defgname[STR_SZ] = DEFGNAME;
98 static char role_defparent[STR_SZ] = DEFPARENT;
99 static char role_defskel[STR_SZ] = DEFSKL;
100 static char role_defshell[STR_SZ] = DEFROLESHL; /* role! */
101 static char role_defexpire[STR_SZ] = DEFEXPIRE;
102 static char role_defauth[STR_SZ] = DEFAULT;
103 static char role_defprof[STR_SZ] = DEFROLEPROF; /* role! */
104 static char role_defprojname[STR_SZ] = DEFPROJNAME;
105 static char role_deflimpriv[STR_SZ] = DEFLIMPRIV;
106 static char role_defdfltpriv[STR_SZ] = DEFDFLTPRIV;
107 static char role_deflock_a_r[STR_SZ] = DEFLOCK_AFTER_RETRIES;

109 static struct userdefs roledefs = {
110     DEFRID,
111     DEFGROUP,
112     role_defgname,
113     role_defparent,
114     role_defskel,
115     role_defshell,
116     DEFINACT,
117     role_defexpire,
118     role_defauth,
119     role_defprof,
120     "", /* not changeable */
121     DEFPROJ,
122     role_defprojname,
123     role_deflimpriv,
124     role_defdfltpriv,
125     role_deflock_a_r
126 };

```

```

128 #define INT      0
129 #define STR      1
130 #define PROJID   2

132 #define DEFOFF(field)      offsetof(struct userdefs, field)
133 #define FIELD(up, pe, type)  (*(type *)((char *) (up) + (pe) -> off))

135 typedef struct parsent {
136     const char *name;          /* deffoo= */
137     const size_t nmsz;        /* length of def= string (excluding \0) */
138     const int type;           /* type of entry */
139     const ptrdiff_t off;      /* offset in userdefs structure */
140     const char *uakey;        /* user_attr key, if defined */
141 } parsent_t;

143 /* BEGIN CSTYLED */
144 static const parsent_t tab[] = {
145     { RIDSTR,      sizeof (RIDSTR) - 1,    INT,    DEFOFF(defrid) },
146     { GIDSTR,      sizeof (GIDSTR) - 1,    INT,    DEFOFF(defgroup) },
147     { GNAMSTR,     sizeof (GNAMSTR) - 1,    STR,    DEFOFF(defgname) },
148     { PARSTR,      sizeof (PARSTR) - 1,    STR,    DEFOFF(defparent) },
149     { SKLSTR,      sizeof (SKLSTR) - 1,    STR,    DEFOFF(defskel) },
150     { SHELLSTR,    sizeof (SHELLSTR) - 1,  STR,    DEFOFF(defshell) },
151     { INACTSTR,    sizeof (INACTSTR) - 1,  INT,    DEFOFF(definact) },
152     { EXPIRESTR,   sizeof (EXPIRESTR) - 1, STR,    DEFOFF(defexpire) },
153     { AUTHSTR,     sizeof (AUTHSTR) - 1,   STR,    DEFOFF(defauth),
154     USERATTR_AUTHS_KW },
155     { PROFSTR,     sizeof (PROFSTR) - 1,   STR,    DEFOFF(defprof),
156     USERATTR_PROFILES_KW },
157     { ROLESTR,     sizeof (ROLESTR) - 1,   STR,    DEFOFF(defrole),
158     USERATTR_ROLES_KW },
159     { PROJSTR,     sizeof (PROJSTR) - 1,   PROJID, DEFOFF(defproj) },
160     { PROJNMSTR,   sizeof (PROJNMSTR) - 1, STR,    DEFOFF(defprojname) },
161     { LIMPRSTR,    sizeof (LIMPRSTR) - 1,  STR,    DEFOFF(deflimpriv),
162     USERATTR_LIMPRIV_KW },
163     { DFLTPRSTR,   sizeof (DFLTPRSTR) - 1, STR,    DEFOFF(defdfiltpriv),
164     USERATTR_DFLTPRIV_KW },
165     { LOCK_AFTER_RETRIESSTR, sizeof (LOCK_AFTER_RETRIESSTR) - 1,
166     STR,    DEFOFF(deflock_after_retries),
167     USERATTR_LOCK_AFTER_RETRIES_KW },
168 };
169 /* END CSTYLED */

171 #define NDEF      (sizeof (tab) / sizeof (parsent_t))

173 static const parsent_t *
174 scan(char **start_p)
175 {
176     static int ind = NDEF - 1;
177     char *cur_p = *start_p;
178     int lastind = ind;

180     if (!*cur_p || *cur_p == '\n' || *cur_p == '#')
181         return (NULL);

183     /*
184      * The magic in this loop is remembering the last index when
185      * reentering the function; the entries above are also used to
186      * order the output to the default file.
187      */
188     do {
189         ind++;
190         ind %= NDEF;

192         if (strncmp(cur_p, tab[ind].name, tab[ind].nmsz) == 0) {
193             *start_p = cur_p + tab[ind].nmsz;

```

```

194         return (&tab[ind]);
195     } while (ind != lastind);

198     return (NULL);
199 }

201 /*
202  * getusrdef - access the user defaults file.  If it doesn't exist,
203  * then returns default values of (values in userdefs.h):
204  * defrid = 100
205  * defgroup = 1
206  * defgname = other
207  * defparent = /home
208  * defskel = /usr/sadm/skel
209  * defshell = /bin/sh
210  * definact = 0
211  * defexpire = 0
212  * defauth = 0
213  * defprof = 0
214  * defrole = 0
215  *
216  * If getusrdef() is unable to access the defaults file, it
217  * returns a NULL pointer.
218  *
219  * If user defaults file exists, then getusrdef uses values
220  * in it to override the above values.
221  *
222  * Note that the userdefs_loaded, roledefs_loaded flags are
223  * more than an optimization.  Once we've return the struct
224  * to the caller, they may change any of the string members
225  * with pointers to constant strings etc.  If we were to run
226  * fread_defs() after that, it could segv trying to copy the
227  * strings from the scanner onto those constant strings.
228  */

230 static int roledefs_loaded = 0;

232 struct userdefs *
233 _get_roledefs()
234 {
235     FILE *fp;

237     if (roledefs_loaded == 0) {

239         fp = fopen(ODEFROLEFILE, "r");
240         if (fp != NULL) {
241             fread_defs(fp, &roledefs, B_TRUE);
242             (void) fclose(fp);
243         }

245         fp = fopen(DEFROLEFILE, "r");
246         if (fp != NULL) {
247             fread_defs(fp, &roledefs, B_TRUE);
248             (void) fclose(fp);
249         }

251         roledefs_loaded = 1;
252     }
253     return (&roledefs);
254 }

256 static int userdefs_loaded = 0;

258 struct userdefs *
259 _get_userdefs()

```

```

260 {
261     FILE *fp;

263     if (userdefs_loaded == 0) {

265         fp = fopen(ODEFFILE, "r");
266         if (fp != NULL) {
267             fread_defs(fp, &userdefs, B_FALSE);
268             (void) fclose(fp);
269         }

271         fp = fopen(DEFFILE, "r");
272         if (fp != NULL) {
273             fread_defs(fp, &userdefs, B_FALSE);
274             (void) fclose(fp);
275         }

277         userdefs_loaded = 1;
278     }
279     return (&userdefs);
280 }

282 void
283 fread_defs(FILE *fp, struct userdefs *ud, boolean_t role)
284 {
285     char instr[STR_SZ], *ptr;
286     const parsent_t *pe;

288     while (fgets(instr, sizeof (instr), fp) != NULL) {
289         ptr = instr;

291         SKIPWS(ptr);

293         if (*ptr == '#')
294             continue;

296         pe = scan(&ptr);

298         if (pe != NULL) {
299             /*
300              * If reading a role file, should not see defrole,
301              * but in case we do, just skip it.
302              */
303             if (role && pe->off == DEFOFF(defrole))
304                 continue;

306             switch (pe->type) {
307                 case INT:
308                     FIELD(ud, pe, int) =
309                         (int)strtol(ptr, NULL, 10);
310                     break;
311                 case PROJID:
312                     FIELD(ud, pe, projid_t) =
313                         (projid_t)strtol(ptr, NULL, 10);
314                     break;
315                 case STR:
316                     /*
317                      * Copy into static storage here (avoiding
318                      * strdup) so _get_userdefs() doesn't leak.
319                      * In here we know the userdefs struct has
320                      * all STR struct members pointing to our
321                      * static buffers of size STR_SZ.
322                      */
323                     (void) strncpy(FIELD(ud, pe, char *),
324                                   zap_nl(ptr), STR_SZ);
325                     break;

```

```

326     }
327     }
328     }
329 }

331 static char *
332 zap_nl(char *s)
333 {
334     char *p = strchr(s, '\n');
335     if (p != NULL)
336         *p = '\0';

338     return (s);
339 }

341 extern int
342 fwrite_roledefs(struct __FILE *fp, struct userdefs *defs)
343 {
344     ptrdiff_t skip;
345     char *hdr;

347     /* This is a role, so we must skip the defrole field */
348     skip = offsetof(struct userdefs, defrole);
349     hdr = FHEADER_ROLE;

351     return (fwrite_defs(fp, defs, hdr, skip));
352 }

354 extern int
355 fwrite_userdefs(struct __FILE *fp, struct userdefs *defs)
356 {
357     ptrdiff_t skip;
358     char *hdr;

360     skip = -1;
361     hdr = FHEADER;

363     return (fwrite_defs(fp, defs, hdr, skip));
364 }

366 /*
367  * fwrite_defs
368  *   changes default values in defadduser file
369  * Returns:
370  * <= 0: error
371  * > 0: success
372  */
373 static int
374 fwrite_defs(FILE *fp, struct userdefs *defs, char *hdr, ptrdiff_t skip)
375 {
376     time_t timeval;          /* time value from time */
377     int i, res;

379     /*
380     * file format is:
381     * #<tab>Default values for adduser.  Changed mm/dd/yy hh:mm:ss.
382     * defgroup=m      (m=default group id)
383     * defgroup=str1   (str1=default group name)
384     * defparent=str2  (str2=default base directory)
385     * definactive=x   (x=default inactive)
386     * defexpire=y     (y=default expire)
387     * defproj=z       (z=numeric project id)
388     * defprojname=str3 (str3=default project name)
389     * ... etc ...
390     */

```

```

392  /* get time */
393  timeval = time(NULL);

395  /* write it to file */
396  res = fprintf(fp, "%s%s\n", hdr, ctime(&timeval));
397  if (res <= 0)
398      return (res);

400  for (i = 0; i < NDEF; i++) {
401      res = 0;

403          if (tab[i].off == skip)
404              continue;

406          switch (tab[i].type) {
407              case INT:
408                  res = fprintf(fp, "%s%d\n", tab[i].name,
409                               FIELD(defs, &tab[i], int));
410                  break;
411              case STR:
412                  res = fprintf(fp, "%s%s\n", tab[i].name,
413                               FIELD(defs, &tab[i], char *));
414                  break;
415              case PROJID:
416                  res = fprintf(fp, "%s%d\n", tab[i].name,
417                               (int)FIELD(defs, &tab[i], projid_t));
418                  break;
419          }

421          if (res <= 0) {
422              return (res);
423          }
424      }

426      return (1);
427 }

429 /*
430  * Import a default key for ordinary useradd.
431  * Caller already did: ud = getusrdef();
432  */
433 char *
434 userdef_get_by_uakey(struct userdefs *ud, const char *key)
435 {
436     int i;

438     for (i = 0; i < NDEF; i++) {
439         if (tab[i].uakey != NULL &&
440             tab[i].type == STR &&
441             strcmp(tab[i].uakey, key) == 0)
442             return (FIELD(ud, &tab[i], char *));
443     }
444     return (NULL);
445 }

447 /* Export a command line key to defaults for useradd -D */
448 void
449 userdef_set_by_uakey(struct userdefs *ud, const char *key, char *val)
450 {
451     int i;

453     for (i = 0; i < NDEF; i++) {
454         if (tab[i].uakey != NULL &&
455             tab[i].type == STR &&
456             strcmp(tab[i].uakey, key) == 0) {
457             /*

```

```

458         * Don't strcpy here because the calling program
459         * may have changed the struct member to point to
460         * something other than our static buffers.
461         * If this leaks, it's the caller's fault.
462         */
463         FIELD(ud, &tab[i], char *) = val;
464     }
465 }
466 }

```

new/usr/src/lib/libuserdefs/common/l1ib-luserdefs

1

1029 Mon Mar 27 17:24:31 2017

new/usr/src/lib/libuserdefs/common/l1ib-luserdefs

Add libuserdefs and use in cmd/{oamuser,passwd}

```
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License, Version 1.0 only
6  * (the "License"). You may not use this file except in compliance
7  * with the License.
8  *
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10 * or http://www.opensolaris.org/os/licensing.
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12 * and limitations under the License.
13 *
14 * When distributing Covered Code, include this CDDL HEADER in each
15 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 * If applicable, add the following below this CDDL HEADER, with the
17 * fields enclosed by brackets "[]" replaced with your own identifying
18 * information: Portions Copyright [yyyy] [name of copyright owner]
19 *
20 * CDDL HEADER END
21 */
22 /*
23 * Copyright 2004 Sun Microsystems, Inc. All rights reserved.
24 * Use is subject to license terms.
25 */

27 /* LINTLIBRARY */
28 /* PROTOLIB1 */

30 #include <sys/types.h>
31 #include <userdefs.h>
```

new/usr/src/lib/libuserdefs/common/mapfile-vers

1

1475 Mon Mar 27 17:24:32 2017

new/usr/src/lib/libuserdefs/common/mapfile-vers

Add libuserdefs and use in cmd/{oamuser,passwd}

```
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2 # CDDL HEADER START
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6 # You may not use this file except in compliance with the License.
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8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
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14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright (c) 2006, 2010, Oracle and/or its affiliates. All rights reserved.
23 # Copyright 2016 Gordon W. Ross
24 #
25 #
26 #
27 # MAPFILE HEADER START
28 #
29 # WARNING: STOP NOW. DO NOT MODIFY THIS FILE.
30 # Object versioning must comply with the rules detailed in
31 #
32 #     usr/src/lib/README.mapfiles
33 #
34 # You should not be making modifications here until you've read the most current
35 # copy of that file. If you need help, contact a gatekeeper for guidance.
36 #
37 # MAPFILE HEADER END
38 #
39 #
40 $mapfile_version 2
41 #
42 SYMBOL_VERSION SUNWprivate_1.1 {
43     global:
44         _get_roledefs;
45         _get_userdefs;
46         fread_defs;
47         fwrite_roledefs;
48         fwrite_userdefs;
49         userdef_set_by_uakey;
50         userdef_get_by_uakey;
51 #
52     local:
53         *;
54 };
```

new/usr/src/lib/libuserdefs/i386/Makefile

1

997 Mon Mar 27 17:24:32 2017

new/usr/src/lib/libuserdefs/i386/Makefile

Add libuserdefs and use in cmd/{oamuser,passwd}

```
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12 # and limitations under the License.
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15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
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17 # fields enclosed by brackets "[]" replaced with your own identifying
18 # information: Portions Copyright [yyyy] [name of copyright owner]
19 #
20 # CDDL HEADER END
21 #
22 #
23 # Copyright 2003 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #

27 include ../Makefile.com

29 install: all $(ROOTLIBS) $(ROOTLINKS) $(ROOTLINT)
```

new/usr/src/lib/libuserdefs/sparc/Makefile

1

997 Mon Mar 27 17:24:32 2017

new/usr/src/lib/libuserdefs/sparc/Makefile

Add libuserdefs and use in cmd/{oamuser,passwd}

```
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12 # and limitations under the License.
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19 #
20 # CDDL HEADER END
21 #
22 #
23 # Copyright 2003 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #

27 include ../Makefile.com

29 install: all $(ROOTLIBS) $(ROOTLINKS) $(ROOTLINT)
```


new/usr/src/lib/pam_modules/unix_auth/unix_auth.c

1

8871 Mon Mar 27 17:24:32 2017

new/usr/src/lib/pam_modules/unix_auth/unix_auth.c

Remove include userdefs.h where not needed

```
1 /*
2  * CDDL HEADER START
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11 * and limitations under the License.
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16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21 /*
22 * Copyright 2009 Sun Microsystems, Inc. All rights reserved.
23 * Use is subject to license terms.
24 */
```

```
27 #include <stdlib.h>
28 #include <pwd.h>
29 #include <shadow.h>
30 #include <syslog.h>
31 #include <errno.h>
32 #include <string.h>
33 #include <crypt.h>
34 #include <unistd.h>
35 #include <user_attr.h>
36 #include <auth_attr.h>
37 #include <userdefs.h>
38 #include <deflt.h>
39 #include <sys/stat.h>
40 #include <sys/param.h>
41 #include <stdarg.h>
42 #include <security/pam_appl.h>
43 #include <security/pam_modules.h>
44 #include <security/pam_impl.h>
45 #include <libintl.h>
46 #include <libint1.h>
47 #include <passwdutil.h>
48 #include <libint1.h>
49 #define LOGINADMIN "/etc/default/login"
50 #define MAXTRYS 5
51 #define MAXTRYS 5
52
53 /*PRINTFLIKE2*/
54 void
55 error(pam_handle_t *pamh, char *fmt, ...)
56 {
57     va_list ap;
58     char messages[1][PAM_MAX_MSG_SIZE];
59
60     va_start(ap, fmt);
```

new/usr/src/lib/pam_modules/unix_auth/unix_auth.c

2

```
61     (void) vsnprintf(messages[0], sizeof (messages[0]), fmt, ap);
62     (void) __pam_display_msg(pamh, PAM_ERROR_MSG, 1, messages, NULL);
63     va_end(ap);
64 }
_____unchanged_portion_omitted_____
```

new/usr/src/pkg/manifests/developer-library-lint.mf

1

```
*****
24668 Mon Mar 27 17:24:32 2017
new/usr/src/pkg/manifests/developer-library-lint.mf
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
1 #
2 # CDDL HEADER START
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4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
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18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 OmniTI Computer Consulting, Inc. All rights reserved.
25 # Copyright 2014 Nexenta Systems, Inc. All rights reserved.
26 #
27 #
28 set name=pkg.fmri value=pkg:/developer/library/lint@$(PKGVERS)
29 set name=pkg.description \
30 value="lint libraries and startup objects for software development"
31 set name=pkg.summary value="Lint Libraries"
32 set name=info.classification value=org.opensolaris.category.2008:Development/C
33 set name=variant.arch value=$(ARCH)
34 dir path=lib
35 dir path=lib/$(ARCH64)
36 dir path=usr group=sys
37 dir path=usr/ccs
38 dir path=usr/ccs/lib
39 dir path=usr/ccs/lib/$(ARCH64)
40 dir path=usr/lib
41 dir path=usr/lib/$(ARCH64)
42 dir path=usr/lib/scsi
43 dir path=usr/lib/scsi/$(ARCH64)
44 dir path=usr/xpg4
45 dir path=usr/xpg4/lib
46 dir path=usr/xpg4/lib/$(ARCH64)
47 file path=lib/$(ARCH64)/llib-ladm.ln
48 file path=lib/$(ARCH64)/llib-laio.ln
49 file path=lib/$(ARCH64)/llib-lavl.ln
50 file path=lib/$(ARCH64)/llib-lbsm.ln
51 file path=lib/$(ARCH64)/llib-lc.ln
52 file path=lib/$(ARCH64)/llib-lc_db.ln
53 file path=lib/$(ARCH64)/llib-lcontract.ln
54 file path=lib/$(ARCH64)/llib-lcryptoutil.ln
55 file path=lib/$(ARCH64)/llib-lctf.ln
56 file path=lib/$(ARCH64)/llib-lcurses.ln
57 file path=lib/$(ARCH64)/llib-ldevice.ln
58 file path=lib/$(ARCH64)/llib-ldevinfo.ln
59 file path=lib/$(ARCH64)/llib-ldevinfo.ln
60 file path=lib/$(ARCH64)/llib-ldl.ln
61 file path=lib/$(ARCH64)/llib-ldladm.ln
```

new/usr/src/pkg/manifests/developer-library-lint.mf

2

```
62 file path=lib/$(ARCH64)/llib-ldlpi.ln
63 file path=lib/$(ARCH64)/llib-ldoor.ln
64 file path=lib/$(ARCH64)/llib-lefi.ln
65 file path=lib/$(ARCH64)/llib-lelf.ln
66 $(i386_ONLY)file path=lib/$(ARCH64)/llib-lfdisk.ln
67 file path=lib/$(ARCH64)/llib-lgen.ln
68 file path=lib/$(ARCH64)/llib-lintl.ln
69 file path=lib/$(ARCH64)/llib-lkmf.ln
70 file path=lib/$(ARCH64)/llib-lkmfberder.ln
71 file path=lib/$(ARCH64)/llib-lkstat.ln
72 file path=lib/$(ARCH64)/llib-lmd.ln
73 file path=lib/$(ARCH64)/llib-lmd5.ln
74 file path=lib/$(ARCH64)/llib-lnsl.ln
75 file path=lib/$(ARCH64)/llib-lnvpair.ln
76 file path=lib/$(ARCH64)/llib-lpam.ln
77 file path=lib/$(ARCH64)/llib-lproc.ln
78 file path=lib/$(ARCH64)/llib-lpthread.ln
79 file path=lib/$(ARCH64)/llib-lrcm.ln
80 file path=lib/$(ARCH64)/llib-lresolv.ln
81 file path=lib/$(ARCH64)/llib-lrpcsvc.ln
82 file path=lib/$(ARCH64)/llib-lrt.ln
83 file path=lib/$(ARCH64)/llib-lrtld_db.ln
84 file path=lib/$(ARCH64)/llib-lscf.ln
85 file path=lib/$(ARCH64)/llib-lsec.ln
86 file path=lib/$(ARCH64)/llib-lsecdb.ln
87 file path=lib/$(ARCH64)/llib-lsendfile.ln
88 file path=lib/$(ARCH64)/llib-lsocket.ln
89 file path=lib/$(ARCH64)/llib-lsysevent.ln
90 file path=lib/$(ARCH64)/llib-ltermcap.ln
91 file path=lib/$(ARCH64)/llib-lthread.ln
92 file path=lib/$(ARCH64)/llib-ltsnet.ln
93 file path=lib/$(ARCH64)/llib-ltsol.ln
94 file path=lib/$(ARCH64)/llib-lumem.ln
95 file path=lib/$(ARCH64)/llib-luuid.ln
96 $(i386_ONLY)file path=lib/$(ARCH64)/llib-luutil.ln
97 file path=lib/$(ARCH64)/llib-lxnet.ln
98 file path=lib/llib-ladm
99 file path=lib/llib-ladm.ln
100 file path=lib/llib-laio
101 file path=lib/llib-laio.ln
102 file path=lib/llib-lavl
103 file path=lib/llib-lavl.ln
104 file path=lib/llib-lbsm
105 file path=lib/llib-lbsm.ln
106 file path=lib/llib-lc
107 file path=lib/llib-lc.ln
108 file path=lib/llib-lc_db
109 file path=lib/llib-lc_db.ln
110 file path=lib/llib-lcontract
111 file path=lib/llib-lcontract.ln
112 file path=lib/llib-lcryptoutil
113 file path=lib/llib-lcryptoutil.ln
114 file path=lib/llib-lctf
115 file path=lib/llib-lctf.ln
116 file path=lib/llib-lcurses
117 file path=lib/llib-lcurses.ln
118 file path=lib/llib-ldevice
119 file path=lib/llib-ldevice.ln
120 file path=lib/llib-ldevid
121 file path=lib/llib-ldevid.ln
122 file path=lib/llib-ldevinfo
123 file path=lib/llib-ldevinfo.ln
124 file path=lib/llib-ldl
125 file path=lib/llib-ldl.ln
126 file path=lib/llib-ldladm
127 file path=lib/llib-ldladm.ln
```

```

128 file path=lib/llib-ldlpi
129 file path=lib/llib-ldlpi.ln
130 file path=lib/llib-ldoor
131 file path=lib/llib-ldoor.ln
132 file path=lib/llib-lefi
133 file path=lib/llib-lefi.ln
134 file path=lib/llib-lelf
135 file path=lib/llib-lelf.ln
136 $(i386_ONLY)file path=lib/llib-lfdisk
137 $(i386_ONLY)file path=lib/llib-lfdisk.ln
138 file path=lib/llib-lgen
139 file path=lib/llib-lgen.ln
140 file path=lib/llib-lintl
141 file path=lib/llib-lintl.ln
142 file path=lib/llib-lipmp
143 file path=lib/llib-lipmp.ln
144 file path=lib/llib-lkmf.ln
145 file path=lib/llib-lkmfberder.ln
146 file path=lib/llib-lkstat
147 file path=lib/llib-lkstat.ln
148 file path=lib/llib-lmd
149 file path=lib/llib-lmd.ln
150 file path=lib/llib-lmd5
151 file path=lib/llib-lmd5.ln
152 file path=lib/llib-lnsl
153 file path=lib/llib-lnsl.ln
154 file path=lib/llib-lnvpair
155 file path=lib/llib-lnvpair.ln
156 file path=lib/llib-lnwam
157 file path=lib/llib-lnwam.ln
158 file path=lib/llib-lpam
159 file path=lib/llib-lpam.ln
160 file path=lib/llib-lproc
161 file path=lib/llib-lproc.ln
162 file path=lib/llib-lpthread
163 file path=lib/llib-lpthread.ln
164 file path=lib/llib-lrcm
165 file path=lib/llib-lrcm.ln
166 file path=lib/llib-lresolv
167 file path=lib/llib-lresolv.ln
168 file path=lib/llib-lrpcsvc
169 file path=lib/llib-lrpcsvc.ln
170 file path=lib/llib-lrt
171 file path=lib/llib-lrt.ln
172 file path=lib/llib-lrtld_db
173 file path=lib/llib-lrtld_db.ln
174 file path=lib/llib-lscf
175 file path=lib/llib-lscf.ln
176 file path=lib/llib-lsec
177 file path=lib/llib-lsec.ln
178 file path=lib/llib-lsecdb
179 file path=lib/llib-lsecdb.ln
180 file path=lib/llib-lsendfile
181 file path=lib/llib-lsendfile.ln
182 file path=lib/llib-lsocket
183 file path=lib/llib-lsocket.ln
184 file path=lib/llib-lsysevent
185 file path=lib/llib-lsysevent.ln
186 file path=lib/llib-ltermcap
187 file path=lib/llib-ltermcap.ln
188 file path=lib/llib-lthread
189 file path=lib/llib-lthread.ln
190 file path=lib/llib-ltsnet
191 file path=lib/llib-ltsnet.ln
192 file path=lib/llib-ltsol
193 file path=lib/llib-ltsol.ln

```

```

194 file path=lib/llib-lumem
195 file path=lib/llib-lumem.ln
196 file path=lib/llib-luuid
197 file path=lib/llib-luuid.ln
198 file path=lib/llib-lxnet
199 file path=lib/llib-lxnet.ln
200 $(i386_ONLY)file path=usr/lib/$(ARCH64)/crt1.o
201 file path=usr/lib/$(ARCH64)/crti.o
202 file path=usr/lib/$(ARCH64)/crtn.o
203 $(i386_ONLY)file path=usr/lib/$(ARCH64)/gcrt1.o
204 file path=usr/lib/$(ARCH64)/llib-lads.ln
205 file path=usr/lib/$(ARCH64)/llib-ladutils.ln
206 file path=usr/lib/$(ARCH64)/llib-lbsdmalloc.ln
207 file path=usr/lib/$(ARCH64)/llib-lcfgadm.ln
208 file path=usr/lib/$(ARCH64)/llib-lcommutil.ln
209 file path=usr/lib/$(ARCH64)/llib-lcrypt.ln
210 file path=usr/lib/$(ARCH64)/llib-lexact.ln
211 file path=usr/lib/$(ARCH64)/llib-lform.ln
212 file path=usr/lib/$(ARCH64)/llib-lfstyp.ln
213 file path=usr/lib/$(ARCH64)/llib-lgss.ln
214 file path=usr/lib/$(ARCH64)/llib-lhotplug.ln
215 file path=usr/lib/$(ARCH64)/llib-lidmap.ln
216 file path=usr/lib/$(ARCH64)/llib-lipmi.ln
217 file path=usr/lib/$(ARCH64)/llib-lipp.ln
218 file path=usr/lib/$(ARCH64)/llib-lkvm.ln
219 file path=usr/lib/$(ARCH64)/llib-lldap.ln
220 file path=usr/lib/$(ARCH64)/llib-llgrp.ln
221 file path=usr/lib/$(ARCH64)/llib-lmail.ln
222 file path=usr/lib/$(ARCH64)/llib-lmalloc.ln
223 file path=usr/lib/$(ARCH64)/llib-lmapmalloc.ln
224 file path=usr/lib/$(ARCH64)/llib-lmenu.ln
225 file path=usr/lib/$(ARCH64)/llib-lmtmalloc.ln
226 file path=usr/lib/$(ARCH64)/llib-lnls.ln
227 file path=usr/lib/$(ARCH64)/llib-lpanel.ln
228 file path=usr/lib/$(ARCH64)/llib-lpasswdutil.ln
229 file path=usr/lib/$(ARCH64)/llib-lpkcs11.ln
230 file path=usr/lib/$(ARCH64)/llib-lproject.ln
231 file path=usr/lib/$(ARCH64)/llib-lreparse.ln
232 file path=usr/lib/$(ARCH64)/llib-lsas1.ln
233 file path=usr/lib/$(ARCH64)/llib-lsched.ln
234 file path=usr/lib/$(ARCH64)/llib-lsctp.ln
235 file path=usr/lib/$(ARCH64)/llib-lshare.ln
236 file path=usr/lib/$(ARCH64)/llib-lsip.ln
237 file path=usr/lib/$(ARCH64)/llib-lslldap.ln
238 file path=usr/lib/$(ARCH64)/llib-lsmbios.ln
239 $(sparc_ONLY)file path=usr/lib/$(ARCH64)/llib-lv12n.ln
240 file path=usr/lib/$(ARCH64)/llib-lvolmgt.ln
241 file path=usr/lib/$(ARCH64)/llib-lwrap.ln
242 file path=usr/lib/$(ARCH64)/llib-lzoneinfo.ln
243 file path=usr/lib/$(ARCH64)/values-Xa.o
244 file path=usr/lib/$(ARCH64)/values-Xc.o
245 file path=usr/lib/$(ARCH64)/values-Xs.o
246 file path=usr/lib/$(ARCH64)/values-Xt.o
247 file path=usr/lib/$(ARCH64)/values-xpg4.o
248 file path=usr/lib/$(ARCH64)/values-xpg6.o
249 $(i386_ONLY)file path=usr/lib/crt1.o
250 file path=usr/lib/crti.o
251 file path=usr/lib/crtn.o
252 $(i386_ONLY)file path=usr/lib/gcrt1.o
253 file path=usr/lib/llib-lads
254 file path=usr/lib/llib-lads.ln
255 file path=usr/lib/llib-ladutils
256 file path=usr/lib/llib-ladutils.ln
257 file path=usr/lib/llib-lbsdmalloc
258 file path=usr/lib/llib-lbsdmalloc.ln
259 file path=usr/lib/llib-lcfgadm

```

```

260 file path=usr/lib/llib-lcfgadm.ln
261 file path=usr/lib/llib-lcommutil
262 file path=usr/lib/llib-lcommutil.ln
263 file path=usr/lib/llib-lcrypt
264 file path=usr/lib/llib-lcrypt.ln
265 file path=usr/lib/llib-lexacct
266 file path=usr/lib/llib-lexacct.ln
267 file path=usr/lib/llib-lform
268 file path=usr/lib/llib-lform.ln
269 file path=usr/lib/llib-lfstyp
270 file path=usr/lib/llib-lfstyp.ln
271 file path=usr/lib/llib-lgss
272 file path=usr/lib/llib-lgss.ln
273 file path=usr/lib/llib-lhotplug
274 file path=usr/lib/llib-lhotplug.ln
275 file path=usr/lib/llib-lidmap
276 file path=usr/lib/llib-lidmap.ln
277 file path=usr/lib/llib-lipmi
278 file path=usr/lib/llib-lipmi.ln
279 file path=usr/lib/llib-lipp
280 file path=usr/lib/llib-lipp.ln
281 file path=usr/lib/llib-lkvm
282 file path=usr/lib/llib-lkvm.ln
283 file path=usr/lib/llib-lldap
284 file path=usr/lib/llib-lldap.ln
285 file path=usr/lib/llib-llgrp
286 file path=usr/lib/llib-llgrp.ln
287 file path=usr/lib/llib-lmail
288 file path=usr/lib/llib-lmail.ln
289 file path=usr/lib/llib-lmalloc
290 file path=usr/lib/llib-lmalloc.ln
291 file path=usr/lib/llib-lmapmalloc
292 file path=usr/lib/llib-lmapmalloc.ln
293 file path=usr/lib/llib-lmenu
294 file path=usr/lib/llib-lmenu.ln
295 file path=usr/lib/llib-lmtmalloc.ln
296 file path=usr/lib/llib-lnls
297 file path=usr/lib/llib-lnls.ln
298 file path=usr/lib/llib-lpanel
299 file path=usr/lib/llib-lpanel.ln
300 file path=usr/lib/llib-lpasswdutil
301 file path=usr/lib/llib-lpasswdutil.ln
302 file path=usr/lib/llib-lpkcs11
303 file path=usr/lib/llib-lpkcs11.ln
304 file path=usr/lib/llib-lproject
305 file path=usr/lib/llib-lproject.ln
306 file path=usr/lib/llib-lreparse
307 file path=usr/lib/llib-lreparse.ln
308 file path=usr/lib/llib-lsas1
309 file path=usr/lib/llib-lsas1.ln
310 file path=usr/lib/llib-lsched
311 file path=usr/lib/llib-lsched.ln
312 file path=usr/lib/llib-lsctp
313 file path=usr/lib/llib-lsctp.ln
314 file path=usr/lib/llib-lshare
315 file path=usr/lib/llib-lshare.ln
316 file path=usr/lib/llib-lsip
317 file path=usr/lib/llib-lsip.ln
318 file path=usr/lib/llib-lslldap
319 file path=usr/lib/llib-lslldap.ln
320 file path=usr/lib/llib-lsmbios
321 file path=usr/lib/llib-lsmbios.ln
322 file path=usr/lib/llib-luserdefs
323 file path=usr/lib/llib-luserdefs.ln
324 $(sparc_ONLY)file path=usr/lib/llib-lv12n
325 $(sparc_ONLY)file path=usr/lib/llib-lv12n.ln

```

```

326 file path=usr/lib/llib-lvolmgt
327 file path=usr/lib/llib-lvolmgt.ln
328 file path=usr/lib/llib-lwrap
329 file path=usr/lib/llib-lwrap.ln
330 file path=usr/lib/llib-lzoneinfo
331 file path=usr/lib/llib-lzoneinfo.ln
332 file path=usr/lib/scsi/$(ARCH64)/llib-lscsi.ln
333 file path=usr/lib/scsi/$(ARCH64)/llib-lses.ln
334 file path=usr/lib/scsi/$(ARCH64)/llib-lsmp.ln
335 file path=usr/lib/scsi/llib-lscsi
336 file path=usr/lib/scsi/llib-lscsi.ln
337 file path=usr/lib/scsi/llib-lses
338 file path=usr/lib/scsi/llib-lses.ln
339 file path=usr/lib/scsi/llib-lsmp
340 file path=usr/lib/scsi/llib-lsmp.ln
341 file path=usr/lib/values-Xa.o
342 file path=usr/lib/values-Xc.o
343 file path=usr/lib/values-Xs.o
344 file path=usr/lib/values-Xt.o
345 file path=usr/lib/values-xpg4.o
346 file path=usr/lib/values-xpg6.o
347 file path=usr/xpg4/lib/$(ARCH64)/llib-lcurses.ln
348 file path=usr/xpg4/lib/llib-lcurses
349 file path=usr/xpg4/lib/llib-lcurses.ln
350 legacy pkg=SUNWarc \
351   desc="lint libraries and startup objects for software development" \
352   name="Lint Libraries (usr)"
353 legacy pkg=SUNWarc desc="lint libraries for software development" \
354   name="Lint Libraries (root)"
355 license cr_Sun license=cr_Sun
356 license lic_CDDL license=lic_CDDL
357 link path=lib/$(ARCH64)/llib-lposix4.ln target=./llib-lrt.ln
358 link path=lib/$(ARCH64)/llib-lterm.lib.ln target=./llib-lcurses.ln
359 link path=lib/llib-lposix4 target=./llib-lrt
360 link path=lib/llib-lposix4.ln target=./llib-lrt.ln
361 link path=lib/llib-lterm.lib target=./llib-lcurses
362 link path=lib/llib-lterm.lib.ln target=./llib-lcurses.ln
363 link path=usr/ccs/lib/$(ARCH64)/llib-lcurses.ln \
364   target=../../../../lib/$(ARCH64)/llib-lcurses.ln
365 link path=usr/ccs/lib/$(ARCH64)/llib-lform.ln \
366   target=../../../../lib/$(ARCH64)/llib-lform.ln
367 link path=usr/ccs/lib/$(ARCH64)/llib-lgen.ln \
368   target=../../../../lib/$(ARCH64)/llib-lgen.ln
369 link path=usr/ccs/lib/$(ARCH64)/llib-ll.ln \
370   target=../../../../lib/$(ARCH64)/llib-ll.ln
371 link path=usr/ccs/lib/$(ARCH64)/llib-lmenu.ln \
372   target=../../../../lib/$(ARCH64)/llib-lmenu.ln
373 link path=usr/ccs/lib/$(ARCH64)/llib-lpanel.ln \
374   target=../../../../lib/$(ARCH64)/llib-lpanel.ln
375 link path=usr/ccs/lib/$(ARCH64)/llib-ltermcap.ln \
376   target=../../../../lib/$(ARCH64)/llib-ltermcap.ln
377 link path=usr/ccs/lib/$(ARCH64)/llib-lterm.lib.ln \
378   target=../../../../lib/$(ARCH64)/llib-lcurses.ln
379 link path=usr/ccs/lib/$(ARCH64)/llib-ly.ln \
380   target=../../../../lib/$(ARCH64)/llib-ly.ln
381 link path=usr/ccs/lib/$(ARCH64)/values-Xa.o \
382   target=../../../../lib/$(ARCH64)/values-Xa.o
383 link path=usr/ccs/lib/$(ARCH64)/values-Xc.o \
384   target=../../../../lib/$(ARCH64)/values-Xc.o
385 link path=usr/ccs/lib/$(ARCH64)/values-Xs.o \
386   target=../../../../lib/$(ARCH64)/values-Xs.o
387 link path=usr/ccs/lib/$(ARCH64)/values-Xt.o \
388   target=../../../../lib/$(ARCH64)/values-Xt.o
389 link path=usr/ccs/lib/$(ARCH64)/values-xpg4.o \
390   target=../../../../lib/$(ARCH64)/values-xpg4.o
391 link path=usr/ccs/lib/$(ARCH64)/values-xpg6.o \

```

```

392 target=../../../../lib/$(ARCH64)/values-xpg6.o
393 link path=usr/ccs/lib/llib-lcurses target=../../../../lib/llib-lcurses
394 link path=usr/ccs/lib/llib-lcurses.ln target=../../../../lib/llib-lcurses.ln
395 link path=usr/ccs/lib/llib-lform target=../../../../lib/llib-lform
396 link path=usr/ccs/lib/llib-lform.ln target=../../../../lib/llib-lform.ln
397 link path=usr/ccs/lib/llib-lgen target=../../../../lib/llib-lgen
398 link path=usr/ccs/lib/llib-lgen.ln target=../../../../lib/llib-lgen.ln
399 link path=usr/ccs/lib/llib-lmenu target=../../../../lib/llib-lmenu
400 link path=usr/ccs/lib/llib-lmenu.ln target=../../../../lib/llib-lmenu.ln
401 link path=usr/ccs/lib/llib-lpanel target=../../../../lib/llib-lpanel
402 link path=usr/ccs/lib/llib-lpanel.ln target=../../../../lib/llib-lpanel.ln
403 link path=usr/ccs/lib/llib-ltermcap target=../../../../lib/llib-ltermcap
404 link path=usr/ccs/lib/llib-ltermcap.ln target=../../../../lib/llib-ltermcap.ln
405 link path=usr/ccs/lib/llib-ltermplib target=../../../../lib/llib-lcurses
406 link path=usr/ccs/lib/llib-ltermplib.ln target=../../../../lib/llib-lcurses.ln
407 link path=usr/ccs/lib/values-Xa.o target=../../../../lib/values-Xa.o
408 link path=usr/ccs/lib/values-Xc.o target=../../../../lib/values-Xc.o
409 link path=usr/ccs/lib/values-Xs.o target=../../../../lib/values-Xs.o
410 link path=usr/ccs/lib/values-Xt.o target=../../../../lib/values-Xt.o
411 link path=usr/ccs/lib/values-xpg4.o target=../../../../lib/values-xpg4.o
412 link path=usr/ccs/lib/values-xpg6.o target=../../../../lib/values-xpg6.o
413 link path=usr/lib/$(ARCH64)/llib-ladm.ln \
414 target=../../../../lib/$(ARCH64)/llib-ladm.ln
415 link path=usr/lib/$(ARCH64)/llib-laio.ln \
416 target=../../../../lib/$(ARCH64)/llib-laio.ln
417 link path=usr/lib/$(ARCH64)/llib-lavl.ln \
418 target=../../../../lib/$(ARCH64)/llib-lavl.ln
419 link path=usr/lib/$(ARCH64)/llib-lbsm.ln \
420 target=../../../../lib/$(ARCH64)/llib-lbsm.ln
421 link path=usr/lib/$(ARCH64)/llib-lc.ln \
422 target=../../../../lib/$(ARCH64)/llib-lc.ln
423 link path=usr/lib/$(ARCH64)/llib-lcontract.ln \
424 target=../../../../lib/$(ARCH64)/llib-lcontract.ln
425 link path=usr/lib/$(ARCH64)/llib-lctf.ln \
426 target=../../../../lib/$(ARCH64)/llib-lctf.ln
427 link path=usr/lib/$(ARCH64)/llib-lcurses.ln \
428 target=../../../../lib/$(ARCH64)/llib-lcurses.ln
429 link path=usr/lib/$(ARCH64)/llib-ldevice.ln \
430 target=../../../../lib/$(ARCH64)/llib-ldevice.ln
431 link path=usr/lib/$(ARCH64)/llib-ldevid.ln \
432 target=../../../../lib/$(ARCH64)/llib-ldevid.ln
433 link path=usr/lib/$(ARCH64)/llib-ldevinfo.ln \
434 target=../../../../lib/$(ARCH64)/llib-ldevinfo.ln
435 link path=usr/lib/$(ARCH64)/llib-ldl.ln \
436 target=../../../../lib/$(ARCH64)/llib-ldl.ln
437 link path=usr/lib/$(ARCH64)/llib-ldoor.ln \
438 target=../../../../lib/$(ARCH64)/llib-ldoor.ln
439 link path=usr/lib/$(ARCH64)/llib-lefi.ln \
440 target=../../../../lib/$(ARCH64)/llib-lefi.ln
441 link path=usr/lib/$(ARCH64)/llib-lelf.ln \
442 target=../../../../lib/$(ARCH64)/llib-lelf.ln
443 $(i386_ONLY)link path=usr/lib/$(ARCH64)/llib-lfdisk.ln \
444 target=../../../../lib/$(ARCH64)/llib-lfdisk.ln
445 link path=usr/lib/$(ARCH64)/llib-lgen.ln \
446 target=../../../../lib/$(ARCH64)/llib-lgen.ln
447 link path=usr/lib/$(ARCH64)/llib-lintl.ln \
448 target=../../../../lib/$(ARCH64)/llib-lintl.ln
449 link path=usr/lib/$(ARCH64)/llib-lkstat.ln \
450 target=../../../../lib/$(ARCH64)/llib-lkstat.ln
451 link path=usr/lib/$(ARCH64)/llib-lmd5.ln \
452 target=../../../../lib/$(ARCH64)/llib-lmd5.ln
453 link path=usr/lib/$(ARCH64)/llib-lnsl.ln \
454 target=../../../../lib/$(ARCH64)/llib-lnsl.ln
455 link path=usr/lib/$(ARCH64)/llib-lnvpair.ln \
456 target=../../../../lib/$(ARCH64)/llib-lnvpair.ln
457 link path=usr/lib/$(ARCH64)/llib-lpam.ln \

```

```

458 target=../../../../lib/$(ARCH64)/llib-lpam.ln
459 link path=usr/lib/$(ARCH64)/llib-lposix4.ln \
460 target=../../../../lib/$(ARCH64)/llib-lrt.ln
461 link path=usr/lib/$(ARCH64)/llib-lpthread.ln \
462 target=../../../../lib/$(ARCH64)/llib-lpthread.ln
463 link path=usr/lib/$(ARCH64)/llib-lresolv.ln \
464 target=../../../../lib/$(ARCH64)/llib-lresolv.ln
465 link path=usr/lib/$(ARCH64)/llib-lrpsvc.ln \
466 target=../../../../lib/$(ARCH64)/llib-lrpsvc.ln
467 link path=usr/lib/$(ARCH64)/llib-lrt.ln \
468 target=../../../../lib/$(ARCH64)/llib-lrt.ln
469 link path=usr/lib/$(ARCH64)/llib-lrtld_db.ln \
470 target=../../../../lib/$(ARCH64)/llib-lrtld_db.ln
471 link path=usr/lib/$(ARCH64)/llib-lscf.ln \
472 target=../../../../lib/$(ARCH64)/llib-lscf.ln
473 link path=usr/lib/$(ARCH64)/llib-lsec.ln \
474 target=../../../../lib/$(ARCH64)/llib-lsec.ln
475 link path=usr/lib/$(ARCH64)/llib-lsecdb.ln \
476 target=../../../../lib/$(ARCH64)/llib-lsecdb.ln
477 link path=usr/lib/$(ARCH64)/llib-lsendfile.ln \
478 target=../../../../lib/$(ARCH64)/llib-lsendfile.ln
479 link path=usr/lib/$(ARCH64)/llib-lsocket.ln \
480 target=../../../../lib/$(ARCH64)/llib-lsocket.ln
481 link path=usr/lib/$(ARCH64)/llib-lsysevent.ln \
482 target=../../../../lib/$(ARCH64)/llib-lsysevent.ln
483 link path=usr/lib/$(ARCH64)/llib-ltermcap.ln \
484 target=../../../../lib/$(ARCH64)/llib-ltermcap.ln
485 link path=usr/lib/$(ARCH64)/llib-ltermplib.ln \
486 target=../../../../lib/$(ARCH64)/llib-lcurses.ln
487 link path=usr/lib/$(ARCH64)/llib-lthread.ln \
488 target=../../../../lib/$(ARCH64)/llib-lthread.ln
489 link path=usr/lib/$(ARCH64)/llib-lthread_db.ln \
490 target=../../../../lib/$(ARCH64)/llib-lc_db.ln
491 link path=usr/lib/$(ARCH64)/llib-ltsnet.ln \
492 target=../../../../lib/$(ARCH64)/llib-ltsnet.ln
493 link path=usr/lib/$(ARCH64)/llib-ltsol.ln \
494 target=../../../../lib/$(ARCH64)/llib-ltsol.ln
495 link path=usr/lib/$(ARCH64)/llib-lumem.ln \
496 target=../../../../lib/$(ARCH64)/llib-lumem.ln
497 link path=usr/lib/$(ARCH64)/llib-luuid.ln \
498 target=../../../../lib/$(ARCH64)/llib-luuid.ln
499 link path=usr/lib/$(ARCH64)/llib-lxnet.ln \
500 target=../../../../lib/$(ARCH64)/llib-lxnet.ln
501 link path=usr/lib/llib-ladm target=../../../../lib/llib-ladm
502 link path=usr/lib/llib-ladm.ln target=../../../../lib/llib-ladm.ln
503 link path=usr/lib/llib-laio target=../../../../lib/llib-laio
504 link path=usr/lib/llib-laio.ln target=../../../../lib/llib-laio.ln
505 link path=usr/lib/llib-lavl target=../../../../lib/llib-lavl
506 link path=usr/lib/llib-lavl.ln target=../../../../lib/llib-lavl.ln
507 link path=usr/lib/llib-lbsm target=../../../../lib/llib-lbsm
508 link path=usr/lib/llib-lbsm.ln target=../../../../lib/llib-lbsm.ln
509 link path=usr/lib/llib-lc target=../../../../lib/llib-lc
510 link path=usr/lib/llib-lc.ln target=../../../../lib/llib-lc.ln
511 link path=usr/lib/llib-lcontract target=../../../../lib/llib-lcontract
512 link path=usr/lib/llib-lcontract.ln target=../../../../lib/llib-lcontract.ln
513 link path=usr/lib/llib-lctf target=../../../../lib/llib-lctf
514 link path=usr/lib/llib-lctf.ln target=../../../../lib/llib-lctf.ln
515 link path=usr/lib/llib-lcurses target=../../../../lib/llib-lcurses
516 link path=usr/lib/llib-lcurses.ln target=../../../../lib/llib-lcurses.ln
517 link path=usr/lib/llib-ldevice target=../../../../lib/llib-ldevice
518 link path=usr/lib/llib-ldevice.ln target=../../../../lib/llib-ldevice.ln
519 link path=usr/lib/llib-ldevid target=../../../../lib/llib-ldevid
520 link path=usr/lib/llib-ldevid.ln target=../../../../lib/llib-ldevid.ln
521 link path=usr/lib/llib-ldevinfo target=../../../../lib/llib-ldevinfo
522 link path=usr/lib/llib-ldevinfo.ln target=../../../../lib/llib-ldevinfo.ln
523 link path=usr/lib/llib-ldl target=../../../../lib/llib-ldl

```

```
524 link path=usr/lib/lib-ld1.ln target=../lib/lib-ld1.ln
525 link path=usr/lib/lib-ldoor target=../lib/lib-ldoor
526 link path=usr/lib/lib-ldoor.ln target=../lib/lib-ldoor.ln
527 link path=usr/lib/lib-lefi target=../lib/lib-lefi
528 link path=usr/lib/lib-lefi.ln target=../lib/lib-lefi.ln
529 link path=usr/lib/lib-lelf target=../lib/lib-lelf
530 link path=usr/lib/lib-lelf.ln target=../lib/lib-lelf.ln
531 $(i386_ONLY)link path=usr/lib/lib-lfdisk target=../lib/lib-lfdisk
532 $(i386_ONLY)link path=usr/lib/lib-lfdisk.ln target=../lib/lib-lfdisk.ln
533 link path=usr/lib/lib-lgen target=../lib/lib-lgen
534 link path=usr/lib/lib-lgen.ln target=../lib/lib-lgen.ln
535 link path=usr/lib/lib-lintl target=../lib/lib-lintl
536 link path=usr/lib/lib-lintl.ln target=../lib/lib-lintl.ln
537 link path=usr/lib/lib-lkstat target=../lib/lib-lkstat
538 link path=usr/lib/lib-lkstat.ln target=../lib/lib-lkstat.ln
539 link path=usr/lib/lib-lmd5 target=../lib/lib-lmd5
540 link path=usr/lib/lib-lmd5.ln target=../lib/lib-lmd5.ln
541 link path=usr/lib/lib-lns1 target=../lib/lib-lns1
542 link path=usr/lib/lib-lns1.ln target=../lib/lib-lns1.ln
543 link path=usr/lib/lib-lnvpair target=../lib/lib-lnvpair
544 link path=usr/lib/lib-lnvpair.ln target=../lib/lib-lnvpair.ln
545 link path=usr/lib/lib-lpam target=../lib/lib-lpam
546 link path=usr/lib/lib-lpam.ln target=../lib/lib-lpam.ln
547 link path=usr/lib/lib-lposix4 target=../lib/lib-lrt
548 link path=usr/lib/lib-lposix4.ln target=../lib/lib-lrt.ln
549 link path=usr/lib/lib-lpthread target=../lib/lib-lpthread
550 link path=usr/lib/lib-lpthread.ln target=../lib/lib-lpthread.ln
551 link path=usr/lib/lib-lresolv target=../lib/lib-lresolv
552 link path=usr/lib/lib-lresolv.ln target=../lib/lib-lresolv.ln
553 link path=usr/lib/lib-lrpcsvc target=../lib/lib-lrpcsvc
554 link path=usr/lib/lib-lrpcsvc.ln target=../lib/lib-lrpcsvc.ln
555 link path=usr/lib/lib-lrt target=../lib/lib-lrt
556 link path=usr/lib/lib-lrt.ln target=../lib/lib-lrt.ln
557 link path=usr/lib/lib-lrtld_db target=../lib/lib-lrtld_db
558 link path=usr/lib/lib-lrtld_db.ln target=../lib/lib-lrtld_db.ln
559 link path=usr/lib/lib-lscf target=../lib/lib-lscf
560 link path=usr/lib/lib-lscf.ln target=../lib/lib-lscf.ln
561 link path=usr/lib/lib-lsec target=../lib/lib-lsec
562 link path=usr/lib/lib-lsec.ln target=../lib/lib-lsec.ln
563 link path=usr/lib/lib-lsecdb target=../lib/lib-lsecdb
564 link path=usr/lib/lib-lsecdb.ln target=../lib/lib-lsecdb.ln
565 link path=usr/lib/lib-lsendfile target=../lib/lib-lsendfile
566 link path=usr/lib/lib-lsendfile.ln target=../lib/lib-lsendfile.ln
567 link path=usr/lib/lib-lsocket target=../lib/lib-lsocket
568 link path=usr/lib/lib-lsocket.ln target=../lib/lib-lsocket.ln
569 link path=usr/lib/lib-lsysevent target=../lib/lib-lsysevent
570 link path=usr/lib/lib-lsysevent.ln target=../lib/lib-lsysevent.ln
571 link path=usr/lib/lib-ltermcap target=../lib/lib-ltermcap
572 link path=usr/lib/lib-ltermcap.ln target=../lib/lib-ltermcap.ln
573 link path=usr/lib/lib-ltermplib target=../lib/lib-lcurses
574 link path=usr/lib/lib-ltermplib.ln target=../lib/lib-lcurses.ln
575 link path=usr/lib/lib-lthread target=../lib/lib-lthread
576 link path=usr/lib/lib-lthread.ln target=../lib/lib-lthread.ln
577 link path=usr/lib/lib-lthread_db target=../lib/lib-lc_db
578 link path=usr/lib/lib-lthread_db.ln target=../lib/lib-lc_db.ln
579 link path=usr/lib/lib-ltsnet.ln target=../lib/lib-ltsnet.ln
580 link path=usr/lib/lib-ltsol.ln target=../lib/lib-ltsol.ln
581 link path=usr/lib/lib-lumem target=../lib/lib-lumem
582 link path=usr/lib/lib-lumem.ln target=../lib/lib-lumem.ln
583 link path=usr/lib/lib-luuid target=../lib/lib-luuid
584 link path=usr/lib/lib-luuid.ln target=../lib/lib-luuid.ln
585 link path=usr/lib/lib-lxnet target=../lib/lib-lxnet
586 link path=usr/lib/lib-lxnet.ln target=../lib/lib-lxnet.ln
```

```

*****
61532 Mon Mar 27 17:24:32 2017
new/usr/src/pkg/manifests/system-library.mf
Add libuserdefs and use in cmd/{oamuser,passwd}
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 OmniTI Computer Consulting, Inc. All rights reserved.
25 # Copyright (c) 2013 Gary Mills
26 # Copyright 2014 Nexenta Systems, Inc. All rights reserved.
27 #
28 #
29 <include system-library.man3.inc>
30 <include system-library.man3avl.inc>
31 <include system-library.man3bsm.inc>
32 <include system-library.man3c.inc>
33 <include system-library.man3c_db.inc>
34 <include system-library.man3cfgadm.inc>
35 <include system-library.man3computil.inc>
36 <include system-library.man3contract.inc>
37 <include system-library.man3curses.inc>
38 <include system-library.man3devid.inc>
39 <include system-library.man3devinfo.inc>
40 <include system-library.man3dlpi.inc>
41 <include system-library.man3elf.inc>
42 <include system-library.man3execct.inc>
43 <include system-library.man3ext.inc>
44 <include system-library.man3fstyp.inc>
45 <include system-library.man3gen.inc>
46 <include system-library.man3kstat.inc>
47 <include system-library.man3kvm.inc>
48 <include system-library.man3ldap.inc>
49 <include system-library.man3lgrp.inc>
50 <include system-library.man3llib.inc>
51 <include system-library.man3mail.inc>
52 <include system-library.man3malloc.inc>
53 <include system-library.man3mp.inc>
54 <include system-library.man3nsl.inc>
55 <include system-library.man3nvpair.inc>
56 <include system-library.man3pam.inc>
57 <include system-library.man3proc.inc>
58 <include system-library.man3scf.inc>
59 <include system-library.man3sec.inc>
60 <include system-library.man3secdb.inc>
61 <include system-library.man3sip.inc>

```

```

62 <include system-library.man3socket.inc>
63 <include system-library.man3tsol.inc>
64 <include system-library.man3uuid.inc>
65 <include system-library.man3volmgt.inc>
66 <include system-library.man3xcurses.inc>
67 <include system-library.man3xnet.inc>
68 <include system-library.man4.inc>
69 <include system-library.man5.inc>
70 <include system-library.man7p.inc>
71 set name=pkg_fmri value=pkg:/system/library@$(PKGVERS)
72 set name=pkg_description \
73   value="core shared libraries for a specific instruction-set architecture"
74 set name=pkg_summary value="Core Solaris, (Shared Libs)"
75 set name=info_classification value=org.opensolaris.category.2008:System/Core
76 set name=variant_arch value=$(ARCH)
77 $(i386_ONLY)dir path=etc group=sys
78 $(i386_ONLY)dir path=etc/flash group=sys
79 $(i386_ONLY)dir path=etc/flash/postcreation group=sys mode=0700
80 $(i386_ONLY)dir path=etc/flash/precreation group=sys mode=0700
81 $(i386_ONLY)dir path=etc/flash/preexit group=sys mode=0700
82 dir path=lib
83 dir path=lib/$(ARCH64)
84 dir path=lib/crypto
85 dir path=lib/crypto/$(ARCH64)
86 dir path=lib/mpxio
87 dir path=lib/secure
88 dir path=lib/secure/$(ARCH64)
89 dir path=usr group=sys
90 dir path=usr/bin
91 dir path=usr/ccs
92 dir path=usr/ccs/lib
93 dir path=usr/ccs/lib/$(ARCH64)
94 dir path=usr/lib
95 dir path=usr/lib/$(ARCH64)
96 dir path=usr/lib/cfgadm
97 dir path=usr/lib/cfgadm/$(ARCH64)
98 dir path=usr/lib/iconv/$(ARCH64)
99 $(i386_ONLY)dir path=usr/lib/libc
100 dir path=usr/lib/lwp
101 dir path=usr/lib/lwp/$(ARCH64)
102 dir path=usr/lib/python$(PYTHON_VERSION)
103 dir path=usr/lib/python$(PYTHON_VERSION)/vendor-packages
104 dir path=usr/lib/python$(PYTHON_VERSION)/vendor-packages/solaris
105 dir path=usr/lib/raidcfg
106 dir path=usr/lib/raidcfg/$(ARCH64)
107 dir path=usr/lib/scsi
108 dir path=usr/lib/scsi/$(ARCH64)
109 dir path=usr/lib/scsi/plugins
110 dir path=usr/lib/scsi/plugins/scsi
111 dir path=usr/lib/scsi/plugins/scsi/engines
112 dir path=usr/lib/scsi/plugins/scsi/engines/$(ARCH64)
113 dir path=usr/lib/scsi/plugins/ses
114 dir path=usr/lib/scsi/plugins/ses/framework
115 dir path=usr/lib/scsi/plugins/ses/framework/$(ARCH64)
116 dir path=usr/lib/scsi/plugins/ses/vendor
117 $(sparc_ONLY)dir path=usr/lib/scsi/plugins/ses/vendor/$(ARCH64)
118 dir path=usr/lib/scsi/plugins/smp
119 dir path=usr/lib/scsi/plugins/smp/engine
120 dir path=usr/lib/scsi/plugins/smp/engine/$(ARCH64)
121 dir path=usr/lib/scsi/plugins/smp/framework
122 dir path=usr/lib/scsi/plugins/smp/framework/$(ARCH64)
123 dir path=usr/lib/security
124 dir path=usr/lib/security/$(ARCH64)
125 dir path=usr/share/man
126 dir path=usr/share/man/man3
127 dir path=usr/share/man/man3avl

```

```

128 dir path=usr/share/man/man3bsm
129 dir path=usr/share/man/man3c
130 dir path=usr/share/man/man3c_db
131 dir path=usr/share/man/man3cfgadm
132 dir path=usr/share/man/man3commputil
133 dir path=usr/share/man/man3contract
134 dir path=usr/share/man/man3curses
135 dir path=usr/share/man/man3devid
136 dir path=usr/share/man/man3devinfo
137 dir path=usr/share/man/man3dlpi
138 dir path=usr/share/man/man3elf
139 dir path=usr/share/man/man3execct
140 dir path=usr/share/man/man3ext
141 dir path=usr/share/man/man3fstyp
142 dir path=usr/share/man/man3gen
143 dir path=usr/share/man/man3kstat
144 dir path=usr/share/man/man3kvm
145 dir path=usr/share/man/man3ldap
146 dir path=usr/share/man/man3lgrp
147 dir path=usr/share/man/man3lib
148 dir path=usr/share/man/man3mail
149 dir path=usr/share/man/man3malloc
150 dir path=usr/share/man/man3mp
151 dir path=usr/share/man/man3nsl
152 dir path=usr/share/man/man3nvpair
153 dir path=usr/share/man/man3pam
154 dir path=usr/share/man/man3pool
155 dir path=usr/share/man/man3scf
156 dir path=usr/share/man/man3sec
157 dir path=usr/share/man/man3secdb
158 dir path=usr/share/man/man3sip
159 dir path=usr/share/man/man3socket
160 dir path=usr/share/man/man3tsol
161 dir path=usr/share/man/man3uuid
162 dir path=usr/share/man/man3volmgt
163 dir path=usr/share/man/man3xcurses
164 dir path=usr/share/man/man3xnet
165 dir path=usr/share/man/man5
166 dir path=usr/share/man/man7p
167 dir path=usr/xpg4
168 dir path=usr/xpg4/lib
169 dir path=usr/xpg4/lib/$(ARCH64)
170 $(i386_ONLY)file path=etc/flash/precreation/caplib group=sys mode=0500
171 file path=lib/$(ARCH64)/c_synonyms.so.1
172 file path=lib/$(ARCH64)/ld.so.1
173 file path=lib/$(ARCH64)/libadm.so.1
174 file path=lib/$(ARCH64)/libaio.so.1
175 file path=lib/$(ARCH64)/libavl.so.1
176 file path=lib/$(ARCH64)/libbsm.so.1
177 file path=lib/$(ARCH64)/libc.so.1
178 file path=lib/$(ARCH64)/libc_db.so.1
179 file path=lib/$(ARCH64)/libcmdutils.so.1
180 file path=lib/$(ARCH64)/libcontract.so.1
181 file path=lib/$(ARCH64)/libcryptoutil.so.1
182 file path=lib/$(ARCH64)/libctf.so.1
183 file path=lib/$(ARCH64)/libcurses.so.1
184 file path=lib/$(ARCH64)/libdevice.so.1
185 file path=lib/$(ARCH64)/libdevvid.so.1
186 file path=lib/$(ARCH64)/libdevinfo.so.1
187 file path=lib/$(ARCH64)/libdhcputil.so.1
188 file path=lib/$(ARCH64)/libdl.so.1
189 file path=lib/$(ARCH64)/libdladm.so.1
190 file path=lib/$(ARCH64)/libdlpi.so.1
191 file path=lib/$(ARCH64)/libdoor.so.1
192 file path=lib/$(ARCH64)/libefi.so.1
193 file path=lib/$(ARCH64)/libelf.so.1

```

```

194 $(i386_ONLY)file path=lib/$(ARCH64)/libfdisk.so.1
195 file path=lib/$(ARCH64)/libgen.so.1
196 file path=lib/$(ARCH64)/libinetutil.so.1
197 file path=lib/$(ARCH64)/libintl.so.1
198 file path=lib/$(ARCH64)/libkmf.so.1
199 file path=lib/$(ARCH64)/libkmfberder.so.1
200 file path=lib/$(ARCH64)/libkstat.so.1
201 file path=lib/$(ARCH64)/libld.so.4
202 file path=lib/$(ARCH64)/liblddbg.so.4
203 file path=lib/$(ARCH64)/libmd.so.1
204 file path=lib/$(ARCH64)/libmd5.so.1
205 file path=lib/$(ARCH64)/libmp.so.2
206 file path=lib/$(ARCH64)/libnsl.so.1
207 file path=lib/$(ARCH64)/libnvpair.so.1
208 file path=lib/$(ARCH64)/libpam.so.1
209 file path=lib/$(ARCH64)/libproc.so.1
210 file path=lib/$(ARCH64)/libpthread.so.1
211 file path=lib/$(ARCH64)/librcm.so.1
212 file path=lib/$(ARCH64)/libresolv.so.2
213 file path=lib/$(ARCH64)/librestart.so.1
214 file path=lib/$(ARCH64)/librpcsvc.so.1
215 file path=lib/$(ARCH64)/librt.so.1
216 file path=lib/$(ARCH64)/librtld.so.1
217 file path=lib/$(ARCH64)/librtld_db.so.1
218 file path=lib/$(ARCH64)/libscf.so.1
219 file path=lib/$(ARCH64)/libsec.so.1
220 file path=lib/$(ARCH64)/libsecdb.so.1
221 file path=lib/$(ARCH64)/libsendfile.so.1
222 file path=lib/$(ARCH64)/libsocket.so.1
223 file path=lib/$(ARCH64)/libsysevent.so.1
224 file path=lib/$(ARCH64)/libtermcap.so.1
225 file path=lib/$(ARCH64)/libthread.so.1
226 file path=lib/$(ARCH64)/libtsnet.so.1
227 file path=lib/$(ARCH64)/libtsol.so.2
228 file path=lib/$(ARCH64)/libumem.so.1
229 file path=lib/$(ARCH64)/libuuid.so.1
230 file path=lib/$(ARCH64)/libutil.so.1
231 file path=lib/$(ARCH64)/libw.so.1
232 file path=lib/$(ARCH64)/libxnet.so.1
233 file path=lib/$(ARCH64)/nss_compat.so.1
234 file path=lib/$(ARCH64)/nss_dns.so.1
235 file path=lib/$(ARCH64)/nss_files.so.1
236 file path=lib/$(ARCH64)/nss_nis.so.1
237 file path=lib/$(ARCH64)/nss_user.so.1
238 file path=lib/c_synonyms.so.1
239 file path=lib/crypto/$(ARCH64)/kmf_mapper_cn.so.1
240 file path=lib/crypto/$(ARCH64)/kmf_nss.so.1
241 file path=lib/crypto/$(ARCH64)/kmf_openssl.so.1
242 file path=lib/crypto/$(ARCH64)/kmf_pkcs11.so.1
243 file path=lib/crypto/kmf_mapper_cn.so.1
244 file path=lib/crypto/kmf_nss.so.1
245 file path=lib/crypto/kmf_openssl.so.1
246 file path=lib/crypto/kmf_pkcs11.so.1
247 file path=lib/ld.so.1
248 file path=lib/libadm.so.1
249 file path=lib/libaio.so.1
250 file path=lib/libavl.so.1
251 file path=lib/libbsm.so.1
252 file path=lib/libc.so.1 reboot-needed=true
253 file path=lib/libc_db.so.1
254 file path=lib/libcmdutils.so.1
255 file path=lib/libcontract.so.1
256 file path=lib/libcryptoutil.so.1
257 file path=lib/libctf.so.1
258 file path=lib/libcurses.so.1
259 file path=lib/libdevice.so.1

```


new/usr/src/pkg/manifests/system-library.mf

5

```

260 file path=lib/libdevvid.so.1
261 file path=lib/libdevinfo.so.1
262 file path=lib/libdhcpcagent.so.1
263 file path=lib/libdhcputil.so.1
264 file path=lib/libdl.so.1
265 file path=lib/libdladm.so.1
266 file path=lib/libdlpi.so.1
267 file path=lib/libdoor.so.1
268 file path=lib/libefi.so.1
269 file path=lib/libelf.so.1
270 file path=lib/libelfsign.so.1
271 $(i386_ONLY)file path=lib/libfdisk.so.1
272 file path=lib/libgen.so.1
273 file path=lib/libinetutil.so.1
274 file path=lib/libintl.so.1
275 file path=lib/libipadm.so.1
276 file path=lib/libipmp.so.1
277 file path=lib/libkcf.so.1
278 file path=lib/libkrmf.so.1
279 file path=lib/libkrmfborder.so.1
280 file path=lib/libkstat.so.1
281 file path=lib/libld.so.4
282 file path=lib/liblddbg.so.4
283 file path=lib/libmd.so.1
284 file path=lib/libmd5.so.1
285 file path=lib/libmp.so.1
286 file path=lib/libmp.so.2
287 file path=lib/libnsl.so.1
288 file path=lib/libnvpair.so.1
289 file path=lib/libnwam.so.1
290 file path=lib/libpam.so.1
291 file path=lib/libproc.so.1
292 file path=lib/libpthread.so.1
293 file path=lib/librcm.so.1
294 file path=lib/libresolv.so.1
295 file path=lib/libresolv.so.2
296 file path=lib/librestart.so.1
297 file path=lib/librpsvc.so.1
298 file path=lib/librt.so.1
299 file path=lib/librtld.so.1
300 file path=lib/librtld_db.so.1
301 file path=lib/libscf.so.1
302 file path=lib/libsec.so.1
303 file path=lib/libsecdb.so.1
304 file path=lib/libsendfile.so.1
305 file path=lib/libsocket.so.1
306 file path=lib/libsqlite-sys.so.2.8.15
307 file path=lib/libsysevent.so.1
308 file path=lib/libtermcap.so.1
309 file path=lib/libthread.so.1
310 file path=lib/libtsnet.so.1
311 file path=lib/libtsol.so.2
312 file path=lib/libumem.so.1
313 file path=lib/libuuid.so.1
314 file path=lib/libuutil.so.1
315 file path=lib/libw.so.1
316 file path=lib/libxnet.so.1
317 file path=lib/mpxio/stmsboot_util mode=0555
318 file path=lib/nss_compat.so.1
319 file path=lib/nss_dns.so.1
320 file path=lib/nss_files.so.1
321 file path=lib/nss_nis.so.1
322 file path=lib/nss_user.so.1
323 file path=usr/lib/$(ARCH64)/0@0.so.1
324 file path=usr/lib/$(ARCH64)/getloginx.so.1
325 file path=usr/lib/$(ARCH64)/libads.so.1

```

new/usr/src/pkg/manifests/system-library.mf

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```

326 file path=usr/lib/$(ARCH64)/libadutils.so.1
327 file path=usr/lib/$(ARCH64)/libast.so.1
328 file path=usr/lib/$(ARCH64)/libbsdmalloc.so.1
329 file path=usr/lib/$(ARCH64)/libcfgadm.so.1
330 file path=usr/lib/$(ARCH64)/libcmd.so.1
331 file path=usr/lib/$(ARCH64)/libcommutil.so.1
332 file path=usr/lib/$(ARCH64)/libcrle.so.1
333 file path=usr/lib/$(ARCH64)/libcrypt.so.1
334 file path=usr/lib/$(ARCH64)/libdisasm.so.1
335 file path=usr/lib/$(ARCH64)/libdll.so.1
336 file path=usr/lib/$(ARCH64)/libexacct.so.1
337 file path=usr/lib/$(ARCH64)/libform.so.1
338 file path=usr/lib/$(ARCH64)/libfstyp.so.1
339 file path=usr/lib/$(ARCH64)/libhotplug.so.1
340 file path=usr/lib/$(ARCH64)/libidmap.so.1
341 file path=usr/lib/$(ARCH64)/libike.so.1
342 file path=usr/lib/$(ARCH64)/libipmi.so.1
343 file path=usr/lib/$(ARCH64)/libipp.so.1
344 file path=usr/lib/$(ARCH64)/libipsecutil.so.1
345 file path=usr/lib/$(ARCH64)/libkvm.so.1
346 file path=usr/lib/$(ARCH64)/libl.so.1
347 file path=usr/lib/$(ARCH64)/libldap.so.5
348 file path=usr/lib/$(ARCH64)/liblgrp.so.1
349 file path=usr/lib/$(ARCH64)/liblm.so.1
350 file path=usr/lib/$(ARCH64)/libmail.so.1
351 file path=usr/lib/$(ARCH64)/libmalloc.so.1
352 file path=usr/lib/$(ARCH64)/libmapmalloc.so.1
353 file path=usr/lib/$(ARCH64)/libmenu.so.1
354 file path=usr/lib/$(ARCH64)/libmtmalloc.so.1
355 file path=usr/lib/$(ARCH64)/libnls.so.1
356 file path=usr/lib/$(ARCH64)/libpanel.so.1
357 file path=usr/lib/$(ARCH64)/libpcidb.so.1
358 file path=usr/lib/$(ARCH64)/libpkcs11.so.1
359 file path=usr/lib/$(ARCH64)/libproject.so.1
360 file path=usr/lib/$(ARCH64)/libraidcfg.so.1
361 file path=usr/lib/$(ARCH64)/libreparse.so.1
362 $(i386_ONLY)file path=usr/lib/$(ARCH64)/libsavargs.so.1
363 file path=usr/lib/$(ARCH64)/libsched.so.1
364 file path=usr/lib/$(ARCH64)/libsctp.so.1
365 file path=usr/lib/$(ARCH64)/libshell.so.1
366 file path=usr/lib/$(ARCH64)/libsip.so.1
367 file path=usr/lib/$(ARCH64)/libslldap.so.1
368 file path=usr/lib/$(ARCH64)/libsmbios.so.1
369 file path=usr/lib/$(ARCH64)/libsoftcrypto.so.1
370 file path=usr/lib/$(ARCH64)/libsum.so.1
371 $(sparc_ONLY)file path=usr/lib/$(ARCH64)/libv12n.so.1
372 file path=usr/lib/$(ARCH64)/libvolmgt.so.1
373 file path=usr/lib/$(ARCH64)/libwrap.so.1.0
374 file path=usr/lib/$(ARCH64)/liby.so.1
375 file path=usr/lib/$(ARCH64)/libzoneinfo.so.1
376 file path=usr/lib/$(ARCH64)/nss_ad.so.1
377 file path=usr/lib/$(ARCH64)/nss_ldap.so.1
378 file path=usr/lib/$(ARCH64)/passwdutil.so.1
379 file path=usr/lib/$(ARCH64)/straddr.so.2
380 file path=usr/lib/$(ARCH64)/watchmalloc.so.1
381 file path=usr/lib/0@0.so.1
382 file path=usr/lib/cfgadm/$(ARCH64)/ib.so.1
383 file path=usr/lib/cfgadm/$(ARCH64)/pci.so.1
384 $(i386_ONLY)file path=usr/lib/cfgadm/$(ARCH64)/sata.so.1
385 file path=usr/lib/cfgadm/$(ARCH64)/scsi.so.1
386 file path=usr/lib/cfgadm/$(ARCH64)/shp.so.1
387 file path=usr/lib/cfgadm/$(ARCH64)/usb.so.1
388 file path=usr/lib/cfgadm/ib.so.1
389 file path=usr/lib/cfgadm/pci.so.1
390 $(i386_ONLY)file path=usr/lib/cfgadm/sata.so.1
391 file path=usr/lib/cfgadm/scsi.so.1

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```

392 file path=usr/lib/cfgadm/shp.so.1
393 file path=usr/lib/cfgadm/usb.so.1
394 file path=usr/lib/extendedFILE.so.1
395 file path=usr/lib/getloginx.so.1
396 file path=usr/lib/lib.b mode=0444
397 file path=usr/lib/libads.so.1
398 file path=usr/lib/libadutils.so.1
399 file path=usr/lib/libast.so.1
400 file path=usr/lib/libbsdmalloc.so.1
401 $(i386_ONLY)file path=usr/lib/libc/libc_hwcapi1.so.1 reboot-needed=true
402 $(i386_ONLY)file path=usr/lib/libc/libc_hwcapi2.so.1 reboot-needed=true
403 $(i386_ONLY)file path=usr/lib/libc/libc_hwcapi3.so.1 reboot-needed=true
404 file path=usr/lib/libcfgadm.so.1
405 file path=usr/lib/libcmd.so.1
406 file path=usr/lib/libcommutil.so.1
407 file path=usr/lib/libcrlc.so.1
408 file path=usr/lib/libcrypt.so.1
409 file path=usr/lib/libdisasm.so.1
410 file path=usr/lib/libdll.so.1
411 file path=usr/lib/libexacct.so.1
412 file path=usr/lib/libform.so.1
413 file path=usr/lib/libfstyp.so.1
414 file path=usr/lib/libhotplug.so.1
415 file path=usr/lib/libidmap.so.1
416 file path=usr/lib/libike.so.1
417 file path=usr/lib/libinetsvc.so.1
418 file path=usr/lib/libipmi.so.1
419 file path=usr/lib/libipp.so.1
420 file path=usr/lib/libipsecutil.so.1
421 file path=usr/lib/libkvm.so.1
422 file path=usr/lib/libl.so.1
423 file path=usr/lib/libldap.so.5
424 file path=usr/lib/liblgrp.so.1
425 file path=usr/lib/liblm.so.1
426 file path=usr/lib/libmail.so.1
427 file path=usr/lib/libmalloc.so.1
428 file path=usr/lib/libmapmalloc.so.1
429 file path=usr/lib/libmenu.so.1
430 file path=usr/lib/libmtmalloc.so.1
431 file path=usr/lib/libnls.so.1
432 file path=usr/lib/libpanel.so.1
433 file path=usr/lib/libpcidb.so.1
434 file path=usr/lib/libpkcs11.so.1
435 file path=usr/lib/libproject.so.1
436 file path=usr/lib/libraidcfg.so.1
437 file path=usr/lib/librepase.so.1
438 file path=usr/lib/libsched.so.1
439 file path=usr/lib/libscpt.so.1
440 file path=usr/lib/libshell.so.1
441 file path=usr/lib/libsip.so.1
442 file path=usr/lib/libslldap.so.1
443 file path=usr/lib/libsbios.so.1
444 file path=usr/lib/libsoftcrypto.so.1
445 file path=usr/lib/libsum.so.1
446 file path=usr/lib/libsys.so.1
447 file path=usr/lib/libuserdefs.so.1
448 $(sparc_ONLY)file path=usr/lib/libv12n.so.1
449 file path=usr/lib/libvolmgt.so.1
450 file path=usr/lib/libwrap.so.1.0
451 file path=usr/lib/liby.so.1
452 file path=usr/lib/libzoneinfo.so.1
453 file path=usr/lib/nss_ad.so.1
454 file path=usr/lib/nss_ldap.so.1
455 file path=usr/lib/passwdutil.so.1
456 file path=usr/lib/python$(PYTHON_VERSION)/vendor-packages/solaris/__init__.py
457 file path=usr/lib/python$(PYTHON_VERSION)/vendor-packages/solaris/__init__.pyc

```

```

458 file path=usr/lib/python$(PYTHON_VERSION)/vendor-packages/solaris/misc.so
459 file path=usr/lib/raidcfg$(ARCH64)/mpt.so.1
460 file path=usr/lib/raidcfg/mpt.so.1
461 file path=usr/lib/scsi$(ARCH64)/libscsi.so.1
462 file path=usr/lib/scsi$(ARCH64)/libses.so.1
463 file path=usr/lib/scsi$(ARCH64)/libsmp.so.1
464 file path=usr/lib/scsi/libscsi.so.1
465 file path=usr/lib/scsi/libses.so.1
466 file path=usr/lib/scsi/libsmpt.so.1
467 file path=usr/lib/scsi/plugins/scsi/engines$(ARCH64)/uscsci.so
468 file path=usr/lib/scsi/plugins/scsi/engines/uscsci.so
469 file path=usr/lib/scsi/plugins/ses/framework$(ARCH64)/libses.so
470 file path=usr/lib/scsi/plugins/ses/framework$(ARCH64)/ses2.so
471 file path=usr/lib/scsi/plugins/ses/framework/libses.so
472 file path=usr/lib/scsi/plugins/ses/framework/ses2.so
473 file path=usr/lib/scsi/plugins/smp/engine$(ARCH64)/usmp.so
474 file path=usr/lib/scsi/plugins/smp/engine/usmp.so
475 file path=usr/lib/scsi/plugins/smp/framework$(ARCH64)/sas2.so
476 file path=usr/lib/scsi/plugins/smp/framework/sas2.so
477 file path=usr/lib/security$(ARCH64)/crypt_bsdbf.so.1
478 file path=usr/lib/security$(ARCH64)/crypt_bsdmd5.so.1
479 file path=usr/lib/security$(ARCH64)/crypt_sha256.so.1
480 file path=usr/lib/security$(ARCH64)/crypt_sha512.so.1
481 file path=usr/lib/security$(ARCH64)/crypt_sunmd5.so.1
482 file path=usr/lib/security$(ARCH64)/pam_allow.so.1
483 file path=usr/lib/security$(ARCH64)/pam_authtok_check.so.1
484 file path=usr/lib/security$(ARCH64)/pam_authtok_get.so.1
485 file path=usr/lib/security$(ARCH64)/pam_authtok_store.so.1
486 file path=usr/lib/security$(ARCH64)/pam_deny.so.1
487 file path=usr/lib/security$(ARCH64)/pam_dhkeys.so.1
488 file path=usr/lib/security$(ARCH64)/pam_dial_auth.so.1
489 file path=usr/lib/security$(ARCH64)/pam_ldap.so.1
490 file path=usr/lib/security$(ARCH64)/pam_list.so.1
491 file path=usr/lib/security$(ARCH64)/pam_passwd_auth.so.1
492 file path=usr/lib/security$(ARCH64)/pam_rhosts_auth.so.1
493 file path=usr/lib/security$(ARCH64)/pam_roles.so.1
494 file path=usr/lib/security$(ARCH64)/pam_sample.so.1
495 file path=usr/lib/security$(ARCH64)/pam_timestamp.so.1
496 file path=usr/lib/security$(ARCH64)/pam_tsol_account.so.1
497 file path=usr/lib/security$(ARCH64)/pam_unix_account.so.1
498 file path=usr/lib/security$(ARCH64)/pam_unix_auth.so.1
499 file path=usr/lib/security$(ARCH64)/pam_unix_cred.so.1
500 file path=usr/lib/security$(ARCH64)/pam_unix_session.so.1
501 file path=usr/lib/security$(ARCH64)/pkcs11_kernel.so.1
502 file path=usr/lib/security$(ARCH64)/pkcs11_softtoken.so.1
503 file path=usr/lib/security$(ARCH64)/pkcs11_tpm.so.1
504 file path=usr/lib/security/audit_binfile.so.1
505 file path=usr/lib/security/audit_remote.so.1
506 file path=usr/lib/security/audit_syslog.so.1
507 file path=usr/lib/security/crypt_bsdbf.so.1
508 file path=usr/lib/security/crypt_bsdmd5.so.1
509 file path=usr/lib/security/crypt_sha256.so.1
510 file path=usr/lib/security/crypt_sha512.so.1
511 file path=usr/lib/security/crypt_sunmd5.so.1
512 file path=usr/lib/security/pam_allow.so.1
513 file path=usr/lib/security/pam_authtok_check.so.1
514 file path=usr/lib/security/pam_authtok_get.so.1
515 file path=usr/lib/security/pam_authtok_store.so.1
516 file path=usr/lib/security/pam_deny.so.1
517 file path=usr/lib/security/pam_dhkeys.so.1
518 file path=usr/lib/security/pam_dial_auth.so.1
519 file path=usr/lib/security/pam_ldap.so.1
520 file path=usr/lib/security/pam_list.so.1
521 file path=usr/lib/security/pam_passwd_auth.so.1
522 file path=usr/lib/security/pam_rhosts_auth.so.1
523 file path=usr/lib/security/pam_roles.so.1

```

```

524 file path=usr/lib/security/pam_sample.so.1
525 file path=usr/lib/security/pam_timestamp.so.1
526 file path=usr/lib/security/pam_tsol_account.so.1
527 file path=usr/lib/security/pam_unix_account.so.1
528 file path=usr/lib/security/pam_unix_auth.so.1
529 file path=usr/lib/security/pam_unix_cred.so.1
530 file path=usr/lib/security/pam_unix_session.so.1
531 file path=usr/lib/security/pkcs11_kernel.so.1
532 file path=usr/lib/security/pkcs11_softtoken.so.1
533 file path=usr/lib/security/pkcs11_tpm.so.1
534 file path=usr/lib/straddr.so.2
535 file path=usr/lib/watchmalloc.so.1
536 # XXX: Obsoleted by open il8n?
537 file path=usr/xpg4/lib/$(ARCH64)/libcurses.so.1
538 file path=usr/xpg4/lib/$(ARCH64)/libcurses.so.2
539 file path=usr/xpg4/lib/libcurses.so.1
540 file path=usr/xpg4/lib/libcurses.so.2
541 legacy pkg=SUNWcsl
542 desc="core shared libraries for a specific instruction-set architecture" \
543 name="Core Solaris, (Shared Libs)"
544 legacy pkg=SUNWcslr
545 desc="core software for a specific instruction-set architecture" \
546 name="Core Solaris Libraries (Root)"
547 license cr_Sun license=cr_Sun
548 license lic_CDDL license=lic_CDDL
549 license lic_OSBL license=lic_OSBL
550 license lic_OSBL_preamble license=lic_OSBL_preamble
551 # libwrap is part of tcp wrappers along with tcpd
552 license usr/src/cmd/tcpd/THIRDPARTYLICENSE \
553 license=usr/src/cmd/tcpd/THIRDPARTYLICENSE
554 license usr/src/common/crypto/THIRDPARTYLICENSE.cryptogams \
555 license=usr/src/common/crypto/THIRDPARTYLICENSE.cryptogams
556 license usr/src/common/crypto/aes/amd64/THIRDPARTYLICENSE.gladman \
557 license=usr/src/common/crypto/aes/amd64/THIRDPARTYLICENSE.gladman
558 license usr/src/common/crypto/aes/amd64/THIRDPARTYLICENSE.openssl \
559 license=usr/src/common/crypto/aes/amd64/THIRDPARTYLICENSE.openssl
560 license usr/src/common/crypto/ecc/THIRDPARTYLICENSE \
561 license=usr/src/common/crypto/ecc/THIRDPARTYLICENSE
562 license usr/src/common/crypto/md5/amd64/THIRDPARTYLICENSE \
563 license=usr/src/common/crypto/md5/amd64/THIRDPARTYLICENSE
564 license usr/src/common/mpi/THIRDPARTYLICENSE \
565 license=usr/src/common/mpi/THIRDPARTYLICENSE
566 license usr/src/lib/libast/THIRDPARTYLICENSE \
567 license=usr/src/lib/libast/THIRDPARTYLICENSE
568 license usr/src/lib/libbsdmalloc/THIRDPARTYLICENSE \
569 license=usr/src/lib/libbsdmalloc/THIRDPARTYLICENSE
570 license usr/src/lib/libc/THIRDPARTYLICENSE \
571 license=usr/src/lib/libc/THIRDPARTYLICENSE
572 license usr/src/lib/libcmd/THIRDPARTYLICENSE \
573 license=usr/src/lib/libcmd/THIRDPARTYLICENSE
574 license usr/src/lib/libdll/THIRDPARTYLICENSE \
575 license=usr/src/lib/libdll/THIRDPARTYLICENSE
576 license usr/src/lib/libinetutil/common/THIRDPARTYLICENSE \
577 license=usr/src/lib/libinetutil/common/THIRDPARTYLICENSE
578 license usr/src/lib/libkrmf/THIRDPARTYLICENSE \
579 license=usr/src/lib/libkrmf/THIRDPARTYLICENSE
580 license usr/src/lib/libldap5/THIRDPARTYLICENSE \
581 license=usr/src/lib/libldap5/THIRDPARTYLICENSE
582 license usr/src/lib/libmp/common/THIRDPARTYLICENSE \
583 license=usr/src/lib/libmp/common/THIRDPARTYLICENSE
584 license usr/src/lib/libresolv/THIRDPARTYLICENSE \
585 license=usr/src/lib/libresolv/THIRDPARTYLICENSE
586 license usr/src/lib/libresolv2/THIRDPARTYLICENSE \
587 license=usr/src/lib/libresolv2/THIRDPARTYLICENSE
588 license usr/src/lib/libshell/THIRDPARTYLICENSE \
589 license=usr/src/lib/libshell/THIRDPARTYLICENSE

```

```

590 license usr/src/lib/libsum/THIRDPARTYLICENSE \
591 license=usr/src/lib/libsum/THIRDPARTYLICENSE
592 license usr/src/lib/pam_modules/authok_check/THIRDPARTYLICENSE \
593 license=usr/src/lib/pam_modules/authok_check/THIRDPARTYLICENSE
594 license usr/src/lib/passwdutil/THIRDPARTYLICENSE \
595 license=usr/src/lib/passwdutil/THIRDPARTYLICENSE
596 license usr/src/lib/pkcs11/pkcs11_tpm/THIRDPARTYLICENSE \
597 license=usr/src/lib/pkcs11/pkcs11_tpm/THIRDPARTYLICENSE
598 license usr/src/man/man3c/THIRDPARTYLICENSE.arc4random \
599 license=usr/src/man/man3c/THIRDPARTYLICENSE.arc4random
600 license usr/src/man/man3c/THIRDPARTYLICENSE.getentropy \
601 license=usr/src/man/man3c/THIRDPARTYLICENSE.getentropy
602 license usr/src/uts/common/sys/THIRDPARTYLICENSE.unicode \
603 license=usr/src/uts/common/sys/THIRDPARTYLICENSE.unicode
604 link path=lib/$(ARCH64)/libadm.so target=libadm.so.1
605 link path=lib/$(ARCH64)/libaio.so target=libaio.so.1
606 link path=lib/$(ARCH64)/libavl.so target=libavl.so.1
607 link path=lib/$(ARCH64)/libbsm.so target=libbsm.so.1
608 link path=lib/$(ARCH64)/libc.so reboot-needed=true target=libc.so.1
609 link path=lib/$(ARCH64)/libc_db.so target=libc_db.so.1
610 link path=lib/$(ARCH64)/libcontract.so target=libcontract.so.1
611 link path=lib/$(ARCH64)/libcryptoutil.so target=libcryptoutil.so.1
612 link path=lib/$(ARCH64)/libctf.so target=libctf.so.1
613 link path=lib/$(ARCH64)/libcurses.so target=libcurses.so.1
614 link path=lib/$(ARCH64)/libdevice.so target=libdevice.so.1
615 link path=lib/$(ARCH64)/libdevinfo.so target=libdevinfo.so.1
616 link path=lib/$(ARCH64)/libdevinfo.so target=libdevinfo.so.1
617 link path=lib/$(ARCH64)/libdl.so target=libdl.so.1
618 link path=lib/$(ARCH64)/libldadm.so target=libldadm.so.1
619 link path=lib/$(ARCH64)/libldpi.so target=libldpi.so.1
620 link path=lib/$(ARCH64)/libdoor.so target=libdoor.so.1
621 link path=lib/$(ARCH64)/libefi.so target=libefi.so.1
622 link path=lib/$(ARCH64)/libelf.so target=libelf.so.1
623 $(i386_ONLY)link path=lib/$(ARCH64)/libfdisk.so target=libfdisk.so.1
624 link path=lib/$(ARCH64)/libgen.so target=libgen.so.1
625 link path=lib/$(ARCH64)/libintl.so target=libintl.so.1
626 link path=lib/$(ARCH64)/libkrmf.so target=libkrmf.so.1
627 link path=lib/$(ARCH64)/libkrmfberder.so target=libkrmfberder.so.1
628 link path=lib/$(ARCH64)/libkstat.so target=libkstat.so.1
629 link path=lib/$(ARCH64)/libmd.so target=libmd.so.1
630 link path=lib/$(ARCH64)/libmd5.so target=libmd5.so.1
631 link path=lib/$(ARCH64)/libmp.so target=libmp.so.2
632 link path=lib/$(ARCH64)/libnsl.so target=libnsl.so.1
633 link path=lib/$(ARCH64)/libnvpair.so target=libnvpair.so.1
634 link path=lib/$(ARCH64)/libpam.so target=libpam.so.1
635 link path=lib/$(ARCH64)/libposix4.so target=libposix4.so.1
636 link path=lib/$(ARCH64)/libposix4.so.1 target=librt.so.1
637 link path=lib/$(ARCH64)/libproc.so target=libproc.so.1
638 link path=lib/$(ARCH64)/libpthread.so target=libpthread.so.1
639 link path=lib/$(ARCH64)/librcm.so target=librcm.so.1
640 link path=lib/$(ARCH64)/libresolv.so target=libresolv.so.2
641 link path=lib/$(ARCH64)/librestart.so target=librestart.so.1
642 link path=lib/$(ARCH64)/librpcsvc.so target=librpcsvc.so.1
643 link path=lib/$(ARCH64)/librt.so target=librt.so.1
644 link path=lib/$(ARCH64)/librtld_db.so target=librtld_db.so.1
645 link path=lib/$(ARCH64)/libscaf.so target=libscaf.so.1
646 link path=lib/$(ARCH64)/libsec.so target=libsec.so.1
647 link path=lib/$(ARCH64)/libsecdb.so target=libsecdb.so.1
648 link path=lib/$(ARCH64)/libsendfile.so target=libsendfile.so.1
649 link path=lib/$(ARCH64)/libsocket.so target=libsocket.so.1
650 link path=lib/$(ARCH64)/libsysevent.so target=libsysevent.so.1
651 link path=lib/$(ARCH64)/libtermcap.so target=libtermcap.so.1
652 link path=lib/$(ARCH64)/libtermmlib.so target=libtermmlib.so.1
653 link path=lib/$(ARCH64)/libtermmlib.so.1 target=libcurses.so.1
654 link path=lib/$(ARCH64)/libthread.so target=libthread.so.1
655 link path=lib/$(ARCH64)/libthread_db.so target=lib_db.so.1

```

```

656 link path=lib/$(ARCH64)/libthread_db.so.1 target=libc_db.so.1
657 link path=lib/$(ARCH64)/libtsnet.so target=libtsnet.so.1
658 link path=lib/$(ARCH64)/libtsol.so target=libtsol.so.2
659 link path=lib/$(ARCH64)/libumem.so target=libumem.so.1
660 link path=lib/$(ARCH64)/libuuid.so target=libuuid.so.1
661 link path=lib/$(ARCH64)/libutil.so target=libutil.so.1
662 link path=lib/$(ARCH64)/libw.so target=libw.so.1
663 link path=lib/$(ARCH64)/libxnet.so target=libxnet.so.1
664 link path=lib/32 target=.
665 link path=lib/64 target=$(ARCH64)
666 link path=lib/crypto/32 target=.
667 link path=lib/crypto/64 target=$(ARCH64)
668 link path=lib/libadm.so target=libadm.so.1
669 link path=lib/libaio.so target=libaio.so.1
670 link path=lib/libavl.so target=libavl.so.1
671 link path=lib/libbssm.so target=libbssm.so.1
672 link path=lib/libc.so target=libc.so.1
673 link path=lib/libc_db.so target=libc_db.so.1
674 link path=lib/libcontract.so target=libcontract.so.1
675 link path=lib/libcryptoutil.so target=libcryptoutil.so.1
676 link path=lib/libctf.so target=libctf.so.1
677 link path=lib/libcurses.so target=libcurses.so.1
678 link path=lib/libdevice.so target=libdevice.so.1
679 link path=lib/libdevid.so target=libdevid.so.1
680 link path=lib/libdevinfo.so target=libdevinfo.so.1
681 link path=lib/libdl.so target=libdl.so.1
682 link path=lib/libdladm.so target=libdladm.so.1
683 link path=lib/libdmpi.so target=libdmpi.so.1
684 link path=lib/libdoor.so target=libdoor.so.1
685 link path=lib/libefi.so target=libefi.so.1
686 link path=lib/libelf.so target=libelf.so.1
687 link path=lib/libelfsign.so target=libelfsign.so.1
688 $(i386_ONLY)link path=lib/libfdisk.so target=libfdisk.so.1
689 link path=lib/libgen.so target=libgen.so.1
690 link path=lib/libintl.so target=libintl.so.1
691 link path=lib/libipmp.so target=libipmp.so.1
692 link path=lib/libkmf.so target=libkmf.so.1
693 link path=lib/libkmfberder.so target=libkmfberder.so.1
694 link path=lib/libkstat.so target=libkstat.so.1
695 link path=lib/libmd.so target=libmd.so.1
696 link path=lib/libmd5.so target=libmd5.so.1
697 link path=lib/libmp.so target=libmp.so.2
698 link path=lib/libnsl.so target=libnsl.so.1
699 link path=lib/libnvpair.so target=libnvpair.so.1
700 link path=lib/libnwam.so target=libnwam.so.1
701 link path=lib/libpam.so target=libpam.so.1
702 link path=lib/libposix4.so target=libposix4.so.1
703 link path=lib/libposix4.so.1 target=librt.so.1
704 link path=lib/libproc.so target=libproc.so.1
705 link path=lib/libpthread.so target=libpthread.so.1
706 link path=lib/librcm.so target=librcm.so.1
707 link path=lib/libresolv.so target=libresolv.so.2
708 link path=lib/librpcsvc.so target=librpcsvc.so.1
709 link path=lib/librt.so target=librt.so.1
710 link path=lib/librtld_db.so target=librtld_db.so.1
711 link path=lib/libscf.so target=libscf.so.1
712 link path=lib/libsec.so target=libsec.so.1
713 link path=lib/libsecdb.so target=libsecdb.so.1
714 link path=lib/libsendfile.so target=libsendfile.so.1
715 link path=lib/libsocket.so target=libsocket.so.1
716 link path=lib/libsysevent.so target=libsysevent.so.1
717 link path=lib/libtermcap.so target=libtermcap.so.1
718 link path=lib/libtermmlib.so target=libtermmlib.so.1
719 link path=lib/libtermmlib.so.1 target=libcurses.so.1
720 link path=lib/libthread.so target=libthread.so.1
721 link path=lib/libthread_db.so target=libc_db.so.1

```

```

722 link path=lib/libthread_db.so.1 target=libc_db.so.1
723 link path=lib/libtsol.so target=libtsol.so.2
724 link path=lib/libumem.so target=libumem.so.1
725 link path=lib/libuuid.so target=libuuid.so.1
726 link path=lib/libw.so target=libw.so.1
727 link path=lib/libxnet.so target=libxnet.so.1
728 link path=lib/secure/32 target=.
729 link path=lib/secure/64 target=$(ARCH64)
730 link path=usr/ccs/lib/$(ARCH64)/libcurses.so \
731 target=../../../../lib/$(ARCH64)/libcurses.so.1
732 link path=usr/ccs/lib/$(ARCH64)/libform.so \
733 target=../../../../lib/$(ARCH64)/libform.so.1
734 link path=usr/ccs/lib/$(ARCH64)/libgen.so \
735 target=../../../../lib/$(ARCH64)/libgen.so.1
736 link path=usr/ccs/lib/$(ARCH64)/libl.so \
737 target=../../../../lib/$(ARCH64)/libl.so.1
738 link path=usr/ccs/lib/$(ARCH64)/libmalloc.so \
739 target=../../../../lib/$(ARCH64)/libmalloc.so.1
740 link path=usr/ccs/lib/$(ARCH64)/libmenu.so \
741 target=../../../../lib/$(ARCH64)/libmenu.so.1
742 link path=usr/ccs/lib/$(ARCH64)/libpanel.so \
743 target=../../../../lib/$(ARCH64)/libpanel.so.1
744 link path=usr/ccs/lib/$(ARCH64)/libtermcap.so \
745 target=../../../../lib/$(ARCH64)/libtermcap.so.1
746 link path=usr/ccs/lib/$(ARCH64)/libtermmlib.so \
747 target=../../../../lib/$(ARCH64)/libcurses.so.1
748 link path=usr/ccs/lib/$(ARCH64)/liby.so \
749 target=../../../../lib/$(ARCH64)/liby.so.1
750 link path=usr/ccs/lib/libcurses.so target=../../../../lib/libcurses.so.1
751 link path=usr/ccs/lib/libform.so target=../../../../lib/libform.so.1
752 link path=usr/ccs/lib/libgen.so target=../../../../lib/libgen.so.1
753 link path=usr/ccs/lib/libl.so target=../../../../lib/libl.so.1
754 link path=usr/ccs/lib/libmalloc.so target=../../../../lib/libmalloc.so.1
755 link path=usr/ccs/lib/libmenu.so target=../../../../lib/libmenu.so.1
756 link path=usr/ccs/lib/libpanel.so target=../../../../lib/libpanel.so.1
757 link path=usr/ccs/lib/libtermcap.so target=../../../../lib/libtermcap.so.1
758 link path=usr/ccs/lib/libtermmlib.so target=../../../../lib/libcurses.so.1
759 link path=usr/ccs/lib/liby.so target=../../../../lib/liby.so.1
760 link path=usr/lib/$(ARCH64)/libadm.so \
761 target=../../../../lib/$(ARCH64)/libadm.so.1
762 link path=usr/lib/$(ARCH64)/libadm.so.1 \
763 target=../../../../lib/$(ARCH64)/libadm.so.1
764 link path=usr/lib/$(ARCH64)/libads.so target=libads.so.1
765 link path=usr/lib/$(ARCH64)/libadutils.so target=libadutils.so.1
766 link path=usr/lib/$(ARCH64)/libaio.so \
767 target=../../../../lib/$(ARCH64)/libaio.so.1
768 link path=usr/lib/$(ARCH64)/libaio.so.1 \
769 target=../../../../lib/$(ARCH64)/libaio.so.1
770 link path=usr/lib/$(ARCH64)/libavl.so \
771 target=../../../../lib/$(ARCH64)/libavl.so.1
772 link path=usr/lib/$(ARCH64)/libavl.so.1 \
773 target=../../../../lib/$(ARCH64)/libavl.so.1
774 link path=usr/lib/$(ARCH64)/libbsdmalloc.so target=libbsdmalloc.so.1
775 link path=usr/lib/$(ARCH64)/libbssm.so \
776 target=../../../../lib/$(ARCH64)/libbssm.so.1
777 link path=usr/lib/$(ARCH64)/libbssm.so.1 \
778 target=../../../../lib/$(ARCH64)/libbssm.so.1
779 link path=usr/lib/$(ARCH64)/libc.so target=../../../../lib/$(ARCH64)/libc.so.1
780 link path=usr/lib/$(ARCH64)/libc.so.1 target=../../../../lib/$(ARCH64)/libc.so.1
781 link path=usr/lib/$(ARCH64)/libc_db.so \
782 target=../../../../lib/$(ARCH64)/libc_db.so.1
783 link path=usr/lib/$(ARCH64)/libc_db.so.1 \
784 target=../../../../lib/$(ARCH64)/libc_db.so.1
785 link path=usr/lib/$(ARCH64)/libcfgadm.so target=libcfgadm.so.1
786 link path=usr/lib/$(ARCH64)/libcmd.so target=libcmd.so.1
787 link path=usr/lib/$(ARCH64)/libcmdutils.so.1 \

```

```

788 target=../../../../lib/$(ARCH64)/libcudutils.so.1
789 link path=usr/lib/$(ARCH64)/libcommutil.so target=libcommutil.so.1
790 link path=usr/lib/$(ARCH64)/libcontract.so \
791 target=../../../../lib/$(ARCH64)/libcontract.so.1
792 link path=usr/lib/$(ARCH64)/libcontract.so.1 \
793 target=../../../../lib/$(ARCH64)/libcontract.so.1
794 link path=usr/lib/$(ARCH64)/libcrypt.so target=libcrypt.so.1
795 link path=usr/lib/$(ARCH64)/libcrypt_d.so target=libcrypt.so
796 link path=usr/lib/$(ARCH64)/libcrypt_d.so.1 target=libcrypt.so.1
797 link path=usr/lib/$(ARCH64)/libcrypt_i.so target=libcrypt.so
798 link path=usr/lib/$(ARCH64)/libcrypt_i.so.1 target=libcrypt.so.1
799 link path=usr/lib/$(ARCH64)/libctf.so \
800 target=../../../../lib/$(ARCH64)/libctf.so.1
801 link path=usr/lib/$(ARCH64)/libctf.so.1 \
802 target=../../../../lib/$(ARCH64)/libctf.so.1
803 link path=usr/lib/$(ARCH64)/libcurses.so \
804 target=../../../../lib/$(ARCH64)/libcurses.so.1
805 link path=usr/lib/$(ARCH64)/libcurses.so.1 \
806 target=../../../../lib/$(ARCH64)/libcurses.so.1
807 link path=usr/lib/$(ARCH64)/libdevice.so \
808 target=../../../../lib/$(ARCH64)/libdevice.so.1
809 link path=usr/lib/$(ARCH64)/libdevice.so.1 \
810 target=../../../../lib/$(ARCH64)/libdevice.so.1
811 link path=usr/lib/$(ARCH64)/libdevid.so \
812 target=../../../../lib/$(ARCH64)/libdevid.so.1
813 link path=usr/lib/$(ARCH64)/libdevid.so.1 \
814 target=../../../../lib/$(ARCH64)/libdevid.so.1
815 link path=usr/lib/$(ARCH64)/libdevinfo.so \
816 target=../../../../lib/$(ARCH64)/libdevinfo.so.1
817 link path=usr/lib/$(ARCH64)/libdevinfo.so.1 \
818 target=../../../../lib/$(ARCH64)/libdevinfo.so.1
819 link path=usr/lib/$(ARCH64)/libdhcputil.so.1 \
820 target=../../../../lib/$(ARCH64)/libdhcputil.so.1
821 link path=usr/lib/$(ARCH64)/libdisasm.so target=libdisasm.so.1
822 link path=usr/lib/$(ARCH64)/libdl.so target=../../../../lib/$(ARCH64)/libdl.so.1
823 link path=usr/lib/$(ARCH64)/libdl.so.1 \
824 target=../../../../lib/$(ARCH64)/libdl.so.1
825 link path=usr/lib/$(ARCH64)/libdlpi.so \
826 target=../../../../lib/$(ARCH64)/libdlpi.so.1
827 link path=usr/lib/$(ARCH64)/libdlpi.so.1 \
828 target=../../../../lib/$(ARCH64)/libdlpi.so.1
829 link path=usr/lib/$(ARCH64)/libdoor.so \
830 target=../../../../lib/$(ARCH64)/libdoor.so.1
831 link path=usr/lib/$(ARCH64)/libdoor.so.1 \
832 target=../../../../lib/$(ARCH64)/libdoor.so.1
833 link path=usr/lib/$(ARCH64)/libefi.so \
834 target=../../../../lib/$(ARCH64)/libefi.so.1
835 link path=usr/lib/$(ARCH64)/libefi.so.1 \
836 target=../../../../lib/$(ARCH64)/libefi.so.1
837 link path=usr/lib/$(ARCH64)/libelf.so \
838 target=../../../../lib/$(ARCH64)/libelf.so.1
839 link path=usr/lib/$(ARCH64)/libelf.so.1 \
840 target=../../../../lib/$(ARCH64)/libelf.so.1
841 link path=usr/lib/$(ARCH64)/libexacct.so target=libexacct.so.1
842 ${i386_ONLY}link path=usr/lib/$(ARCH64)/libfdisk.so \
843 target=../../../../lib/$(ARCH64)/libfdisk.so.1
844 ${i386_ONLY}link path=usr/lib/$(ARCH64)/libfdisk.so.1 \
845 target=../../../../lib/$(ARCH64)/libfdisk.so.1
846 link path=usr/lib/$(ARCH64)/libform.so target=libform.so.1
847 link path=usr/lib/$(ARCH64)/libfstyp.so target=libfstyp.so.1
848 link path=usr/lib/$(ARCH64)/libgen.so \
849 target=../../../../lib/$(ARCH64)/libgen.so.1
850 link path=usr/lib/$(ARCH64)/libgen.so.1 \
851 target=../../../../lib/$(ARCH64)/libgen.so.1
852 link path=usr/lib/$(ARCH64)/libhotplug.so target=libhotplug.so.1
853 link path=usr/lib/$(ARCH64)/libidmap.so target=libidmap.so.1

```

```

854 link path=usr/lib/$(ARCH64)/libinetutil.so.1 \
855 target=../../../../lib/$(ARCH64)/libinetutil.so.1
856 link path=usr/lib/$(ARCH64)/libintl.so \
857 target=../../../../lib/$(ARCH64)/libintl.so.1
858 link path=usr/lib/$(ARCH64)/libintl.so.1 \
859 target=../../../../lib/$(ARCH64)/libintl.so.1
860 link path=usr/lib/$(ARCH64)/libipmi.so target=libipmi.so.1
861 link path=usr/lib/$(ARCH64)/libipp.so target=libipp.so.1
862 link path=usr/lib/$(ARCH64)/libkstat.so \
863 target=../../../../lib/$(ARCH64)/libkstat.so.1
864 link path=usr/lib/$(ARCH64)/libkstat.so.1 \
865 target=../../../../lib/$(ARCH64)/libkstat.so.1
866 link path=usr/lib/$(ARCH64)/libkvm.so target=libkvm.so.1
867 link path=usr/lib/$(ARCH64)/libl.so target=libl.so.1
868 link path=usr/lib/$(ARCH64)/libldap.so target=libldap.so.5
869 link path=usr/lib/$(ARCH64)/liblddbg.so.4 \
870 target=../../../../lib/$(ARCH64)/liblddbg.so.4
871 link path=usr/lib/$(ARCH64)/liblgrp.so target=liblgrp.so.1
872 link path=usr/lib/$(ARCH64)/liblm.so target=liblm.so.1
873 link path=usr/lib/$(ARCH64)/libmail.so target=libmail.so.1
874 link path=usr/lib/$(ARCH64)/libmalloc.so target=libmalloc.so.1
875 link path=usr/lib/$(ARCH64)/libmapmalloc.so target=libmapmalloc.so.1
876 link path=usr/lib/$(ARCH64)/libmd.so target=../../../../lib/$(ARCH64)/libmd.so.1
877 link path=usr/lib/$(ARCH64)/libmd.so.1 \
878 target=../../../../lib/$(ARCH64)/libmd.so.1
879 link path=usr/lib/$(ARCH64)/libmd5.so \
880 target=../../../../lib/$(ARCH64)/libmd5.so.1
881 link path=usr/lib/$(ARCH64)/libmd5.so.1 \
882 target=../../../../lib/$(ARCH64)/libmd5.so.1
883 link path=usr/lib/$(ARCH64)/libmenu.so target=libmenu.so.1
884 link path=usr/lib/$(ARCH64)/libmp.so target=../../../../lib/$(ARCH64)/libmp.so.2
885 link path=usr/lib/$(ARCH64)/libmp.so.2 \
886 target=../../../../lib/$(ARCH64)/libmp.so.2
887 link path=usr/lib/$(ARCH64)/libmtmalloc.so target=libmtmalloc.so.1
888 link path=usr/lib/$(ARCH64)/libnls.so target=libnls.so.1
889 link path=usr/lib/$(ARCH64)/libnsl.so \
890 target=../../../../lib/$(ARCH64)/libnsl.so.1
891 link path=usr/lib/$(ARCH64)/libnsl.so.1 \
892 target=../../../../lib/$(ARCH64)/libnsl.so.1
893 link path=usr/lib/$(ARCH64)/libnvpair.so \
894 target=../../../../lib/$(ARCH64)/libnvpair.so.1
895 link path=usr/lib/$(ARCH64)/libnvpair.so.1 \
896 target=../../../../lib/$(ARCH64)/libnvpair.so.1
897 link path=usr/lib/$(ARCH64)/libpam.so \
898 target=../../../../lib/$(ARCH64)/libpam.so.1
899 link path=usr/lib/$(ARCH64)/libpam.so.1 \
900 target=../../../../lib/$(ARCH64)/libpam.so.1
901 link path=usr/lib/$(ARCH64)/libpanel.so target=libpanel.so.1
902 link path=usr/lib/$(ARCH64)/libpkcs11.so target=libpkcs11.so.1
903 link path=usr/lib/$(ARCH64)/libposix4.so \
904 target=../../../../lib/$(ARCH64)/librt.so.1
905 link path=usr/lib/$(ARCH64)/libposix4.so.1 \
906 target=../../../../lib/$(ARCH64)/librt.so.1
907 link path=usr/lib/$(ARCH64)/libproc.so \
908 target=../../../../lib/$(ARCH64)/libproc.so.1
909 link path=usr/lib/$(ARCH64)/libproc.so.1 \
910 target=../../../../lib/$(ARCH64)/libproc.so.1
911 link path=usr/lib/$(ARCH64)/libproject.so target=libproject.so.1
912 link path=usr/lib/$(ARCH64)/libpthread.so \
913 target=../../../../lib/$(ARCH64)/libpthread.so.1
914 link path=usr/lib/$(ARCH64)/libpthread.so.1 \
915 target=../../../../lib/$(ARCH64)/libpthread.so.1
916 link path=usr/lib/$(ARCH64)/librcm.so \
917 target=../../../../lib/$(ARCH64)/librcm.so.1
918 link path=usr/lib/$(ARCH64)/librcm.so.1 \
919 target=../../../../lib/$(ARCH64)/librcm.so.1

```

```

920 link path=usr/lib/$(ARCH64)/libreparse.so target=libreparse.so.1
921 link path=usr/lib/$(ARCH64)/libresolv.so \
922   target=../../../../lib/$(ARCH64)/libresolv.so.2
923 link path=usr/lib/$(ARCH64)/libresolv.so.2 \
924   target=../../../../lib/$(ARCH64)/libresolv.so.2
925 $(i386_ONLY)link path=usr/lib/$(ARCH64)/librestart.so \
926   target=../../../../lib/$(ARCH64)/librestart.so.1
927 link path=usr/lib/$(ARCH64)/librestart.so.1 \
928   target=../../../../lib/$(ARCH64)/librestart.so.1
929 link path=usr/lib/$(ARCH64)/librpcsvc.so \
930   target=../../../../lib/$(ARCH64)/librpcsvc.so.1
931 link path=usr/lib/$(ARCH64)/librpcsvc.so.1 \
932   target=../../../../lib/$(ARCH64)/librpcsvc.so.1
933 link path=usr/lib/$(ARCH64)/librt.so target=../../../../lib/$(ARCH64)/librt.so.1
934 link path=usr/lib/$(ARCH64)/librt.so.1 \
935   target=../../../../lib/$(ARCH64)/librt.so.1
936 link path=usr/lib/$(ARCH64)/librtld.so.1 \
937   target=../../../../lib/$(ARCH64)/librtld.so.1
938 link path=usr/lib/$(ARCH64)/librtld_db.so \
939   target=../../../../lib/$(ARCH64)/librtld_db.so.1
940 link path=usr/lib/$(ARCH64)/librtld_db.so.1 \
941   target=../../../../lib/$(ARCH64)/librtld_db.so.1
942 link path=usr/lib/$(ARCH64)/libscf.so \
943   target=../../../../lib/$(ARCH64)/libscf.so.1
944 link path=usr/lib/$(ARCH64)/libscf.so.1 \
945   target=../../../../lib/$(ARCH64)/libscf.so.1
946 link path=usr/lib/$(ARCH64)/libsched.so target=libsched.so.1
947 link path=usr/lib/$(ARCH64)/libsctp.so target=./libsctp.so.1
948 link path=usr/lib/$(ARCH64)/libsec.so \
949   target=../../../../lib/$(ARCH64)/libsec.so.1
950 link path=usr/lib/$(ARCH64)/libsec.so.1 \
951   target=../../../../lib/$(ARCH64)/libsec.so.1
952 link path=usr/lib/$(ARCH64)/libsecdb.so \
953   target=../../../../lib/$(ARCH64)/libsecdb.so.1
954 link path=usr/lib/$(ARCH64)/libsecdb.so.1 \
955   target=../../../../lib/$(ARCH64)/libsecdb.so.1
956 link path=usr/lib/$(ARCH64)/libsndfile.so \
957   target=../../../../lib/$(ARCH64)/libsndfile.so.1
958 link path=usr/lib/$(ARCH64)/libsndfile.so.1 \
959   target=../../../../lib/$(ARCH64)/libsndfile.so.1
960 link path=usr/lib/$(ARCH64)/libsip.so target=./libsip.so.1
961 link path=usr/lib/$(ARCH64)/libslldap.so target=libslldap.so.1
962 link path=usr/lib/$(ARCH64)/libmbios.so target=libmbios.so.1
963 link path=usr/lib/$(ARCH64)/libsocket.so \
964   target=../../../../lib/$(ARCH64)/libsocket.so.1
965 link path=usr/lib/$(ARCH64)/libsocket.so.1 \
966   target=../../../../lib/$(ARCH64)/libsocket.so.1
967 link path=usr/lib/$(ARCH64)/libsoftcrypto.so target=./libsoftcrypto.so.1
968 link path=usr/lib/$(ARCH64)/libsysevent.so \
969   target=../../../../lib/$(ARCH64)/libsysevent.so.1
970 link path=usr/lib/$(ARCH64)/libsysevent.so.1 \
971   target=../../../../lib/$(ARCH64)/libsysevent.so.1
972 link path=usr/lib/$(ARCH64)/libtermcap.so \
973   target=../../../../lib/$(ARCH64)/libtermcap.so.1
974 link path=usr/lib/$(ARCH64)/libtermcap.so.1 \
975   target=../../../../lib/$(ARCH64)/libtermcap.so.1
976 link path=usr/lib/$(ARCH64)/libtermplib.so \
977   target=../../../../lib/$(ARCH64)/libcurses.so.1
978 link path=usr/lib/$(ARCH64)/libtermplib.so.1 \
979   target=../../../../lib/$(ARCH64)/libcurses.so.1
980 link path=usr/lib/$(ARCH64)/libthread.so \
981   target=../../../../lib/$(ARCH64)/libthread.so.1
982 link path=usr/lib/$(ARCH64)/libthread.so.1 \
983   target=../../../../lib/$(ARCH64)/libthread.so.1
984 link path=usr/lib/$(ARCH64)/libthread_db.so \
985   target=../../../../lib/$(ARCH64)/libc_db.so.1

```

```

986 link path=usr/lib/$(ARCH64)/libthread_db.so.1 \
987   target=../../../../lib/$(ARCH64)/libc_db.so.1
988 link path=usr/lib/$(ARCH64)/libtsnet.so \
989   target=../../../../lib/$(ARCH64)/libtsnet.so.1
990 link path=usr/lib/$(ARCH64)/libtsnet.so.1 \
991   target=../../../../lib/$(ARCH64)/libtsnet.so.1
992 link path=usr/lib/$(ARCH64)/libtsol.so \
993   target=../../../../lib/$(ARCH64)/libtsol.so.2
994 link path=usr/lib/$(ARCH64)/libtsol.so.2 \
995   target=../../../../lib/$(ARCH64)/libtsol.so.2
996 link path=usr/lib/$(ARCH64)/libumem.so \
997   target=../../../../lib/$(ARCH64)/libumem.so.1
998 link path=usr/lib/$(ARCH64)/libumem.so.1 \
999   target=../../../../lib/$(ARCH64)/libumem.so.1
1000 link path=usr/lib/$(ARCH64)/libuuid.so \
1001   target=../../../../lib/$(ARCH64)/libuuid.so.1
1002 link path=usr/lib/$(ARCH64)/libuuid.so.1 \
1003   target=../../../../lib/$(ARCH64)/libuuid.so.1
1004 $(i386_ONLY)link path=usr/lib/$(ARCH64)/libuutil.so \
1005   target=../../../../lib/$(ARCH64)/libuutil.so.1
1006 link path=usr/lib/$(ARCH64)/libuutil.so.1 \
1007   target=../../../../lib/$(ARCH64)/libuutil.so.1
1008 $(sparc_ONLY)link path=usr/lib/$(ARCH64)/libv12n.so target=./libv12n.so.1
1009 link path=usr/lib/$(ARCH64)/libvolmgt.so target=libvolmgt.so.1
1010 link path=usr/lib/$(ARCH64)/libw.so target=../../../../lib/$(ARCH64)/libw.so.1
1011 link path=usr/lib/$(ARCH64)/libw.so.1 target=../../../../lib/$(ARCH64)/libw.so.1
1012 link path=usr/lib/$(ARCH64)/libwrap.so target=libwrap.so.1.0
1013 link path=usr/lib/$(ARCH64)/libwrap.so.1 target=libwrap.so.1.0
1014 link path=usr/lib/$(ARCH64)/libxnet.so \
1015   target=../../../../lib/$(ARCH64)/libxnet.so.1
1016 link path=usr/lib/$(ARCH64)/libxnet.so.1 \
1017   target=../../../../lib/$(ARCH64)/libxnet.so.1
1018 link path=usr/lib/$(ARCH64)/liby.so target=liby.so.1
1019 link path=usr/lib/$(ARCH64)/libzoneinfo.so target=./libzoneinfo.so.1
1020 link path=usr/lib/$(ARCH64)/nss_compat.so.1 \
1021   target=../../../../lib/$(ARCH64)/nss_compat.so.1
1022 link path=usr/lib/$(ARCH64)/nss_dns.so.1 \
1023   target=../../../../lib/$(ARCH64)/nss_dns.so.1
1024 link path=usr/lib/$(ARCH64)/nss_files.so.1 \
1025   target=../../../../lib/$(ARCH64)/nss_files.so.1
1026 link path=usr/lib/$(ARCH64)/nss_nis.so.1 \
1027   target=../../../../lib/$(ARCH64)/nss_nis.so.1
1028 link path=usr/lib/$(ARCH64)/nss_user.so.1 \
1029   target=../../../../lib/$(ARCH64)/nss_user.so.1
1030 link path=usr/lib/$(ARCH64)/straddr.so target=straddr.so.2
1031 link path=usr/lib/32 target=
1032 link path=usr/lib/64 target=$(ARCH64)
1033 link path=usr/lib/cfgadm/$(ARCH64)/ib.so target=./ib.so.1
1034 link path=usr/lib/cfgadm/$(ARCH64)/pci.so target=./pci.so.1
1035 $(i386_ONLY)link path=usr/lib/cfgadm/$(ARCH64)/sata.so target=./sata.so.1
1036 link path=usr/lib/cfgadm/$(ARCH64)/scsi.so target=./scsi.so.1
1037 link path=usr/lib/cfgadm/$(ARCH64)/shp.so target=./shp.so.1
1038 link path=usr/lib/cfgadm/$(ARCH64)/usb.so target=./usb.so.1
1039 link path=usr/lib/cfgadm/ib.so target=./ib.so.1
1040 link path=usr/lib/cfgadm/pci.so target=./pci.so.1
1041 $(i386_ONLY)link path=usr/lib/cfgadm/sata.so target=./sata.so.1
1042 link path=usr/lib/cfgadm/scsi.so target=./scsi.so.1
1043 link path=usr/lib/cfgadm/shp.so target=./shp.so.1
1044 link path=usr/lib/cfgadm/usb.so target=./usb.so.1
1045 link path=usr/lib/libadm.so target=../../../../lib/libadm.so.1
1046 link path=usr/lib/libadm.so.1 target=../../../../lib/libadm.so.1
1047 link path=usr/lib/libads.so target=./libads.so.1
1048 link path=usr/lib/libadutils.so target=./libadutils.so.1
1049 link path=usr/lib/libaio.so target=../../../../lib/libaio.so.1
1050 link path=usr/lib/libaio.so.1 target=../../../../lib/libaio.so.1
1051 link path=usr/lib/libavl.so target=../../../../lib/libavl.so.1

```

```

1052 link path=usr/lib/libavl.so.1 target=../lib/libavl.so.1
1053 link path=usr/lib/libbsdmalloc.so target=../libbsdmalloc.so.1
1054 link path=usr/lib/libbsm.so target=../lib/libbsm.so.1
1055 link path=usr/lib/libbsm.so.1 target=../lib/libbsm.so.1
1056 link path=usr/lib/libc.so target=../lib/libc.so.1
1057 link path=usr/lib/libc.so.1 target=../lib/libc.so.1
1058 link path=usr/lib/libc_db.so target=../lib/libc_db.so.1
1059 link path=usr/lib/libc_db.so.1 target=../lib/libc_db.so.1
1060 link path=usr/lib/libcfdgadm.so target=../libcfdgadm.so.1
1061 link path=usr/lib/libcmd.so target=libcmd.so.1
1062 link path=usr/lib/libcmdutils.so.1 target=../lib/libcmdutils.so.1
1063 link path=usr/lib/libcommputil.so target=../lib/libcommputil.so.1
1064 link path=usr/lib/libcontract.so target=../lib/libcontract.so.1
1065 link path=usr/lib/libcontract.so.1 target=../lib/libcontract.so.1
1066 link path=usr/lib/libcrypt.so target=../libcrypt.so.1
1067 link path=usr/lib/libcrypt_d.so target=../libcrypt.so.1
1068 link path=usr/lib/libcrypt_d.so.1 target=../libcrypt.so.1
1069 link path=usr/lib/libcrypt_i.so target=../libcrypt.so.1
1070 link path=usr/lib/libcrypt_i.so.1 target=../libcrypt.so.1
1071 link path=usr/lib/libctf.so target=../lib/libctf.so.1
1072 link path=usr/lib/libctf.so.1 target=../lib/libctf.so.1
1073 link path=usr/lib/libcurses.so target=../lib/libcurses.so.1
1074 link path=usr/lib/libcurses.so.1 target=../lib/libcurses.so.1
1075 link path=usr/lib/libdevice.so target=../lib/libdevice.so.1
1076 link path=usr/lib/libdevice.so.1 target=../lib/libdevice.so.1
1077 link path=usr/lib/libdevid.so target=../lib/libdevid.so.1
1078 link path=usr/lib/libdevid.so.1 target=../lib/libdevid.so.1
1079 link path=usr/lib/libdevinfo.so target=../lib/libdevinfo.so.1
1080 link path=usr/lib/libdevinfo.so.1 target=../lib/libdevinfo.so.1
1081 link path=usr/lib/libdhcpagent.so.1 target=../lib/libdhcpagent.so.1
1082 link path=usr/lib/libdhcputil.so.1 target=../lib/libdhcputil.so.1
1083 link path=usr/lib/libdisasm.so target=../libdisasm.so.1
1084 link path=usr/lib/libldl.so target=../lib/libldl.so.1
1085 link path=usr/lib/libldl.so.1 target=../lib/libldl.so.1
1086 link path=usr/lib/libldlpi.so target=../lib/libldlpi.so.1
1087 link path=usr/lib/libldlpi.so.1 target=../lib/libldlpi.so.1
1088 link path=usr/lib/libdoor.so target=../lib/libdoor.so.1
1089 link path=usr/lib/libdoor.so.1 target=../lib/libdoor.so.1
1090 link path=usr/lib/libefi.so target=../lib/libefi.so.1
1091 link path=usr/lib/libefi.so.1 target=../lib/libefi.so.1
1092 link path=usr/lib/libelf.so target=../lib/libelf.so.1
1093 link path=usr/lib/libelf.so.1 target=../lib/libelf.so.1
1094 link path=usr/lib/libexacct.so target=../libexacct.so.1
1095 $(i386_ONLY)link path=usr/lib/libfdisk.so target=../lib/libfdisk.so.1
1096 $(i386_ONLY)link path=usr/lib/libfdisk.so.1 target=../lib/libfdisk.so.1
1097 link path=usr/lib/libform.so target=../libform.so.1
1098 link path=usr/lib/libfstyp.so target=../libfstyp.so.1
1099 link path=usr/lib/libgen.so target=../lib/libgen.so.1
1100 link path=usr/lib/libgen.so.1 target=../lib/libgen.so.1
1101 link path=usr/lib/libhotplug.so target=../libhotplug.so.1
1102 link path=usr/lib/libidmap.so target=../libidmap.so.1
1103 link path=usr/lib/libinetutil.so.1 target=../lib/libinetutil.so.1
1104 link path=usr/lib/libintl.so target=../lib/libintl.so.1
1105 link path=usr/lib/libintl.so.1 target=../lib/libintl.so.1
1106 link path=usr/lib/libipmi.so target=../libipmi.so.1
1107 link path=usr/lib/libipp.so target=../libipp.so.1
1108 link path=usr/lib/libkstat.so target=../lib/libkstat.so.1
1109 link path=usr/lib/libkstat.so.1 target=../lib/libkstat.so.1
1110 link path=usr/lib/libkvm.so target=../libkvm.so.1
1111 link path=usr/lib/libl.so target=../libl.so.1
1112 link path=usr/lib/libldap.so target=libldap.so.5
1113 link path=usr/lib/liblddbg.so.4 target=../lib/liblddbg.so.4
1114 link path=usr/lib/liblgrp.so target=../liblgrp.so.1
1115 link path=usr/lib/liblrm.so target=../liblrm.so.1
1116 link path=usr/lib/libmail.so target=../libmail.so.1
1117 link path=usr/lib/libmalloc.so target=../libmalloc.so.1

```

```

1118 link path=usr/lib/libmapmalloc.so target=../libmapmalloc.so.1
1119 link path=usr/lib/libmd.so target=../lib/libmd.so.1
1120 link path=usr/lib/libmd.so.1 target=../lib/libmd.so.1
1121 link path=usr/lib/libmd5.so target=../lib/libmd5.so.1
1122 link path=usr/lib/libmd5.so.1 target=../lib/libmd5.so.1
1123 link path=usr/lib/libmenu.so target=../libmenu.so.1
1124 link path=usr/lib/libmp.so target=../lib/libmp.so.2
1125 link path=usr/lib/libmp.so.1 target=../lib/libmp.so.1
1126 link path=usr/lib/libmp.so.2 target=../lib/libmp.so.2
1127 link path=usr/lib/libmtmalloc.so target=../libmtmalloc.so.1
1128 link path=usr/lib/libnls.so target=../libnls.so.1
1129 link path=usr/lib/libnsl.so target=../lib/libnsl.so.1
1130 link path=usr/lib/libnsl.so.1 target=../lib/libnsl.so.1
1131 link path=usr/lib/libnvpair.so target=../lib/libnvpair.so.1
1132 link path=usr/lib/libnvpair.so.1 target=../lib/libnvpair.so.1
1133 link path=usr/lib/libpam.so target=../lib/libpam.so.1
1134 link path=usr/lib/libpam.so.1 target=../lib/libpam.so.1
1135 link path=usr/lib/libpanel.so target=../libpanel.so.1
1136 link path=usr/lib/libpkcs11.so target=../lib/libpkcs11.so.1
1137 link path=usr/lib/libposix4.so target=../lib/librt.so.1
1138 link path=usr/lib/libposix4.so.1 target=../lib/librt.so.1
1139 link path=usr/lib/libproc.so target=../lib/libproc.so.1
1140 link path=usr/lib/libproc.so.1 target=../lib/libproc.so.1
1141 link path=usr/lib/libproject.so target=../libproject.so.1
1142 link path=usr/lib/libpthread.so target=../lib/libpthread.so.1
1143 link path=usr/lib/libpthread.so.1 target=../lib/libpthread.so.1
1144 link path=usr/lib/librcm.so target=../lib/librcm.so.1
1145 link path=usr/lib/librcm.so.1 target=../lib/librcm.so.1
1146 link path=usr/lib/libreparse.so target=../libreparse.so.1
1147 link path=usr/lib/libresolv.so target=../lib/libresolv.so.2
1148 link path=usr/lib/libresolv.so.1 target=../lib/libresolv.so.1
1149 link path=usr/lib/libresolv.so.2 target=../lib/libresolv.so.2
1150 link path=usr/lib/librestart.so.1 target=../lib/librestart.so.1
1151 link path=usr/lib/librpcsvc.so target=../lib/librpcsvc.so.1
1152 link path=usr/lib/librpcsvc.so.1 target=../lib/librpcsvc.so.1
1153 link path=usr/lib/librt.so target=../lib/librt.so.1
1154 link path=usr/lib/librt.so.1 target=../lib/librt.so.1
1155 link path=usr/lib/librtld.so.1 target=../lib/librtld.so.1
1156 link path=usr/lib/librtld_db.so target=../lib/librtld_db.so.1
1157 link path=usr/lib/librtld_db.so.1 target=../lib/librtld_db.so.1
1158 link path=usr/lib/libscf.so target=../lib/libscf.so.1
1159 link path=usr/lib/libscf.so.1 target=../lib/libscf.so.1
1160 link path=usr/lib/libsched.so target=../lib/libsched.so.1
1161 link path=usr/lib/libsectp.so target=../libsectp.so.1
1162 link path=usr/lib/libsec.so target=../lib/libsec.so.1
1163 link path=usr/lib/libsec.so.1 target=../lib/libsec.so.1
1164 link path=usr/lib/libsecdb.so target=../lib/libsecdb.so.1
1165 link path=usr/lib/libsecdb.so.1 target=../lib/libsecdb.so.1
1166 link path=usr/lib/libsendfile.so target=../lib/libsendfile.so.1
1167 link path=usr/lib/libsendfile.so.1 target=../lib/libsendfile.so.1
1168 link path=usr/lib/libsip.so target=../lib/libsip.so.1
1169 link path=usr/lib/libslldap.so target=libslldap.so.1
1170 link path=usr/lib/libmbios.so target=libmbios.so.1
1171 link path=usr/lib/libsocket.so target=../lib/libsocket.so.1
1172 link path=usr/lib/libsocket.so.1 target=../lib/libsocket.so.1
1173 link path=usr/lib/libsoftcrypto.so target=../libsoftcrypto.so.1
1174 link path=usr/lib/libsys.so target=../libsys.so.1
1175 link path=usr/lib/libsyssevent.so target=../lib/libsyssevent.so.1
1176 link path=usr/lib/libsyssevent.so.1 target=../lib/libsyssevent.so.1
1177 link path=usr/lib/libtermcap.so target=../lib/libtermcap.so.1
1178 link path=usr/lib/libtermcap.so.1 target=../lib/libtermcap.so.1
1179 link path=usr/lib/libtermmlib.so target=../lib/libcurses.so.1
1180 link path=usr/lib/libtermmlib.so.1 target=../lib/libcurses.so.1
1181 link path=usr/lib/libthread.so target=../lib/libthread.so.1
1182 link path=usr/lib/libthread.so.1 target=../lib/libthread.so.1
1183 link path=usr/lib/libthread_db.so target=../lib/libthread_db.so.1

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1184 link path=usr/lib/libthread_db.so.1 target=../lib/libc_db.so.1
1185 link path=usr/lib/libtsnet.so target=../lib/libtsnet.so.1
1186 link path=usr/lib/libtsnet.so.1 target=../lib/libtsnet.so.1
1187 link path=usr/lib/libtsol.so target=../lib/libtsol.so.2
1188 link path=usr/lib/libtsol.so.2 target=../lib/libtsol.so.2
1189 link path=usr/lib/libumem.so target=../lib/libumem.so.1
1190 link path=usr/lib/libumem.so.1 target=../lib/libumem.so.1
1191 link path=usr/lib/libuserdefs.so target=../libuserdefs.so.1
1192 link path=usr/lib/libuuid.so target=../lib/libuuid.so.1
1193 link path=usr/lib/libuuid.so.1 target=../lib/libuuid.so.1
1194 link path=usr/lib/libutil.so.1 target=../lib/libutil.so.1
1195 $(sparc_ONLY)link path=usr/lib/libv12n.so target=../libv12n.so.1
1196 link path=usr/lib/libvolmgt.so target=../libvolmgt.so.1
1197 link path=usr/lib/libw.so target=../lib/libw.so.1
1198 link path=usr/lib/libw.so.1 target=../lib/libw.so.1
1199 link path=usr/lib/libwrap.so target=libwrap.so.1.0
1200 link path=usr/lib/libwrap.so.1 target=libwrap.so.1.0
1201 link path=usr/lib/libxnet.so target=../lib/libxnet.so.1
1202 link path=usr/lib/libxnet.so.1 target=../lib/libxnet.so.1
1203 link path=usr/lib/liby.so target=../liby.so.1
1204 link path=usr/lib/libzoneinfo.so target=../libzoneinfo.so.1
1205 link path=usr/lib/lwp/$(ARCH64)/libthread.so.1 \
1206 target=../$(ARCH64)/libthread.so.1
1207 link path=usr/lib/lwp/$(ARCH64)/libthread_db.so.1 \
1208 target=../$(ARCH64)/libthread_db.so.1
1209 link path=usr/lib/lwp/32 target=
1210 link path=usr/lib/lwp/64 target=$(ARCH64)
1211 link path=usr/lib/lwp/libthread.so.1 target=../libthread.so.1
1212 link path=usr/lib/lwp/libthread_db.so.1 target=../libthread_db.so.1
1213 link path=usr/lib/nss_compat.so.1 target=../lib/nss_compat.so.1
1214 link path=usr/lib/nss_dns.so.1 target=../lib/nss_dns.so.1
1215 link path=usr/lib/nss_files.so.1 target=../lib/nss_files.so.1
1216 link path=usr/lib/nss_nis.so.1 target=../lib/nss_nis.so.1
1217 link path=usr/lib/nss_user.so.1 target=../lib/nss_user.so.1
1218 link path=usr/lib/scsi/$(ARCH64)/libscsi.so target=../libscsi.so.1
1219 link path=usr/lib/scsi/$(ARCH64)/libsesc.so target=../libsesc.so.1
1220 link path=usr/lib/scsi/$(ARCH64)/libsmp.so target=../libsmp.so.1
1221 link path=usr/lib/scsi/libsesc.so target=../libsesc.so.1
1222 link path=usr/lib/scsi/libsesc.so target=../libsesc.so.1
1223 link path=usr/lib/scsi/libsmp.so target=../libsmp.so.1
1224 link path=usr/lib/security/$(ARCH64)/crypt_bsdbf.so target=../crypt_bsdbf.so.1
1225 link path=usr/lib/security/$(ARCH64)/crypt_bsdbf.so \
1226 target=../crypt_bsdbf.so.1
1227 link path=usr/lib/security/$(ARCH64)/crypt_sha256.so \
1228 target=../crypt_sha256.so.1
1229 link path=usr/lib/security/$(ARCH64)/crypt_sha512.so \
1230 target=../crypt_sha512.so.1
1231 link path=usr/lib/security/$(ARCH64)/crypt_sunmd5.so \
1232 target=../crypt_sunmd5.so.1
1233 link path=usr/lib/security/$(ARCH64)/pam_allow.so target=../pam_allow.so.1
1234 link path=usr/lib/security/$(ARCH64)/pam_authtok_check.so \
1235 target=../pam_authtok_check.so.1
1236 link path=usr/lib/security/$(ARCH64)/pam_authtok_get.so \
1237 target=../pam_authtok_get.so.1
1238 link path=usr/lib/security/$(ARCH64)/pam_authtok_store.so \
1239 target=../pam_authtok_store.so.1
1240 link path=usr/lib/security/$(ARCH64)/pam_deny.so target=../pam_deny.so.1
1241 link path=usr/lib/security/$(ARCH64)/pam_dhkeys.so target=../pam_dhkeys.so.1
1242 link path=usr/lib/security/$(ARCH64)/pam_dial_auth.so \
1243 target=../pam_dial_auth.so.1
1244 link path=usr/lib/security/$(ARCH64)/pam_ldap.so target=../pam_ldap.so.1
1245 link path=usr/lib/security/$(ARCH64)/pam_list.so target=../pam_list.so.1
1246 link path=usr/lib/security/$(ARCH64)/pam_passwd_auth.so \
1247 target=../pam_passwd_auth.so.1
1248 link path=usr/lib/security/$(ARCH64)/pam_rhosts_auth.so \
1249 target=../pam_rhosts_auth.so.1

```

```

1250 link path=usr/lib/security/$(ARCH64)/pam_roles.so target=../pam_roles.so.1
1251 link path=usr/lib/security/$(ARCH64)/pam_sample.so target=../pam_sample.so.1
1252 link path=usr/lib/security/$(ARCH64)/pam_timestamp.so \
1253 target=../pam_timestamp.so.1
1254 link path=usr/lib/security/$(ARCH64)/pam_tsol_account.so \
1255 target=../pam_tsol_account.so.1
1256 link path=usr/lib/security/$(ARCH64)/pam_unix_account.so \
1257 target=../pam_unix_account.so.1
1258 link path=usr/lib/security/$(ARCH64)/pam_unix_auth.so \
1259 target=../pam_unix_auth.so.1
1260 link path=usr/lib/security/$(ARCH64)/pam_unix_cred.so \
1261 target=../pam_unix_cred.so.1
1262 link path=usr/lib/security/$(ARCH64)/pam_unix_session.so \
1263 target=../pam_unix_session.so.1
1264 link path=usr/lib/security/$(ARCH64)/pkcs11_kernel.so \
1265 target=../pkcs11_kernel.so.1
1266 link path=usr/lib/security/$(ARCH64)/pkcs11_softtoken.so \
1267 target=../pkcs11_softtoken.so.1
1268 link path=usr/lib/security/$(ARCH64)/pkcs11_tpm.so target=../pkcs11_tpm.so.1
1269 link path=usr/lib/security/64 target=$(ARCH64)
1270 link path=usr/lib/security/audit_binfile.so target=../audit_binfile.so.1
1271 link path=usr/lib/security/audit_remote.so target=../audit_remote.so.1
1272 link path=usr/lib/security/audit_syslog.so target=../audit_syslog.so.1
1273 link path=usr/lib/security/crypt_bsdbf.so target=../crypt_bsdbf.so.1
1274 link path=usr/lib/security/crypt_bsdbf.so target=../crypt_bsdbf.so.1
1275 link path=usr/lib/security/crypt_sha256.so target=../crypt_sha256.so.1
1276 link path=usr/lib/security/crypt_sha512.so target=../crypt_sha512.so.1
1277 link path=usr/lib/security/crypt_sunmd5.so target=../crypt_sunmd5.so.1
1278 link path=usr/lib/security/pam_allow.so target=../pam_allow.so.1
1279 link path=usr/lib/security/pam_authtok_check.so \
1280 target=../pam_authtok_check.so.1
1281 link path=usr/lib/security/pam_authtok_get.so target=../pam_authtok_get.so.1
1282 link path=usr/lib/security/pam_authtok_store.so \
1283 target=../pam_authtok_store.so.1
1284 link path=usr/lib/security/pam_deny.so target=../pam_deny.so.1
1285 link path=usr/lib/security/pam_dhkeys.so target=../pam_dhkeys.so.1
1286 link path=usr/lib/security/pam_dial_auth.so target=../pam_dial_auth.so.1
1287 link path=usr/lib/security/pam_ldap.so target=../pam_ldap.so.1
1288 link path=usr/lib/security/pam_list.so target=../pam_list.so.1
1289 link path=usr/lib/security/pam_passwd_auth.so target=../pam_passwd_auth.so.1
1290 link path=usr/lib/security/pam_rhosts_auth.so target=../pam_rhosts_auth.so.1
1291 link path=usr/lib/security/pam_roles.so target=../pam_roles.so.1
1292 link path=usr/lib/security/pam_sample.so target=../pam_sample.so.1
1293 link path=usr/lib/security/pam_timestamp.so target=../pam_timestamp.so.1
1294 link path=usr/lib/security/pam_tsol_account.so target=../pam_tsol_account.so.1
1295 link path=usr/lib/security/pam_unix_account.so target=../pam_unix_account.so.1
1296 link path=usr/lib/security/pam_unix_auth.so target=../pam_unix_auth.so.1
1297 link path=usr/lib/security/pam_unix_cred.so target=../pam_unix_cred.so.1
1298 link path=usr/lib/security/pam_unix_session.so target=../pam_unix_session.so.1
1299 link path=usr/lib/security/pkcs11_kernel.so target=../pkcs11_kernel.so.1
1300 link path=usr/lib/security/pkcs11_softtoken.so target=../pkcs11_softtoken.so.1
1301 link path=usr/lib/security/pkcs11_tpm.so target=../pkcs11_tpm.so.1
1302 link path=usr/lib/straddr.so target=../straddr.so.2
1303 link path=usr/xpg4/lib/$(ARCH64)/libcurses.so target=libcurses.so.2
1304 link path=usr/xpg4/lib/64 target=$(ARCH64)
1305 link path=usr/xpg4/lib/libcurses.so target=../libcurses.so.2
1306 #
1307 # libcurses.so needs to dlopen(3C) plugins from usr/lib/scsi/plugins/ses/vendor/,
1308 # a dependency which cannot be automatically derived
1309 #
1310 depend fmri=system/library/storage/scsi-plugins type=require

```


new/usr/src/pkg/manifests/system-test-utiltest.mf

1

9510 Mon Mar 27 17:24:33 2017

new/usr/src/pkg/manifests/system-test-utiltest.mf

Add tests for libuserdefs

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright (c) 2012 by Delphix. All rights reserved.
14 # Copyright 2014, OmniTI Computer Consulting, Inc. All rights reserved.
15 #
16 #
17 set name=pkg.fmri value=pkg:/system/test/utiltest@$(PKGVERS)
18 set name=pkg.description value="Miscellaneous Utility Unit Tests"
19 set name=pkg.summary value="Utility Unit Test Suite"
20 set name=info.classification \
21     value=org.opensolaris.category.2008:Development/System
22 set name=variant.arch value=$(ARCH)
23 dir path=opt/util-tests
24 dir path=opt/util-tests/bin
25 dir path=opt/util-tests/runfiles
26 dir path=opt/util-tests/tests
27 dir path=opt/util-tests/tests/dis
28 dir path=opt/util-tests/tests/dis/i386
29 dir path=opt/util-tests/tests/dis/sparc
30 dir path=opt/util-tests/tests/libnvpair_json
31 dir path=opt/util-tests/tests/libuserdefs
32 file path=opt/util-tests/README mode=0444
33 file path=opt/util-tests/bin/oamu_defs mode=0555
34 file path=opt/util-tests/bin/oamu_uakey mode=0555
35 file path=opt/util-tests/bin/print_json mode=0555
36 file path=opt/util-tests/bin/utiltest mode=0555
37 file path=opt/util-tests/runfiles/default.run mode=0444
38 file path=opt/util-tests/tests/allowed-ips mode=0555
39 file path=opt/util-tests/tests/dis/distest mode=0555
40 file path=opt/util-tests/tests/dis/i386/32.adx.out mode=0555
41 file path=opt/util-tests/tests/dis/i386/32.adx.s mode=0555
42 file path=opt/util-tests/tests/dis/i386/32.aes.out mode=0555
43 file path=opt/util-tests/tests/dis/i386/32.aes.s mode=0555
44 file path=opt/util-tests/tests/dis/i386/32.avx.out mode=0555
45 file path=opt/util-tests/tests/dis/i386/32.avx.s mode=0555
46 file path=opt/util-tests/tests/dis/i386/32.avx2.out mode=0555
47 file path=opt/util-tests/tests/dis/i386/32.avx2.s mode=0555
48 file path=opt/util-tests/tests/dis/i386/32.bmil.out mode=0555
49 file path=opt/util-tests/tests/dis/i386/32.bmil.s mode=0555
50 file path=opt/util-tests/tests/dis/i386/32.bmi2.out mode=0555
51 file path=opt/util-tests/tests/dis/i386/32.bmi2.s mode=0555
52 file path=opt/util-tests/tests/dis/i386/32.fl6c.out mode=0555
53 file path=opt/util-tests/tests/dis/i386/32.fl6c.s mode=0555
54 file path=opt/util-tests/tests/dis/i386/32.fma-pd.out mode=0555
55 file path=opt/util-tests/tests/dis/i386/32.fma-pd.s mode=0555
56 file path=opt/util-tests/tests/dis/i386/32.fma-ps.out mode=0555
57 file path=opt/util-tests/tests/dis/i386/32.fma-ps.s mode=0555
58 file path=opt/util-tests/tests/dis/i386/32.fma-sd.out mode=0555
59 file path=opt/util-tests/tests/dis/i386/32.fma-sd.s mode=0555
60 file path=opt/util-tests/tests/dis/i386/32.fma-ss.out mode=0555
61 file path=opt/util-tests/tests/dis/i386/32.fma-ss.s mode=0555
```

new/usr/src/pkg/manifests/system-test-utiltest.mf

2

```
62 file path=opt/util-tests/tests/dis/i386/32.lzcnt.out mode=0555
63 file path=opt/util-tests/tests/dis/i386/32.lzcnt.s mode=0555
64 file path=opt/util-tests/tests/dis/i386/32.movbe.out mode=0555
65 file path=opt/util-tests/tests/dis/i386/32.movbe.s mode=0555
66 file path=opt/util-tests/tests/dis/i386/32.pclmulqdq.out mode=0555
67 file path=opt/util-tests/tests/dis/i386/32.pclmulqdq.s mode=0555
68 file path=opt/util-tests/tests/dis/i386/32.popcnt.out mode=0555
69 file path=opt/util-tests/tests/dis/i386/32.popcnt.s mode=0555
70 file path=opt/util-tests/tests/dis/i386/32.sha.out mode=0555
71 file path=opt/util-tests/tests/dis/i386/32.sha.s mode=0555
72 file path=opt/util-tests/tests/dis/i386/32.sse-3.out mode=0555
73 file path=opt/util-tests/tests/dis/i386/32.sse-3.s mode=0555
74 file path=opt/util-tests/tests/dis/i386/32.sse-4.1.out mode=0555
75 file path=opt/util-tests/tests/dis/i386/32.sse-4.1.s mode=0555
76 file path=opt/util-tests/tests/dis/i386/32.sse-4.2.out mode=0555
77 file path=opt/util-tests/tests/dis/i386/32.sse-4.2.s mode=0555
78 file path=opt/util-tests/tests/dis/i386/32.ssse3.out mode=0555
79 file path=opt/util-tests/tests/dis/i386/32.ssse3.s mode=0555
80 file path=opt/util-tests/tests/dis/i386/32.xsave.out mode=0555
81 file path=opt/util-tests/tests/dis/i386/32.xsave.s mode=0555
82 file path=opt/util-tests/tests/dis/i386/64.adx.out mode=0555
83 file path=opt/util-tests/tests/dis/i386/64.adx.s mode=0555
84 file path=opt/util-tests/tests/dis/i386/64.aes.out mode=0555
85 file path=opt/util-tests/tests/dis/i386/64.aes.s mode=0555
86 file path=opt/util-tests/tests/dis/i386/64.avx.out mode=0555
87 file path=opt/util-tests/tests/dis/i386/64.avx.s mode=0555
88 file path=opt/util-tests/tests/dis/i386/64.avx2.out mode=0555
89 file path=opt/util-tests/tests/dis/i386/64.avx2.s mode=0555
90 file path=opt/util-tests/tests/dis/i386/64.bmil.out mode=0555
91 file path=opt/util-tests/tests/dis/i386/64.bmil.s mode=0555
92 file path=opt/util-tests/tests/dis/i386/64.bmi2.out mode=0555
93 file path=opt/util-tests/tests/dis/i386/64.bmi2.s mode=0555
94 file path=opt/util-tests/tests/dis/i386/64.ept.out mode=0555
95 file path=opt/util-tests/tests/dis/i386/64.ept.s mode=0555
96 file path=opt/util-tests/tests/dis/i386/64.fl6c.out mode=0555
97 file path=opt/util-tests/tests/dis/i386/64.fl6c.s mode=0555
98 file path=opt/util-tests/tests/dis/i386/64.fma-pd.out mode=0555
99 file path=opt/util-tests/tests/dis/i386/64.fma-pd.s mode=0555
100 file path=opt/util-tests/tests/dis/i386/64.fma-ps.out mode=0555
101 file path=opt/util-tests/tests/dis/i386/64.fma-ps.s mode=0555
102 file path=opt/util-tests/tests/dis/i386/64.fma-sd.out mode=0555
103 file path=opt/util-tests/tests/dis/i386/64.fma-sd.s mode=0555
104 file path=opt/util-tests/tests/dis/i386/64.fma-ss.out mode=0555
105 file path=opt/util-tests/tests/dis/i386/64.fma-ss.s mode=0555
106 file path=opt/util-tests/tests/dis/i386/64.lzcnt.out mode=0555
107 file path=opt/util-tests/tests/dis/i386/64.lzcnt.s mode=0555
108 file path=opt/util-tests/tests/dis/i386/64.movbe.out mode=0555
109 file path=opt/util-tests/tests/dis/i386/64.movbe.s mode=0555
110 file path=opt/util-tests/tests/dis/i386/64.pclmulqdq.out mode=0555
111 file path=opt/util-tests/tests/dis/i386/64.pclmulqdq.s mode=0555
112 file path=opt/util-tests/tests/dis/i386/64.popcnt.out mode=0555
113 file path=opt/util-tests/tests/dis/i386/64.popcnt.s mode=0555
114 file path=opt/util-tests/tests/dis/i386/64.random.out mode=0555
115 file path=opt/util-tests/tests/dis/i386/64.random.s mode=0555
116 file path=opt/util-tests/tests/dis/i386/64.sha.out mode=0555
117 file path=opt/util-tests/tests/dis/i386/64.sha.s mode=0555
118 file path=opt/util-tests/tests/dis/i386/64.sse-3.out mode=0555
119 file path=opt/util-tests/tests/dis/i386/64.sse-3.s mode=0555
120 file path=opt/util-tests/tests/dis/i386/64.sse-4.1.out mode=0555
121 file path=opt/util-tests/tests/dis/i386/64.sse-4.1.s mode=0555
122 file path=opt/util-tests/tests/dis/i386/64.sse-4.2.out mode=0555
123 file path=opt/util-tests/tests/dis/i386/64.sse-4.2.s mode=0555
124 file path=opt/util-tests/tests/dis/i386/64.ssse3.out mode=0555
125 file path=opt/util-tests/tests/dis/i386/64.ssse3.s mode=0555
126 file path=opt/util-tests/tests/dis/i386/64.vmx.out mode=0555
127 file path=opt/util-tests/tests/dis/i386/64.vmx.s mode=0555
```

```
128 file path=opt/util-tests/tests/dis/i386/64.xsave.out mode=0555
129 file path=opt/util-tests/tests/dis/i386/64.xsave.s mode=0555
130 file path=opt/util-tests/tests/dis/i386/tst.cpubid.out mode=0555
131 file path=opt/util-tests/tests/dis/i386/tst.cpubid.s mode=0555
132 file path=opt/util-tests/tests/dis/i386/tst.fence.out mode=0555
133 file path=opt/util-tests/tests/dis/i386/tst.fence.s mode=0555
134 file path=opt/util-tests/tests/dis/i386/tst.msr.out mode=0555
135 file path=opt/util-tests/tests/dis/i386/tst.msr.s mode=0555
136 file path=opt/util-tests/tests/dis/i386/tst.mwait.out mode=0555
137 file path=opt/util-tests/tests/dis/i386/tst.mwait.s mode=0555
138 file path=opt/util-tests/tests/dis/i386/tst.random.out mode=0555
139 file path=opt/util-tests/tests/dis/i386/tst.random.s mode=0555
140 file path=opt/util-tests/tests/dis/i386/tst.sep.out mode=0555
141 file path=opt/util-tests/tests/dis/i386/tst.sep.s mode=0555
142 file path=opt/util-tests/tests/dis/i386/tst.smap.out mode=0555
143 file path=opt/util-tests/tests/dis/i386/tst.smap.s mode=0555
144 file path=opt/util-tests/tests/dis/i386/tst.tsc.out mode=0555
145 file path=opt/util-tests/tests/dis/i386/tst.tsc.s mode=0555
146 file path=opt/util-tests/tests/dis/i386/tst.vmx.out mode=0555
147 file path=opt/util-tests/tests/dis/i386/tst.vmx.s mode=0555
148 file path=opt/util-tests/tests/dis/sparc/tst.regs.out mode=0555
149 file path=opt/util-tests/tests/dis/sparc/tst.regs.s mode=0555
150 file path=opt/util-tests/tests/iconv_test mode=0555
151 file path=opt/util-tests/tests/libnvpair_json/json_00_blank mode=0555
152 file path=opt/util-tests/tests/libnvpair_json/json_01_boolean mode=0555
153 file path=opt/util-tests/tests/libnvpair_json/json_02_numbers mode=0555
154 file path=opt/util-tests/tests/libnvpair_json/json_03_empty_arrays mode=0555
155 file path=opt/util-tests/tests/libnvpair_json/json_04_number_arrays mode=0555
156 file path=opt/util-tests/tests/libnvpair_json/json_05_strings mode=0555
157 file path=opt/util-tests/tests/libnvpair_json/json_06_nested mode=0555
158 file path=opt/util-tests/tests/libnvpair_json/json_07_nested_arrays mode=0555
159 file path=opt/util-tests/tests/libnvpair_json/json_common mode=0555
160 file path=opt/util-tests/tests/libuserdefs/oamu_01 mode=0555
161 file path=opt/util-tests/tests/libuserdefs/oamu_02 mode=0555
162 file path=opt/util-tests/tests/libuserdefs/oamu_03 mode=0555
163 file path=opt/util-tests/tests/printf_test mode=0555
164 file path=opt/util-tests/tests/xargs_test mode=0555
165 license lic_CDDL license=lic_CDDL
166 depend fmri=system/library/iconv/utf-8 type=require
167 depend fmri=system/test/testrunner type=require
```

new/usr/src/test/util-tests/tests/Makefile

1

616 Mon Mar 27 17:24:33 2017

new/usr/src/test/util-tests/tests/Makefile

Add tests for libuserdefs

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
```

```
12 #
13 # Copyright (c) 2012 by Delphix. All rights reserved.
14 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
15 #
```

```
17 SUBDIRS = dis dladm iconv libnvpair_json libuserdefs printf xargs
```

```
17 SUBDIRS = dis dladm iconv libnvpair_json printf xargs
```

```
19 include $(SRC)/test/Makefile.com
```

new/usr/src/test/util-tests/tests/libuserdefs/Makefile

1

1090 Mon Mar 27 17:24:33 2017

new/usr/src/test/util-tests/tests/libuserdefs/Makefile

Add tests for libuserdefs

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright (c) 2014 Joyent, Inc.
14 # Copyright 2017 Gordon W. Ross
15 #
16 #
17 # OAM User Test program
18 PROG=          oamu_defs oamu_uakey
19 TESTS=         oamu_01 oamu_02 oamu_03
20 #
21 include $(SRC)/cmd/Makefile.cmd
22 #
23 ROOTOPTPKG = $(ROOT)/opt/util-tests
24 ROOTCMDDIR = $(ROOTOPTPKG)/bin
25 TESTDIR    = $(ROOTOPTPKG)/tests/libuserdefs
26 ROOTTESTS = $(TESTS:%=$(TESTDIR)/%)
27 #
28 LDLIBS += -luserdefs
29 #
30 all: $(PROG)
31 #
32 install: $(ROOTCMD) $(ROOTTESTS)
33 $(ROOTTESTS) : $(TESTDIR)
34 $(ROOTCMD) : $(PROG)
35 #
36 clean:
37 #
38 # lint_PROG doesn't handle multiple programs...
39 lint:
40     for p in $(PROG); do \
41         $(LINT.c) $$p.c $(LDLIBS) ;\
42     done
43 #
44 $(TESTDIR)/%: %.ksh
45     $(INS.rename)
46 #
47 $(TESTDIR):
48     $(INS.dir)
49 #
50 .KEEP_STATE:
51 #
52 include $(SRC)/cmd/Makefile.targ
```

```
new/usr/src/test/util-tests/tests/libuserdefs/oamu_01.ksh
```

1

```
*****  
1728 Mon Mar 27 17:24:33 2017
```

```
new/usr/src/test/util-tests/tests/libuserdefs/oamu_01.ksh
```

```
Add tests for libuserdefs
```

```
*****
```

```
1 #!/bin/ksh  
2 #  
3 # This file and its contents are supplied under the terms of the  
4 # Common Development and Distribution License ("CDDL"), version 1.0.  
5 # You may only use this file in accordance with the terms of version  
6 # 1.0 of the CDDL.  
7 #  
8 # A full copy of the text of the CDDL should have accompanied this  
9 # source. A copy of the CDDL is also available via the Internet at  
10 # http://www.illumos.org/license/CDDL.  
11 #  
  
13 #  
14 # Copyright 2017 Gordon W. Ross  
15 #  
  
17 errs=  
18 DEFS=$ROOT/opt/util-tests/bin/oamu_defs  
19 if [ -n "$ROOT" ]; then  
20     export LD_LIBRARY_PATH=$ROOT/usr/lib  
21 fi  
  
23 #  
24 # Make test data files  
25 #  
  
27 # user.def (same as compiled-in defaults)  
28 echo '  
29 defrid=99  
30 defgroup=1  
31 defgname=other  
32 defparent=/home  
33 defskel=/etc/skel  
34 defshell=/bin/sh  
35 definact=0  
36 defexpire=  
37 defauthorization=  
38 defprofile=  
39 defrole=  
40 defproj=3  
41 defprojname=default  
42 deflimitpriv=  
43 defdefaultpriv=  
44 deflock_after_retries=' > user.def  
  
46 # user.tst (different from defaults)  
47 echo '  
48 defrid=1001  
49 defgroup=20  
50 defgname=test20group  
51 defparent=/tank/home  
52 defskel=/etc/skel.testuser  
53 defshell=/bin/pfsh.testuser  
54 definact=0  
55 defexpire=  
56 defauthorization=  
57 defprofile=TestUser  
58 defrole=TestRole  
59 defproj=4  
60 defprojname=TestProj  
61 deflimitpriv=TestLimPriv
```

```
new/usr/src/test/util-tests/tests/libuserdefs/oamu_01.ksh
```

2

```
62 defdefaultpriv=TestDefPriv  
63 deflock_after_retries=' > user.tst  
  
65 #  
66 # Run some tests  
67 #  
  
69 # Override compiled-in user defaults  
70 $DEFS user.def |tail +2 > user1.out  
71 if cmp -s user.def user1.out ; then  
72     echo "PASS: user1.out"  
73 else  
74     echo "FAIL: user1.out is wrong"  
75     errs="$errs user1.out"  
76 fi  
  
78 # Override user.def values  
79 $DEFS user.def user.tst |tail +2 > user2.out  
80 if cmp -s user.tst user2.out ; then  
81     echo "PASS: user2.out"  
82 else  
83     echo "FAIL: user2.out is wrong"  
84     errs="$errs user2.out"  
85 fi  
  
87 rm -f user.def user.tst user1.out user2.out
```

new/usr/src/test/util-tests/tests/libuserdefs/oamu_02.ksh

1

```
*****
1694 Mon Mar 27 17:24:34 2017
new/usr/src/test/util-tests/tests/libuserdefs/oamu_02.ksh
Add tests for libuserdefs
*****
```

```
1 #!/bin/ksh
2 #
3 # This file and its contents are supplied under the terms of the
4 # Common Development and Distribution License ("CDDL"), version 1.0.
5 # You may only use this file in accordance with the terms of version
6 # 1.0 of the CDDL.
7 #
8 # A full copy of the text of the CDDL should have accompanied this
9 # source. A copy of the CDDL is also available via the Internet at
10 # http://www.illumos.org/license/CDDL.
11 #
12 #
13 #
14 # Copyright 2017 Gordon W. Ross
15 #
16 #
17 errs=
18 DEFS=$ROOT/opt/util-tests/bin/oamu_defs
19 if [ -n "$ROOT" ]; then
20     export LD_LIBRARY_PATH=$ROOT/usr/lib
21 fi
22 #
23 #
24 # Make test data files
25 #
26 #
27 # role.def (same as compiled-in defaults)
28 echo '
29 defrid=99
30 defgroup=1
31 defgname=other
32 defparent=/home
33 defskel=/etc/skel
34 defshell=/bin/pfsh
35 definact=0
36 defexpire=
37 defauthorization=
38 defprofile=All
39 defproj=3
40 defprojname=default
41 deflimitpriv=
42 defdefaultpriv=
43 deflock_after_retries=' > role.def
44 #
45 # role.tst (different from defaults)
46 echo '
47 defrid=101
48 defgroup=10
49 defgname=testrole
50 defparent=/home/testrole
51 defskel=/etc/skel.testrole
52 defshell=/bin/pfsh.testrole
53 definact=0
54 defexpire=
55 defauthorization=
56 defprofile=All,TestRole
57 defproj=4
58 defprojname=default
59 deflimitpriv=
60 defdefaultpriv=
61 deflock_after_retries=' > role.tst
```

new/usr/src/test/util-tests/tests/libuserdefs/oamu_02.ksh

2

```
63 #
64 # Run some tests
65 #
66 #
67 # Override compiled-in role defaults
68 $DEFS -r role.def |tail +2 > role1.out
69 if cmp -s role.def role1.out ; then
70     echo "PASS: role1.out"
71 else
72     echo "FAIL: role1.out is wrong"
73     errs="$errs role1.out"
74 fi
75 #
76 # Override role.def values
77 $DEFS -r role.def role.tst |tail +2 > role2.out
78 if cmp -s role.tst role2.out ; then
79     echo "PASS: role2.out"
80 else
81     echo "FAIL: role2.out is wrong"
82     errs="$errs role2.out"
83 fi
84 #
85 rm -f role.def role.tst role1.out role2.out
```

```
new/usr/src/test/util-tests/tests/libuserdefs/oamu_03.ksh
```

1

```
*****
1737 Mon Mar 27 17:24:34 2017
new/usr/src/test/util-tests/tests/libuserdefs/oamu_03.ksh
Add tests for libuserdefs
*****
```

```
1 #!/bin/ksh
2 #
3 # This file and its contents are supplied under the terms of the
4 # Common Development and Distribution License ("CDDL"), version 1.0.
5 # You may only use this file in accordance with the terms of version
6 # 1.0 of the CDDL.
7 #
8 # A full copy of the text of the CDDL should have accompanied this
9 # source. A copy of the CDDL is also available via the Internet at
10 # http://www.illumos.org/license/CDDL.
11 #
```

```
13 #
14 # Copyright 2017 Gordon W. Ross
15 #
```

```
17 errs=
18 UAKEY=$ROOT/opt/util-tests/bin/oamu_uakey
19 if [ -n "$ROOT" ]; then
20     export LD_LIBRARY_PATH=$ROOT/usr/lib
21 fi
```

```
23 #
24 # Make test data files
25 #
26 # uakey.tst (what we should get)
27 echo '
28 defrid=123
29 defgroup=456
30 defgname=TestGroup
31 defparent=TestDefParent
32 defskel=TestDefSkel
33 defshell=TestDefShell
34 definact=3
35 defexpire=TestDefExpire
36 defauthorization=TestAuths
37 defprofile=TestProfiles
38 defrole=TestRoles
39 defproj=7
40 defprojname=TestProject
41 deflimitpriv=TestLimPriv
42 defdefaultpriv=TestDefPriv
43 deflock_after_retries=TestLAR' > user.tst
```

```
46 #
47 # Run some tests
48 #
49 # Override all the values we can with non-defaults.
50 #define USERATTR_TYPE_KW          "type"
51 #define USERATTR_AUTHS_KW         "auths"
52 #define USERATTR_PROFILES_KW      "profiles"
53 #define USERATTR_ROLES_KW         "roles"
54 #define USERATTR_DEFAULTPROJ_KW   "project"
55 #define USERATTR_LIMPRIV_KW       "limitpriv"
56 #define USERATTR_DFLTPRIV_KW      "defaultpriv"
57 #define USERATTR_LOCK_AFTER_RETRIES_KW "lock_after_retries"
58 #
```

```
60 $UAKEY -K auths=TestAuths \
61        -K profiles=TestProfiles \
```

```
new/usr/src/test/util-tests/tests/libuserdefs/oamu_03.ksh
```

2

```
62         -K roles=TestRoles \
63         -K limitpriv=TestLimPriv \
64         -K defaultpriv=TestDefPriv \
65         -K lock_after_retries=TestLAR |
66     tail +2 > user1.out
```

```
68 if cmp -s user.tst user1.out ; then
69     echo "PASS: user1.out"
70 else
71     echo "FAIL: user1.out is wrong"
72     errs="$errs user1.out"
73 fi
```

```
75 rm -f user.tst user1.out
```

new/usr/src/test/util-tests/tests/libuserdefs/oamu_defs.c

1

1685 Mon Mar 27 17:24:34 2017

new/usr/src/test/util-tests/tests/libuserdefs/oamu_defs.c

Add tests for libuserdefs

```
1 /*
2  * This file and its contents are supplied under the terms of the
3  * Common Development and Distribution License ("CDDL"), version 1.0.
4  * You may only use this file in accordance with the terms of version
5  * 1.0 of the CDDL.
6  *
7  * A full copy of the text of the CDDL should have accompanied this
8  * source. A copy of the CDDL is also available via the Internet at
9  * http://www.illumos.org/license/CDDL.
10 */
```

```
12 /*
13  * Copyright 2017 Gordon W. Ross
14 */
```

```
16 /*
17  * OAM User Test program: read/write defaults
18 */
```

```
20 #include <sys/types.h>
21 #include <stdio.h>
22 #include <string.h>
23 #include <stdlib.h>
24 #include <stddef.h>
25 #include <getopt.h>
26 #include <userdefs.h>
```

```
28 extern const char *__progname;
29 boolean_t rflag = B_FALSE;
30 int vflag = 0;
```

```
32 int
33 main(int argc, char **argv)
34 {
35     struct userdefs *ud;
36     int c, i, errs = 0;
37
38     while ((c = getopt(argc, argv, "rv")) != EOF) {
39         switch (c) {
40             case 'r': /* role */
41                 rflag = B_TRUE;
42                 break;
43             case 'v': /* verbose */
44                 vflag++;
45                 break;
46             case '?':
47                 (void) fprintf(stderr,
48                     "usage: %s [-rv] [file [file...]]\n",
49                     __progname);
50                 break;
51         }
52     }
```

```
54     if (rflag) {
55         ud = _get_roledefs();
56     } else {
57         ud = _get_userdefs();
58     }
```

```
60     if (vflag) {
61         (void) printf("# Defaults:\n");
```

new/usr/src/test/util-tests/tests/libuserdefs/oamu_defs.c

2

```
62         if (rflag) {
63             (void) fwrite_roledefs(stdout, ud);
64         } else {
65             (void) fwrite_userdefs(stdout, ud);
66         }
67         (void) printf("\n");
68     }
```

```
70     for (i = optind; i < argc; i++) {
71         FILE *fp;
```

```
73         fp = fopen(argv[i], "r");
74         if (fp == NULL) {
75             perror(argv[i]);
76             errs++;
77         } else {
78             fread_defs(fp, ud, rflag);
79             (void) fclose(fp);
80         }
81     }
```

```
83     if (rflag) {
84         (void) fwrite_roledefs(stdout, ud);
85     } else {
86         (void) fwrite_userdefs(stdout, ud);
87     }
```

```
89     return ((errs == 0) ? 0 : 1);
90 }
```


new/usr/src/test/util-tests/tests/libuserdefs/oamu_uakey.c

1

```
*****
4307 Mon Mar 27 17:24:34 2017
new/usr/src/test/util-tests/tests/libuserdefs/oamu_uakey.c
Add tests for libuserdefs
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21 /*
22 * Copyright (c) 1999, 2010, Oracle and/or its affiliates. All rights reserved.
23 * Copyright (c) 2013 RackTop Systems.
24 * Copyright 2017 Gordon W. Ross
25 */
26
27 /*
28  * OAM User Test program: get/set by UA key
29  * See: $SRC/cmd/oamuser/user/useradd.c
30  * and: $SRC/cmd/oamuser/user/funcs.c
31  * (some code copied from funcs.c)
32 */
33
34 #include <sys/types.h>
35 #include <stdio.h>
36 #include <string.h>
37 #include <stdlib.h>
38 #include <stddef.h>
39 #include <getopt.h>
40 #include <userdefs.h>
41 #include <user_attr.h>
42
43 void import_def(struct userdefs *ud);
44 void update_def(struct userdefs *ud);
45 void change_key(const char *, char *);
46
47 extern const char *__progname;
48 int vflag = 0;
49
50 int
51 main(int argc, char **argv)
52 {
53     struct userdefs *ud = NULL;
54     int c;
55
56     ud = _get_userdefs();
57
58     while ((c = getopt(argc, argv, "vK:")) != EOF) {
59         switch (c) {
60             case 'K': /* Keyword=value */
61                 change_key(NULL, optarg);
```

new/usr/src/test/util-tests/tests/libuserdefs/oamu_uakey.c

2

```
62         break;
63     case 'v': /* verbose */
64         vflag++;
65         break;
66     case '?':
67         (void) fprintf(stderr,
68             "usage: %s [-v] [-K key=value] [-K ... ]\n",
69             __progname);
70         break;
71     }
72 }
73
74 /*
75  * Override ud values we can't set by uakey, so they
76  * don't depend on the test machine defaults file.
77  */
78 ud->defrid = 123;
79 ud->defgroup = 456;
80 ud->defgname = "TestGroup";
81 ud->defparent = "TestDefParent";
82 ud->defskel = "TestDefSkel";
83 ud->defshell = "TestDefShell";
84 ud->definact = 3;
85 ud->defexpire = "TestDefExpire";
86
87 ud->defproj = 7;
88 ud->defprojname = "TestProject";
89
90 import_def(ud);
91
92 if (vflag) {
93     (void) printf("# Defaults:\n");
94     (void) fwrite_userdefs(stdout, ud);
95     (void) printf("\n");
96 }
97
98 update_def(ud);
99
100 (void) fwrite_userdefs(stdout, ud);
101
102 return (0);
103 }
104
105 /*
106  * Some code copied from $SRC/cmd/oamuser/user/funcs.c
107  * so we can simulate part of what that does without
108  * dragging in all the parameter validation stuff.
109  */
110
111 typedef struct ua_key {
112     const char *key;
113     char *newvalue;
114 } ua_key_t;
115
116 static ua_key_t keys[] = {
117     /* Only the keywords that appear in libuserdefs */
118     { USERATTR_AUTHS_KW },
119     { USERATTR_PROFILES_KW },
120     { USERATTR_ROLES_KW },
121     { USERATTR_LIMPRIV_KW },
122     { USERATTR_DFLT_PRIV_KW },
123     { USERATTR_LOCK_AFTER_RETRIES_KW },
124 };
125
126 #define NKEYS (sizeof (keys)/sizeof (ua_key_t))
```

```

128 /* Import default keys for ordinary useradd */
129 void
130 import_def(struct userdefs *ud)
131 {
132     int i;
133
134     /* Don't import the user type (skip i = 0) */
135     for (i = 1; i < NKEYS; i++) {
136         if (keys[i].newvalue == NULL)
137             keys[i].newvalue =
138                 userdef_get_by_uakey(ud, keys[i].key);
139     }
140 }
141
142 /* Export command line keys to defaults for useradd -D */
143 void
144 update_def(struct userdefs *ud)
145 {
146     int i;
147
148     for (i = 0; i < NKEYS; i++) {
149         if (keys[i].newvalue != NULL)
150             userdef_set_by_uakey(ud, keys[i].key,
151                 keys[i].newvalue);
152     }
153 }
154
155 /*
156 * Change a key, there are three different call sequences:
157 *
158 *     key, value      - key with option letter, value.
159 *     NULL, value    - -K key=value option.
160 */
161
162 void
163 change_key(const char *key, char *value)
164 {
165     int i;
166
167     if (key == NULL) {
168         key = value;
169         value = strchr(value, '=');
170         /* Bad value */
171         if (value == NULL) {
172             (void) fprintf(stderr, "Invalid value (missing)\n");
173             exit(EX_BADARG);
174         }
175         *value++ = '\0';
176     }
177
178     for (i = 0; i < NKEYS; i++) {
179         if (strcmp(key, keys[i].key) == 0) {
180             if (keys[i].newvalue != NULL) {
181                 /* Can't set a value twice */
182                 (void) fprintf(stderr,
183                     "Invalid value (duplicate)\n");
184                 exit(EX_BADARG);
185             }
186
187             keys[i].newvalue = value;
188             return;
189         }
190     }
191     (void) fprintf(stderr, "Invalid key: %s\n", key);
192     exit(EX_BADARG);
193 }

```