

new/usr/src/Targetdirs

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*****
65575 Mon Oct 29 22:52:05 2007
new/usr/src/Targetdirs
*** NO COMMENTS ***
*****
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 2007 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #
25 # ident "%Z%M% %I% %E% SMI"
26 #
27 # The list is built of owner-group combinations. ROOT.SYS occurs twice
28 # because some directories owned by root and in group sys are subdirectories
29 # of directories having other owner-group attributes.
30 #
31 # It is easier to think in terms of directory names without the ROOT macro
32 # prefix. ROOTDIRS is TARGETDIRS with ROOT prefixes. It is necessary
33 # to work with ROOT prefixes when controlling conditional assignments.
34 #
35 # The macro SYM.ROOT.SYS means symlinks with owner root and group sys.

37 SYMLINKS= $(SYM.ROOT.SYS) $(SYM.ROOT.BIN) $(SYM.OTHERS)

39 TARGETDIRS= $(ROOT.SYS) $(ROOT.BIN) $(ROOT.SYS2) \
40 $(UUCP.UUCP) $(OTHERS) $(SYM.USRCCSLIB) $(SYM.USRLIB) \
41 $(ROOT.SFW)

43 $(BUILD64) TARGETDIRS += $(ROOT.SYS64.2) $(ROOT.BIN64) \
44 $(SYM.USRCCSLIB64) $(SYM.USRLIB64) $(ROOT.SFW64)

46 $(BUILD64) SYMLINKS += $(SYM.ROOT.BIN64) $(SYM.ROOT.SFW64)

48 TARGETDIRS += $(SYMLINKS)

50 i386_ROOT.SYS= \
51 /boot \
52 /boot/acpi \
53 /boot/acpi/tables \
54 /boot/grub \
55 /boot/grub/bin \
56 /boot/solaris \
57 /boot/solaris/bin \
58 /platform/i86pc

60 sparc_ROOT.SYS=

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62 ROOT.SYS= \
63 $(MACH)_ROOT.SYS) \
64 /dev \
65 /dev/dsk \
66 /dev/fd \
67 /dev/rdisk \
68 /dev/rmt \
69 /dev/pts \
70 /dev/sad \
71 /dev/swap \
72 /dev/zcons \
73 /devices \
74 /devices/pseudo \
75 /etc \
76 /etc/certs \
77 /etc/cron.d \
78 /etc/crypto \
79 /etc/crypto/certs \
80 /etc/crypto/crls \
81 /etc/default \
82 /etc/devices \
83 /etc/dev \
84 /etc/dfs \
85 /etc/fs \
86 /etc/fs/nfs \
87 /etc/fs/zfs \
88 /etc/ftpd \
89 /etc/hal \
90 /etc/hal/fdi \
91 /etc/hal/fdi/information \
92 /etc/hal/fdi/information/10freedesktop \
93 /etc/hal/fdi/information/20thirdparty \
94 /etc/hal/fdi/information/30user \
95 /etc/hal/fdi/policy \
96 /etc/hal/fdi/policy/10osvendor \
97 /etc/hal/fdi/policy/20thirdparty \
98 /etc/hal/fdi/policy/30user \
99 /etc/hal/fdi/preprobe \
100 /etc/hal/fdi/preprobe/10osvendor \
101 /etc/hal/fdi/preprobe/20thirdparty \
102 /etc/hal/fdi/preprobe/30user \
103 /etc/iscsi \
104 /etc/rpcsec \
105 /etc/security \
106 /etc/security/tsol \
107 /etc/gss \
108 /etc/init.d \
109 /etc/dhcp \
110 /etc/lib \
111 /etc/opt \
112 /etc/rc0.d \
113 /etc/rc1.d \
114 /etc/rc2.d \
115 /etc/rc3.d \
116 /etc/rcS.d \
117 /etc/sasl \
118 /etc/sfw \
119 /etc/svc \
120 /etc/svc/volatile \
121 /etc/tm \
122 /etc/usb \
123 /etc/zfs \
124 /etc/zones \
125 /export \
126 /home \
127 /kernel \

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128 /mnt \
129 /opt \
130 /platform \
131 /proc \
132 /sbin \
133 /system \
134 /system/contract \
135 /system/object \
136 /usr \
137 /usr/kernel \
138 /usr/platform \
139 /usr/share \
140 /var \
141 /var/adm \
142 /var/adm/pool \
143 /var/adm/sm.bin \
144 /var/adm/streams \
145 /var/cron \
146 /var/db \
147 /var/db/ipf \
148 /var/krb5 \
149 /var/krb5/rcache \
150 /var/krb5/rcache/root \
151 /var/log \
152 /var/log/pool \
153 /var/sadm \
154 /var/opt \
155 /var/run \
156 /var/svc \
157 /var/svc/log \
158 /var/svc/manifest \
159 /var/svc/manifest/milestone \
160 /var/svc/manifest/device \
161 /var/svc/manifest/system \
162 /var/svc/manifest/system/device \
163 /var/svc/manifest/system/filesystem \
164 /var/svc/manifest/system/security \
165 /var/svc/manifest/system/svc \
166 /var/svc/manifest/network \
167 /var/svc/manifest/network/dns \
168 /var/svc/manifest/network/ipsec \
169 /var/svc/manifest/network/ldap \
170 /var/svc/manifest/network/nfs \
171 /var/svc/manifest/network/nis \
172 /var/svc/manifest/network/rpc \
173 /var/svc/manifest/network/security \
174 /var/svc/manifest/network/shares \
175 /var/svc/manifest/network/ssl \
176 /var/svc/manifest/application \
177 /var/svc/manifest/application/management \
178 /var/svc/manifest/application/security \
179 /var/svc/manifest/application/print \
180 /var/svc/manifest/platform \
181 /var/svc/manifest/platform/sun4u \
182 /var/svc/manifest/platform/sun4v \
183 /var/svc/manifest/site \
184 /var/svc/profile \
185 /var/tsol \
186 /var/tsol/doors

188 # EXPORT DELETE START
189 XROOT.BIN= \
190 /etc/sfw/openssl \
191 /etc/sfw/openssl/certs \
192 /etc/sfw/openssl/private \
193 /usr/lib/inet/wanboot

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194 # EXPORT DELETE END

196 i386_ROOT.BIN= \
197 /usr/lib/brand/lx \
198 /usr/lib/brand/lx/amd64 \
199 /usr/lib/brand/lx/distros

201 sparc_ROOT.BIN= \
202 /usr/lib/ldoms

204 ROOT.BIN= \
205 $(($MACH)_ROOT.BIN) \
206 /etc/dbus-1 \
207 /etc/dbus-1/system.d \
208 /etc/saf \
209 /etc/sma \
210 /etc/sma/snmp \
211 /lib \
212 /lib/inet \
213 /lib/secure \
214 /lib/svc \
215 /lib/svc/bin \
216 /lib/svc/capture \
217 /lib/svc/method \
218 /lib/svc/monitor \
219 /lib/svc/seed \
220 /lib/svc/share \
221 /usr/4lib \
222 /usr/ast \
223 /usr/ast/bin \
224 /usr/bin \
225 /usr/bin/$(MACH32) \
226 /usr/ccs \
227 /usr/ccs/bin \
228 /usr/ccs/lib \
229 /usr/demo \
230 /usr/demo/SOUND \
231 /usr/games \
232 /usr/include \
233 /usr/kvm \
234 /usr/include/ast \
235 /usr/include/sys/crypto \
236 /usr/include/fm \
237 /usr/include/gssapi \
238 /usr/include/hal \
239 /usr/include/kerberosv5 \
240 /usr/include/libmilter \
241 /usr/include/libpolkit \
242 /usr/include/sasl \
243 /usr/include/tsol \
244 /usr/include/security \
245 /usr/lib \
246 /usr/lib/abi \
247 /usr/lib/brand \
248 /usr/lib/brand/native \
249 /usr/lib/brand/sn1 \
250 /usr/lib/class \
251 /usr/lib/class/FSS \
252 /usr/lib/class/FX \
253 /usr/lib/class/IA \
254 /usr/lib/class/RT \
255 /usr/lib/class/TS \
256 /usr/lib/crypto \
257 /usr/lib/drv \
258 /usr/lib/elfedit \
259 /usr/lib/font \

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260 /usr/lib/fp \
261 /usr/lib/fp/libp \
262 /usr/lib/inet \
263 /usr/lib/inet/dhcp \
264 /usr/lib/inet/dhcp/nsu \
265 /usr/lib/inet/dhcp/svc \
266 /usr/lib/inet/dhcp/svcadm \
267 $(XROOT.BIN) \
268 /usr/lib/fm \
269 /usr/lib/gss \
270 /usr/lib/hal \
271 /usr/lib/krb5 \
272 /usr/lib/link_audit \
273 /usr/lib/libp \
274 /usr/lib/localedef \
275 /usr/lib/localedef/extensions \
276 /usr/lib/localedef/src \
277 /usr/lib/lwp \
278 /usr/lib/pool \
279 /usr/lib/rcap \
280 /usr/lib/rcap/${MACH32} \
281 /usr/lib/saf \
282 /usr/lib/sasl \
283 /usr/lib/secure \
284 /usr/lib/security \
285 /usr/lib/term \
286 /usr/lib/zones \
287 /usr/old \
288 /usr/openwin \
289 /usr/proc \
290 /usr/proc/bin \
291 /usr/sadm \
292 /usr/sadm/install \
293 /usr/sadm/install/scripts \
294 /usr/sadm/sysadm \
295 /usr/sadm/sysadm/add-ons \
296 /usr/snadm \
297 /usr/snadm/lib \
298 /usr/sbin \
299 /usr/sbin/${MACH32} \
300 /usr/share/audio \
301 /usr/share/audio/samples \
302 /usr/share/audio/samples/au \
303 /usr/share/man \
304 /usr/share/man/man1m \
305 /usr/ucb \
306 /usr/ucb/${MACH32} \
307 /usr/ucblib \
308 /usr/xpg4 \
309 /usr/xpg4/bin \
310 /usr/xpg4/include \
311 /usr/xpg4/lib \
312 /usr/xpg6 \
313 /usr/xpg6/bin \
314 /var/ld \
315 /var/news \
316 /var/preserve \
317 /var/saf \
318 /var/spool

320 sparcv9_ROOT.BIN64= \
321 /platform/sun4u/lib \
322 /platform/sun4u/lib/${MACH64} \
323 /usr/platform/sun4u/sbin \
324 /usr/platform/sun4u/lib \
325 /platform/sun4v/lib \

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326 /platform/sun4v/lib/${MACH64} \
327 /usr/platform/sun4v/sbin \
328 /usr/platform/sun4v/lib \
329 /usr/platform/sun4u-us3/lib \
330 /usr/platform/sun4u-opl/lib

332 amd64_ROOT.BIN64= \
333 /platform/i86pc/amd64

335 ROOT.BIN64= \
336 ${$(MACH64)_ROOT.BIN64} \
337 /lib/${MACH64} \
338 /lib/secure/${MACH64} \
339 /usr/bin/${MACH64} \
340 /usr/ccs/bin/${MACH64} \
341 /usr/ccs/lib/${MACH64} \
342 /usr/lib/${MACH64} \
343 /usr/lib/${MACH64}/gss \
344 /usr/lib/elfedit/${MACH64} \
345 /usr/lib/fm/${MACH64} \
346 /usr/lib/fp/libp/${MACH64} \
347 /usr/lib/krb5/${MACH64} \
348 /usr/lib/libp/${MACH64} \
349 /usr/lib/link_audit/${MACH64} \
350 /usr/lib/lwp/${MACH64} \
351 /usr/lib/rcap/${MACH64} \
352 /usr/lib/sasl/${MACH64} \
353 /usr/lib/secure/${MACH64} \
354 /usr/lib/security/${MACH64} \
355 /usr/lib/abi/${MACH64} \
356 /usr/sbin/${MACH64} \
357 /usr/ucb/${MACH64} \
358 /usr/ucblib/${MACH64} \
359 /usr/xpg4/lib/${MACH64} \
360 /var/ld/${MACH64}

362 ROOT.SYS2= \
363 /usr/lib/fs \
364 /usr/lib/fs/nfs \
365 /usr/lib/fs/proc \
366 /usr/lib/fs/zfs \
367 /usr/lib/mdb \
368 /usr/lib/mdb/kvm \
369 /usr/lib/mdb/proc \
370 /usr/lib/mdb/disasm \
371 /usr/lib/nfs \
372 /usr/net \
373 /usr/net/servers \
374 /usr/share/hwdata \
375 /usr/share/lib \
376 /usr/share/lib/xml \
377 /usr/share/lib/xml/dtd \
378 /usr/share/src \
379 /var/spool/cron \
380 /var/spool/cron/atjobs \
381 /var/spool/cron/crontabs

383 sparcv9_ROOT.SYS64.2 = \
384 /platform/sun4u \
385 /usr/platform/sun4u

387 amd64_ROOT.SYS64.2 =

389 ROOT.SYS64.2 = \
390 ${$(MACH64)_ROOT.SYS64.2} \
391 /usr/lib/mdb/kvm/${MACH64} \

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392 /usr/lib/mbd/proc/$(MACH64) \
393 /usr/lib/fs/nfs/$(MACH64)

395 UUCP.UUCP= \
396 /var/spool/uucp \
397 /var/spool/uucppublic \
398 /var/uucp

400 ROOT.SFW= \
401 /usr/sfw/bin \
402 /usr/sfw/sbin \
403 /usr/sfw/include \
404 /usr/sfw/lib \
405 /usr/sfw/share

407 ROOT.SFW64= \
408 /usr/sfw/lib/$(MACH64)

410 # EXPORT DELETE START
411 ROOT.SFW64+= \
412 /usr/sfw/bin/$(MACH64)
413 # EXPORT DELETE END

415 OTHERS= \
416 /dev/term \
417 /tmp \
418 /etc/dladm \
419 /etc/mail \
420 /etc/mail/cf \
421 /etc/mail/cf/cf \
422 /etc/mail/cf/domain \
423 /etc/mail/cf/feature \
424 /etc/mail/cf/m4 \
425 /etc/mail/cf/mailer \
426 /etc/mail/cf/ostype \
427 /etc/mail/cf/sh \
428 /usr/lib/sa \
429 /usr/share/lib/ccs \
430 /usr/share/lib/tmac \
431 /usr/share/lib/ldif \
432 /var/adm/exacct \
433 /var/adm/log \
434 /var/adm/sa \
435 /var/idmap \
436 /var/mail \
437 /var/spool/lp \
438 /var/tmp

440 # /var/mail/:saved is built directly by the rootdirs target in
441 # /usr/src/Makefile because of the colon in its name.

443 # macros for symbolic links

445 SYM.ROOT.SYS= \
446 /dev/stdin \
447 /dev/stdout \
448 /dev/stderr \
449 /usr/adm \
450 /usr/lib/cron \
451 /usr/man \
452 /usr/pub

454 SYM.ROOT.BIN= \
455 /bin \
456 /lib/32 \
457 /lib/secure/32 \

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458 /etc/lib/ld.so.1 \
459 /etc/lib/libdl.so.1 \
460 /etc/lib/nss_files.so.1 \
461 /usr/spool \
462 /usr/lib/tmac \
463 /usr/ccs/lib/fp \
464 /usr/ccs/lib/link_audit \
465 /usr/news \
466 /usr/preserve \
467 /usr/src \
468 /usr/lib/32 \
469 /usr/lib/elfedit/32 \
470 /usr/lib/libp/32 \
471 /usr/lib/lwp/32 \
472 /usr/lib/link_audit/32 \
473 /usr/lib/secure/32 \
474 /var/ld/32 \
475 /usr/ucblib/32

478 i386_SYM.ROOT.BIN64= \
479 /usr/lib/brand/lx/64

481 sparc_SYM.ROOT.BIN64=

483 SYM.ROOT.BIN64= \
484 $(MACH)_SYM.ROOT.BIN64) \
485 /lib/64 \
486 /lib/secure/64 \
487 /usr/lib/64 \
488 /usr/lib/elfedit/64 \
489 /usr/lib/libp/64 \
490 /usr/lib/link_audit/64 \
491 /usr/lib/lwp/64 \
492 /usr/lib/secure/64 \
493 /usr/lib/security/64 \
494 /usr/xpg4/lib/64 \
495 /var/ld/64 \
496 /usr/ucblib/64

498 SYM.ROOT.SFW64= \
499 /usr/sfw/lib/64

501 SYM.OTHERS= \
502 /etc/log \
503 /usr/mail \
504 /usr/tmp

506 # prepend the ROOT prefix

508 ROOTDIRS= $(TARGETDIRS:%=$(ROOT)%)

510 # conditional assignments
511 #
512 # Target directories with non-default values for owner and group must
513 # be referenced here, using their fully-prefixed names, and the non-
514 # default values assigned. If a directory is mentioned above and not
515 # mentioned below, it has default values for attributes.
516 #
517 # The default values for OWNER, GROUP, and DIRMODE are specified in
518 # /usr/src/Makefile.master.
519 #

521 $(ROOT)/tmp \
522 $(ROOT)/usr/tmp \
523 $(ROOT)/var/tmp \

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524 $(ROOT)/var/adm/sa \
525 $(ROOT.SYS:%=$(ROOT)%) \
526 $(ROOT.SYS2:%=$(ROOT)%) \
527 $(ROOT.SYS64.2:%=$(ROOT)%) \
528 $(SYM.ROOT.SYS:%=$(ROOT)%) :=      GROUP= sys

530 $(ROOT)/var/adm \
531 $(ROOT)/var/adm/sa :=              DIRMODE= 775

533 $(ROOT)/var/idmap :=              OWNER= daemon
534 $(ROOT)/var/idmap :=              GROUP= daemon

536 $(ROOT)/dev/term:=                GROUP= root

538 $(UUCP.UUCP:%=$(ROOT)%) :=        OWNER= uucp
539 $(UUCP.UUCP:%=$(ROOT)%) :=        GROUP= uucp

541 $(ROOT)/etc/log \
542 $(ROOT)/usr/lib/sa \
543 $(ROOT)/var/adm/exacct \
544 $(ROOT)/var/adm/log \
545 $(ROOT)/var/adm/sa:=              OWNER= adm

547 $(ROOT)/etc/log \
548 $(ROOT)/var/adm/exacct \
549 $(ROOT)/var/adm/log:=            GROUP= adm

551 $(ROOT)/etc/mail \
552 $(ROOT)/etc/mail/cf \
553 $(ROOT)/etc/mail/cf/cf \
554 $(ROOT)/etc/mail/cf/domain \
555 $(ROOT)/etc/mail/cf/feature \
556 $(ROOT)/etc/mail/cf/m4 \
557 $(ROOT)/etc/mail/cf/mailler \
558 $(ROOT)/etc/mail/cf/ostype \
559 $(ROOT)/etc/mail/cf/sh \
560 $(ROOT)/usr/mail \
561 $(ROOT)/var/mail :=              GROUP= mail

563 $(ROOT)/etc/dladm :=              OWNER= dladm
564 $(ROOT)/etc/dladm :=              GROUP= sys

566 $(ROOT)/var/spool/lp:=            OWNER= lp
567 $(ROOT)/var/spool/lp:=            GROUP= lp
568 $(ROOT)/var/spool/lp:=            DIRMODE= 775

570 # file mode
571 #
572 $(ROOT)/tmp \
573 $(ROOT)/var/krb5/rcache \
574 $(ROOT)/var/preserve \
575 $(ROOT)/var/spool/pkg \
576 $(ROOT)/var/spool/uucppublic \
577 $(ROOT)/var/tmp:=                DIRMODE= 1777

579 $(ROOT)/var/krb5/rcache/root:=    DIRMODE= 700

581 $(ROOT)/etc/sfw/openssl/private:= DIRMODE= 700

583 #
584 # These permissions must match the ones set
585 # internally by fdfs and autofs.
586 #
587 $(ROOT)/dev/fd \
588 $(ROOT)/home:=                  DIRMODE= 555

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590 $(ROOT)/dev/fd \
591 $(ROOT)/home:=                  GROUP= root

593 $(ROOT)/var/mail:=              DIRMODE=1777

595 $(ROOT)/proc:=                  GROUP= root
596 $(ROOT)/proc:=                  DIRMODE= 555

598 $(ROOT)/system/contract:=        DIRMODE= 555
599 $(ROOT)/system/object:=          DIRMODE= 555

601 # symlink assignments, LINKDEST is the value of the symlink
602 #
603 $(ROOT)/usr/lib/cron:=            LINKDEST=../etc/cron.d
604 $(ROOT)/bin:=                    LINKDEST=usr/bin
605 $(ROOT)/lib/32:=                 LINKDEST=.
606 $(ROOT)/lib/secure/32:=          LINKDEST=.
607 $(ROOT)/dev/stdin:=              LINKDEST=fd/0
608 $(ROOT)/dev/stdout:=             LINKDEST=fd/1
609 $(ROOT)/dev/stderr:=             LINKDEST=fd/2
610 $(ROOT)/usr/pub:=                LINKDEST=share/lib/pub
611 $(ROOT)/usr/man:=                LINKDEST=share/man
612 $(ROOT)/usr/src:=                LINKDEST=share/src
613 $(ROOT)/usr/adm:=                LINKDEST=../var/adm
614 $(ROOT)/etc/lib/ld.so.1:=        LINKDEST=../lib/ld.so.1
615 $(ROOT)/etc/lib/libdl.so.1:=     LINKDEST=../lib/libdl.so.1
616 $(ROOT)/etc/lib/nss_files.so.1:= LINKDEST=../lib/nss_files.so.1
617 $(ROOT)/etc/log:=               LINKDEST=../var/adm/log
618 $(ROOT)/usr/mail:=              LINKDEST=../var/mail
619 $(ROOT)/usr/news:=              LINKDEST=../var/news
620 $(ROOT)/usr/preserve:=           LINKDEST=../var/preserve
621 $(ROOT)/usr/spool:=              LINKDEST=../var/spool
622 $(ROOT)/usr/tmp:=               LINKDEST=../var/tmp
623 $(ROOT)/usr/lib/tmac:=           LINKDEST=../share/lib/tmac
624 $(ROOT)/usr/lib/32:=             LINKDEST=.
625 $(ROOT)/usr/lib/elfedit/32:=     LINKDEST=.
626 $(ROOT)/usr/lib/libp/32:=        LINKDEST=.
627 $(ROOT)/usr/lib/lwp/32:=         LINKDEST=.
628 $(ROOT)/usr/lib/link_audit/32:=  LINKDEST=.
629 $(ROOT)/usr/lib/secure/32:=      LINKDEST=.
630 $(ROOT)/usr/ccs/lib/fp:=          LINKDEST=../lib/fp
631 $(ROOT)/usr/ccs/lib/link_audit:=  LINKDEST=../lib/link_audit
632 $(ROOT)/var/ld/32:=             LINKDEST=.
633 $(ROOT)/usr/ucblib/32:=          LINKDEST=.

636 $(BUILD64) $(ROOT)/lib/64:=      LINKDEST=$(MACH64)
637 $(BUILD64) $(ROOT)/lib/secure/64:= LINKDEST=$(MACH64)
638 $(BUILD64) $(ROOT)/usr/lib/64:=    LINKDEST=$(MACH64)
639 $(BUILD64) $(ROOT)/usr/lib/elfedit/64:= LINKDEST=$(MACH64)
640 $(BUILD64) $(ROOT)/usr/lib/brand/lx/64:= LINKDEST=$(MACH64)
641 $(BUILD64) $(ROOT)/usr/lib/libp/64:= LINKDEST=$(MACH64)
642 $(BUILD64) $(ROOT)/usr/lib/lwp/64:= LINKDEST=$(MACH64)
643 $(BUILD64) $(ROOT)/usr/lib/link_audit/64:= LINKDEST=$(MACH64)
644 $(BUILD64) $(ROOT)/usr/lib/secure/64:= LINKDEST=$(MACH64)
645 $(BUILD64) $(ROOT)/usr/lib/security/64:= LINKDEST=$(MACH64)
646 $(BUILD64) $(ROOT)/usr/xpg4/lib/64:= LINKDEST=$(MACH64)
647 $(BUILD64) $(ROOT)/var/ld/64:=     LINKDEST=$(MACH64)
648 $(BUILD64) $(ROOT)/usr/sfw/lib/64:= LINKDEST=$(MACH64)
649 $(BUILD64) $(ROOT)/usr/ucblib/64:= LINKDEST=$(MACH64)

651 # Installing a directory symlink calls for overriding INS.dir to install
652 # a symlink.
653 #
654 $(SYMLINKS:%=$(ROOT)%) := \
655     INS.dir= -$(RM) -r $@; $(SYMLINK) $(LINKDEST) $@; \

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656 $(CHOWN) $(OWNER) $@; $(CHGRP) $(GROUP) $@

659 # Special symlinks to populate usr/ccs/lib, whose objects
660 # have actually been moved to usr/lib
661 # Rather than adding another set of rules, we add usr/lib/lwp files here
662 $(ROOT)/usr/ccs/lib/libcurses.so:= REALPATH=../../../../lib/libcurses.so.1
663 $(ROOT)/usr/ccs/lib/libl-lcurses:= REALPATH=../../../../lib/libl-lcurses
664 $(ROOT)/usr/ccs/lib/libl-lcurses.ln:= REALPATH=../../../../lib/libl-lcurses.ln
665 $(ROOT)/usr/ccs/lib/libform.so:= REALPATH=../../../../lib/libform.so.1
666 $(ROOT)/usr/ccs/lib/libl-lform:= REALPATH=../../../../lib/libl-lform
667 $(ROOT)/usr/ccs/lib/libl-lform.ln:= REALPATH=../../../../lib/libl-lform.ln
668 $(ROOT)/usr/ccs/lib/libgen.so:= REALPATH=../../../../lib/libgen.so.1
669 $(ROOT)/usr/ccs/lib/libl-lgen:= REALPATH=../../../../lib/libl-lgen
670 $(ROOT)/usr/ccs/lib/libl-lgen.ln:= REALPATH=../../../../lib/libl-lgen.ln
671 $(ROOT)/usr/ccs/lib/libmalloc.so:= REALPATH=../../../../lib/libmalloc.so.1
672 $(ROOT)/usr/ccs/lib/libmenu.so:= REALPATH=../../../../lib/libmenu.so.1
673 $(ROOT)/usr/ccs/lib/libl-lmenu:= REALPATH=../../../../lib/libl-lmenu
674 $(ROOT)/usr/ccs/lib/libl-lmenu.ln:= REALPATH=../../../../lib/libl-lmenu.ln
675 $(ROOT)/usr/ccs/lib/libpanel.so:= REALPATH=../../../../lib/libpanel.so.1
676 $(ROOT)/usr/ccs/lib/libl-lpanel:= REALPATH=../../../../lib/libl-lpanel
677 $(ROOT)/usr/ccs/lib/libl-lpanel.ln:= REALPATH=../../../../lib/libl-lpanel.ln
678 $(ROOT)/usr/ccs/lib/libtermlib.so:= REALPATH=../../../../lib/libtermlib.so.1
679 $(ROOT)/usr/ccs/lib/libl-ltermlib:= REALPATH=../../../../lib/libl-ltermlib
680 $(ROOT)/usr/ccs/lib/libl-ltermlib.ln:= REALPATH=../../../../lib/libl-ltermlib.ln
681 $(ROOT)/usr/ccs/lib/libtermcap.so:= REALPATH=../../../../lib/libtermcap.so.1
682 $(ROOT)/usr/ccs/lib/libl-ltermcap:= REALPATH=../../../../lib/libl-ltermcap
683 $(ROOT)/usr/ccs/lib/libl-ltermcap.ln:= REALPATH=../../../../lib/libl-ltermcap.ln
684 $(ROOT)/usr/ccs/lib/values-Xa.o:= REALPATH=../../../../lib/values-Xa.o
685 $(ROOT)/usr/ccs/lib/values-Xc.o:= REALPATH=../../../../lib/values-Xc.o
686 $(ROOT)/usr/ccs/lib/values-Xs.o:= REALPATH=../../../../lib/values-Xs.o
687 $(ROOT)/usr/ccs/lib/values-Xt.o:= REALPATH=../../../../lib/values-Xt.o
688 $(ROOT)/usr/ccs/lib/values-xpg4.o:= REALPATH=../../../../lib/values-xpg4.o
689 $(ROOT)/usr/ccs/lib/values-xpg6.o:= REALPATH=../../../../lib/values-xpg6.o
690 $(ROOT)/usr/ccs/lib/libl.so:= REALPATH=../../../../lib/libl.so.1
691 $(ROOT)/usr/ccs/lib/libl-l1.ln:= REALPATH=../../../../lib/libl-l1.ln
692 $(ROOT)/usr/ccs/lib/libl.so:= REALPATH=../../../../lib/libl.so.1
693 $(ROOT)/usr/ccs/lib/libl-ly.ln:= REALPATH=../../../../lib/libl-ly.ln
694 $(ROOT)/usr/lib/libl/libc.so.1:= REALPATH=../../../../lib/libc.so.1
695 $(ROOT)/usr/lib/lwp/libthread.so.1:= REALPATH=../../../../libthread.so.1
696 $(ROOT)/usr/lib/lwp/libthread_db.so.1:= REALPATH=../../../../libthread_db.so.1

698 # symlinks to populate usr/ccs/lib/$(MACH64)
699 $(ROOT)/usr/ccs/lib/$(MACH64)/libcurses.so:= \
700 REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
701 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-lcurses.ln:= \
702 REALPATH=../../../../lib/$(MACH64)/libl-lcurses.ln
703 $(ROOT)/usr/ccs/lib/$(MACH64)/libform.so:= \
704 REALPATH=../../../../lib/$(MACH64)/libform.so.1
705 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-lform.ln:= \
706 REALPATH=../../../../lib/$(MACH64)/libl-lform.ln
707 $(ROOT)/usr/ccs/lib/$(MACH64)/libgen.so:= \
708 REALPATH=../../../../lib/$(MACH64)/libgen.so.1
709 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-lgen.ln:= \
710 REALPATH=../../../../lib/$(MACH64)/libl-lgen.ln
711 $(ROOT)/usr/ccs/lib/$(MACH64)/libmalloc.so:= \
712 REALPATH=../../../../lib/$(MACH64)/libmalloc.so.1
713 $(ROOT)/usr/ccs/lib/$(MACH64)/libmenu.so:= \
714 REALPATH=../../../../lib/$(MACH64)/libmenu.so.1
715 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-lmenu.ln:= \
716 REALPATH=../../../../lib/$(MACH64)/libl-lmenu.ln
717 $(ROOT)/usr/ccs/lib/$(MACH64)/libpanel.so:= \
718 REALPATH=../../../../lib/$(MACH64)/libpanel.so.1
719 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-lpanel.ln:= \
720 REALPATH=../../../../lib/$(MACH64)/libl-lpanel.ln
721 $(ROOT)/usr/ccs/lib/$(MACH64)/libtermlib.so:= \

```

```

722 REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
723 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-ltermlib.ln:= \
724 REALPATH=../../../../lib/$(MACH64)/libl-ltermlib.ln
725 $(ROOT)/usr/ccs/lib/$(MACH64)/libtermcap.so:= \
726 REALPATH=../../../../lib/$(MACH64)/libtermcap.so.1
727 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-ltermcap.ln:= \
728 REALPATH=../../../../lib/$(MACH64)/libl-ltermcap.ln
729 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xa.o:= \
730 REALPATH=../../../../lib/$(MACH64)/values-Xa.o
731 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xc.o:= \
732 REALPATH=../../../../lib/$(MACH64)/values-Xc.o
733 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xs.o:= \
734 REALPATH=../../../../lib/$(MACH64)/values-Xs.o
735 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xt.o:= \
736 REALPATH=../../../../lib/$(MACH64)/values-Xt.o
737 $(ROOT)/usr/ccs/lib/$(MACH64)/values-xpg4.o:= \
738 REALPATH=../../../../lib/$(MACH64)/values-xpg4.o
739 $(ROOT)/usr/ccs/lib/$(MACH64)/values-xpg6.o:= \
740 REALPATH=../../../../lib/$(MACH64)/values-xpg6.o
741 $(ROOT)/usr/ccs/lib/$(MACH64)/libl.so:= \
742 REALPATH=../../../../lib/$(MACH64)/libl.so.1
743 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-l1.ln:= \
744 REALPATH=../../../../lib/$(MACH64)/libl-l1.ln
745 $(ROOT)/usr/ccs/lib/$(MACH64)/liby.so:= \
746 REALPATH=../../../../lib/$(MACH64)/liby.so.1
747 $(ROOT)/usr/ccs/lib/$(MACH64)/libl-ly.ln:= \
748 REALPATH=../../../../lib/$(MACH64)/libl-ly.ln
749 $(ROOT)/usr/lib/libp/$(MACH64)/libc.so.1:= \
750 REALPATH=../../../../lib/$(MACH64)/libc.so.1
751 $(ROOT)/usr/lib/lwp/$(MACH64)/libthread.so.1:= \
752 REALPATH=../../../../lib/$(MACH64)/libthread.so.1
753 $(ROOT)/usr/lib/lwp/$(MACH64)/libthread_db.so.1:= \
754 REALPATH=../../../../lib/$(MACH64)/libthread_db.so.1

756 SYM.USRCCSLIB= \
757 /usr/ccs/lib/libcurses.so \
758 /usr/ccs/lib/libl-lcurses.ln \
759 /usr/ccs/lib/libl-lcurses.ln \
760 /usr/ccs/lib/libform.so \
761 /usr/ccs/lib/libl-lform.ln \
762 /usr/ccs/lib/libl-lform.ln \
763 /usr/ccs/lib/libgen.so \
764 /usr/ccs/lib/libl-lgen.ln \
765 /usr/ccs/lib/libl-lgen.ln \
766 /usr/ccs/lib/libmalloc.so \
767 /usr/ccs/lib/libmenu.so \
768 /usr/ccs/lib/libl-lmenu.ln \
769 /usr/ccs/lib/libl-lmenu.ln \
770 /usr/ccs/lib/libpanel.so \
771 /usr/ccs/lib/libl-lpanel.ln \
772 /usr/ccs/lib/libl-lpanel.ln \
773 /usr/ccs/lib/libtermlib.so \
774 /usr/ccs/lib/libl-ltermlib.ln \
775 /usr/ccs/lib/libl-ltermlib.ln \
776 /usr/ccs/lib/libtermcap.so \
777 /usr/ccs/lib/libl-ltermcap.ln \
778 /usr/ccs/lib/libl-ltermcap.ln \
779 /usr/ccs/lib/values-Xa.o \
780 /usr/ccs/lib/values-Xc.o \
781 /usr/ccs/lib/values-Xs.o \
782 /usr/ccs/lib/values-Xt.o \
783 /usr/ccs/lib/values-xpg4.o \
784 /usr/ccs/lib/values-xpg6.o \
785 /usr/ccs/lib/libl.so \
786 /usr/ccs/lib/libl-l1.ln \
787 /usr/ccs/lib/liby.so \

```

```

788 /usr/ccs/lib/llib-ly.ln \
789 /usr/lib/libp/libc.so.1 \
790 /usr/lib/lwp/libthread.so.1 \
791 /usr/lib/lwp/libthread_db.so.1

```

```

793 SYM.USRCCSLIB64= \
794 /usr/ccs/lib/$(MACH64)/libcurses.so \
795 /usr/ccs/lib/$(MACH64)/llib-1curses.ln \
796 /usr/ccs/lib/$(MACH64)/libform.so \
797 /usr/ccs/lib/$(MACH64)/llib-lform.ln \
798 /usr/ccs/lib/$(MACH64)/libgen.so \
799 /usr/ccs/lib/$(MACH64)/llib-lgen.ln \
800 /usr/ccs/lib/$(MACH64)/libmalloc.so \
801 /usr/ccs/lib/$(MACH64)/libmenu.so \
802 /usr/ccs/lib/$(MACH64)/llib-lmenu.ln \
803 /usr/ccs/lib/$(MACH64)/libpanel.so \
804 /usr/ccs/lib/$(MACH64)/llib-lpanel.ln \
805 /usr/ccs/lib/$(MACH64)/libterm.lib.so \
806 /usr/ccs/lib/$(MACH64)/llib-lterm.lib.ln \
807 /usr/ccs/lib/$(MACH64)/libtermcap.so \
808 /usr/ccs/lib/$(MACH64)/llib-ltermcap.ln \
809 /usr/ccs/lib/$(MACH64)/values-Xa.o \
810 /usr/ccs/lib/$(MACH64)/values-Xc.o \
811 /usr/ccs/lib/$(MACH64)/values-Xs.o \
812 /usr/ccs/lib/$(MACH64)/values-Xt.o \
813 /usr/ccs/lib/$(MACH64)/values-xpg4.o \
814 /usr/ccs/lib/$(MACH64)/values-xpg6.o \
815 /usr/ccs/lib/$(MACH64)/libl.so \
816 /usr/ccs/lib/$(MACH64)/llib-ll.ln \
817 /usr/ccs/lib/$(MACH64)/liby.so \
818 /usr/ccs/lib/$(MACH64)/llib-ly.ln \
819 /usr/lib/libp/$(MACH64)/libc.so.1 \
820 /usr/lib/lwp/$(MACH64)/libthread.so.1 \
821 /usr/lib/lwp/$(MACH64)/libthread_db.so.1

```

```

824 $(SYM.USRCCSLIB:%=$(ROOT%)):= \
825 INS.dir= -$(RM) %@; $(SYMLINK) $(REALPATH) %@; \
826 $(CHOWN) $(OWNER) %@; $(CHGRP) $(GROUP) $@

```

```

828 $(SYM.USRCCSLIB64:%=$(ROOT%)):= \
829 INS.dir= -$(RM) %@; $(SYMLINK) $(REALPATH) %@; \
830 $(CHOWN) $(OWNER) %@; $(CHGRP) $(GROUP) $@

```

```

832 # Special symlinks to direct libraries that have been moved
833 # from /usr/lib to /lib in order to live in the root filesystem.
834 $(ROOT)/lib/libposix4.so.1:= REALPATH=librt.so.1
835 $(ROOT)/lib/libposix4.so:= REALPATH=libposix4.so.1
836 $(ROOT)/lib/llib-lposix4:= REALPATH=llib-lrt
837 $(ROOT)/lib/llib-lposix4.ln:= REALPATH=llib-lrt.ln
838 $(ROOT)/lib/libthread_db.so.1:= REALPATH=libc_db.so.1
839 $(ROOT)/lib/libthread_db.so:= REALPATH=libc_db.so.1
840 $(ROOT)/usr/lib/ld.so.1:= REALPATH=../lib/ld.so.1
841 $(ROOT)/usr/lib/libadm.so.1:= REALPATH=../lib/libadm.so.1
842 $(ROOT)/usr/lib/libadm.so:= REALPATH=../lib/libadm.so.1
843 $(ROOT)/usr/lib/libaio.so.1:= REALPATH=../lib/libaio.so.1
844 $(ROOT)/usr/lib/libaio.so:= REALPATH=../lib/libaio.so.1
845 $(ROOT)/usr/lib/libavl.so.1:= REALPATH=../lib/libavl.so.1
846 $(ROOT)/usr/lib/libavl.so:= REALPATH=../lib/libavl.so.1
847 $(ROOT)/usr/lib/libbsm.so.1:= REALPATH=../lib/libbsm.so.1
848 $(ROOT)/usr/lib/libbsm.so:= REALPATH=../lib/libbsm.so.1
849 $(ROOT)/usr/lib/libc.so.1:= REALPATH=../lib/libc.so.1
850 $(ROOT)/usr/lib/libc.so:= REALPATH=../lib/libc.so.1
851 $(ROOT)/usr/lib/libc_db.so.1:= REALPATH=../lib/libc_db.so.1
852 $(ROOT)/usr/lib/libc_db.so:= REALPATH=../lib/libc_db.so.1
853 $(ROOT)/usr/lib/libcudutils.so.1:= REALPATH=../lib/libcudutils.so.1

```

```

854 $(ROOT)/usr/lib/libcudutils.so:= REALPATH=../lib/libcudutils.so.1
855 $(ROOT)/usr/lib/libcontract.so.1:= REALPATH=../lib/libcontract.so.1
856 $(ROOT)/usr/lib/libcontract.so:= REALPATH=../lib/libcontract.so.1
857 $(ROOT)/usr/lib/libctf.so.1:= REALPATH=../lib/libctf.so.1
858 $(ROOT)/usr/lib/libctf.so:= REALPATH=../lib/libctf.so.1
859 $(ROOT)/usr/lib/libcurses.so.1:= REALPATH=../lib/libcurses.so.1
860 $(ROOT)/usr/lib/libcurses.so:= REALPATH=../lib/libcurses.so.1
861 $(ROOT)/usr/lib/libdevice.so.1:= REALPATH=../lib/libdevice.so.1
862 $(ROOT)/usr/lib/libdevice.so:= REALPATH=../lib/libdevice.so.1
863 $(ROOT)/usr/lib/libdevinfo.so.1:= REALPATH=../lib/libdevinfo.so.1
864 $(ROOT)/usr/lib/libdevinfo.so:= REALPATH=../lib/libdevinfo.so.1
865 $(ROOT)/usr/lib/libdevinfo.so.1:= REALPATH=../lib/libdevinfo.so.1
866 $(ROOT)/usr/lib/libdevinfo.so:= REALPATH=../lib/libdevinfo.so.1
867 $(ROOT)/usr/lib/libdhcpcagent.so.1:= REALPATH=../lib/libdhcpcagent.so.1
868 $(ROOT)/usr/lib/libdhcpcagent.so:= REALPATH=../lib/libdhcpcagent.so.1
869 $(ROOT)/usr/lib/libdhcputil.so.1:= REALPATH=../lib/libdhcputil.so.1
870 $(ROOT)/usr/lib/libdhcputil.so:= REALPATH=../lib/libdhcputil.so.1
871 $(ROOT)/usr/lib/libdl.so.1:= REALPATH=../lib/libdl.so.1
872 $(ROOT)/usr/lib/libdl.so:= REALPATH=../lib/libdl.so.1
873 $(ROOT)/usr/lib/libdmpi.so.1:= REALPATH=../lib/libdmpi.so.1
874 $(ROOT)/usr/lib/libdmpi.so:= REALPATH=../lib/libdmpi.so.1
875 $(ROOT)/usr/lib/libdoor.so.1:= REALPATH=../lib/libdoor.so.1
876 $(ROOT)/usr/lib/libdoor.so:= REALPATH=../lib/libdoor.so.1
877 $(ROOT)/usr/lib/libefi.so.1:= REALPATH=../lib/libefi.so.1
878 $(ROOT)/usr/lib/libefi.so:= REALPATH=../lib/libefi.so.1
879 $(ROOT)/usr/lib/libelf.so.1:= REALPATH=../lib/libelf.so.1
880 $(ROOT)/usr/lib/libelf.so:= REALPATH=../lib/libelf.so.1
881 $(ROOT)/usr/lib/libgen.so.1:= REALPATH=../lib/libgen.so.1
882 $(ROOT)/usr/lib/libgen.so:= REALPATH=../lib/libgen.so.1
883 $(ROOT)/usr/lib/libinetcfg.so.1:= REALPATH=../lib/libinetcfg.so.1
884 $(ROOT)/usr/lib/libinetcfg.so:= REALPATH=../lib/libinetcfg.so.1
885 $(ROOT)/usr/lib/libinetutil.so.1:= REALPATH=../lib/libinetutil.so.1
886 $(ROOT)/usr/lib/libinetutil.so:= REALPATH=../lib/libinetutil.so.1
887 $(ROOT)/usr/lib/libintl.so.1:= REALPATH=../lib/libintl.so.1
888 $(ROOT)/usr/lib/libintl.so:= REALPATH=../lib/libintl.so.1
889 $(ROOT)/usr/lib/libiscsitgt.so.1:= REALPATH=../lib/libiscsitgt.so.1
890 $(ROOT)/usr/lib/libiscsitgt.so:= REALPATH=../lib/libiscsitgt.so.1
891 $(ROOT)/usr/lib/libkstat.so.1:= REALPATH=../lib/libkstat.so.1
892 $(ROOT)/usr/lib/libkstat.so:= REALPATH=../lib/libkstat.so.1
893 $(ROOT)/usr/lib/liblddbg.so.4:= REALPATH=../lib/liblddbg.so.4
894 $(ROOT)/usr/lib/libmd.so.1:= REALPATH=../lib/libmd.so.1
895 $(ROOT)/usr/lib/libmd.so:= REALPATH=../lib/libmd.so.1
896 $(ROOT)/usr/lib/libmd5.so.1:= REALPATH=../lib/libmd5.so.1
897 $(ROOT)/usr/lib/libmd5.so:= REALPATH=../lib/libmd5.so.1
898 $(ROOT)/usr/lib/libmeta.so.1:= REALPATH=../lib/libmeta.so.1
899 $(ROOT)/usr/lib/libmeta.so:= REALPATH=../lib/libmeta.so.1
900 $(ROOT)/usr/lib/libmp.so.1:= REALPATH=../lib/libmp.so.1
901 $(ROOT)/usr/lib/libmp.so.2:= REALPATH=../lib/libmp.so.2
902 $(ROOT)/usr/lib/libmp.so:= REALPATH=../lib/libmp.so.2
903 $(ROOT)/usr/lib/libnsl.so.1:= REALPATH=../lib/libnsl.so.1
904 $(ROOT)/usr/lib/libnsl.so:= REALPATH=../lib/libnsl.so.1
905 $(ROOT)/usr/lib/libnvpair.so.1:= REALPATH=../lib/libnvpair.so.1
906 $(ROOT)/usr/lib/libnvpair.so:= REALPATH=../lib/libnvpair.so.1
907 $(ROOT)/usr/lib/libpam.so.1:= REALPATH=../lib/libpam.so.1
908 $(ROOT)/usr/lib/libpam.so:= REALPATH=../lib/libpam.so.1
909 $(ROOT)/usr/lib/libposix4.so.1:= REALPATH=../lib/librt.so.1
910 $(ROOT)/usr/lib/libposix4.so:= REALPATH=../lib/librt.so.1
911 $(ROOT)/usr/lib/libproc.so.1:= REALPATH=../lib/libproc.so.1
912 $(ROOT)/usr/lib/libproc.so:= REALPATH=../lib/libproc.so.1
913 $(ROOT)/usr/lib/libpthread.so.1:= REALPATH=../lib/libpthread.so.1
914 $(ROOT)/usr/lib/libresolv.so.1:= REALPATH=../lib/libresolv.so.1
915 $(ROOT)/usr/lib/libresolv.so.2:= REALPATH=../lib/libresolv.so.2
916 $(ROOT)/usr/lib/libresolv.so:= REALPATH=../lib/libresolv.so.2
917 $(ROOT)/usr/lib/libpthread.so:= REALPATH=../lib/libpthread.so.1
918 $(ROOT)/usr/lib/librestart.so.1:= REALPATH=../lib/librestart.so.1
919 $(ROOT)/usr/lib/librestart.so:= REALPATH=../lib/librestart.so.1

```

920 \$(ROOT)/usr/lib/librpcsvc.so.1:=
 921 \$(ROOT)/usr/lib/librpcsvc.so:=
 922 \$(ROOT)/usr/lib/librt.so.1:=
 923 \$(ROOT)/usr/lib/librt.so:=
 924 \$(ROOT)/usr/lib/librtld.so.1:=
 925 \$(ROOT)/usr/lib/librtld_db.so.1:=
 926 \$(ROOT)/usr/lib/librtld_db.so:=
 927 \$(ROOT)/usr/lib/libscf.so.1:=
 928 \$(ROOT)/usr/lib/libscf.so:=
 929 \$(ROOT)/usr/lib/libsec.so.1:=
 930 \$(ROOT)/usr/lib/libsec.so:=
 931 \$(ROOT)/usr/lib/libsecdb.so.1:=
 932 \$(ROOT)/usr/lib/libsecdb.so:=
 933 \$(ROOT)/usr/lib/libsendfile.so.1:=
 934 \$(ROOT)/usr/lib/libsendfile.so:=
 935 \$(ROOT)/usr/lib/libsocket.so.1:=
 936 \$(ROOT)/usr/lib/libsocket.so:=
 937 \$(ROOT)/usr/lib/libsysevent.so.1:=
 938 \$(ROOT)/usr/lib/libsysevent.so:=
 939 \$(ROOT)/usr/lib/libtermcap.so.1:=
 940 \$(ROOT)/usr/lib/libtermcap.so:=
 941 \$(ROOT)/usr/lib/libtermplib.so.1:=
 942 \$(ROOT)/usr/lib/libtermplib.so:=
 943 \$(ROOT)/usr/lib/libthread.so.1:=
 944 \$(ROOT)/usr/lib/libthread.so:=
 945 \$(ROOT)/usr/lib/libthread_db.so.1:=
 946 \$(ROOT)/usr/lib/libthread_db.so:=
 947 \$(ROOT)/usr/lib/libtsnet.so.1:=
 948 \$(ROOT)/usr/lib/libtsnet.so:=
 949 \$(ROOT)/usr/lib/libtsol.so.2:=
 950 \$(ROOT)/usr/lib/libtsol.so:=
 951 \$(ROOT)/usr/lib/libumem.so.1:=
 952 \$(ROOT)/usr/lib/libumem.so:=
 953 \$(ROOT)/usr/lib/libuuid.so.1:=
 954 \$(ROOT)/usr/lib/libuuid.so:=
 955 \$(ROOT)/usr/lib/libuutil.so.1:=
 956 \$(ROOT)/usr/lib/libuutil.so:=
 957 \$(ROOT)/usr/lib/libw.so.1:=
 958 \$(ROOT)/usr/lib/libw.so:=
 959 \$(ROOT)/usr/lib/libxnet.so.1:=
 960 \$(ROOT)/usr/lib/libxnet.so:=
 961 \$(ROOT)/usr/lib/libzfs.so.1:=
 962 \$(ROOT)/usr/lib/libzfs.so:=
 963 \$(ROOT)/usr/lib/lib-ladm.ln:=
 964 \$(ROOT)/usr/lib/lib-ladm:=
 965 \$(ROOT)/usr/lib/lib-laioc.ln:=
 966 \$(ROOT)/usr/lib/lib-laioc:=
 967 \$(ROOT)/usr/lib/lib-lavl.ln:=
 968 \$(ROOT)/usr/lib/lib-lavl:=
 969 \$(ROOT)/usr/lib/lib-lbsm.ln:=
 970 \$(ROOT)/usr/lib/lib-lbsm:=
 971 \$(ROOT)/usr/lib/lib-lc.ln:=
 972 \$(ROOT)/usr/lib/lib-lc:=
 973 \$(ROOT)/usr/lib/lib-lcmdutils.ln:=
 974 \$(ROOT)/usr/lib/lib-lcmdutils:=
 975 \$(ROOT)/usr/lib/lib-lcontract.ln:=
 976 \$(ROOT)/usr/lib/lib-lcontract:=
 977 \$(ROOT)/usr/lib/lib-lctf.ln:=
 978 \$(ROOT)/usr/lib/lib-lctf:=
 979 \$(ROOT)/usr/lib/lib-lcurses.ln:=
 980 \$(ROOT)/usr/lib/lib-lcurses:=
 981 \$(ROOT)/usr/lib/lib-ldevice.ln:=
 982 \$(ROOT)/usr/lib/lib-ldevice:=
 983 \$(ROOT)/usr/lib/lib-ldevid.ln:=
 984 \$(ROOT)/usr/lib/lib-ldevid:=
 985 \$(ROOT)/usr/lib/lib-ldevinfo.ln:=

REALPATH=../../../../lib/librpcsvc.so.1
 REALPATH=../../../../lib/librpcsvc.so.1
 REALPATH=../../../../lib/librt.so.1
 REALPATH=../../../../lib/librt.so.1
 REALPATH=../../../../lib/librtld.so.1
 REALPATH=../../../../lib/librtld_db.so.1
 REALPATH=../../../../lib/librtld_db.so.1
 REALPATH=../../../../lib/libscf.so.1
 REALPATH=../../../../lib/libscf.so.1
 REALPATH=../../../../lib/libsec.so.1
 REALPATH=../../../../lib/libsec.so.1
 REALPATH=../../../../lib/libsecdb.so.1
 REALPATH=../../../../lib/libsecdb.so.1
 REALPATH=../../../../lib/libsendfile.so.1
 REALPATH=../../../../lib/libsendfile.so.1
 REALPATH=../../../../lib/libsocket.so.1
 REALPATH=../../../../lib/libsocket.so.1
 REALPATH=../../../../lib/libsysevent.so.1
 REALPATH=../../../../lib/libsysevent.so.1
 REALPATH=../../../../lib/libcurses.so.1
 REALPATH=../../../../lib/libcurses.so.1
 REALPATH=../../../../lib/libcurses.so.1
 REALPATH=../../../../lib/libcurses.so.1
 REALPATH=../../../../lib/libcurses.so.1
 REALPATH=../../../../lib/libthread.so.1
 REALPATH=../../../../lib/libthread.so.1
 REALPATH=../../../../lib/libthread_db.so.1
 REALPATH=../../../../lib/libthread_db.so.1
 REALPATH=../../../../lib/libtsnet.so.1
 REALPATH=../../../../lib/libtsnet.so.1
 REALPATH=../../../../lib/libtsol.so.2
 REALPATH=../../../../lib/libtsol.so.2
 REALPATH=../../../../lib/libumem.so.1
 REALPATH=../../../../lib/libumem.so.1
 REALPATH=../../../../lib/libuuid.so.1
 REALPATH=../../../../lib/libuuid.so.1
 REALPATH=../../../../lib/libuutil.so.1
 REALPATH=../../../../lib/libuutil.so.1
 REALPATH=../../../../lib/libw.so.1
 REALPATH=../../../../lib/libw.so.1
 REALPATH=../../../../lib/libxnet.so.1
 REALPATH=../../../../lib/libxnet.so.1
 REALPATH=../../../../lib/libzfs.so.1
 REALPATH=../../../../lib/libzfs.so.1
 REALPATH=../../../../lib/lib-ladm.ln
 REALPATH=../../../../lib/lib-ladm
 REALPATH=../../../../lib/lib-laioc.ln
 REALPATH=../../../../lib/lib-laioc
 REALPATH=../../../../lib/lib-lavl.ln
 REALPATH=../../../../lib/lib-lavl
 REALPATH=../../../../lib/lib-lbsm.ln
 REALPATH=../../../../lib/lib-lbsm
 REALPATH=../../../../lib/lib-lc.ln
 REALPATH=../../../../lib/lib-lc
 REALPATH=../../../../lib/lib-lcmdutils.ln
 REALPATH=../../../../lib/lib-lcmdutils
 REALPATH=../../../../lib/lib-lcontract.ln
 REALPATH=../../../../lib/lib-lcontract
 REALPATH=../../../../lib/lib-lctf.ln
 REALPATH=../../../../lib/lib-lctf
 REALPATH=../../../../lib/lib-lcurses.ln
 REALPATH=../../../../lib/lib-lcurses
 REALPATH=../../../../lib/lib-ldevice.ln
 REALPATH=../../../../lib/lib-ldevice
 REALPATH=../../../../lib/lib-ldevid.ln
 REALPATH=../../../../lib/lib-ldevid
 REALPATH=../../../../lib/lib-ldevinfo.ln

986 \$(ROOT)/usr/lib/lib-ldevinfo:=
 987 \$(ROOT)/usr/lib/lib-ldhcpage.ln:=
 988 \$(ROOT)/usr/lib/lib-ldhcpage:=
 989 \$(ROOT)/usr/lib/lib-ldhcputil.ln:=
 990 \$(ROOT)/usr/lib/lib-ldhcputil:=
 991 \$(ROOT)/usr/lib/lib-lld.ln:=
 992 \$(ROOT)/usr/lib/lib-lld:=
 993 \$(ROOT)/usr/lib/lib-lldoor.ln:=
 994 \$(ROOT)/usr/lib/lib-lldoor:=
 995 \$(ROOT)/usr/lib/lib-llefi.ln:=
 996 \$(ROOT)/usr/lib/lib-llefi:=
 997 \$(ROOT)/usr/lib/lib-lleif.ln:=
 998 \$(ROOT)/usr/lib/lib-lleif:=
 999 \$(ROOT)/usr/lib/lib-lngen.ln:=
 1000 \$(ROOT)/usr/lib/lib-lngen:=
 1001 \$(ROOT)/usr/lib/lib-linetcfg.ln:=
 1002 \$(ROOT)/usr/lib/lib-linetcfg:=
 1003 \$(ROOT)/usr/lib/lib-linetutil.ln:=
 1004 \$(ROOT)/usr/lib/lib-linetutil:=
 1005 \$(ROOT)/usr/lib/lib-lintl.ln:=
 1006 \$(ROOT)/usr/lib/lib-lintl:=
 1007 \$(ROOT)/usr/lib/lib-lkstat.ln:=
 1008 \$(ROOT)/usr/lib/lib-lkstat:=
 1009 \$(ROOT)/usr/lib/lib-lmd5.ln:=
 1010 \$(ROOT)/usr/lib/lib-lmd5:=
 1011 \$(ROOT)/usr/lib/lib-lmeta.ln:=
 1012 \$(ROOT)/usr/lib/lib-lmeta:=
 1013 \$(ROOT)/usr/lib/lib-lns.ln:=
 1014 \$(ROOT)/usr/lib/lib-lns:=
 1015 \$(ROOT)/usr/lib/lib-lnvpair.ln:=
 1016 \$(ROOT)/usr/lib/lib-lnvpair:=
 1017 \$(ROOT)/usr/lib/lib-lpam.ln:=
 1018 \$(ROOT)/usr/lib/lib-lpam:=
 1019 \$(ROOT)/usr/lib/lib-lposix4.ln:=
 1020 \$(ROOT)/usr/lib/lib-lposix4:=
 1021 \$(ROOT)/usr/lib/lib-lpthread.ln:=
 1022 \$(ROOT)/usr/lib/lib-lpthread:=
 1023 \$(ROOT)/usr/lib/lib-lresolv.ln:=
 1024 \$(ROOT)/usr/lib/lib-lresolv:=
 1025 \$(ROOT)/usr/lib/lib-lrpcsvc.ln:=
 1026 \$(ROOT)/usr/lib/lib-lrpcsvc:=
 1027 \$(ROOT)/usr/lib/lib-lrt.ln:=
 1028 \$(ROOT)/usr/lib/lib-lrt:=
 1029 \$(ROOT)/usr/lib/lib-lrtld_db.ln:=
 1030 \$(ROOT)/usr/lib/lib-lrtld_db:=
 1031 \$(ROOT)/usr/lib/lib-lscf.ln:=
 1032 \$(ROOT)/usr/lib/lib-lscf:=
 1033 \$(ROOT)/usr/lib/lib-lsec.ln:=
 1034 \$(ROOT)/usr/lib/lib-lsec:=
 1035 \$(ROOT)/usr/lib/lib-lsecdb.ln:=
 1036 \$(ROOT)/usr/lib/lib-lsecdb:=
 1037 \$(ROOT)/usr/lib/lib-lsendfile.ln:=
 1038 \$(ROOT)/usr/lib/lib-lsendfile:=
 1039 \$(ROOT)/usr/lib/lib-lsocket.ln:=
 1040 \$(ROOT)/usr/lib/lib-lsocket:=
 1041 \$(ROOT)/usr/lib/lib-lsysevent.ln:=
 1042 \$(ROOT)/usr/lib/lib-lsysevent:=
 1043 \$(ROOT)/usr/lib/lib-ltermcap.ln:=
 1044 \$(ROOT)/usr/lib/lib-ltermcap:=
 1045 \$(ROOT)/usr/lib/lib-ltermplib.ln:=
 1046 \$(ROOT)/usr/lib/lib-ltermplib:=
 1047 \$(ROOT)/usr/lib/lib-lthread.ln:=
 1048 \$(ROOT)/usr/lib/lib-lthread:=
 1049 \$(ROOT)/usr/lib/lib-lthread_db.ln:=
 1050 \$(ROOT)/usr/lib/lib-lthread_db:=
 1051 \$(ROOT)/usr/lib/lib-ltsnet.ln:=

REALPATH=../../../../lib/lib-ldevinfo
 REALPATH=../../../../lib/lib-ldhcpage.ln
 REALPATH=../../../../lib/lib-ldhcpage
 REALPATH=../../../../lib/lib-ldhcputil.ln
 REALPATH=../../../../lib/lib-ldhcputil
 REALPATH=../../../../lib/lib-lld.ln
 REALPATH=../../../../lib/lib-lld
 REALPATH=../../../../lib/lib-lldoor.ln
 REALPATH=../../../../lib/lib-lldoor
 REALPATH=../../../../lib/lib-llefi.ln
 REALPATH=../../../../lib/lib-llefi
 REALPATH=../../../../lib/lib-lleif.ln
 REALPATH=../../../../lib/lib-lleif
 REALPATH=../../../../lib/lib-lngen.ln
 REALPATH=../../../../lib/lib-lngen
 REALPATH=../../../../lib/lib-linetcfg.ln
 REALPATH=../../../../lib/lib-linetcfg
 REALPATH=../../../../lib/lib-linetutil.ln
 REALPATH=../../../../lib/lib-linetutil
 REALPATH=../../../../lib/lib-lintl.ln
 REALPATH=../../../../lib/lib-lintl
 REALPATH=../../../../lib/lib-lkstat.ln
 REALPATH=../../../../lib/lib-lkstat
 REALPATH=../../../../lib/lib-lmd5.ln
 REALPATH=../../../../lib/lib-lmd5
 REALPATH=../../../../lib/lib-lmeta.ln
 REALPATH=../../../../lib/lib-lmeta
 REALPATH=../../../../lib/lib-lns.ln
 REALPATH=../../../../lib/lib-lns
 REALPATH=../../../../lib/lib-lnvpair.ln
 REALPATH=../../../../lib/lib-lnvpair
 REALPATH=../../../../lib/lib-lpam.ln
 REALPATH=../../../../lib/lib-lpam
 REALPATH=../../../../lib/lib-lrt.ln
 REALPATH=../../../../lib/lib-lrt
 REALPATH=../../../../lib/lib-lpthread.ln
 REALPATH=../../../../lib/lib-lpthread
 REALPATH=../../../../lib/lib-lresolv.ln
 REALPATH=../../../../lib/lib-lresolv
 REALPATH=../../../../lib/lib-lrpcsvc.ln
 REALPATH=../../../../lib/lib-lrpcsvc
 REALPATH=../../../../lib/lib-lrt.ln
 REALPATH=../../../../lib/lib-lrt
 REALPATH=../../../../lib/lib-lrtld_db.ln
 REALPATH=../../../../lib/lib-lrtld_db
 REALPATH=../../../../lib/lib-lscf.ln
 REALPATH=../../../../lib/lib-lscf
 REALPATH=../../../../lib/lib-lsec.ln
 REALPATH=../../../../lib/lib-lsec
 REALPATH=../../../../lib/lib-lsecdb.ln
 REALPATH=../../../../lib/lib-lsecdb
 REALPATH=../../../../lib/lib-lsendfile.ln
 REALPATH=../../../../lib/lib-lsendfile
 REALPATH=../../../../lib/lib-lsocket.ln
 REALPATH=../../../../lib/lib-lsocket
 REALPATH=../../../../lib/lib-lsysevent.ln
 REALPATH=../../../../lib/lib-lsysevent
 REALPATH=../../../../lib/lib-ltermcap.ln
 REALPATH=../../../../lib/lib-ltermcap
 REALPATH=../../../../lib/lib-ltermplib.ln
 REALPATH=../../../../lib/lib-ltermplib
 REALPATH=../../../../lib/lib-lthread.ln
 REALPATH=../../../../lib/lib-lthread
 REALPATH=../../../../lib/lib-lthread_db.ln
 REALPATH=../../../../lib/lib-lthread_db
 REALPATH=../../../../lib/lib-ltsnet.ln


```

1052 $(ROOT)/usr/lib/llib-ltsnet:= REALPATH=../../../../lib/llib-ltsnet
1053 $(ROOT)/usr/lib/llib-ltsol.ln:= REALPATH=../../../../lib/llib-ltsol.ln
1054 $(ROOT)/usr/lib/llib-ltsol:= REALPATH=../../../../lib/llib-ltsol
1055 $(ROOT)/usr/lib/llib-lumem.ln:= REALPATH=../../../../lib/llib-lumem.ln
1056 $(ROOT)/usr/lib/llib-lumem:= REALPATH=../../../../lib/llib-lumem
1057 $(ROOT)/usr/lib/llib-luuid.ln:= REALPATH=../../../../lib/llib-luuid.ln
1058 $(ROOT)/usr/lib/llib-luuid:= REALPATH=../../../../lib/llib-luuid
1059 $(ROOT)/usr/lib/llib-lxnet.ln:= REALPATH=../../../../lib/llib-lxnet.ln
1060 $(ROOT)/usr/lib/llib-lxnet:= REALPATH=../../../../lib/llib-lxnet
1061 $(ROOT)/usr/lib/llib-lzfs.ln:= REALPATH=../../../../lib/llib-lzfs.ln
1062 $(ROOT)/usr/lib/llib-lzfs:= REALPATH=../../../../lib/llib-lzfs
1063 $(ROOT)/usr/lib/nss_compat.so.1:= REALPATH=../../../../lib/nss_compat.so.1
1064 $(ROOT)/usr/lib/nss_dns.so.1:= REALPATH=../../../../lib/nss_dns.so.1
1065 $(ROOT)/usr/lib/nss_files.so.1:= REALPATH=../../../../lib/nss_files.so.1
1066 $(ROOT)/usr/lib/nss_nis.so.1:= REALPATH=../../../../lib/nss_nis.so.1
1067 $(ROOT)/usr/lib/nss_nisplus.so.1:= REALPATH=../../../../lib/nss_nisplus.so.1
1068 $(ROOT)/usr/lib/nss_user.so.1:= REALPATH=../../../../lib/nss_user.so.1

1070 $(ROOT)/lib/$(MACH64)/libposix4.so.1:= \
1071 REALPATH=librt.so.1
1072 $(ROOT)/lib/$(MACH64)/libposix4.so:= \
1073 REALPATH=libposix4.so.1
1074 $(ROOT)/lib/$(MACH64)/llib-lposix4.ln:= \
1075 REALPATH=llib-lrt.ln
1076 $(ROOT)/lib/$(MACH64)/libthread_db.so.1:= \
1077 REALPATH=libc_db.so.1
1078 $(ROOT)/lib/$(MACH64)/libthread_db.so:= \
1079 REALPATH=libc_db.so.1
1080 $(ROOT)/usr/lib/$(MACH64)/ld.so.1:= \
1081 REALPATH=../../../../lib/$(MACH64)/ld.so.1
1082 $(ROOT)/usr/lib/$(MACH64)/libadm.so.1:= \
1083 REALPATH=../../../../lib/$(MACH64)/libadm.so.1
1084 $(ROOT)/usr/lib/$(MACH64)/libadm.so:= \
1085 REALPATH=../../../../lib/$(MACH64)/libadm.so.1
1086 $(ROOT)/usr/lib/$(MACH64)/libaio.so.1:= \
1087 REALPATH=../../../../lib/$(MACH64)/libaio.so.1
1088 $(ROOT)/usr/lib/$(MACH64)/libaio.so:= \
1089 REALPATH=../../../../lib/$(MACH64)/libaio.so.1
1090 $(ROOT)/usr/lib/$(MACH64)/libavl.so.1:= \
1091 REALPATH=../../../../lib/$(MACH64)/libavl.so.1
1092 $(ROOT)/usr/lib/$(MACH64)/libavl.so:= \
1093 REALPATH=../../../../lib/$(MACH64)/libavl.so.1
1094 $(ROOT)/usr/lib/$(MACH64)/libbsm.so.1:= \
1095 REALPATH=../../../../lib/$(MACH64)/libbsm.so.1
1096 $(ROOT)/usr/lib/$(MACH64)/libbsm.so:= \
1097 REALPATH=../../../../lib/$(MACH64)/libbsm.so.1
1098 $(ROOT)/usr/lib/$(MACH64)/libc.so.1:= \
1099 REALPATH=../../../../lib/$(MACH64)/libc.so.1
1100 $(ROOT)/usr/lib/$(MACH64)/libc.so:= \
1101 REALPATH=../../../../lib/$(MACH64)/libc.so.1
1102 $(ROOT)/usr/lib/$(MACH64)/libc_db.so.1:= \
1103 REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1104 $(ROOT)/usr/lib/$(MACH64)/libc_db.so:= \
1105 REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1106 $(ROOT)/usr/lib/$(MACH64)/libcndutils.so.1:= \
1107 REALPATH=../../../../lib/$(MACH64)/libcndutils.so.1
1108 $(ROOT)/usr/lib/$(MACH64)/libcndutils.so:= \
1109 REALPATH=../../../../lib/$(MACH64)/libcndutils.so.1
1110 $(ROOT)/usr/lib/$(MACH64)/libcontract.so.1:= \
1111 REALPATH=../../../../lib/$(MACH64)/libcontract.so.1
1112 $(ROOT)/usr/lib/$(MACH64)/libcontract.so:= \
1113 REALPATH=../../../../lib/$(MACH64)/libcontract.so.1
1114 $(ROOT)/usr/lib/$(MACH64)/libctf.so.1:= \
1115 REALPATH=../../../../lib/$(MACH64)/libctf.so.1
1116 $(ROOT)/usr/lib/$(MACH64)/libctf.so:= \
1117 REALPATH=../../../../lib/$(MACH64)/libctf.so.1

```

```

1118 $(ROOT)/usr/lib/$(MACH64)/libcurses.so.1:= \
1119 REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1120 $(ROOT)/usr/lib/$(MACH64)/libcurses.so:= \
1121 REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1122 $(ROOT)/usr/lib/$(MACH64)/libdevice.so.1:= \
1123 REALPATH=../../../../lib/$(MACH64)/libdevice.so.1
1124 $(ROOT)/usr/lib/$(MACH64)/libdevice.so:= \
1125 REALPATH=../../../../lib/$(MACH64)/libdevice.so.1
1126 $(ROOT)/usr/lib/$(MACH64)/libdevic.so.1:= \
1127 REALPATH=../../../../lib/$(MACH64)/libdevic.so.1
1128 $(ROOT)/usr/lib/$(MACH64)/libdevic.so:= \
1129 REALPATH=../../../../lib/$(MACH64)/libdevic.so.1
1130 $(ROOT)/usr/lib/$(MACH64)/libdevinfo.so.1:= \
1131 REALPATH=../../../../lib/$(MACH64)/libdevinfo.so.1
1132 $(ROOT)/usr/lib/$(MACH64)/libdevinfo.so:= \
1133 REALPATH=../../../../lib/$(MACH64)/libdevinfo.so.1
1134 $(ROOT)/usr/lib/$(MACH64)/libdl.so.1:= \
1135 REALPATH=../../../../lib/$(MACH64)/libdl.so.1
1136 $(ROOT)/usr/lib/$(MACH64)/libdl.so:= \
1137 REALPATH=../../../../lib/$(MACH64)/libdl.so.1
1138 $(ROOT)/usr/lib/$(MACH64)/libdlpi.so.1:= \
1139 REALPATH=../../../../lib/$(MACH64)/libdlpi.so.1
1140 $(ROOT)/usr/lib/$(MACH64)/libdlpi.so:= \
1141 REALPATH=../../../../lib/$(MACH64)/libdlpi.so.1
1142 $(ROOT)/usr/lib/$(MACH64)/libdoor.so.1:= \
1143 REALPATH=../../../../lib/$(MACH64)/libdoor.so.1
1144 $(ROOT)/usr/lib/$(MACH64)/libdoor.so:= \
1145 REALPATH=../../../../lib/$(MACH64)/libdoor.so.1
1146 $(ROOT)/usr/lib/$(MACH64)/libefi.so.1:= \
1147 REALPATH=../../../../lib/$(MACH64)/libefi.so.1
1148 $(ROOT)/usr/lib/$(MACH64)/libefi.so:= \
1149 REALPATH=../../../../lib/$(MACH64)/libefi.so.1
1150 $(ROOT)/usr/lib/$(MACH64)/libelf.so.1:= \
1151 REALPATH=../../../../lib/$(MACH64)/libelf.so.1
1152 $(ROOT)/usr/lib/$(MACH64)/libelf.so:= \
1153 REALPATH=../../../../lib/$(MACH64)/libelf.so.1
1154 $(ROOT)/usr/lib/$(MACH64)/libgen.so.1:= \
1155 REALPATH=../../../../lib/$(MACH64)/libgen.so.1
1156 $(ROOT)/usr/lib/$(MACH64)/libgen.so:= \
1157 REALPATH=../../../../lib/$(MACH64)/libgen.so.1
1158 $(ROOT)/usr/lib/$(MACH64)/libinetutil.so.1:= \
1159 REALPATH=../../../../lib/$(MACH64)/libinetutil.so.1
1160 $(ROOT)/usr/lib/$(MACH64)/libinetutil.so:= \
1161 REALPATH=../../../../lib/$(MACH64)/libinetutil.so.1
1162 $(ROOT)/usr/lib/$(MACH64)/libintl.so.1:= \
1163 REALPATH=../../../../lib/$(MACH64)/libintl.so.1
1164 $(ROOT)/usr/lib/$(MACH64)/libintl.so:= \
1165 REALPATH=../../../../lib/$(MACH64)/libintl.so.1
1166 $(ROOT)/usr/lib/$(MACH64)/libiscsitgt.so.1:= \
1167 REALPATH=../../../../lib/$(MACH64)/libiscsitgt.so.1
1168 $(ROOT)/usr/lib/$(MACH64)/libiscsitgt.so:= \
1169 REALPATH=../../../../lib/$(MACH64)/libiscsitgt.so.1
1170 $(ROOT)/usr/lib/$(MACH64)/libkstat.so.1:= \
1171 REALPATH=../../../../lib/$(MACH64)/libkstat.so.1
1172 $(ROOT)/usr/lib/$(MACH64)/libkstat.so:= \
1173 REALPATH=../../../../lib/$(MACH64)/libkstat.so.1
1174 $(ROOT)/usr/lib/$(MACH64)/liblddbg.so.4:= \
1175 REALPATH=../../../../lib/$(MACH64)/liblddbg.so.4
1176 $(ROOT)/usr/lib/$(MACH64)/libmd.so.1:= \
1177 REALPATH=../../../../lib/$(MACH64)/libmd.so.1
1178 $(ROOT)/usr/lib/$(MACH64)/libmd.so:= \
1179 REALPATH=../../../../lib/$(MACH64)/libmd.so.1
1180 $(ROOT)/usr/lib/$(MACH64)/libmd5.so.1:= \
1181 REALPATH=../../../../lib/$(MACH64)/libmd5.so.1
1182 $(ROOT)/usr/lib/$(MACH64)/libmd5.so:= \
1183 REALPATH=../../../../lib/$(MACH64)/libmd5.so.1

```

```

1184 $(ROOT)/usr/lib/$(MACH64)/libmp.so.2:= \
1185     REALPATH=../../../../lib/$(MACH64)/libmp.so.2
1186 $(ROOT)/usr/lib/$(MACH64)/libmp.so:= \
1187     REALPATH=../../../../lib/$(MACH64)/libmp.so.2
1188 $(ROOT)/usr/lib/$(MACH64)/libnsl.so.1:= \
1189     REALPATH=../../../../lib/$(MACH64)/libnsl.so.1
1190 $(ROOT)/usr/lib/$(MACH64)/libnsl.so:= \
1191     REALPATH=../../../../lib/$(MACH64)/libnsl.so.1
1192 $(ROOT)/usr/lib/$(MACH64)/libnvpair.so.1:= \
1193     REALPATH=../../../../lib/$(MACH64)/libnvpair.so.1
1194 $(ROOT)/usr/lib/$(MACH64)/libnvpair.so:= \
1195     REALPATH=../../../../lib/$(MACH64)/libnvpair.so.1
1196 $(ROOT)/usr/lib/$(MACH64)/libpam.so.1:= \
1197     REALPATH=../../../../lib/$(MACH64)/libpam.so.1
1198 $(ROOT)/usr/lib/$(MACH64)/libpam.so:= \
1199     REALPATH=../../../../lib/$(MACH64)/libpam.so.1
1200 $(ROOT)/usr/lib/$(MACH64)/libposix4.so.1:= \
1201     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1202 $(ROOT)/usr/lib/$(MACH64)/libposix4.so:= \
1203     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1204 $(ROOT)/usr/lib/$(MACH64)/libproc.so.1:= \
1205     REALPATH=../../../../lib/$(MACH64)/libproc.so.1
1206 $(ROOT)/usr/lib/$(MACH64)/libproc.so:= \
1207     REALPATH=../../../../lib/$(MACH64)/libproc.so.1
1208 $(ROOT)/usr/lib/$(MACH64)/libpthread.so.1:= \
1209     REALPATH=../../../../lib/$(MACH64)/libpthread.so.1
1210 $(ROOT)/usr/lib/$(MACH64)/libpthread.so:= \
1211     REALPATH=../../../../lib/$(MACH64)/libpthread.so.1
1212 $(ROOT)/usr/lib/$(MACH64)/libresolv.so.2:= \
1213     REALPATH=../../../../lib/$(MACH64)/libresolv.so.2
1214 $(ROOT)/usr/lib/$(MACH64)/libresolv.so:= \
1215     REALPATH=../../../../lib/$(MACH64)/libresolv.so.2
1216 $(ROOT)/usr/lib/$(MACH64)/librestart.so.1:= \
1217     REALPATH=../../../../lib/$(MACH64)/librestart.so.1
1218 $(ROOT)/usr/lib/$(MACH64)/librestart.so:= \
1219     REALPATH=../../../../lib/$(MACH64)/librestart.so.1
1220 $(ROOT)/usr/lib/$(MACH64)/librpcsvc.so.1:= \
1221     REALPATH=../../../../lib/$(MACH64)/librpcsvc.so.1
1222 $(ROOT)/usr/lib/$(MACH64)/librpcsvc.so:= \
1223     REALPATH=../../../../lib/$(MACH64)/librpcsvc.so.1
1224 $(ROOT)/usr/lib/$(MACH64)/librt.so.1:= \
1225     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1226 $(ROOT)/usr/lib/$(MACH64)/librt.so:= \
1227     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1228 $(ROOT)/usr/lib/$(MACH64)/librtld.so.1:= \
1229     REALPATH=../../../../lib/$(MACH64)/librtld.so.1
1230 $(ROOT)/usr/lib/$(MACH64)/librtld_db.so.1:= \
1231     REALPATH=../../../../lib/$(MACH64)/librtld_db.so.1
1232 $(ROOT)/usr/lib/$(MACH64)/librtld_db.so:= \
1233     REALPATH=../../../../lib/$(MACH64)/librtld_db.so.1
1234 $(ROOT)/usr/lib/$(MACH64)/libscf.so.1:= \
1235     REALPATH=../../../../lib/$(MACH64)/libscf.so.1
1236 $(ROOT)/usr/lib/$(MACH64)/libscf.so:= \
1237     REALPATH=../../../../lib/$(MACH64)/libscf.so.1
1238 $(ROOT)/usr/lib/$(MACH64)/libsec.so.1:= \
1239     REALPATH=../../../../lib/$(MACH64)/libsec.so.1
1240 $(ROOT)/usr/lib/$(MACH64)/libsec.so:= \
1241     REALPATH=../../../../lib/$(MACH64)/libsec.so.1
1242 $(ROOT)/usr/lib/$(MACH64)/libsecdb.so.1:= \
1243     REALPATH=../../../../lib/$(MACH64)/libsecdb.so.1
1244 $(ROOT)/usr/lib/$(MACH64)/libsecdb.so:= \
1245     REALPATH=../../../../lib/$(MACH64)/libsecdb.so.1
1246 $(ROOT)/usr/lib/$(MACH64)/libsendfile.so.1:= \
1247     REALPATH=../../../../lib/$(MACH64)/libsendfile.so.1
1248 $(ROOT)/usr/lib/$(MACH64)/libsendfile.so:= \
1249     REALPATH=../../../../lib/$(MACH64)/libsendfile.so.1

```

```

1250 $(ROOT)/usr/lib/$(MACH64)/libsocket.so.1:= \
1251     REALPATH=../../../../lib/$(MACH64)/libsocket.so.1
1252 $(ROOT)/usr/lib/$(MACH64)/libsocket.so:= \
1253     REALPATH=../../../../lib/$(MACH64)/libsocket.so.1
1254 $(ROOT)/usr/lib/$(MACH64)/libsysevent.so.1:= \
1255     REALPATH=../../../../lib/$(MACH64)/libsysevent.so.1
1256 $(ROOT)/usr/lib/$(MACH64)/libsysevent.so:= \
1257     REALPATH=../../../../lib/$(MACH64)/libsysevent.so.1
1258 $(ROOT)/usr/lib/$(MACH64)/libtermcap.so.1:= \
1259     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1260 $(ROOT)/usr/lib/$(MACH64)/libtermcap.so:= \
1261     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1262 $(ROOT)/usr/lib/$(MACH64)/libtermib.so.1:= \
1263     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1264 $(ROOT)/usr/lib/$(MACH64)/libtermib.so:= \
1265     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1266 $(ROOT)/usr/lib/$(MACH64)/libthread.so.1:= \
1267     REALPATH=../../../../lib/$(MACH64)/libthread.so.1
1268 $(ROOT)/usr/lib/$(MACH64)/libthread.so:= \
1269     REALPATH=../../../../lib/$(MACH64)/libthread.so.1
1270 $(ROOT)/usr/lib/$(MACH64)/libthread_db.so.1:= \
1271     REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1272 $(ROOT)/usr/lib/$(MACH64)/libthread_db.so:= \
1273     REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1274 $(ROOT)/usr/lib/$(MACH64)/libtsnet.so.1:= \
1275     REALPATH=../../../../lib/$(MACH64)/libtsnet.so.1
1276 $(ROOT)/usr/lib/$(MACH64)/libtsnet.so:= \
1277     REALPATH=../../../../lib/$(MACH64)/libtsnet.so.1
1278 $(ROOT)/usr/lib/$(MACH64)/libtsol.so.2:= \
1279     REALPATH=../../../../lib/$(MACH64)/libtsol.so.2
1280 $(ROOT)/usr/lib/$(MACH64)/libtsol.so:= \
1281     REALPATH=../../../../lib/$(MACH64)/libtsol.so.2
1282 $(ROOT)/usr/lib/$(MACH64)/libumem.so.1:= \
1283     REALPATH=../../../../lib/$(MACH64)/libumem.so.1
1284 $(ROOT)/usr/lib/$(MACH64)/libumem.so:= \
1285     REALPATH=../../../../lib/$(MACH64)/libumem.so.1
1286 $(ROOT)/usr/lib/$(MACH64)/libuuid.so.1:= \
1287     REALPATH=../../../../lib/$(MACH64)/libuuid.so.1
1288 $(ROOT)/usr/lib/$(MACH64)/libuuid.so:= \
1289     REALPATH=../../../../lib/$(MACH64)/libuuid.so.1
1290 $(ROOT)/usr/lib/$(MACH64)/libuutil.so.1:= \
1291     REALPATH=../../../../lib/$(MACH64)/libuutil.so.1
1292 $(ROOT)/usr/lib/$(MACH64)/libuutil.so:= \
1293     REALPATH=../../../../lib/$(MACH64)/libuutil.so.1
1294 $(ROOT)/usr/lib/$(MACH64)/libw.so.1:= \
1295     REALPATH=../../../../lib/$(MACH64)/libw.so.1
1296 $(ROOT)/usr/lib/$(MACH64)/libw.so:= \
1297     REALPATH=../../../../lib/$(MACH64)/libw.so.1
1298 $(ROOT)/usr/lib/$(MACH64)/libxnet.so.1:= \
1299     REALPATH=../../../../lib/$(MACH64)/libxnet.so.1
1300 $(ROOT)/usr/lib/$(MACH64)/libxnet.so:= \
1301     REALPATH=../../../../lib/$(MACH64)/libxnet.so.1
1302 $(ROOT)/usr/lib/$(MACH64)/libzfs.so:= \
1303     REALPATH=../../../../lib/$(MACH64)/libzfs.so.1
1304 $(ROOT)/usr/lib/$(MACH64)/libzfs.so.1:= \
1305     REALPATH=../../../../lib/$(MACH64)/libzfs.so.1
1306 $(ROOT)/usr/lib/$(MACH64)/llib-ladm.ln:= \
1307     REALPATH=../../../../lib/$(MACH64)/llib-ladm.ln
1308 $(ROOT)/usr/lib/$(MACH64)/llib-laio.ln:= \
1309     REALPATH=../../../../lib/$(MACH64)/llib-laio.ln
1310 $(ROOT)/usr/lib/$(MACH64)/llib-lavl.ln:= \
1311     REALPATH=../../../../lib/$(MACH64)/llib-lavl.ln
1312 $(ROOT)/usr/lib/$(MACH64)/llib-lbsm.ln:= \
1313     REALPATH=../../../../lib/$(MACH64)/llib-lbsm.ln
1314 $(ROOT)/usr/lib/$(MACH64)/llib-lc.ln:= \
1315     REALPATH=../../../../lib/$(MACH64)/llib-lc.ln

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1316 $(ROOT)/usr/lib/$(MACH64)/llib-lcmdutils.ln:= \
1317     REALPATH=../../../../lib/$(MACH64)/llib-lcmdutils.ln
1318 $(ROOT)/usr/lib/$(MACH64)/llib-lcontract.ln:= \
1319     REALPATH=../../../../lib/$(MACH64)/llib-lcontract.ln
1320 $(ROOT)/usr/lib/$(MACH64)/llib-lctf.ln:= \
1321     REALPATH=../../../../lib/$(MACH64)/llib-lctf.ln
1322 $(ROOT)/usr/lib/$(MACH64)/llib-lcurses.ln:= \
1323     REALPATH=../../../../lib/$(MACH64)/llib-lcurses.ln
1324 $(ROOT)/usr/lib/$(MACH64)/llib-lcurses:= \
1325     REALPATH=../../../../lib/$(MACH64)/llib-lcurses
1326 $(ROOT)/usr/lib/$(MACH64)/llib-ldevice.ln:= \
1327     REALPATH=../../../../lib/$(MACH64)/llib-ldevice.ln
1328 $(ROOT)/usr/lib/$(MACH64)/llib-ldevid.ln:= \
1329     REALPATH=../../../../lib/$(MACH64)/llib-ldevid.ln
1330 $(ROOT)/usr/lib/$(MACH64)/llib-ldevinfo.ln:= \
1331     REALPATH=../../../../lib/$(MACH64)/llib-ldevinfo.ln
1332 $(ROOT)/usr/lib/$(MACH64)/llib-ldl.ln:= \
1333     REALPATH=../../../../lib/$(MACH64)/llib-ldl.ln
1334 $(ROOT)/usr/lib/$(MACH64)/llib-ldoor.ln:= \
1335     REALPATH=../../../../lib/$(MACH64)/llib-ldoor.ln
1336 $(ROOT)/usr/lib/$(MACH64)/llib-lefi.ln:= \
1337     REALPATH=../../../../lib/$(MACH64)/llib-lefi.ln
1338 $(ROOT)/usr/lib/$(MACH64)/llib-lelf.ln:= \
1339     REALPATH=../../../../lib/$(MACH64)/llib-lelf.ln
1340 $(ROOT)/usr/lib/$(MACH64)/llib-lgen.ln:= \
1341     REALPATH=../../../../lib/$(MACH64)/llib-lgen.ln
1342 $(ROOT)/usr/lib/$(MACH64)/llib-linetutil.ln:= \
1343     REALPATH=../../../../lib/$(MACH64)/llib-linetutil.ln
1344 $(ROOT)/usr/lib/$(MACH64)/llib-lintl.ln:= \
1345     REALPATH=../../../../lib/$(MACH64)/llib-lintl.ln
1346 $(ROOT)/usr/lib/$(MACH64)/llib-lkstat.ln:= \
1347     REALPATH=../../../../lib/$(MACH64)/llib-lkstat.ln
1348 $(ROOT)/usr/lib/$(MACH64)/llib-lmd5.ln:= \
1349     REALPATH=../../../../lib/$(MACH64)/llib-lmd5.ln
1350 $(ROOT)/usr/lib/$(MACH64)/llib-lns1.ln:= \
1351     REALPATH=../../../../lib/$(MACH64)/llib-lns1.ln
1352 $(ROOT)/usr/lib/$(MACH64)/llib-lnvpair.ln:= \
1353     REALPATH=../../../../lib/$(MACH64)/llib-lnvpair.ln
1354 $(ROOT)/usr/lib/$(MACH64)/llib-lpam.ln:= \
1355     REALPATH=../../../../lib/$(MACH64)/llib-lpam.ln
1356 $(ROOT)/usr/lib/$(MACH64)/llib-lposix4.ln:= \
1357     REALPATH=../../../../lib/$(MACH64)/llib-lrt.ln
1358 $(ROOT)/usr/lib/$(MACH64)/llib-lpthread.ln:= \
1359     REALPATH=../../../../lib/$(MACH64)/llib-lpthread.ln
1360 $(ROOT)/usr/lib/$(MACH64)/llib-lresolv.ln:= \
1361     REALPATH=../../../../lib/$(MACH64)/llib-lresolv.ln
1362 $(ROOT)/usr/lib/$(MACH64)/llib-lrpcsvc.ln:= \
1363     REALPATH=../../../../lib/$(MACH64)/llib-lrpcsvc.ln
1364 $(ROOT)/usr/lib/$(MACH64)/llib-lrt.ln:= \
1365     REALPATH=../../../../lib/$(MACH64)/llib-lrt.ln
1366 $(ROOT)/usr/lib/$(MACH64)/llib-lrtld_db.ln:= \
1367     REALPATH=../../../../lib/$(MACH64)/llib-lrtld_db.ln
1368 $(ROOT)/usr/lib/$(MACH64)/llib-lscf.ln:= \
1369     REALPATH=../../../../lib/$(MACH64)/llib-lscf.ln
1370 $(ROOT)/usr/lib/$(MACH64)/llib-lsec.ln:= \
1371     REALPATH=../../../../lib/$(MACH64)/llib-lsec.ln
1372 $(ROOT)/usr/lib/$(MACH64)/llib-lsecdb.ln:= \
1373     REALPATH=../../../../lib/$(MACH64)/llib-lsecdb.ln
1374 $(ROOT)/usr/lib/$(MACH64)/llib-lsendfile.ln:= \
1375     REALPATH=../../../../lib/$(MACH64)/llib-lsendfile.ln
1376 $(ROOT)/usr/lib/$(MACH64)/llib-lsocket.ln:= \
1377     REALPATH=../../../../lib/$(MACH64)/llib-lsocket.ln
1378 $(ROOT)/usr/lib/$(MACH64)/llib-lsysevent.ln:= \
1379     REALPATH=../../../../lib/$(MACH64)/llib-lsysevent.ln
1380 $(ROOT)/usr/lib/$(MACH64)/llib-ltermcap.ln:= \
1381     REALPATH=../../../../lib/$(MACH64)/llib-lcurses.ln

```

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1382 $(ROOT)/usr/lib/$(MACH64)/llib-ltermcap:= \
1383     REALPATH=../../../../lib/$(MACH64)/llib-lcurses
1384 $(ROOT)/usr/lib/$(MACH64)/llib-ltermliib.ln:= \
1385     REALPATH=../../../../lib/$(MACH64)/llib-lcurses.ln
1386 $(ROOT)/usr/lib/$(MACH64)/llib-ltermliib:= \
1387     REALPATH=../../../../lib/$(MACH64)/llib-lcurses
1388 $(ROOT)/usr/lib/$(MACH64)/llib-lthread.ln:= \
1389     REALPATH=../../../../lib/$(MACH64)/llib-lthread.ln
1390 $(ROOT)/usr/lib/$(MACH64)/llib-lthread_db.ln:= \
1391     REALPATH=../../../../lib/$(MACH64)/llib-lc_db.ln
1392 $(ROOT)/usr/lib/$(MACH64)/llib-ltsnet.ln:= \
1393     REALPATH=../../../../lib/$(MACH64)/llib-ltsnet.ln
1394 $(ROOT)/usr/lib/$(MACH64)/llib-ltsol.ln:= \
1395     REALPATH=../../../../lib/$(MACH64)/llib-ltsol.ln
1396 $(ROOT)/usr/lib/$(MACH64)/llib-lumem.ln:= \
1397     REALPATH=../../../../lib/$(MACH64)/llib-lumem.ln
1398 $(ROOT)/usr/lib/$(MACH64)/llib-luuid.ln:= \
1399     REALPATH=../../../../lib/$(MACH64)/llib-luuid.ln
1400 $(ROOT)/usr/lib/$(MACH64)/llib-lxnet.ln:= \
1401     REALPATH=../../../../lib/$(MACH64)/llib-lxnet.ln
1402 $(ROOT)/usr/lib/$(MACH64)/llib-lzfs.ln:= \
1403     REALPATH=../../../../lib/$(MACH64)/llib-lzfs.ln
1404 $(ROOT)/usr/lib/$(MACH64)/nss_compat.so.1:= \
1405     REALPATH=../../../../lib/$(MACH64)/nss_compat.so.1
1406 $(ROOT)/usr/lib/$(MACH64)/nss_dns.so.1:= \
1407     REALPATH=../../../../lib/$(MACH64)/nss_dns.so.1
1408 $(ROOT)/usr/lib/$(MACH64)/nss_files.so.1:= \
1409     REALPATH=../../../../lib/$(MACH64)/nss_files.so.1
1410 $(ROOT)/usr/lib/$(MACH64)/nss_nis.so.1:= \
1411     REALPATH=../../../../lib/$(MACH64)/nss_nis.so.1
1412 $(ROOT)/usr/lib/$(MACH64)/nss_nisplus.so.1:= \
1413     REALPATH=../../../../lib/$(MACH64)/nss_nisplus.so.1
1414 $(ROOT)/usr/lib/$(MACH64)/nss_user.so.1:= \
1415     REALPATH=../../../../lib/$(MACH64)/nss_user.so.1

1417 SYM.USRLIB= \
1418     /lib/libposix4.so \
1419     /lib/libposix4.so.1 \
1420     /lib/llib-lposix4 \
1421     /lib/llib-lposix4.ln \
1422     /lib/libthread_db.so \
1423     /lib/libthread_db.so.1 \
1424     /usr/lib/ld.so.1 \
1425     /usr/lib/libadm.so \
1426     /usr/lib/libadm.so.1 \
1427     /usr/lib/libaio.so \
1428     /usr/lib/libaio.so.1 \
1429     /usr/lib/libavl.so \
1430     /usr/lib/libavl.so.1 \
1431     /usr/lib/libbsm.so \
1432     /usr/lib/libbsm.so.1 \
1433     /usr/lib/libc.so \
1434     /usr/lib/libc.so.1 \
1435     /usr/lib/libc_db.so \
1436     /usr/lib/libc_db.so.1 \
1437     /usr/lib/libcmdutils.so \
1438     /usr/lib/libcmdutils.so.1 \
1439     /usr/lib/libcontract.so \
1440     /usr/lib/libcontract.so.1 \
1441     /usr/lib/libctf.so \
1442     /usr/lib/libctf.so.1 \
1443     /usr/lib/libcurses.so \
1444     /usr/lib/libcurses.so.1 \
1445     /usr/lib/libdevice.so \
1446     /usr/lib/libdevice.so.1 \
1447     /usr/lib/libdevid.so \

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1448 /usr/lib/libdevid.so.1 \
 1449 /usr/lib/libdevinfo.so \
 1450 /usr/lib/libdevinfo.so.1 \
 1451 /usr/lib/libdhcpcagent.so \
 1452 /usr/lib/libdhcpcagent.so.1 \
 1453 /usr/lib/libdhcputil.so \
 1454 /usr/lib/libdhcputil.so.1 \
 1455 /usr/lib/libdl.so \
 1456 /usr/lib/libdl.so.1 \
 1457 /usr/lib/libdmpi.so \
 1458 /usr/lib/libdmpi.so.1 \
 1459 /usr/lib/libdoor.so \
 1460 /usr/lib/libdoor.so.1 \
 1461 /usr/lib/libefi.so \
 1462 /usr/lib/libefi.so.1 \
 1463 /usr/lib/libelf.so \
 1464 /usr/lib/libelf.so.1 \
 1465 /usr/lib/libgen.so \
 1466 /usr/lib/libgen.so.1 \
 1467 /usr/lib/libinetcfg.so \
 1468 /usr/lib/libinetcfg.so.1 \
 1469 /usr/lib/libinetutil.so \
 1470 /usr/lib/libinetutil.so.1 \
 1471 /usr/lib/libintl.so \
 1472 /usr/lib/libintl.so.1 \
 1473 /usr/lib/libiscsitgt.so \
 1474 /usr/lib/libiscsitgt.so.1 \
 1475 /usr/lib/libkstat.so \
 1476 /usr/lib/libkstat.so.1 \
 1477 /usr/lib/liblddbg.so.4 \
 1478 /usr/lib/libmd.so \
 1479 /usr/lib/libmd.so.1 \
 1480 /usr/lib/libmd5.so \
 1481 /usr/lib/libmd5.so.1 \
 1482 /usr/lib/libmeta.so \
 1483 /usr/lib/libmeta.so.1 \
 1484 /usr/lib/libmp.so \
 1485 /usr/lib/libmp.so.1 \
 1486 /usr/lib/libmp.so.2 \
 1487 /usr/lib/libnsl.so \
 1488 /usr/lib/libnsl.so.1 \
 1489 /usr/lib/libnvpair.so \
 1490 /usr/lib/libnvpair.so.1 \
 1491 /usr/lib/libpam.so \
 1492 /usr/lib/libpam.so.1 \
 1493 /usr/lib/libposix4.so \
 1494 /usr/lib/libposix4.so.1 \
 1495 /usr/lib/libproc.so \
 1496 /usr/lib/libproc.so.1 \
 1497 /usr/lib/libpthread.so \
 1498 /usr/lib/libpthread.so.1 \
 1499 /usr/lib/libresolv.so \
 1500 /usr/lib/libresolv.so.1 \
 1501 /usr/lib/libresolv.so.2 \
 1502 /usr/lib/librestart.so \
 1503 /usr/lib/librestart.so.1 \
 1504 /usr/lib/librpcsvc.so \
 1505 /usr/lib/librpcsvc.so.1 \
 1506 /usr/lib/librt.so \
 1507 /usr/lib/librt.so.1 \
 1508 /usr/lib/librtld.so.1 \
 1509 /usr/lib/librtld_db.so \
 1510 /usr/lib/librtld_db.so.1 \
 1511 /usr/lib/libscf.so \
 1512 /usr/lib/libscf.so.1 \
 1513 /usr/lib/libsec.so

1514 /usr/lib/libsec.so.1 \
 1515 /usr/lib/libsecdb.so \
 1516 /usr/lib/libsecdb.so.1 \
 1517 /usr/lib/libsendfile.so \
 1518 /usr/lib/libsendfile.so.1 \
 1519 /usr/lib/libsocket.so \
 1520 /usr/lib/libsocket.so.1 \
 1521 /usr/lib/libsysevent.so \
 1522 /usr/lib/libsysevent.so.1 \
 1523 /usr/lib/libtermcap.so \
 1524 /usr/lib/libtermcap.so.1 \
 1525 /usr/lib/libtermplib.so \
 1526 /usr/lib/libtermplib.so.1 \
 1527 /usr/lib/libthread.so \
 1528 /usr/lib/libthread.so.1 \
 1529 /usr/lib/libthread_db.so \
 1530 /usr/lib/libthread_db.so.1 \
 1531 /usr/lib/libtsnet.so \
 1532 /usr/lib/libtsnet.so.1 \
 1533 /usr/lib/libtsol.so \
 1534 /usr/lib/libtsol.so.2 \
 1535 /usr/lib/libumem.so \
 1536 /usr/lib/libumem.so.1 \
 1537 /usr/lib/libuuid.so \
 1538 /usr/lib/libuuid.so.1 \
 1539 /usr/lib/libuutil.so \
 1540 /usr/lib/libuutil.so.1 \
 1541 /usr/lib/libw.so \
 1542 /usr/lib/libw.so.1 \
 1543 /usr/lib/libxnet.so \
 1544 /usr/lib/libxnet.so.1 \
 1545 /usr/lib/libzfs.so \
 1546 /usr/lib/libzfs.so.1 \
 1547 /usr/lib/llib-ladm \
 1548 /usr/lib/llib-ladm.ln \
 1549 /usr/lib/llib-laio \
 1550 /usr/lib/llib-laio.ln \
 1551 /usr/lib/llib-lavl \
 1552 /usr/lib/llib-lavl.ln \
 1553 /usr/lib/llib-lbsm \
 1554 /usr/lib/llib-lbsm.ln \
 1555 /usr/lib/llib-lc \
 1556 /usr/lib/llib-lc.ln \
 1557 /usr/lib/llib-lcmdutils \
 1558 /usr/lib/llib-lcmdutils.ln \
 1559 /usr/lib/llib-lcontract \
 1560 /usr/lib/llib-lcontract.ln \
 1561 /usr/lib/llib-lctf \
 1562 /usr/lib/llib-lctf.ln \
 1563 /usr/lib/llib-lcurses \
 1564 /usr/lib/llib-lcurses.ln \
 1565 /usr/lib/llib-ldevice \
 1566 /usr/lib/llib-ldevice.ln \
 1567 /usr/lib/llib-ldevid \
 1568 /usr/lib/llib-ldevid.ln \
 1569 /usr/lib/llib-ldevinfo \
 1570 /usr/lib/llib-ldevinfo.ln \
 1571 /usr/lib/llib-ldhcpcagent \
 1572 /usr/lib/llib-ldhcpcagent.ln \
 1573 /usr/lib/llib-ldhcputil \
 1574 /usr/lib/llib-ldhcputil.ln \
 1575 /usr/lib/llib-ldl \
 1576 /usr/lib/llib-ldl.ln \
 1577 /usr/lib/llib-ldoor \
 1578 /usr/lib/llib-ldoor.ln \
 1579 /usr/lib/llib-lefi

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1580 /usr/lib/llib-lefi.ln \
1581 /usr/lib/llib-lelf \
1582 /usr/lib/llib-lelf.ln \
1583 /usr/lib/llib-lgen \
1584 /usr/lib/llib-lgen.ln \
1585 /usr/lib/llib-linetcfg \
1586 /usr/lib/llib-linetcfg.ln \
1587 /usr/lib/llib-linetutil \
1588 /usr/lib/llib-linetutil.ln \
1589 /usr/lib/llib-lintl \
1590 /usr/lib/llib-lintl.ln \
1591 /usr/lib/llib-lkstat \
1592 /usr/lib/llib-lkstat.ln \
1593 /usr/lib/llib-lmd5 \
1594 /usr/lib/llib-lmd5.ln \
1595 /usr/lib/llib-lmeta \
1596 /usr/lib/llib-lmeta.ln \
1597 /usr/lib/llib-lnsl \
1598 /usr/lib/llib-lnsl.ln \
1599 /usr/lib/llib-lnvpair \
1600 /usr/lib/llib-lnvpair.ln \
1601 /usr/lib/llib-lpam \
1602 /usr/lib/llib-lpam.ln \
1603 /usr/lib/llib-lposix4 \
1604 /usr/lib/llib-lposix4.ln \
1605 /usr/lib/llib-lpthread \
1606 /usr/lib/llib-lpthread.ln \
1607 /usr/lib/llib-lresolv \
1608 /usr/lib/llib-lresolv.ln \
1609 /usr/lib/llib-lrpcsvc \
1610 /usr/lib/llib-lrpcsvc.ln \
1611 /usr/lib/llib-lrt \
1612 /usr/lib/llib-lrt.ln \
1613 /usr/lib/llib-lrtld_db \
1614 /usr/lib/llib-lrtld_db.ln \
1615 /usr/lib/llib-lscf \
1616 /usr/lib/llib-lscf.ln \
1617 /usr/lib/llib-lsec \
1618 /usr/lib/llib-lsec.ln \
1619 /usr/lib/llib-lsecdb \
1620 /usr/lib/llib-lsecdb.ln \
1621 /usr/lib/llib-lsendfile \
1622 /usr/lib/llib-lsendfile.ln \
1623 /usr/lib/llib-lsocket \
1624 /usr/lib/llib-lsocket.ln \
1625 /usr/lib/llib-lsysevent \
1626 /usr/lib/llib-lsysevent.ln \
1627 /usr/lib/llib-ltermcap \
1628 /usr/lib/llib-ltermcap.ln \
1629 /usr/lib/llib-ltermplib \
1630 /usr/lib/llib-ltermplib.ln \
1631 /usr/lib/llib-lthread \
1632 /usr/lib/llib-lthread.ln \
1633 /usr/lib/llib-lthread_db \
1634 /usr/lib/llib-lthread_db.ln \
1635 /usr/lib/llib-ltsnet \
1636 /usr/lib/llib-ltsnet.ln \
1637 /usr/lib/llib-ltsol \
1638 /usr/lib/llib-ltsol.ln \
1639 /usr/lib/llib-lumem \
1640 /usr/lib/llib-lumem.ln \
1641 /usr/lib/llib-luuid \
1642 /usr/lib/llib-luuid.ln \
1643 /usr/lib/llib-lxnet \
1644 /usr/lib/llib-lxnet.ln \
1645 /usr/lib/llib-lzfs \

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```

1646 /usr/lib/llib-lzfs.ln \
1647 /usr/lib/nss_compat.so.1 \
1648 /usr/lib/nss_dns.so.1 \
1649 /usr/lib/nss_files.so.1 \
1650 /usr/lib/nss_nis.so.1 \
1651 /usr/lib/nss_nisplus.so.1 \
1652 /usr/lib/nss_user.so.1

1654 sparcv9_SYM.USRLIB64=

1656 amd64_SYM.USRLIB64=

1658 SYM.USRLIB64= \
1659  ${$(MACH64)_SYM.USRLIB64} \
1660  /lib/$(MACH64)/libposix4.so \
1661  /lib/$(MACH64)/libposix4.so.1 \
1662  /lib/$(MACH64)/llib-lposix4.ln \
1663  /lib/$(MACH64)/libthread_db.so \
1664  /lib/$(MACH64)/libthread_db.so.1 \
1665  /usr/lib/$(MACH64)/ld.so.1 \
1666  /usr/lib/$(MACH64)/libadm.so \
1667  /usr/lib/$(MACH64)/libadm.so.1 \
1668  /usr/lib/$(MACH64)/libaio.so \
1669  /usr/lib/$(MACH64)/libaio.so.1 \
1670  /usr/lib/$(MACH64)/libavl.so \
1671  /usr/lib/$(MACH64)/libavl.so.1 \
1672  /usr/lib/$(MACH64)/libbsm.so \
1673  /usr/lib/$(MACH64)/libbsm.so.1 \
1674  /usr/lib/$(MACH64)/libc.so \
1675  /usr/lib/$(MACH64)/libc.so.1 \
1676  /usr/lib/$(MACH64)/libc_db.so \
1677  /usr/lib/$(MACH64)/libc_db.so.1 \
1678  /usr/lib/$(MACH64)/libcmdutils.so \
1679  /usr/lib/$(MACH64)/libcmdutils.so.1 \
1680  /usr/lib/$(MACH64)/libcontract.so \
1681  /usr/lib/$(MACH64)/libcontract.so.1 \
1682  /usr/lib/$(MACH64)/libctf.so \
1683  /usr/lib/$(MACH64)/libctf.so.1 \
1684  /usr/lib/$(MACH64)/libcurses.so \
1685  /usr/lib/$(MACH64)/libcurses.so.1 \
1686  /usr/lib/$(MACH64)/libdevice.so \
1687  /usr/lib/$(MACH64)/libdevice.so.1 \
1688  /usr/lib/$(MACH64)/libdevvid.so \
1689  /usr/lib/$(MACH64)/libdevvid.so.1 \
1690  /usr/lib/$(MACH64)/libdevinfo.so \
1691  /usr/lib/$(MACH64)/libdevinfo.so.1 \
1692  /usr/lib/$(MACH64)/libdl.so \
1693  /usr/lib/$(MACH64)/libdl.so.1 \
1694  /usr/lib/$(MACH64)/libdlpi.so \
1695  /usr/lib/$(MACH64)/libdlpi.so.1 \
1696  /usr/lib/$(MACH64)/libdoor.so \
1697  /usr/lib/$(MACH64)/libdoor.so.1 \
1698  /usr/lib/$(MACH64)/libefi.so \
1699  /usr/lib/$(MACH64)/libefi.so.1 \
1700  /usr/lib/$(MACH64)/libelf.so \
1701  /usr/lib/$(MACH64)/libelf.so.1 \
1702  /usr/lib/$(MACH64)/libgen.so \
1703  /usr/lib/$(MACH64)/libgen.so.1 \
1704  /usr/lib/$(MACH64)/libinetutil.so \
1705  /usr/lib/$(MACH64)/libinetutil.so.1 \
1706  /usr/lib/$(MACH64)/libintl.so \
1707  /usr/lib/$(MACH64)/libintl.so.1 \
1708  /usr/lib/$(MACH64)/libiscsitgt.so \
1709  /usr/lib/$(MACH64)/libiscsitgt.so.1 \
1710  /usr/lib/$(MACH64)/libkstat.so \
1711  /usr/lib/$(MACH64)/libkstat.so.1 \

```

```

1712 /usr/lib/$(MACH64)/liblddbg.so.4 \
1713 /usr/lib/$(MACH64)/libmd.so \
1714 /usr/lib/$(MACH64)/libmd.so.1 \
1715 /usr/lib/$(MACH64)/libmd5.so \
1716 /usr/lib/$(MACH64)/libmd5.so.1 \
1717 /usr/lib/$(MACH64)/libmp.so \
1718 /usr/lib/$(MACH64)/libmp.so.2 \
1719 /usr/lib/$(MACH64)/libnsl.so \
1720 /usr/lib/$(MACH64)/libnsl.so.1 \
1721 /usr/lib/$(MACH64)/libnvpair.so \
1722 /usr/lib/$(MACH64)/libnvpair.so.1 \
1723 /usr/lib/$(MACH64)/libpam.so \
1724 /usr/lib/$(MACH64)/libpam.so.1 \
1725 /usr/lib/$(MACH64)/libposix4.so \
1726 /usr/lib/$(MACH64)/libposix4.so.1 \
1727 /usr/lib/$(MACH64)/libproc.so \
1728 /usr/lib/$(MACH64)/libproc.so.1 \
1729 /usr/lib/$(MACH64)/libpthread.so \
1730 /usr/lib/$(MACH64)/libpthread.so.1 \
1731 /usr/lib/$(MACH64)/libresolv.so \
1732 /usr/lib/$(MACH64)/libresolv.so.2 \
1733 /usr/lib/$(MACH64)/librestart.so \
1734 /usr/lib/$(MACH64)/librestart.so.1 \
1735 /usr/lib/$(MACH64)/librpcsvc.so \
1736 /usr/lib/$(MACH64)/librpcsvc.so.1 \
1737 /usr/lib/$(MACH64)/librt.so \
1738 /usr/lib/$(MACH64)/librt.so.1 \
1739 /usr/lib/$(MACH64)/librtld.so.1 \
1740 /usr/lib/$(MACH64)/librtld_db.so \
1741 /usr/lib/$(MACH64)/librtld_db.so.1 \
1742 /usr/lib/$(MACH64)/libscf.so \
1743 /usr/lib/$(MACH64)/libscf.so.1 \
1744 /usr/lib/$(MACH64)/libsec.so \
1745 /usr/lib/$(MACH64)/libsec.so.1 \
1746 /usr/lib/$(MACH64)/libsecdb.so \
1747 /usr/lib/$(MACH64)/libsecdb.so.1 \
1748 /usr/lib/$(MACH64)/libsendfile.so \
1749 /usr/lib/$(MACH64)/libsendfile.so.1 \
1750 /usr/lib/$(MACH64)/libsocket.so \
1751 /usr/lib/$(MACH64)/libsocket.so.1 \
1752 /usr/lib/$(MACH64)/libsysevent.so \
1753 /usr/lib/$(MACH64)/libsysevent.so.1 \
1754 /usr/lib/$(MACH64)/libtermcap.so \
1755 /usr/lib/$(MACH64)/libtermcap.so.1 \
1756 /usr/lib/$(MACH64)/libtermplib.so \
1757 /usr/lib/$(MACH64)/libtermplib.so.1 \
1758 /usr/lib/$(MACH64)/libthread.so \
1759 /usr/lib/$(MACH64)/libthread.so.1 \
1760 /usr/lib/$(MACH64)/libthread_db.so \
1761 /usr/lib/$(MACH64)/libthread_db.so.1 \
1762 /usr/lib/$(MACH64)/libtsnet.so \
1763 /usr/lib/$(MACH64)/libtsnet.so.1 \
1764 /usr/lib/$(MACH64)/libtsol.so \
1765 /usr/lib/$(MACH64)/libtsol.so.2 \
1766 /usr/lib/$(MACH64)/libumem.so \
1767 /usr/lib/$(MACH64)/libumem.so.1 \
1768 /usr/lib/$(MACH64)/libuuid.so \
1769 /usr/lib/$(MACH64)/libuuid.so.1 \
1770 /usr/lib/$(MACH64)/libuutil.so \
1771 /usr/lib/$(MACH64)/libuutil.so.1 \
1772 /usr/lib/$(MACH64)/libw.so \
1773 /usr/lib/$(MACH64)/libw.so.1 \
1774 /usr/lib/$(MACH64)/libxnet.so \
1775 /usr/lib/$(MACH64)/libxnet.so.1 \
1776 /usr/lib/$(MACH64)/libzfs.so \
1777 /usr/lib/$(MACH64)/libzfs.so.1 \

```

```

1778 /usr/lib/$(MACH64)/llib-ladm.ln \
1779 /usr/lib/$(MACH64)/llib-laio.ln \
1780 /usr/lib/$(MACH64)/llib-lavl.ln \
1781 /usr/lib/$(MACH64)/llib-lbsm.ln \
1782 /usr/lib/$(MACH64)/llib-lc.ln \
1783 /usr/lib/$(MACH64)/llib-lcmdutils.ln \
1784 /usr/lib/$(MACH64)/llib-lcontract.ln \
1785 /usr/lib/$(MACH64)/llib-lctf.ln \
1786 /usr/lib/$(MACH64)/llib-lcurses \
1787 /usr/lib/$(MACH64)/llib-lcurses.ln \
1788 /usr/lib/$(MACH64)/llib-ldevice.ln \
1789 /usr/lib/$(MACH64)/llib-ldevid.ln \
1790 /usr/lib/$(MACH64)/llib-ldevinfo.ln \
1791 /usr/lib/$(MACH64)/llib-ldl.ln \
1792 /usr/lib/$(MACH64)/llib-ldoor.ln \
1793 /usr/lib/$(MACH64)/llib-lefi.ln \
1794 /usr/lib/$(MACH64)/llib-lelf.ln \
1795 /usr/lib/$(MACH64)/llib-lgen.ln \
1796 /usr/lib/$(MACH64)/llib-linetutil.ln \
1797 /usr/lib/$(MACH64)/llib-lintl.ln \
1798 /usr/lib/$(MACH64)/llib-lkstat.ln \
1799 /usr/lib/$(MACH64)/llib-lmd5.ln \
1800 /usr/lib/$(MACH64)/llib-lnsl.ln \
1801 /usr/lib/$(MACH64)/llib-lnvpair.ln \
1802 /usr/lib/$(MACH64)/llib-lpam.ln \
1803 /usr/lib/$(MACH64)/llib-lposix4.ln \
1804 /usr/lib/$(MACH64)/llib-lpthread.ln \
1805 /usr/lib/$(MACH64)/llib-lresolv.ln \
1806 /usr/lib/$(MACH64)/llib-lrpcsvc.ln \
1807 /usr/lib/$(MACH64)/llib-lrt.ln \
1808 /usr/lib/$(MACH64)/llib-lrtld_db.ln \
1809 /usr/lib/$(MACH64)/llib-lscf.ln \
1810 /usr/lib/$(MACH64)/llib-lsec.ln \
1811 /usr/lib/$(MACH64)/llib-lsecdb.ln \
1812 /usr/lib/$(MACH64)/llib-lsendfile.ln \
1813 /usr/lib/$(MACH64)/llib-lsocket.ln \
1814 /usr/lib/$(MACH64)/llib-lsysevent.ln \
1815 /usr/lib/$(MACH64)/llib-ltermcap \
1816 /usr/lib/$(MACH64)/llib-ltermcap.ln \
1817 /usr/lib/$(MACH64)/llib-ltermplib \
1818 /usr/lib/$(MACH64)/llib-ltermplib.ln \
1819 /usr/lib/$(MACH64)/llib-lthread.ln \
1820 /usr/lib/$(MACH64)/llib-lthread_db.ln \
1821 /usr/lib/$(MACH64)/llib-ltsnet.ln \
1822 /usr/lib/$(MACH64)/llib-ltsol.ln \
1823 /usr/lib/$(MACH64)/llib-lumem.ln \
1824 /usr/lib/$(MACH64)/llib-luuid.ln \
1825 /usr/lib/$(MACH64)/llib-lxnet.ln \
1826 /usr/lib/$(MACH64)/llib-lzfs.ln \
1827 /usr/lib/$(MACH64)/nss_compat.so.1 \
1828 /usr/lib/$(MACH64)/nss_dns.so.1 \
1829 /usr/lib/$(MACH64)/nss_files.so.1 \
1830 /usr/lib/$(MACH64)/nss_nis.so.1 \
1831 /usr/lib/$(MACH64)/nss_nisplus.so.1 \
1832 /usr/lib/$(MACH64)/nss_user.so.1

1834 $(SYM.USRLIB:%=$(ROOT)%):= \
1835 INS.dir= -$(RM) $@; $(SYMLINK) $(REALPATH) $@; \
1836 $(CHOWN) $(OWNER) $@; $(CHGRP) $(GROUP) $@

1838 $(SYM.USRLIB64:%=$(ROOT)%):= \
1839 INS.dir= -$(RM) $@; $(SYMLINK) $(REALPATH) $@; \
1840 $(CHOWN) $(OWNER) $@; $(CHGRP) $(GROUP) $@

```

```

*****
62063 Mon Oct 29 22:52:06 2007
new/usr/src/cmd/fs.d/nfs/mount/mount.c
*** NO COMMENTS ***
*****
_____unchanged_portion_omitted_____

108 #define SET_ERR_RET(errst, etype, eval) \
109     if (errst) { \
110         (errst)->error_type = etype; \
111         (errst)->error_value = eval; \
112     }

114 /* number of transports to try */
115 #define MNT_PREF_LISTLEN      2
116 #define FIRST_TRY             1
117 #define SECOND_TRY            2

119 #define BIGRETRY              10000

121 /* maximum length of RPC header for NFS messages */
122 #define NFS_RPC_HDR           432

124 #define NFS_ARGS_EXTB_secdata(args, secdata) \
125     { (args)->nfs_args_ext = NFS_ARGS_EXTB, \
126       (args)->nfs_ext_u.nfs_extB.secdata = secdata; }

128 extern int __clnt_bindresvport(CLIENT *);
128 extern int __clnt_bindresvport();
129 extern char *nfs_get_gop_name();
130 extern AUTH *nfs_create_ah();
131 extern enum snego_stat nfs_sec_nego();

133 static void usage(void);
134 static int retry(struct mnttab *, int);
135 static int set_args(int *, struct nfs_args *, char *, struct mnttab *);
136 static int get_fh_via_pub(struct nfs_args *, char *, char *, bool_t, bool_t,
137     int *, struct netconfig **, ushort_t);
138 static int get_fh(struct nfs_args *, char *, char *, int *, bool_t,
139     struct netconfig **, ushort_t);
140 static int make_secure(struct nfs_args *, char *, struct netconfig *,
141     bool_t, rpcvers_t);
142 static int mount_nfs(struct mnttab *, int, err_ret_t *);
143 static int getaddr_nfs(struct nfs_args *, char *, struct netconfig **,
144     bool_t, char *, ushort_t, err_ret_t *, bool_t);
145 static void pr_err(const char *fmt, ...);
146 static void usage(void);
147 static struct netbuf *get_addr(char *, rpcprog_t, rpcvers_t,
148     struct netconfig **, char *, ushort_t, struct t_info *,
149     caddr_t *, bool_t, char *, err_ret_t *);

151 static struct netbuf *get_the_addr(char *, rpcprog_t, rpcvers_t,
152     struct netconfig *, ushort_t, struct t_info *, caddr_t *,
153     bool_t, char *, err_ret_t *);

155 extern int self_check(char *);

157 static void read_default(void);

159 static char typename[64];

161 static int bg = 0;
162 static int backgrounded = 0;
163 static int posix = 0;
164 static int retries = BIGRETRY;
165 static ushort_t nfs_port = 0;
166 static char *nfs_proto = NULL;

168 static int mflg = 0;
169 static int Oflg = 0; /* Overlay mounts */
170 static int qflg = 0; /* quiet - don't print warnings on bad options */

```

```

172 static char *fstype = MNTTYPE_NFS;

174 static seconfig_t nfs_sec;
175 static int sec_opt = 0; /* any security option ? */
176 static bool_t snego_done;
177 static void sigusr1(int);

179 /*
180 * list of support services needed
181 */
182 static char *service_list[] = { STATD, LOCKD, NULL };
183 static char *service_list_v4[] = { STATD, LOCKD, NFS4CBD, NFSMAPID, NULL };

185 /*
186 * These two variables control the NFS version number to be used.
187 *
188 * nfsvers defaults to 0 which means to use the highest number that
189 * both the client and the server support. It can also be set to
190 * a particular value, either 2, 3, or 4 to indicate the version
191 * number of choice. If the server (or the client) do not support
192 * the version indicated, then the mount attempt will be failed.
193 *
194 * nfsvers_to_use is the actual version number found to use. It
195 * is determined in get_fh by pinging the various versions of the
196 * NFS service on the server to see which responds positively.
197 *
198 * nfsretry_vers is the version number set when we retry the mount
199 * command with the version decremented from nfsvers_to_use.
200 * nfsretry_vers is set from nfsvers_to_use when we retry the mount
201 * for errors other than RPC errors; it helps un know why we are
202 * retrying. It is an indication that the retry is due to
203 * non-RPC errors.
204 */
205 static rpcvers_t nfsvers = 0;
206 static rpcvers_t nfsvers_to_use = 0;
207 static rpcvers_t nfsretry_vers = 0;

209 /*
210 * There are the defaults (range) for the client when determining
211 * which NFS version to use when probing the server (see above).
212 * These will only be used when the vers mount option is not used and
213 * these may be reset if /etc/default/nfs is configured to do so.
214 */
215 static rpcvers_t vers_max_default = NFS_VERSMAX_DEFAULT;
216 static rpcvers_t vers_min_default = NFS_VERSMIN_DEFAULT;

218 /*
219 * This variable controls whether to try the public file handle.
220 */
221 static bool_t public_opt;

223 int
224 main(int argc, char *argv[])
225 {
226     struct mnttab mnt;
227     extern char *optarg;
228     extern int optind;
229     char optbuf[MAX_MNTOPT_STR];
230     int ro = 0;
231     int r;
232     int c;
233     char *myname;
234     err_ret_t retry_error;

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

```

```

237 #if !defined(TEXT_DOMAIN)
238 #define TEXT_DOMAIN      "SYS_TEST"
239 #endif
240 (void) textdomain(TEXT_DOMAIN);

242 myname = strrchr(argv[0], '/');
243 myname = myname ? myname + 1 : argv[0];
244 (void) snprintf(typename, sizeof (typename), "%s %s",
245     MNTTYPE_NFS, myname);
246 argv[0] = typename;

248 mnt.mnt_mntopts = optbuf;
249 (void) strcpy(optbuf, "rw");

251 /*
252  * Set options
253  */
254 while ((c = getopt(argc, argv, "ro:mOq")) != EOF) {
255     switch (c) {
256     case 'r':
257         ro++;
258         break;
259     case 'o':
260         if (strlen(optarg) >= MAX_MNTOPT_STR) {
261             pr_err(gettext("option string too long"));
262             return (RET_ERR);
263         }
264         (void) strcpy(mnt.mnt_mntopts, optarg);
265 #ifdef LATER
266         if (strstr(optarg, MNTOPT_REMOUNT)) {
267             /*
268              * If remount is specified, only rw is allowed.
269              */
270             if ((strcmp(optarg, MNTOPT_REMOUNT) != 0) &&
271                 (strcmp(optarg, "remount,rw") != 0) &&
272                 (strcmp(optarg, "rw,remount") != 0)) {
273                 pr_err(gettext("Invalid options\n"));
274                 exit(RET_ERR);
275             }
276         }
277 #endif /* LATER */
278         break;
279     case 'm':
280         mflg++;
281         break;
282     case 'O':
283         Oflg++;
284         break;
285     case 'q':
286         qflg++;
287         break;
288     default:
289         usage();
290         exit(RET_ERR);
291     }
292 }
293 if (argc - optind != 2) {
294     usage();
295     exit(RET_ERR);
296 }

298 mnt.mnt_special = argv[optind];
299 mnt.mnt_mountp = argv[optind+1];

301 if (!priv_ineffect(PRIV_SYS_MOUNT) ||
302     !priv_ineffect(PRIV_NET_PRIVADDR)) {

```

```

303     pr_err(gettext("insufficient privileges\n"));
304     exit(RET_ERR);
305 }

307 /*
308  * On a labeled system, allow read-down nfs mounts if privileged
309  * (PRIV_NET_MAC_AWARE) to do so. Otherwise, ignore the error
310  * and "mount equal label only" behavior will result.
311  */
312 if (is_system_labeled())
313     (void) setpflags(NET_MAC_AWARE, 1);

315 /*
316  * Read the defaults file to see if the min/max versions have
317  * been set and therefore would override the encoded defaults.
318  * Then check to make sure that if they were set that the
319  * values are reasonable.
320  */
321 read_default();
322 if (vers_min_default > vers_max_default ||
323     vers_min_default < NFS_VERSMIN ||
324     vers_max_default > NFS_VERSMAX) {
325     pr_err("%s %s\n%s %s\n",
326         gettext("Incorrect configuration of client\'s"),
327         NFSADMIN,
328         gettext("NFS_CLIENT_VERSMIN or NFS_CLIENT_VERSMAX"),
329         gettext("is either out of range or overlaps.));
330 }

332 SET_ERR_RET(&retry_error, ERR_PROTO_NONE, 0);
333 r = mount_nfs(&mnt, ro, &retry_error);
334 if (r == RET_RETRY && retries) {
335     /*
336      * Check the error code from the last mount attempt if it was
337      * an RPC error, then retry as is. Otherwise we retry with the
338      * nfsretry_vers set. It is set by decrementing nfsvers_to_use.
339      * If we are retrying with nfsretry_vers then we don't print any
340      * retry messages, since we are not retrying due to an RPC
341      * error.
342      */
343     if (retry_error.error_type) {
344         if (retry_error.error_type != ERR_RPCERROR) {
345             nfsretry_vers = nfsvers_to_use =
346                 nfsvers_to_use - 1;
347             if (nfsretry_vers < NFS_VERSMIN)
348                 return (r);
349         }
350     }

352     r = retry(&mnt, ro);
353 }
354 /*
355  * exit(r);
356  */
357 return (r);
358 }

```

unchanged portion omitted

```

1231 static int
1232 make_secure(struct nfs_args *args, char *hostname, struct netconfig *nconf,
1233     bool_t use_pubfh, rpcvers_t vers)
1234 {
1235     sec_data_t *secdata;
1236     int flags;
1237     struct netbuf *syncaddr = NULL;
1238     struct nd_addrlist *retaddrs = NULL;

```



```

1239     char netname[MAXNETNAMELEN+1];
1240
1241     /*
1242     * check to see if any secure mode is requested.
1243     * if not, use default security mode.
1244     */
1245     if (!snego_done && !sec_opt) {
1246         /*
1247         * Get default security mode.
1248         * AUTH_UNIX has been the default choice for a long time.
1249         * The better NFS security service becomes, the better chance
1250         * we will set stronger security service as the default NFS
1251         * security mode.
1252         */
1253         if (nfs_getseconfig_default(&nfs_sec)) {
1254             pr_err(gettext("error getting default
1255             " security entry\n"));
1256             pr_err(gettext("error getting default security entry\n"));
1257             return (-1);
1258         }
1259         args->flags |= NFSMNT_SECDEFAULT;
1260     }
1261
1262     /*
1263     * Get the network address for the time service on the server.
1264     * If an RPC based time service is not available then try the
1265     * IP time service.
1266     *
1267     * This is for AUTH_DH processing. We will also pass down syncaddr
1268     * and netname for NFS V4 even if AUTH_DH is not requested right now.
1269     * NFS V4 does security negotiation in the kernel via SECINFO.
1270     * These information might be needed later in the kernel.
1271     *
1272     * Eventually, we want to move this code to nfs_clnt_secdata()
1273     * when autod_nfs.c and mount.c can share the same get_the_addr()
1274     * routine.
1275     */
1276     flags = 0;
1277     syncaddr = NULL;
1278
1279     if (nfs_sec.sc_rpcnum == AUTH_DH || vers == NFS_V4) {
1280         /*
1281         * If using the public fh or nfsv4, we will not contact the
1282         * remote RPCBINDER, since it is possibly behind a firewall.
1283         */
1284         if (use_pubfh == FALSE && vers != NFS_V4) {
1285             syncaddr = get_the_addr(hostname, RPCBPROG, RPCBVERS,
1286             nconf, 0, NULL, NULL, FALSE, NULL, NULL);
1287         }
1288
1289         if (syncaddr != NULL) {
1290             /* for flags in sec_data */
1291             flags |= AUTH_F_RPCTIMESYNC;
1292         } else {
1293             struct nd_hostserv hs;
1294             int error;
1295
1296             hs.h_host = hostname;
1297             hs.h_serv = "timserver";
1298
1299             error = netdir_getbyname(nconf, &hs, &retaddrs);
1300
1301             if (error != ND_OK && (nfs_sec.sc_rpcnum == AUTH_DH)) {
1302                 pr_err(gettext("%s: secure: no time service\n"),
1303                 hostname);
1304             }
1305         }
1306     }

```

```

1304         return (-1);
1305     }
1306
1307     if (error == ND_OK)
1308         syncaddr = retaddrs->n_addrs;
1309
1310     /*
1311     * For NFS_V4 if AUTH_DH is negotiated later in the
1312     * kernel thru SECINFO, it will need syncaddr
1313     * and netname data.
1314     */
1315     if (vers == NFS_V4 && syncaddr &&
1316         host2netname(netname, hostname, NULL)) {
1317         args->syncaddr = malloc(sizeof(struct netbuf));
1318         args->syncaddr->buf = malloc(syncaddr->len);
1319         (void) memcpy(args->syncaddr->buf,
1320         syncaddr->buf, syncaddr->len);
1321         (void) memcpy(args->syncaddr->buf, syncaddr->buf,
1322         syncaddr->len);
1323         args->syncaddr->len = syncaddr->len;
1324         args->syncaddr->maxlen = syncaddr->maxlen;
1325         args->netname = strdup(netname);
1326         args->flags |= NFSMNT_SECURE;
1327     }
1328
1329     /*
1330     * For the initial chosen flavor (any flavor defined in nfssec.conf),
1331     * the data will be stored in the sec_data structure via
1332     * nfs_clnt_secdata() and be passed to the kernel via nfs_args_*
1333     * extended data structure.
1334     */
1335     if (!(secdata = nfs_clnt_secdata(&nfs_sec, hostname, args->knconf,
1336     syncaddr, flags))) {
1337         pr_err(gettext("errors constructing security related data\n"));
1338         if (flags & AUTH_F_RPCTIMESYNC) {
1339             free(syncaddr->buf);
1340             free(syncaddr);
1341         } else if (retaddrs)
1342             netdir_free((void *)retaddrs, ND_ADDRLIST);
1343         return (-1);
1344     }
1345
1346     NFS_ARGS_EXTB_secdata(args, secdata);
1347     if (flags & AUTH_F_RPCTIMESYNC) {
1348         free(syncaddr->buf);
1349         free(syncaddr);
1350     } else if (retaddrs)
1351         netdir_free((void *)retaddrs, ND_ADDRLIST);
1352     return (0);
1353 }
1354
1355 /*
1356 * Get the network address on "hostname" for program "prog"
1357 * with version "vers" by using the nconf configuration data
1358 * passed in.
1359 *
1360 * If the address of a netconfig pointer is null then
1361 * information is not sufficient and no netbuf will be returned.
1362 *
1363 * Finally, ping the null procedure of that service.
1364 *
1365 * A similar routine is also defined in ../autofs/autod_nfs.c.
1366 * This is a potential routine to move to ../lib for common usage.
1367 */

```

```

1368 static struct netbuf *
1369 get_the_addr(char *hostname, ulong_t prog, ulong_t vers,
1370             struct netconfig *nconf, ushort_t port, struct t_info *tinfo,
1371             caddr_t *fhp, bool_t get_pubfh, char *fspath, err_ret_t *error)
1372 {
1373     struct netbuf *nb = NULL;
1374     struct t_bind *tbind = NULL;
1375     CLIENT *cl = NULL;
1376     struct timeval tv;
1377     int fd = -1;
1378     AUTH *ah = NULL;
1379     AUTH *new_ah = NULL;
1380     struct snego_t snego;
1381
1382     if (nconf == NULL)
1383         return (NULL);
1384
1385     if ((fd = t_open(nconf->nc_device, O_RDWR, tinfo)) == -1)
1386         goto done;
1387
1388     /* LINTED pointer alignment */
1389     if ((tbind = (struct t_bind *)t_alloc(fd, T_BIND, T_ADDR))
1390         == NULL)
1391         goto done;
1392
1393     /*
1394      * In the case of public filehandle usage or NFSv4 we want to
1395      * avoid use of the rpcbind/portmap protocol
1396      */
1397     if ((get_pubfh == TRUE) || (vers == NFS_V4)) {
1398         struct nd_hostserv hs;
1399         struct nd_addrlist *retaddrs;
1400         int retval;
1401         hs.h_host = hostname;
1402
1403         /* NFS where vers==4 does not support UDP */
1404         if (vers == NFS_V4 &&
1405             strcasecmp(nconf->nc_proto, NC_UDP,
1406                       strlen(NC_UDP)) == 0) {
1407             SET_ERR_RET(error, ERR_PROTO_UNSUPP, 0);
1408             goto done;
1409         }
1410
1411         if (port == 0)
1412             hs.h_serv = "nfs";
1413         else
1414             hs.h_serv = NULL;
1415
1416         if ((retval = netdir_getbyname(nconf, &hs, &retaddrs))
1417             != ND_OK) {
1418             /*
1419              * Carefully set the error value here. Want to signify
1420              * that the error was an unknown host.
1421              */
1422             if (retval == ND_NOHOST) {
1423                 SET_ERR_RET(error, ERR_NOHOST, retval);
1424             }
1425             goto done;
1426         }
1427         memcpy(tbind->addr.buf, retaddrs->n_addrs->buf,
1428              retaddrs->n_addrs->len);
1429         tbind->addr.len = retaddrs->n_addrs->len;
1430         netdir_free((void *)retaddrs, ND_ADDRLIST);
1431         (void) netdir_options(nconf, ND_SET_RESERVEDPORT, fd, NULL);
1432

```

```

1434     } else {
1435         if (rpcb_getaddr(prog, vers, nconf, &tbind->addr,
1436                        hostname) == FALSE) {
1437             goto done;
1438         }
1439     }
1440
1441     if (port) {
1442         /* LINTED pointer alignment */
1443         if (strcmp(nconf->nc_protofmly, NC_INET) == 0)
1444             ((struct sockaddr_in *)tbind->addr.buf)->sin_port
1445             = port;
1446         else if (strcmp(nconf->nc_protofmly, NC_INET6) == 0)
1447             ((struct sockaddr_in6 *)tbind->addr.buf)->sin6_port
1448             = port;
1449     }
1450
1451     cl = clnt_tli_create(fd, nconf, &tbind->addr, prog, vers, 0, 0);
1452     if (cl == NULL) {
1453         /*
1454          * clnt_tli_create() returns either RPC_SYSTEMERROR,
1455          * RPC_UNKNOWNPROTO or RPC_TLIERROR. The RPC_TLIERROR translates
1456          * to "Misc. TLI error". This is not too helpful. Most likely
1457          * the connection to the remote server timed out, so this
1458          * error is at least less perplexing.
1459          * See: usr/src/cmd/rpcinfo/rpcinfo.c
1460          */
1461         if (rpc_createerr.cf_stat == RPC_TLIERROR) {
1462             SET_ERR_RET(error, ERR_RPCERROR, RPC_PMAPFAILURE);
1463         } else {
1464             SET_ERR_RET(error, ERR_RPCERROR, rpc_createerr.cf_stat);
1465         }
1466         goto done;
1467     }
1468
1469     ah = authsys_create_default();
1470     if (ah != NULL)
1471         cl->cl_auth = ah;
1472
1473     tv.tv_sec = 5;
1474     tv.tv_usec = 0;
1475
1476     (void) clnt_control(cl, CLSET_TIMEOUT, (char *)&tv);
1477
1478     if ((get_pubfh == TRUE) && (vers != NFS_V4)) {
1479         enum snego_stat sec;
1480
1481         if (!snego_done) {
1482             /*
1483              * negotiate sec flavor.
1484              */
1485             snego.cnt = 0;
1486             if ((sec = nfs_sec_nego(vers, cl,
1487                                    fspath, &snego)) == SNEGO_SUCCESS) {
1488                 if ((sec = nfs_sec_nego(vers, cl, fspath, &snego)) ==
1489                     SNEGO_SUCCESS) {
1490                     int jj;
1491
1492                     /*
1493                      * check if server supports the one
1494                      * specified in the sec= option.
1495                      */
1496                     if (sec_opt) {
1497                         for (jj = 0; jj < snego.cnt; jj++) {
1498                             if (snego.array[jj] ==

```

```

1497         nfs_sec.sc_nfsnum) {
1498             if (snego.array[jj] == nfs_sec.sc_nfsnum) {
1499                 snego_done = TRUE;
1500                 break;
1501             }
1502         }
1503     }
1504     /*
1505     * find a common sec flavor
1506     */
1507     if (!snego_done) {
1508         if (sec_opt) {
1509             pr_err(gettext(
1510                 "Server does not support"
1511                 " the security"
1512                 "Server does not support the security"
1513                 " flavor specified.\n"));
1514         }
1515         for (jj = 0; jj < snego.cnt; jj++) {
1516             if (!nfs_getseconfig_bynumber(
1517                 snego.array[jj],
1518                 &nfs_sec)) {
1519                 snego_done = TRUE;
1520                 if (sec_opt) {
1521                     pr_err(gettext(
1522                         "Security flavor %d was negotiated and will be used.\n"),
1523                         nfs_sec.sc_nfsnum);
1524                 }
1525                 /*
1526                 * Security flavor %d was negotiated and
1527                 * will be used.\n"),
1528                 nfs_sec.sc_nfsnum);
1529                 */
1530                 break;
1531             }
1532         }
1533     }
1534     if (!snego_done)
1535         return (NULL);
1536 }
1537
1538 /*
1539 * Now that the flavor has been
1540 * negotiated, get the fh.
1541 *
1542 * First, create an auth handle using
1543 * the negotiated sec flavor in the
1544 * next lookup to fetch the filehandle.
1545 * First, create an auth handle using the negotiated
1546 * sec flavor in the next lookup to
1547 * fetch the filehandle.
1548 */
1549 new_ah = nfs_create_ah(cl, hostname, &nfs_sec);
1550 if (new_ah == NULL)
1551     goto done;
1552 cl->cl_auth = new_ah;
1553 } else if (sec == SNEGO_ARRAY_TOO_SMALL || sec ==
1554           SNEGO_FAILURE) {
1555     goto done;
1556 }
1557 }
1558 }
1559 }
1560 }
1561 }
1562 }
1563 }
1564 }
1565 }
1566 }
1567 }
1568 }
1569 }
1570 }
1571 }
1572 }
1573 }
1574 }
1575 }
1576 }
1577 }
1578 }
1579 }
1580 }
1581 }
1582 }
1583 }
1584 }
1585 }
1586 }
1587 }
1588 }
1589 }
1590 }
1591 }
1592 }
1593 }
1594 }
1595 }
1596 }
1597 }
1598 }
1599 }
1600 }
1601 }
1602 }
1603 }
1604 }
1605 }
1606 }
1607 }
1608 }
1609 }
1610 }
1611 }
1612 }
1613 }
1614 }
1615 }
1616 }
1617 }

```

```

1553     * Note that if sec == SNEGO_DEF_VALID
1554     * default sec flavor is acceptable.
1555     * Use it to get the filehandle.
1556     */
1557 }
1558 }
1559 if (vers == NFS_VERSION) {
1560     wnl_diropargv arg;
1561     wnl_diropres *res;
1562 }
1563 memset((char *)&arg.dir, 0, sizeof (wnl_fh));
1564 arg.name = fspath;
1565 res = wnlproc_lookup_2(&arg, cl);
1566 if (res == NULL || res->status != NFS_OK)
1567     goto done;
1568 *fh3p = malloc(sizeof (wnl_fh));
1569 if (*fh3p == NULL) {
1570     pr_err(gettext("no memory\n"));
1571     goto done;
1572 }
1573 memcopy((char *)*fh3p,
1574         (char *)&res->wnl_diropres_u.wnl_diropres.file,
1575         sizeof (wnl_fh));
1576 } else {
1577     WNL_LOOKUP3args arg;
1578     WNL_LOOKUP3res *res;
1579     nfs_fh3 *fh3p;
1580 memset((char *)&arg.what.dir, 0, sizeof (wnl_fh3));
1581 arg.what.name = fspath;
1582 res = wnlproc3_lookup_3(&arg, cl);
1583 if (res == NULL || res->status != NFS3_OK)
1584     goto done;
1585 fh3p = (nfs_fh3 *)malloc(sizeof (*fh3p));
1586 if (fh3p == NULL) {
1587     pr_err(gettext("no memory\n"));
1588     CLNT_FREERES(cl, xdr_WNL_LOOKUP3res,
1589                 (char *)res);
1590     CLNT_FREERES(cl, xdr_WNL_LOOKUP3res, (char *)res);
1591     goto done;
1592 }
1593 fh3p->fh3_length =
1594     res->WNL_LOOKUP3res_u.res_ok.object.data.data_len;
1595 memcopy(fh3p->fh3_u.data,
1596         res->WNL_LOOKUP3res_u.res_ok.object.data.data_val,
1597         fh3p->fh3_length);
1598 *fh3p = (caddr_t)fh3p;
1599 CLNT_FREERES(cl, xdr_WNL_LOOKUP3res, (char *)res);
1600 }
1601 } else {
1602     void *res;
1603     struct rpc_err r_err;
1604 if (vers == NFS_VERSION)
1605     res = wnlproc_null_2(NULL, cl);
1606 else if (vers == NFS_V3)
1607     res = wnlproc3_null_3(NULL, cl);

```

```

1618     else
1619         res = wnlproc4_null_4(NULL, cl);

1621     if (res == NULL) {
1622         clnt_geterr(cl, &r_err);
1623         if (strcmp(nconf->nc_protofmly, NC_LOOPBACK) == 0) {
1624             switch (r_err.re_status) {
1625                 case RPC_TLIERROR:
1626                 case RPC_CANTRECV:
1627                 case RPC_CANTSEND:
1628                     r_err.re_status = RPC_PROGVERSISMATCH;
1629             }
1630         }
1631         SET_ERR_RET(error, ERR_RPCERROR, r_err.re_status);
1632         goto done;
1633     }
1634 }

1636 /*
1637  * Make a copy of the netbuf to return
1638  */
1639 nb = (struct netbuf *)malloc(sizeof (*nb));
1640 if (nb == NULL) {
1641     pr_err(gettext("no memory\n"));
1642     goto done;
1643 }
1644 *nb = tbind->addr;
1645 nb->buf = (char *)malloc(nb->maxlen);
1646 if (nb->buf == NULL) {
1647     pr_err(gettext("no memory\n"));
1648     free(nb);
1649     nb = NULL;
1650     goto done;
1651 }
1652 (void) memcpy(nb->buf, tbind->addr.buf, tbind->addr.len);

1654 done:
1655 if (cl) {
1656     if (ah != NULL) {
1657         if (new_ah != NULL)
1658             AUTH_DESTROY(ah);
1659         AUTH_DESTROY(cl->cl_auth);
1660         cl->cl_auth = NULL;
1661     }
1662     clnt_destroy(cl);
1663     cl = NULL;
1664 }
1665 if (tbind) {
1666     t_free((char *)tbind, T_BIND);
1667     tbind = NULL;
1668 }
1669 if (fd >= 0)
1670     (void) t_close(fd);
1671 return (nb);
1672 }

1674 /*
1675  * Get a network address on "hostname" for program "prog"
1676  * with version "vers". If the port number is specified (non zero)
1677  * then try for a TCP/UDP transport and set the port number of the
1678  * resulting IP address.
1679  *
1680  * If the address of a netconfig pointer was passed and
1681  * if it's not null, use it as the netconfig otherwise
1682  * assign the address of the netconfig that was used to
1683  * establish contact with the service.

```

```

1684  *
1685  * A similar routine is also defined in ../autofs/autod_nfs.c.
1686  * This is a potential routine to move to ../lib for common usage.
1687  *
1688  * "error" refers to a more descriptive term when get_addr fails
1689  * and returns NULL: ERR_PROTO_NONE if no error introduced by
1690  * -o proto option, ERR_NETPATH if error found in NETPATH
1691  * environment variable, ERR_PROTO_INVALID if an unrecognized
1692  * protocol is specified by user, and ERR_PROTO_UNSUPP for a
1693  * recognized but invalid protocol (eg. ticlts, ticots, etc.).
1694  * "error" is ignored if get_addr returns non-NULL result.
1695  *
1696  */
1697 static struct netbuf *
1698 get_addr(char *hostname, along_t prog, along_t vers, struct netconfig **nconfp,
1699          char *proto, ushort_t port, struct t_info *tinfo, caddr_t *fhp,
1700          bool_t get_pubfh, char *fspath, err_ret_t *error)
1701 {
1702     struct netbuf *nb = NULL;
1703     struct netconfig *nconf = NULL;
1704     NCONF_HANDLE *nc = NULL;
1705     int nthtry = FIRST_TRY;
1706     err_ret_t errsava_nohost, errsava_rpcerr;

1708     SET_ERR_RET(&errsava_nohost, ERR_PROTO_NONE, 0);
1709     SET_ERR_RET(&errsava_rpcerr, ERR_PROTO_NONE, 0);

1711     SET_ERR_RET(error, ERR_PROTO_NONE, 0);

1713     if (nconfp && *nconfp)
1714         return (get_the_addr(hostname, prog, vers, *nconfp, port,
1715                             tinfo, fhp, get_pubfh, fspath, error));
1716     /*
1717      * No nconf passed in.
1718      *
1719      * Try to get a nconf from /etc/netconfig filtered by
1720      * the NETPATH environment variable.
1721      * First search for COTS, second for CLTS unless proto
1722      * is specified. When we retry, we reset the
1723      * netconfig list so that we would search the whole list
1724      * all over again.
1725      */

1727     if ((nc = setnetpath()) == NULL) {
1728         /* should only return an error if problems with NETPATH */
1729         /* In which case you are hosed */
1730         SET_ERR_RET(error, ERR_NETPATH, 0);
1731         goto done;
1732     }

1734     /*
1735      * If proto is specified, then only search for the match,
1736      * otherwise try COTS first, if failed, try CLTS.
1737      */
1738     if (proto) {
1739         /* no matching proto name */
1740         SET_ERR_RET(error, ERR_PROTO_INVALID, 0);

1742         while (nconf = getnetpath(nc)) {
1743             if (strcmp(nconf->nc_netid, proto))
1744                 continue;

1746             /* may be unsupported */
1747             SET_ERR_RET(error, ERR_PROTO_UNSUPP, 0);

1749             if ((port != 0) &&

```

```

1750         ((strcmp(nconf->nc_protofmly, NC_INET) == 0 ||
1751          strcmp(nconf->nc_protofmly, NC_INET6) == 0) &&
1752          (strcmp(nconf->nc_proto, NC_TCP) != 0 &&
1753           strcmp(nconf->nc_proto, NC_UDP) != 0)) {
1754             strcmp(nconf->nc_proto, NC_UDP) != 0))
1755         continue;
1756     } else {
1757         else {
1758             nb = get_the_addr(hostname, prog,
1759                             vers, nconf, port, tinfo,
1760                             fhp, get_pubfh, fspath, error);
1761
1762             if (nb != NULL)
1763                 break;
1764
1765             /* nb is NULL - deal with errors */
1766             if (error) {
1767                 if (error->error_type == ERR_NOHOST)
1768                     SET_ERR_RET(&errsav_nohost,
1769                                 error->error_type,
1770                                 error->error_value);
1771                 if (error->error_type == ERR_RPCERROR)
1772                     SET_ERR_RET(&errsav_rpcerr,
1773                                 error->error_type,
1774                                 error->error_value);
1775             }
1776             /*
1777              * continue with same protocol
1778              * selection
1779              */
1780             continue;
1781         }
1782     } /* end of while */
1783
1784     if (nconf == NULL)
1785         goto done;
1786
1787     if ((nb = get_the_addr(hostname, prog, vers, nconf, port,
1788                          tinfo, fhp, get_pubfh, fspath, error)) == NULL)
1789         goto done;
1790
1791     } else {
1792     retry:
1793         SET_ERR_RET(error, ERR_NETPATH, 0);
1794         while (nconf = getnetpath(nc)) {
1795             SET_ERR_RET(error, ERR_PROTO_NONE, 0);
1796             if (nconf->nc_flag & NC_VISIBLE) {
1797                 if (nthtry == FIRST_TRY) {
1798                     if ((nconf->nc_semantics ==
1799                         NC_TPI_COTS_ORD) ||
1800                         (nconf->nc_semantics ==
1801                          NC_TPI_COTS)) {
1802                         if (port == 0)
1803                             break;
1804
1805                         if ((strcmp(nconf->nc_protofmly,
1806                                  NC_INET) == 0 ||
1807                           strcmp(nconf->nc_protofmly,
1808                                  NC_INET6) == 0) &&
1809                            (strcmp(nconf->nc_proto,
1810                                     NC_TCP) != 0 &&
1811                             strcmp(nconf->nc_proto,
1812                                     NC_UDP) != 0))

```

```

1808             NC_TCP) == 0))
1809                 break;
1810             }
1811         }
1812         if (nthtry == SECOND_TRY) {
1813             if (nconf->nc_semantics ==
1814                 NC_TPI_CLTS) {
1815                 if (port == 0)
1816                     break;
1817             }
1818             if ((strcmp(nconf->nc_protofmly,
1819                        NC_INET) == 0 ||
1820                  strcmp(nconf->nc_protofmly,
1821                        NC_INET6) == 0) &&
1822                 (strcmp(nconf->nc_proto,
1823                        NC_TCP) != 0 &&
1824                  strcmp(nconf->nc_proto,
1825                        NC_UDP) == 0))
1826                 break;
1827         }
1828     } /* while */
1829
1830     if (nconf == NULL) {
1831         if (++nthtry <= MNT_PREF_LISTLEN) {
1832             endnetpath(nc);
1833             if ((nc = setnetpath()) == NULL)
1834                 goto done;
1835             goto retry;
1836         } else
1837             goto done;
1838     } else {
1839         if ((nb = get_the_addr(hostname, prog, vers, nconf,
1840                              port, tinfo, fhp, get_pubfh, fspath, error))
1841             == NULL) {
1842             /* nb is NULL - deal with errors */
1843             if (error) {
1844                 if (error->error_type == ERR_NOHOST)
1845                     SET_ERR_RET(&errsav_nohost,
1846                                 error->error_type,
1847                                 error->error_value);
1848                 if (error->error_type == ERR_RPCERROR)
1849                     SET_ERR_RET(&errsav_rpcerr,
1850                                 error->error_type,
1851                                 error->error_value);
1852             }
1853             /*
1854              * Continue the same search path in the
1855              * netconfig db until no more matched
1856              * nconf (nconf == NULL).
1857              */
1858             goto retry;
1859         }
1860     }
1861     }
1862     SET_ERR_RET(error, ERR_PROTO_NONE, 0);
1863
1864     /*
1865     * Got nconf and nb. Now dup the netconfig structure (nconf)
1866     * and return it thru nconfp.
1867     */

```

```

1868     *nconfp = getnetconfigent(nconf->nc_netid);
1869     if (*nconfp == NULL) {
1870         syslog(LOG_ERR, "no memory\n");
1871         free(nb);
1872         nb = NULL;
1873     }
1874 done:
1875     if (nc)
1876         endnetpath(nc);

1878     if (nb == NULL) {
1879         /*
1880          * Check the saved errors. The RPC error has *
1881          * precedence over the no host error.
1882          */
1883         if (errsave_nohost.error_type != ERR_PROTO_NONE)
1884             SET_ERR_RET(error, errsave_nohost.error_type,
1885                 errsave_nohost.error_value);

1887         if (errsave_rpcerr.error_type != ERR_PROTO_NONE)
1888             SET_ERR_RET(error, errsave_rpcerr.error_type,
1889                 errsave_rpcerr.error_value);
1890     }

1892     return (nb);
1893 }
_____ unchanged_portion_omitted _____

1976 /*
1977  * get fhandle of remote path from server's mountd
1978  */
1979 static int
1980 get_fh(struct nfs_args *args, char *fshost, char *fspath, int *versp,
1981     bool_t loud_on_mnt_err, struct netconfig **nconfp, ushort_t port)
1982 {
1983     static struct fhstatus fhs;
1984     static struct mountres3 mountres3;
1985     static struct pathcnf p;
1986     nfs_fh3 *fh3p;
1987     struct timeval timeout = { 25, 0};
1988     CLIENT *cl;
1989     enum clnt_stat rpc_stat;
1990     rpcvers_t outvers = 0;
1991     rpcvers_t vers_to_try;
1992     rpcvers_t vers_min;
1993     static int printed = 0;
1994     int count, i, *auths;
1995     char *msg;

1997     switch (nfsvers) {
1998     case 2: /* version 2 specified try that only */
1999         vers_to_try = MOUNTVERS_POSIX;
2000         vers_min = MOUNTVERS;
2001         break;
2002     case 3: /* version 3 specified try that only */
2003         vers_to_try = MOUNTVERS3;
2004         vers_min = MOUNTVERS3;
2005         break;
2006     case 4: /* version 4 specified try that only */
2007         /*
2008          * This assignment is in the wrong version sequence.
2009          * The above are MOUNT program and this is NFS
2010          * program. However, it happens to work out since the
2011          * two don't collide for NFSv4.
2012          */
2013         vers_to_try = NFS_V4;

```

```

2014         vers_min = NFS_V4;
2015         break;
2016     default: /* no version specified, start with default */
2017         /*
2018          * If the retry version is set, use that. This will
2019          * be set if the last mount attempt returned any other
2020          * besides an RPC error.
2021          */
2022         if (nfsretry_vers)
2023             vers_to_try = nfsretry_vers;
2024         else {
2025             vers_to_try = vers_max_default;
2026             vers_min = vers_min_default;
2027         }

2029         break;
2030     }

2032     /*
2033     * In the case of version 4, just NULL proc the server since
2034     * there is no MOUNT program. If this fails, then decrease
2035     * vers_to_try and continue on with regular MOUNT program
2036     * processing.
2037     */
2038     if (vers_to_try == NFS_V4) {
2039         int savevers = nfsvers_to_use;
2040         err_ret_t error;
2041         int retval;
2042         SET_ERR_RET(&error, ERR_PROTO_NONE, 0);

2044         /* Let's hope for the best */
2045         nfsvers_to_use = NFS_V4;
2046         retval = getaddr_nfs(args, fshost, nconfp, FALSE,
2047         retval =
2048             getaddr_nfs(args, fshost, nconfp, FALSE,
2049                 fspath, port, &error, vers_min == NFS_V4);

2049         if (retval == RET_OK) {
2050             *versp = nfsvers_to_use = NFS_V4;
2051             fstype = MNTTYPE_NFS4;
2052             args->fh = strdup(fspath);
2053             if (args->fh == NULL) {
2054                 pr_err(gettext("no memory\n"));
2055                 *versp = nfsvers_to_use = savevers;
2056                 return (RET_ERR);
2057             }
2058             return (RET_OK);
2059         }
2060         nfsvers_to_use = savevers;

2062         vers_to_try--;
2063         /* If no more versions to try, let the user know. */
2064         if (vers_to_try < vers_min) {
2065             return (retval);
2066         }

2068         /*
2069         * If we are here, there are more versions to try but
2070         * there has been an error of some sort. If it is not
2071         * an RPC error (e.g. host unknown), we just stop and
2072         * return the error since the other versions would see
2073         * the same error as well.
2074         */
2075         if (retval == RET_ERR && error.error_type != ERR_RPCERROR)
2076             return (retval);
2077     }

```

```

2079 while ((cl = clnt_create_vers(fshost, MOUNTPROC, &outvers,
2080 vers_min, vers_to_try, "datagram_v") == NULL) {
2081     if (rpc_createerr.cf_stat == RPC_UNKNOWNHOST) {
2082         pr_err(gettext("%s: %s\n"), fshost,
2083             clnt_spcreateerror(""));
2084     }
2085 }
2087 /*
2088  * We don't want to downgrade version on lost packets
2089  */
2090 if ((rpc_createerr.cf_stat == RPC_TIMEDOUT) ||
2091     (rpc_createerr.cf_stat == RPC_PMAPFAILURE)) {
2092     pr_err(gettext("%s: %s\n"), fshost,
2093         clnt_spcreateerror(""));
2094     return (RET_RETRY);
2095 }
2097 /*
2098  * back off and try the previous version - patch to the
2099  * problem of version numbers not being contiguous and
2100  * clnt_create_vers failing (SunOS4.1 clients & SGI servers)
2101  * The problem happens with most non-Sun servers who
2102  * don't support mountd protocol #2. So, in case the
2103  * call fails, we re-try the call anyway.
2104  */
2105 vers_to_try--;
2106 if (vers_to_try < vers_min) {
2107     if (rpc_createerr.cf_stat == RPC_PROGVERSISMATCH) {
2108         if (nfsvers == 0) {
2109             pr_err(gettext(
2110                 "%s:%s: no applicable versions of NFS supported\n"),
2111                 fshost, fspath);
2112         } else {
2113             pr_err(gettext(
2114                 "%s:%s: NFS Version %d not supported\n"),
2115                 fshost, fspath, nfsvers);
2116         }
2117         return (RET_ERR);
2118     }
2119     if (!printed) {
2120         pr_err(gettext("%s: %s\n"), fshost,
2121             clnt_spcreateerror(""));
2122         printed = 1;
2123     }
2124     return (RET_RETRY);
2125 }
2126 }
2127 if (posix && outvers < MOUNTVERS_POSIX) {
2128     pr_err(gettext("%s: %s: no pathconf info\n"),
2129         fshost, clnt_sperror(cl, ""));
2130     clnt_destroy(cl);
2131     return (RET_ERR);
2132 }
2134 if (__clnt_bindresvport(cl) < 0) {
2135     pr_err(gettext("Couldn't bind to reserved port\n"));
2136     clnt_destroy(cl);
2137     return (RET_RETRY);
2138 }
2140 if ((cl->cl_auth = authsys_create_default()) == NULL) {
2141     pr_err(
2142         gettext("Couldn't create default authentication handle\n"));
2143     clnt_destroy(cl);

```

```

2144         return (RET_RETRY);
2145     }
2147     switch (outvers) {
2148     case MOUNTVERS:
2149     case MOUNTVERS_POSIX:
2150         *versp = nfsvers_to_use = NFS_VERSION;
2151         rpc_stat = clnt_call(cl, MOUNTPROC_MNT, xdr_dirpath,
2152             (caddr_t)&fspath, xdr_fhstatus, (caddr_t)&fhs, timeout);
2153         if (rpc_stat != RPC_SUCCESS) {
2154             pr_err(gettext("%s:%s: server not responding %s\n"),
2155                 fshost, fspath, clnt_sperror(cl, ""));
2156             clnt_destroy(cl);
2157             return (RET_RETRY);
2158         }
2160         if ((errno = fhs.fhs_status) != MNT_OK) {
2161             if (loud_on_mnt_err) {
2162                 if (errno == EACCES) {
2163                     pr_err(gettext(
2164                         "%s:%s: access denied\n"),
2165                         pr_err(gettext("%s:%s: access denied\n"),
2166                             fshost, fspath);
2167                 } else {
2168                     pr_err(gettext("%s:%s: %s\n"),
2169                         fshost, fspath, strerror(errno));
2170                     pr_err(gettext("%s:%s: %s\n"), fshost, fspath,
2171                         strerror(errno));
2172                 }
2173             }
2174             clnt_destroy(cl);
2175             return (RET_MNTERR);
2176         }
2177         args->fh = malloc(sizeof (fhs.fhstatus_u.fhs_fhandle));
2178         if (args->fh == NULL) {
2179             pr_err(gettext("no memory\n"));
2180             return (RET_ERR);
2181         }
2182         memcpy((caddr_t)args->fh, (caddr_t)&fhs.fhstatus_u.fhs_fhandle,
2183             sizeof (fhs.fhstatus_u.fhs_fhandle));
2184         if (!errno && posix) {
2185             rpc_stat = clnt_call(cl, MOUNTPROC_PATHCONF,
2186                 xdr_dirpath, (caddr_t)&fspath, xdr_ppathcnf,
2187                 (caddr_t)&p, timeout);
2188             if (rpc_stat != RPC_SUCCESS) {
2189                 pr_err(gettext(
2190                     "%s:%s: server not responding %s\n"),
2191                     fshost, fspath, clnt_sperror(cl, ""));
2192                 free(args->fh);
2193                 clnt_destroy(cl);
2194                 return (RET_RETRY);
2195             }
2196             if (_PC_ISSET(_PC_ERROR, p.pc_mask)) {
2197                 pr_err(gettext(
2198                     "%s:%s: no pathconf info\n"),
2199                     fshost, fspath);
2200                 free(args->fh);
2201                 clnt_destroy(cl);
2202                 return (RET_ERR);
2203             }
2204             args->flags |= NFSMNT_POSIX;
2205             args->pathconf = malloc(sizeof (p));
2206             if (args->pathconf == NULL) {
2207                 pr_err(gettext("no memory\n"));
2208                 free(args->fh);
2209                 clnt_destroy(cl);

```

```

2207         return (RET_ERR);
2208     }
2209     memcpy((caddr_t)args->pathconf, (caddr_t)&p,
2210           sizeof (p));
2211 }
2212 break;

2214 case MOUNTVERS3:
2215     *versp = nfsvers_to_use = NFS_V3;
2216     rpc_stat = clnt_call(cl, MOUNTPROC_MNT, xdr_dirpath,
2217                       (caddr_t)&fspath, xdr_mountres3,
2218                       (caddr_t)&mountres3, timeout);
2219     if (rpc_stat != RPC_SUCCESS) {
2220         pr_err(gettext("%s:%s: server not responding %s\n"),
2221              fshost, fspath, clnt_sperror(cl, ""));
2222         clnt_destroy(cl);
2223         return (RET_RETRY);
2224     }

2226 /*
2227  * Assume here that most of the MNT3ERR_*
2228  * codes map into E* errors.
2229  */
2230 if ((errno = mountres3.fhs_status) != MNT_OK) {
2231     if (loud_on_mnt_err) {
2232         switch (errno) {
2233             case MNT3ERR_NAME_TOO_LONG:
2234                 msg = "path name is too long";
2235                 break;
2236             case MNT3ERR_NOTSUPP:
2237                 msg = "operation not supported";
2238                 break;
2239             case MNT3ERR_SERVERFAULT:
2240                 msg = "server fault";
2241                 break;
2242             default:
2243                 msg = strerror(errno);
2244                 break;
2245         }

2247         pr_err(gettext("%s:%s: %s\n"),
2248              fshost, fspath, msg);
2249         pr_err(gettext("%s:%s: %s\n"), fshost, fspath, msg);

2251         clnt_destroy(cl);
2252         return (RET_MNTERR);
2253     }

2255     fh3p = (nfs_fh3 *)malloc(sizeof (*fh3p));
2256     if (fh3p == NULL) {
2257         pr_err(gettext("no memory\n"));
2258         return (RET_ERR);
2259     }
2260     fh3p->fh3_length =
2261         mountres3.mountres3_u.mountinfo.fhandle.fhandle3_len;
2262     (void) memcpy(fh3p->fh3_u.data,
2263                 mountres3.mountres3_u.mountinfo.fhandle.fhandle3_val,
2264                 fh3p->fh3_length);
2265     args->fh = (caddr_t)fh3p;
2266     fstype = MNTTYPE_NFS3;

2268 /*
2269  * Check the security flavor to be used.

```

```

2270     *
2271     * If "secure" or "sec=flavor" is a mount
2272     * option, check if the server supports the "flavor".
2273     * If the server does not support the flavor, return
2274     * error.
2275     *
2276     * If no mount option is given then use the first supported
2277     * security flavor (by the client) in the auth list returned
2278     * from the server.
2279     */
2280     auths =
2281         mountres3.mountres3_u.mountinfo.auth_flavors.
2282         auth_flavors_val;
2283     mountres3.mountres3_u.mountinfo.auth_flavors.auth_flavors_val;
2284     count =
2285         mountres3.mountres3_u.mountinfo.auth_flavors.
2286         auth_flavors_len;
2287     mountres3.mountres3_u.mountinfo.auth_flavors.auth_flavors_len;

2288     if (sec_opt) {
2289         for (i = 0; i < count; i++) {
2290             if (auths[i] == nfs_sec.sc_nfsnum)
2291                 break;
2292         }
2293         if (i >= count)
2294             if (i >= count) {
2295                 goto autherr;
2296             }
2297         } else {
2298             if (count > 0) {
2299                 for (i = 0; i < count; i++) {
2300                     if (!nfs_getseconfig_bynumber(auths[i],
2301                                                    &nfs_sec)) {
2302                         if (!nfs_getseconfig_bynumber(auths[i], &nfs_sec)) {
2303                             sec_opt++;
2304                             break;
2305                         }
2306                     }
2307                 }
2308                 if (i >= count)
2309                     goto autherr;
2310             }
2311             break;
2312         default:
2313             pr_err(gettext("%s:%s: Unknown MOUNT version %d\n"),
2314                  fshost, fspath, outvers);
2315             clnt_destroy(cl);
2316             return (RET_ERR);
2317         }

2317     clnt_destroy(cl);
2318     return (RET_OK);

2320 autherr:
2321     pr_err(gettext(
2322         "security mode does not match the server exporting %s:%s\n"),
2323         fshost, fspath);
2324     clnt_destroy(cl);
2325     return (RET_ERR);
2326 }

2328 /*

```



```

2329 * Fill in the address for the server's NFS service and
2330 * fill in a knetconfig structure for the transport that
2331 * the service is available on.
2332 */
2333 static int
2334 getaddr_nfs(struct nfs_args *args, char *fshost, struct netconfig **nconfp,
2335            bool_t get_pubfh, char *fspath, ushort_t port, err_ret_t *error,
2336            bool_t print_rpcerror)
2337 {
2338     struct stat sb;
2339     struct netconfig *nconf;
2340     struct knetconfig *knconfp;
2341     static int printed = 0;
2342     struct t_info tinfo;
2343     err_ret_t addr_error;
2344
2345     SET_ERR_RET(error, ERR_PROTO_NONE, 0);
2346     SET_ERR_RET(&addr_error, ERR_PROTO_NONE, 0);
2347
2348     if (nfs_proto) {
2349         /*
2350          * If a proto is specified and its rdma try this. The kernel
2351          * will later do the reachability test and fail form there
2352          * if rdma transport is not available to kernel rpc
2353          */
2354         if (strcmp(nfs_proto, "rdma") == 0) {
2355             args->addr = get_addr(fshost, NFS_PROGRAM,
2356                                 nfsvers_to_use, nconfp, NULL, port, &tinfo,
2357                                 &args->fh, get_pubfh, fspath, &addr_error);
2358
2359             args->flags |= NFSMNT_DORDMA;
2360         } else {
2361             args->addr = get_addr(fshost, NFS_PROGRAM,
2362                                 nfsvers_to_use, nconfp, nfs_proto, port, &tinfo,
2363                                 &args->fh, get_pubfh, fspath, &addr_error);
2364         }
2365     } else {
2366         args->addr = get_addr(fshost, NFS_PROGRAM, nfsvers_to_use,
2367                             nconfp, nfs_proto, port, &tinfo, &args->fh, get_pubfh,
2368                             fspath, &addr_error);
2369         /*
2370          * If no proto is specified set this flag.
2371          * Kernel mount code will try to use RDMA if its on the
2372          * system, otherwise it will keep on using the protocol
2373          * selected here, through the above get_addr call.
2374          */
2375         if (nfs_proto == NULL)
2376             args->flags |= NFSMNT_TRYRDMA;
2377     }
2378
2379     if (args->addr == NULL) {
2380         /*
2381          * We could have failed because the server had no public
2382          * file handle support. So don't print a message and don't
2383          * retry.
2384          */
2385         if (get_pubfh == TRUE)
2386             return (RET_ERR);
2387
2388         if (!printed) {
2389             switch (addr_error.error_type) {
2390             case 0:
2391                 printed = 1;
2392                 break;
2393             case ERR_RPCERROR:
2394                 /* no error print at this time */

```

```

2395         if (!print_rpcerror)
2396             /* no error print at this time */
2397             break;
2398         pr_err(gettext("%s NFS service not
2399                    " available %s\n"), fshost,
2400              clnt_sperrno(addr_error.error_value));
2401         printed = 1;
2402         break;
2403     case ERR_NETPATH:
2404         pr_err(gettext("%s: Error in NETPATH.\n"),
2405              fshost);
2406         printed = 1;
2407         break;
2408     case ERR_PROTO_INVALID:
2409         pr_err(gettext("%s: NFS service does not
2410                    " recognize protocol: %s.\n"), fshost,
2411              nfs_proto);
2412         printed = 1;
2413         break;
2414     case ERR_PROTO_UNSUPP:
2415         if (nfsvers || nfsvers_to_use == NFS_VERSMIN) {
2416             /*
2417              * Don't set "printed" here. Since we
2418              * have to keep checking here till we
2419              * exhaust transport errors on all vers.
2420              * Print this message if:
2421              * 1. After we have tried all versions
2422              *   of NFS and none support the asked
2423              *   transport.
2424              * 2. If a version is specified and it
2425              *   does'nt support the asked
2426              *   transport.
2427              * Otherwise we decrement the version
2428              * and retry below.
2429              */
2430             pr_err(gettext("%s: NFS service does
2431                    " not support protocol: %s.\n"),
2432                   fshost, nfs_proto);
2433         }
2434         break;
2435     case ERR_NOHOST:
2436         pr_err("%s: %s\n", fshost, "Unknown host");
2437         printed = 1;
2438         break;
2439     default:
2440         /* case ERR_PROTO_NONE falls through */
2441         pr_err(gettext("%s: NFS service not responding
2442                    "\n"), fshost);
2443         printed = 1;
2444         break;
2445     }
2446 }
2447
2448 SET_ERR_RET(error,
2449            addr_error.error_type, addr_error.error_value);
2450 if (addr_error.error_type == ERR_PROTO_NONE)
2451     return (RET_RETRY);
2452 else if (addr_error.error_type == ERR_RPCERROR &&
2453         ! IS_UNRECOVERABLE_RPC(addr_error.error_value)) {
2454     return (RET_RETRY);
2455 } else if (nfsvers == 0 && addr_error.error_type ==
2456           ERR_PROTO_UNSUPP && nfsvers_to_use != NFS_VERSMIN) {
2457     /*
2458     */
2459 }

```

```
2460             * If no version is specified, and the error is due
2461             * to an unsupported transport, then decrement the
2462             * version and retry.
2463             */
2464             return (RET_RETRY);
2465         } else
2466             return (RET_ERR);
2467     }
2468     nconf = *nconfp;
2469
2470     if (stat(nconf->nc_device, &sb) < 0) {
2471         pr_err(gettext("getaddr_nfs: couldn't stat: %s: %s\n"),
2472             nconf->nc_device, strerror(errno));
2473         return (RET_ERR);
2474     }
2475
2476     knconfp = (struct knetconfig *)malloc(sizeof (*knconfp));
2477     if (!knconfp) {
2478         pr_err(gettext("no memory\n"));
2479         return (RET_ERR);
2480     }
2481     knconfp->knc_semantics = nconf->nc_semantics;
2482     knconfp->knc_protofmly = nconf->nc_protofmly;
2483     knconfp->knc_proto = nconf->nc_proto;
2484     knconfp->knc_rdev = sb.st_rdev;
2485
2486     /* make sure we don't overload the transport */
2487     if (tinfo.tsdu > 0 && tinfo.tsdu < NFS_MAXDATA + NFS_RPC_HDR) {
2488         args->flags |= (NFSMNT_RSIZE | NFSMNT_WSIZE);
2489         if (args->rsize == 0 || args->rsize > tinfo.tsdu - NFS_RPC_HDR)
2490             args->rsize = tinfo.tsdu - NFS_RPC_HDR;
2491         if (args->wsz == 0 || args->wsz > tinfo.tsdu - NFS_RPC_HDR)
2492             args->wsz = tinfo.tsdu - NFS_RPC_HDR;
2493     }
2494
2495     args->flags |= NFSMNT_KNCONF;
2496     args->knconf = knconfp;
2497     return (RET_OK);
2498 }
2499
2500 _____unchanged_portion_omitted_____
```

new/usr/src/cmd/fs.d/nfs/umount/umount.c

1

```
*****
8838 Mon Oct 29 22:52:07 2007
new/usr/src/cmd/fs.d/nfs/umount/umount.c
*** NO COMMENTS ***
*****
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 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 * University Copyright- Copyright (c) 1982, 1986, 1988
31 * The Regents of the University of California
32 * All Rights Reserved
33 *
34 * University Acknowledgment- Portions of this document are derived from
35 * software developed by the University of California, Berkeley, and its
36 * contributors.
37 */

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

41 /*
42  * nfs umount
43  */

45 #include <stdio.h>
46 #include <stdlib.h>
47 #include <string.h>
48 #include <stdarg.h>
49 #include <signal.h>
50 #include <unistd.h>
51 #include <kstat.h>
52 #include <rpc/rpc.h>
53 #include <sys/mnttab.h>
54 #include <sys/mount.h>
55 #include <sys/mntent.h>
56 #include <nfs/nfs.h>
57 #include <nfs/nfs_clnt.h>
58 #include <rpcsvc/mount.h>
59 #include <errno.h>
60 #include <locale.h>
61 #include <fslib.h>
```

new/usr/src/cmd/fs.d/nfs/umount/umount.c

2

```
62 #include <priv.h>
63 #include <tsol/label.h>
64 #include "replica.h"

66 #define RET_OK 0
67 #define RET_ERR 32

69 #ifdef __STDC__
70 static void pr_err(const char *fmt, ...);
71 #else
72 static void pr_err(char *fmt, va_dcl);
73 #endif
74 static void usage();
75 static int nfs_unmount(char *, int);
76 static void inform_server(char *, char *, bool_t);
77 static struct extmnttab *mnttab_find();
78 extern int _clnt_bindresvport(CLIENT *);
78 extern int _clnt_bindresvport();

80 static int is_v4_mount(struct extmnttab *);

82 static char *myname;
83 static char typename[64];

85 int
86 main(int argc, char *argv[])
87 {
88     extern int optind;
89     int c;
90     int umnt_flag = 0;

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

94 #if !defined(TEXT_DOMAIN)
95 #define TEXT_DOMAIN "SYS_TEST"
96 #endif
97     (void) textdomain(TEXT_DOMAIN);

99     myname = strrchr(argv[0], '/');
100     myname = myname ? myname+1 : argv[0];
101     (void) snprintf(typename, sizeof(typename), "nfs %s", myname);
101     (void) sprintf(typename, "nfs %s", myname);
102     argv[0] = typename;

104     /*
105      * Set options
106      */
107     while ((c = getopt(argc, argv, "f")) != EOF) {
108         switch (c) {
109             case 'f':
110                 umnt_flag |= MS_FORCE; /* forced unmount is desired */
111                 break;
112             default:
113                 usage();
114                 exit(RET_ERR);
115         }
116     }
117     if (argc - optind != 1) {
118         usage();
119         exit(RET_ERR);
120     }

122     if (!priv_ineffect(PRIV_SYS_MOUNT) ||
123         !priv_ineffect(PRIV_NET_PRIVADDR)) {
124         pr_err(gettext("insufficient privileges\n"));
125         exit(RET_ERR);
126     }
127 }
```

```

126     }
128     /*
129     * On a labeled system, a MAC flag may be needed if the mount is
130     * read-down, so attempt to assert it but ignore errors in any case.
131     */
132     if (is_system_labeled())
133         (void) setpflags(NET_MAC_AWARE, 1);

```

```

135     /*
136     * exit, really
137     */
138     return (nfs_unmount(argv[optind], umnt_flag));
139 }

```

unchanged portion omitted

```

153 static void
154 usage()
155 {
156     (void) fprintf(stderr,
157         gettext("Usage: nfs umount [-f] {server:path | dir}\n"));
157     gettext("Usage: nfs umount [-o opts] {server:path | dir}\n");
158     exit(RET_ERR);
159 }

```

unchanged portion omitted

```

201 /*
202 * Find the mnttab entry that corresponds to "name".
203 * We're not sure what the name represents: either
204 * a mountpoint name, or a special name (server:/path).
205 * Return the last entry in the file that matches.
206 */

```

```

207 static struct extmnttab *
208 mnttab_find(dirname)
209     char *dirname;
210 {
211     FILE *fp;
212     struct extmnttab mnt;
213     struct extmnttab *res = NULL;
214
215     fp = fopen(MNTTAB, "r");
216     if (fp == NULL) {
217         pr_err("%s: %s\n", MNTTAB, strerror(errno));
218         return (NULL);
219     }
220     while (getextmntent(fp, &mnt, sizeof (struct extmnttab)) == 0) {
221         if (strcmp(mnt.mnt_mountp, dirname) == 0 ||
222             strcmp(mnt.mnt_special, dirname) == 0) {
223             if (res)
224                 fsfreemnttab(res);
225             res = fsdupmnttab(&mnt);
226         }
227     }

```

```

229     (void) fclose(fp);
229     fclose(fp);
230     return (res);
231 }

```

unchanged portion omitted

```

355 /*
356 * This function's behavior is taken from nfsstat.
357 * Trying to determine what NFS version was used for the mount.
358 */
359 int
360 is_v4_mount(struct extmnttab *mntp)

```

```

361 {
362     kstat_ctl_t *kc = NULL;          /* libkstat cookie */
363     kstat_t *ksp;
364     ulong_t fsid;
364     struct mntinfo_kstat mik;
365
366     if (mntp == NULL)
367         return (FALSE);
368
369     if ((kc = kstat_open()) == NULL)
370         return (FALSE);
371
372     for (ksp = kc->kc_chain; ksp; ksp = ksp->ks_next) {
373         if (ksp->ks_type != KSTAT_TYPE_RAW)
374             continue;
375         if (strcmp(ksp->ks_module, "nfs") != 0)
376             continue;
377         if (strcmp(ksp->ks_name, "mntinfo") != 0)
378             continue;
379         if (mntp->mnt_minor != ksp->ks_instance)
380             continue;
381
382         if (kstat_read(kc, ksp, &mik) == -1)
383             continue;
384
385         if (mik.mik_vers == 4)
386             return (TRUE);
387         else
388             return (FALSE);
389     }
390     return (FALSE);
391 }

```

unchanged portion omitted

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

1

1613 Mon Oct 29 22:52:08 2007

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

*** NO COMMENTS ***

```
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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 #
25 # ident "%Z%M% %I% %E% SMI"
26 #

28 LIBRARY= librpsvc.a
29 VERS = .1

31 OBJECTS= rstat_simple.o rstat_xdr.o rusers_simple.o rusersxdr.o rusers_xdr.o \
32          rwallxdr.o spray_xdr.o nlm_prot.o sm_inter_xdr.o nsm_addr_xdr.o \
33          bootparam_prot_xdr.o mount_xdr.o mountlist_xdr.o rpc_sotypes.o \
34          bindresvport.o

36 # include library definitions
37 include ../../Makefile.lib

39 # install this library in the root filesystem
40 include ../../Makefile.rootfs

42 SRCDIR =      ../common

44 pics/%.o: ../common/%.c
45     $(COMPILE.c) -o $@ $<
46     $(POST_PROCESS_O)

48 LIBS = $(DYNLIB) $(LINTLIB)
48 LIBS = $(DYNLIB)

50 CPPFLAGS += -DYP

52 $(LINTLIB):= SRCS = $(SRCDIR)/$(LINTSRC)

54 LDLIBS += -lnsl -lc

56 .KEEP_STATE:

58 lint: lintcheck

60 # include library targets
```

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

2

61 include ../../Makefile.targ

new/usr/src/lib/librpsvc/i386/Makefile

1

1021 Mon Oct 29 22:52:08 2007

new/usr/src/lib/librpsvc/i386/Makefile

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24 #
25 # ident "%Z%M% %I% %E% SMI"
26 #

28 include ../Makefile.com

30 all: $(LIBS)

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

new/usr/src/lib/librpsvc/sparc/Makefile

1

1021 Mon Oct 29 22:52:09 2007

new/usr/src/lib/librpsvc/sparc/Makefile

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21 #
22 # Copyright 2006 Sun Microsystems, Inc. All rights reserved.
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24 #
25 # ident "%Z%M% %I% %E% SMI"
26 #

28 include ../Makefile.com

30 all: $(LIBS)

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

new/usr/src/lib/librpsvc/sparcv9/Makefile

1

1055 Mon Oct 29 22:52:10 2007

new/usr/src/lib/librpsvc/sparcv9/Makefile

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19 # CDDL HEADER END
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21 #
22 # Copyright 2006 Sun Microsystems, Inc. All rights reserved.
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24 #
25 # ident "%Z%M% %I% %E% SMI"
26 #
27 #
28 include ../Makefile.com
29 include ../../Makefile.lib.64
30 #
31 all: $(LIBS)
32 #
33 install: all $(ROOTLIBS64) $(ROOTLINKS64) $(ROOTLINT)
33 install: all $(ROOTLIBS64) $(ROOTLINKS64)
```


new/usr/src/pkgdefs/SUNWarc/prototype_com

1

```
*****
11345 Mon Oct 29 22:52:11 2007
new/usr/src/pkgdefs/SUNWarc/prototype_com
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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

22 #
23 #
24 # Copyright 2007 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 # ident "%Z%M% %I% %E% SMI"
28 #
29 # This required package information file contains a list of package contents.
30 # The 'pkgmk' command uses this file to identify the contents of a package
31 # and their location on the development machine when building the package.
32 # Can be created via a text editor or through use of the 'pkgproto' command.

34 #!search <pathname pathname ...> # where to find pkg objects
35 #!include <filename> # include another 'prototype' file
36 #!default <mode> <owner> <group> # default used if not specified on entry
37 #!<param>=<value> # puts parameter in pkg environment

39 # packaging files
40 i pkginfo
41 i copyright
42 i depend
43 i postinstall
44 i preremove
45 #
46 # source locations relative to the prototype file
47 #
48 # SUNWarc
49 #
50 d none usr 755 root sys
51 d none usr/ccs 755 root bin
52 d none usr/ccs/lib 755 root bin
53 d none usr/lib/fp 755 root bin
54 d none usr/lib/fp/libp 755 root bin
55 s none usr/ccs/lib/fp=../lib/fp
56 f none usr/lib/crti.o 644 root bin
57 f none usr/lib/crtn.o 644 root bin
58 f none usr/lib/values-xpg4.o 644 root bin
59 s none usr/ccs/lib/values-xpg4.o=../lib/values-xpg4.o
60 f none usr/lib/values-xpg6.o 644 root bin
61 s none usr/ccs/lib/values-xpg6.o=../lib/values-xpg6.o
```

new/usr/src/pkgdefs/SUNWarc/prototype_com

2

```
62 f none usr/lib/values-Xa.o 644 root bin
63 s none usr/ccs/lib/values-Xa.o=../lib/values-Xa.o
64 f none usr/lib/values-Xc.o 644 root bin
65 s none usr/ccs/lib/values-Xc.o=../lib/values-Xc.o
66 f none usr/lib/values-Xs.o 644 root bin
67 s none usr/ccs/lib/values-Xs.o=../lib/values-Xs.o
68 f none usr/lib/values-Xt.o 644 root bin
69 s none usr/ccs/lib/values-Xt.o=../lib/values-Xt.o
70 d none usr/lib 755 root bin
71 s none usr/lib/llib-ladm=../lib/llib-ladm
72 s none usr/lib/llib-ladm.ln=../lib/llib-ladm.ln
73 s none usr/lib/llib-laio=../lib/llib-laio
74 s none usr/lib/llib-laio.ln=../lib/llib-laio.ln
75 s none usr/lib/llib-lpam=../lib/llib-lpam
76 s none usr/lib/llib-lpam.ln=../lib/llib-lpam.ln
77 f none usr/lib/llib-lbsdmalloc 644 root bin
78 f none usr/lib/llib-lbsdmalloc.ln 644 root bin
79 s none usr/lib/llib-lbsm=../lib/llib-lbsm
80 s none usr/lib/llib-lbsm.ln=../lib/llib-lbsm.ln
81 s none usr/lib/llib-lc=../lib/llib-lc
82 s none usr/lib/llib-lc.ln=../lib/llib-lc.ln
83 f none usr/lib/llib-lcrypt 644 root bin
84 f none usr/lib/llib-lcrypt.ln 644 root bin
85 f none usr/lib/llib-lcfgadm 644 root bin
86 f none usr/lib/llib-lcfgadm.ln 644 root bin
87 s none usr/lib/llib-lcontract=../lib/llib-lcontract
88 s none usr/lib/llib-lcontract.ln=../lib/llib-lcontract.ln
89 s none usr/lib/llib-lctf=../lib/llib-lctf
90 s none usr/lib/llib-lctf.ln=../lib/llib-lctf.ln
91 s none usr/lib/llib-lcurses=../lib/llib-lcurses
92 s none usr/ccs/lib/llib-lcurses=../lib/llib-lcurses
93 s none usr/lib/llib-lcurses.ln=../lib/llib-lcurses.ln
94 s none usr/ccs/lib/llib-lcurses.ln=../lib/llib-lcurses.ln
95 s none usr/lib/llib-ltermlib=../lib/llib-lcurses
96 s none usr/ccs/lib/llib-ltermlib=../lib/llib-lcurses
97 s none usr/lib/llib-ltermlib.ln=../lib/llib-lcurses.ln
98 s none usr/ccs/lib/llib-ltermlib.ln=../lib/llib-lcurses.ln
99 s none usr/lib/llib-ltermcap=../lib/llib-lcurses
100 s none usr/ccs/lib/llib-ltermcap=../lib/llib-lcurses
101 s none usr/lib/llib-ltermcap.ln=../lib/llib-lcurses.ln
102 s none usr/ccs/lib/llib-ltermcap.ln=../lib/llib-lcurses.ln
103 s none usr/lib/llib-ldevice=../lib/llib-ldevice
104 s none usr/lib/llib-ldevice.ln=../lib/llib-ldevice.ln
105 s none usr/lib/llib-ldevid=../lib/llib-ldevid
106 s none usr/lib/llib-ldevid.ln=../lib/llib-ldevid.ln
107 s none usr/lib/llib-ldevinfo=../lib/llib-ldevinfo
108 s none usr/lib/llib-ldevinfo.ln=../lib/llib-ldevinfo.ln
109 s none usr/lib/llib-ldoor=../lib/llib-ldoor
110 s none usr/lib/llib-ldoor.ln=../lib/llib-ldoor.ln
111 s none usr/lib/llib-lefi=../lib/llib-lefi
112 s none usr/lib/llib-lefi.ln=../lib/llib-lefi.ln
113 f none usr/lib/llib-lfstyp 644 root bin
114 f none usr/lib/llib-lfstyp.ln 644 root bin
115 f none usr/lib/llib-lexacct 644 root bin
116 f none usr/lib/llib-lexacct.ln 644 root bin
117 f none usr/lib/llib-lidmap 644 root bin
118 f none usr/lib/llib-lidmap.ln 644 root bin
119 s none usr/lib/llib-lintl=../lib/llib-lintl
120 s none usr/lib/llib-lintl.ln=../lib/llib-lintl.ln
121 f none usr/lib/llib-lipmi 644 root bin
122 f none usr/lib/llib-lipmi.ln 644 root bin
123 f none usr/lib/llib-lipp 644 root bin
124 f none usr/lib/llib-lipp.ln 644 root bin
125 f none usr/lib/llib-lipp 644 root bin
126 f none usr/lib/llib-lipp.ln 644 root bin
127 f none usr/lib/llib-lkmf.ln 644 root bin
```

```

128 f none usr/lib/llib-lkmfberder.ln 644 root bin
129 s none usr/lib/llib-lkstat=../lib/llib-lkstat
130 s none usr/lib/llib-lkstat.ln=../lib/llib-lkstat.ln
131 f none usr/lib/llib-lkvm 644 root bin
132 f none usr/lib/llib-lkvm.ln 644 root bin
133 f none usr/lib/llib-ldap 644 root bin
134 f none usr/lib/llib-ldap.ln 644 root bin
135 f none usr/lib/llib-llgrp 644 root bin
136 f none usr/lib/llib-llgrp.ln 644 root bin
137 f none usr/lib/llib-lmail 644 root bin
138 f none usr/lib/llib-lmail.ln 644 root bin
139 f none usr/lib/llib-lmapmalloc 644 root bin
140 f none usr/lib/llib-lmapmalloc.ln 644 root bin
141 s none usr/lib/llib-lmd5=../lib/llib-lmd5
142 s none usr/lib/llib-lmd5.ln=../lib/llib-lmd5.ln
143 f none usr/lib/llib-lmtmalloc.ln 644 root bin
144 f none usr/lib/llib-lnls 644 root bin
145 f none usr/lib/llib-lnls.ln 644 root bin
146 s none usr/lib/llib-lnsl=../lib/llib-lnsl
147 s none usr/lib/llib-lnsl.ln=../lib/llib-lnsl.ln
148 s none usr/lib/llib-lnvpair=../lib/llib-lnvpair
149 s none usr/lib/llib-lnvpair.ln=../lib/llib-lnvpair.ln
150 f none usr/lib/llib-lpkcs11 644 root bin
151 f none usr/lib/llib-lpkcs11.ln 644 root bin
152 f none usr/lib/llib-lplot 644 root bin
153 f none usr/lib/llib-lplot.ln 644 root bin
154 s none usr/lib/llib-lposix4=../lib/llib-lrt
155 s none usr/lib/llib-lposix4.ln=../lib/llib-lrt.ln
156 f none usr/lib/llib-lproject 644 root bin
157 f none usr/lib/llib-lproject.ln 644 root bin
158 f none usr/lib/llib-lrcm 644 root bin
159 f none usr/lib/llib-lrcm.ln 644 root bin
160 s none usr/lib/llib-lresolv=../lib/llib-lresolv
161 s none usr/lib/llib-lresolv.ln=../lib/llib-lresolv.ln
162 s none usr/lib/llib-lrpcsvc=../lib/llib-lrpcsvc
163 s none usr/lib/llib-lrpcsvc.ln=../lib/llib-lrpcsvc.ln
164 s none usr/lib/llib-lrt=../lib/llib-lrt
165 s none usr/lib/llib-lrt.ln=../lib/llib-lrt.ln
166 s none usr/lib/llib-lrtld_db=../lib/llib-lrtld_db
167 s none usr/lib/llib-lrtld_db.ln=../lib/llib-lrtld_db.ln
168 f none usr/lib/llib-lsasl 644 root bin
169 f none usr/lib/llib-lsasl.ln 644 root bin
170 s none usr/lib/llib-lscf=../lib/llib-lscf
171 s none usr/lib/llib-lscf.ln=../lib/llib-lscf.ln
172 f none usr/lib/llib-lsched 644 root bin
173 f none usr/lib/llib-lsched.ln 644 root bin
174 f none usr/lib/llib-lsctp.ln 644 root bin
175 f none usr/lib/llib-lsctp 644 root bin
176 s none usr/lib/llib-lsec=../lib/llib-lsec
177 s none usr/lib/llib-lsec.ln=../lib/llib-lsec.ln
178 s none usr/lib/llib-lsecdb=../lib/llib-lsecdb
179 s none usr/lib/llib-lsecdb.ln=../lib/llib-lsecdb.ln
180 s none usr/lib/llib-lsendfile=../lib/llib-lsendfile
181 s none usr/lib/llib-lsendfile.ln=../lib/llib-lsendfile.ln
182 f none usr/lib/llib-lshare.ln 644 root bin
183 f none usr/lib/llib-lshare 644 root bin
184 f none usr/lib/llib-lsip.ln 644 root bin
185 f none usr/lib/llib-lsip 644 root bin
186 f none usr/lib/llib-lsldap.ln 644 root bin
187 f none usr/lib/llib-lsldap 644 root bin
188 f none usr/lib/llib-lsmbios 644 root bin
189 f none usr/lib/llib-lsmbios.ln 644 root bin
190 s none usr/lib/llib-lsocket=../lib/llib-lsocket
191 s none usr/lib/llib-lsocket.ln=../lib/llib-lsocket.ln
192 f none usr/lib/llib-lssagent 644 root bin
193 f none usr/lib/llib-lssagent.ln 644 root bin

```

```

194 f none usr/lib/llib-lssasmp 644 root bin
195 f none usr/lib/llib-lssasmp.ln 644 root bin
196 s none usr/lib/llib-lsysevent=../lib/llib-lsysevent
197 s none usr/lib/llib-lsysevent.ln=../lib/llib-lsysevent.ln
198 s none usr/lib/llib-ltsnet.ln=../lib/llib-ltsnet.ln
199 s none usr/lib/llib-ltsol.ln=../lib/llib-ltsol.ln
200 s none usr/lib/llib-lumem=../lib/llib-lumem
201 s none usr/lib/llib-lumem.ln=../lib/llib-lumem.ln
202 s none usr/lib/llib-luuid=../lib/llib-luuid
203 s none usr/lib/llib-luuid.ln=../lib/llib-luuid.ln
204 f none usr/lib/llib-lzoneinfo 644 root bin
205 f none usr/lib/llib-lzoneinfo.ln 644 root bin
206 s none usr/lib/llib-ldl=../lib/llib-ldl
207 s none usr/lib/llib-ldl.ln=../lib/llib-ldl.ln
208 s none usr/lib/llib-lelf=../lib/llib-lelf
209 s none usr/lib/llib-lelf.ln=../lib/llib-lelf.ln
210 s none usr/lib/llib-lgen=../lib/llib-lgen
211 s none usr/ccs/lib/llib-lgen=../lib/llib-lgen
212 s none usr/lib/llib-lgen.ln=../lib/llib-lgen.ln
213 s none usr/ccs/lib/llib-lgen.ln=../lib/llib-lgen.ln
214 s none usr/lib/llib-lpthread=../lib/llib-lpthread
215 s none usr/lib/llib-lpthread.ln=../lib/llib-lpthread.ln
216 s none usr/lib/llib-lthread=../lib/llib-lthread
217 s none usr/lib/llib-lthread.ln=../lib/llib-lthread.ln
218 s none usr/lib/llib-lthread_db=../lib/llib-lc_db
219 s none usr/lib/llib-lthread_db.ln=../lib/llib-lc_db.ln
220 s none usr/lib/llib-lxnet=../lib/llib-lxnet
221 s none usr/lib/llib-lxnet.ln=../lib/llib-lxnet.ln
222 f none usr/lib/llib-lmalloc 644 root bin
223 f none usr/lib/llib-lmalloc.ln 644 root bin
224 f none usr/lib/llib-l300 644 root bin
225 f none usr/lib/llib-l300.ln 644 root bin
226 f none usr/lib/llib-l300s 644 root bin
227 f none usr/lib/llib-l300s.ln 644 root bin
228 f none usr/lib/llib-l4014 644 root bin
229 f none usr/lib/llib-l4014.ln 644 root bin
230 f none usr/lib/llib-l450 644 root bin
231 f none usr/lib/llib-l450.ln 644 root bin
232 f none usr/lib/llib-lvolmgt 644 root bin
233 f none usr/lib/llib-lvolmgt.ln 644 root bin
234 f none usr/lib/llib-lvt0 644 root bin
235 f none usr/lib/llib-lvt0.ln 644 root bin
236 f none usr/lib/llib-lform 644 root bin
237 s none usr/ccs/lib/llib-lform=../lib/llib-lform
238 f none usr/lib/llib-lform.ln 644 root bin
239 s none usr/ccs/lib/llib-lform.ln=../lib/llib-lform.ln
240 f none usr/lib/llib-lmenu 644 root bin
241 s none usr/ccs/lib/llib-lmenu=../lib/llib-lmenu
242 f none usr/lib/llib-lmenu.ln 644 root bin
243 s none usr/ccs/lib/llib-lmenu.ln=../lib/llib-lmenu.ln
244 f none usr/lib/llib-lpanel 644 root bin
245 s none usr/ccs/lib/llib-lpanel=../lib/llib-lpanel
246 f none usr/lib/llib-lpanel.ln 644 root bin
247 s none usr/ccs/lib/llib-lpanel.ln=../lib/llib-lpanel.ln
248 d none usr/sfw 755 root bin
249 d none usr/sfw/lib 755 root bin
250 f none usr/sfw/lib/llib-lwrap 644 root bin
251 f none usr/sfw/lib/llib-lwrap.ln 644 root bin
252 d none usr/xpg4 755 root bin
253 d none usr/xpg4/lib 755 root bin
254 f none usr/xpg4/lib/llib-lcurses 644 root bin
255 f none usr/xpg4/lib/llib-lcurses.ln 644 root bin
256 f none usr/lib/llib-lpasswdutil 644 root bin
257 f none usr/lib/llib-lpasswdutil.ln 644 root bin
258 f none usr/lib/llib-lgss 644 root bin
259 f none usr/lib/llib-lgss.ln 644 root bin

```

new/usr/src/pkgdefs/SUNWarc/prototype_i386

1

```
*****
8627 Mon Oct 29 22:52:12 2007
new/usr/src/pkgdefs/SUNWarc/prototype_i386
*** NO COMMENTS ***
*****
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

22 #
23 #
24 # Copyright 2007 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 # ident "%Z%M% %I% %E% SMI"
28 #
29 # This required package information file contains a list of package contents.
30 # The 'pkgmk' command uses this file to identify the contents of a package
31 # and their location on the development machine when building the package.
32 # Can be created via a text editor or through use of the 'pkgproto' command.

34 #!search <pathname pathname ...> # where to find pkg objects
35 #!include <filename> # include another 'prototype' file
36 #!default <mode> <owner> <group> # default used if not specified on entry
37 #!<param>=<value> # puts parameter in pkg environment

39 #
40 # Include ISA independent files (prototype_com)
41 #
42 !include prototype_com
43 #
44 #
45 #
46 # List files which are I386 specific here
47 #
48 # source locations relative to the prototype file
49 #
50 #
51 # SUNWarc
52 #
53 d none usr/ccs/lib/amd64 755 root bin
54 d none usr/xpg4/lib/amd64 755 root bin
55 f none usr/lib/crt1.o 644 root bin
56 f none usr/lib/gcrt1.o 644 root bin
57 d none usr/lib/amd64 755 root bin
58 f none usr/lib/amd64/crti.o 644 root bin
59 f none usr/lib/amd64/crtn.o 644 root bin
60 f none usr/lib/amd64/crt1.o 644 root bin
61 f none usr/lib/amd64/gcrt1.o 644 root bin
```

new/usr/src/pkgdefs/SUNWarc/prototype_i386

2

```
62 f none usr/lib/amd64/values-Xa.o 644 root bin
63 f none usr/lib/amd64/values-Xc.o 644 root bin
64 f none usr/lib/amd64/values-Xs.o 644 root bin
65 f none usr/lib/amd64/values-Xt.o 644 root bin
66 f none usr/lib/amd64/values-xpg4.o 644 root bin
67 f none usr/lib/amd64/values-xpg6.o 644 root bin
68 s none usr/lib/amd64/llib-ladm.ln=../../../../lib/amd64/llib-ladm.ln
69 s none usr/lib/amd64/llib-laio.ln=../../../../lib/amd64/llib-laio.ln
70 f none usr/lib/amd64/llib-lbsdmmalloc.ln 644 root bin
71 s none usr/lib/amd64/llib-lbsm.ln=../../../../lib/amd64/llib-lbsm.ln
72 s none usr/lib/amd64/llib-lpam.ln=../../../../lib/amd64/llib-lpam.ln
73 s none usr/lib/amd64/llib-lc.ln=../../../../lib/amd64/llib-lc.ln
74 f none usr/lib/amd64/llib-lcfgadm.ln 644 root bin
75 s none usr/lib/amd64/llib-lcontract.ln=../../../../lib/amd64/llib-lcontract.ln
76 s none usr/lib/amd64/llib-lctf.ln=../../../../lib/amd64/llib-lctf.ln
77 f none usr/lib/amd64/llib-lcrypt.ln 644 root bin
78 s none usr/lib/amd64/llib-lcurses=../../../../lib/amd64/llib-lcurses
79 s none usr/lib/amd64/llib-lcurses.ln=../../../../lib/amd64/llib-lcurses.ln
80 s none usr/lib/amd64/llib-ldevice.ln=../../../../lib/amd64/llib-ldevice.ln
81 s none usr/lib/amd64/llib-ldevid.ln=../../../../lib/amd64/llib-ldevid.ln
82 s none usr/lib/amd64/llib-ldevinfo.ln=../../../../lib/amd64/llib-ldevinfo.ln
83 s none usr/lib/amd64/llib-ldl.ln=../../../../lib/amd64/llib-ldl.ln
84 s none usr/lib/amd64/llib-ldoor.ln=../../../../lib/amd64/llib-ldoor.ln
85 s none usr/lib/amd64/llib-lefi.ln=../../../../lib/amd64/llib-lefi.ln
86 s none usr/lib/amd64/llib-lelf.ln=../../../../lib/amd64/llib-lelf.ln
87 f none usr/lib/amd64/llib-lexact.ln 644 root bin
88 f none usr/lib/amd64/llib-lidmap.ln 644 root bin
89 f none usr/lib/amd64/llib-lform.ln 644 root bin
90 s none usr/lib/amd64/llib-lgen.ln=../../../../lib/amd64/llib-lgen.ln
91 f none usr/lib/amd64/llib-lgss.ln 644 root bin
92 s none usr/lib/amd64/llib-lintl.ln=../../../../lib/amd64/llib-lintl.ln
93 f none usr/lib/amd64/llib-lipmi.ln 644 root bin
94 f none usr/lib/amd64/llib-lipp.ln 644 root bin
95 f none usr/lib/amd64/llib-lkmf.ln 644 root bin
96 f none usr/lib/amd64/llib-lkmfberder.ln 644 root bin
97 s none usr/lib/amd64/llib-lkstat.ln=../../../../lib/amd64/llib-lkstat.ln
98 f none usr/lib/amd64/llib-lkvm.ln 644 root bin
99 f none usr/lib/amd64/llib-lldap.ln 644 root bin
100 f none usr/lib/amd64/llib-llgrp.ln 644 root bin
101 f none usr/lib/amd64/llib-lmail.ln 644 root bin
102 f none usr/lib/amd64/llib-lmalloc.ln 644 root bin
103 f none usr/lib/amd64/llib-lmapmalloc.ln 644 root bin
104 s none usr/lib/amd64/llib-lmd5.ln=../../../../lib/amd64/llib-lmd5.ln
105 f none usr/lib/amd64/llib-lmtmalloc.ln 644 root bin
106 f none usr/lib/amd64/llib-lmenu.ln 644 root bin
107 f none usr/lib/amd64/llib-lnls.ln 644 root bin
108 s none usr/lib/amd64/llib-lnsl.ln=../../../../lib/amd64/llib-lnsl.ln
109 s none usr/lib/amd64/llib-lnvpair.ln=../../../../lib/amd64/llib-lnvpair.ln
110 f none usr/lib/amd64/llib-lpanel.ln 644 root bin
111 f none usr/lib/amd64/llib-lpkcs11.ln 644 root bin
112 f none usr/lib/amd64/llib-lplot.ln 644 root bin
113 f none usr/lib/amd64/llib-lproject.ln 644 root bin
114 f none usr/lib/amd64/llib-l300.ln 644 root bin
115 f none usr/lib/amd64/llib-l300s.ln 644 root bin
116 f none usr/lib/amd64/llib-l4014.ln 644 root bin
117 f none usr/lib/amd64/llib-l450.ln 644 root bin
118 s none usr/lib/amd64/llib-lpthread.ln=../../../../lib/amd64/llib-lpthread.ln
119 s none usr/lib/amd64/llib-lresolv.ln=../../../../lib/amd64/llib-lresolv.ln
120 s none usr/lib/amd64/llib-lrpcsvc.ln=../../../../lib/amd64/llib-lrpcsvc.ln
121 s none usr/lib/amd64/llib-lrt.ln=../../../../lib/amd64/llib-lrt.ln
122 s none usr/lib/amd64/llib-lrtld_db.ln=../../../../lib/amd64/llib-lrtld_db.ln
123 f none usr/lib/amd64/llib-lpasswdutil.ln 644 root bin
124 s none usr/lib/amd64/llib-lposix4.ln=../../../../lib/amd64/llib-lrt.ln
125 f none usr/lib/amd64/llib-lrcm.ln 644 root bin
126 f none usr/lib/amd64/llib-lsas1.ln 644 root bin
127 s none usr/lib/amd64/llib-lscf.ln=../../../../lib/amd64/llib-lscf.ln
```

```
128 f none usr/lib/amd64/lib-lsched.ln 644 root bin
129 f none usr/lib/amd64/lib-lsctp.ln 644 root bin
130 s none usr/lib/amd64/lib-lsec.ln=../../../../lib/amd64/lib-lsec.ln
131 s none usr/lib/amd64/lib-lsecdb.ln=../../../../lib/amd64/lib-lsecdb.ln
132 s none usr/lib/amd64/lib-lsendfile.ln=../../../../lib/amd64/lib-lsendfile.ln
133 f none usr/lib/amd64/lib-lshare.ln 644 root bin
134 f none usr/lib/amd64/lib-lsip.ln 644 root bin
135 f none usr/lib/amd64/lib-lsldap.ln 644 root bin
136 f none usr/lib/amd64/lib-lsmbios.ln 644 root bin
137 s none usr/lib/amd64/lib-lsocket.ln=../../../../lib/amd64/lib-lsocket.ln
138 f none usr/lib/amd64/lib-lssagent.ln 644 root bin
139 f none usr/lib/amd64/lib-lssasmp.ln 644 root bin
140 s none usr/lib/amd64/lib-lsysevent.ln=../../../../lib/amd64/lib-lsysevent.ln
141 s none usr/lib/amd64/lib-ltermcap=../../../../lib/amd64/lib-lcurses
142 s none usr/lib/amd64/lib-ltermcap.ln=../../../../lib/amd64/lib-lcurses.ln
143 s none usr/lib/amd64/lib-ltermplib=../../../../lib/amd64/lib-lcurses
144 s none usr/lib/amd64/lib-ltermplib.ln=../../../../lib/amd64/lib-lcurses.ln
145 s none usr/lib/amd64/lib-lthread.ln=../../../../lib/amd64/lib-lthread.ln
146 s none usr/lib/amd64/lib-lthread_db.ln=../../../../lib/amd64/lib-lc_db.ln
147 s none usr/lib/amd64/lib-ltsnet.ln=../../../../lib/amd64/lib-ltsnet.ln
148 s none usr/lib/amd64/lib-ltsol.ln=../../../../lib/amd64/lib-ltsol.ln
149 s none usr/lib/amd64/lib-lumem.ln=../../../../lib/amd64/lib-lumem.ln
150 s none usr/lib/amd64/lib-luid.ln=../../../../lib/amd64/lib-luid.ln
151 f none usr/lib/amd64/lib-lvolmgt.ln 644 root bin
152 f none usr/lib/amd64/lib-lvt0.ln 644 root bin
153 s none usr/lib/amd64/lib-lxnet.ln=../../../../lib/amd64/lib-lxnet.ln
154 f none usr/xpg4/lib/amd64/lib-lcurses.ln 644 root bin
155 s none usr/ccs/lib/amd64/lib-lcurses.ln=../../../../lib/amd64/lib-lcurses.ln
156 s none usr/ccs/lib/amd64/lib-lform.ln=../../../../lib/amd64/lib-lform.ln
157 s none usr/ccs/lib/amd64/lib-lgen.ln=../../../../lib/amd64/lib-lgen.ln
158 s none usr/ccs/lib/amd64/lib-lmenu.ln=../../../../lib/amd64/lib-lmenu.ln
159 s none usr/ccs/lib/amd64/lib-lpanel.ln=../../../../lib/amd64/lib-lpanel.ln
160 s none usr/ccs/lib/amd64/lib-ltermplib.ln=../../../../lib/amd64/lib-lcurses.ln
161 s none usr/ccs/lib/amd64/lib-ltermcap.ln=../../../../lib/amd64/lib-lcurses.ln
162 s none usr/ccs/lib/amd64/lib-ll.ln=../../../../lib/amd64/lib-ll.ln
163 s none usr/ccs/lib/amd64/lib-ly.ln=../../../../lib/amd64/lib-ly.ln
164 s none usr/ccs/lib/amd64/values-Xa.o=../../../../lib/amd64/values-Xa.o
165 s none usr/ccs/lib/amd64/values-Xc.o=../../../../lib/amd64/values-Xc.o
166 s none usr/ccs/lib/amd64/values-Xs.o=../../../../lib/amd64/values-Xs.o
167 s none usr/ccs/lib/amd64/values-Xt.o=../../../../lib/amd64/values-Xt.o
168 s none usr/ccs/lib/amd64/values-xpg4.o=../../../../lib/amd64/values-xpg4.o
169 s none usr/ccs/lib/amd64/values-xpg6.o=../../../../lib/amd64/values-xpg6.o
170 d none usr/sfw/lib/amd64 755 root bin
171 s none usr/sfw/lib/64=amd64
```

new/usr/src/pkgdefs/SUNWarc/prototype_sparc

1

```
*****
8754 Mon Oct 29 22:52:13 2007
new/usr/src/pkgdefs/SUNWarc/prototype_sparc
*** NO COMMENTS ***
*****
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

22 #
23 #
24 # Copyright 2007 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 # ident "%Z%M% %I% %E% SMI"
28 #
29 # This required package information file contains a list of package contents.
30 # The 'pkgmk' command uses this file to identify the contents of a package
31 # and their location on the development machine when building the package.
32 # Can be created via a text editor or through use of the 'pkgproto' command.

34 #!search <pathname pathname ...> # where to find pkg objects
35 #!include <filename> # include another 'prototype' file
36 #!default <mode> <owner> <group> # default used if not specified on entry
37 #!<param>=<value> # puts parameter in pkg environment

39 #
40 # Include ISA independent files (prototype_com)
41 #
42 !include prototype_com
43 #
44 #
45 #
46 # List files which are SPARC specific here
47 #
48 # source locations relative to the prototype file
49 #
50 #
51 # SUNWarc
52 #
53 d none usr/ccs/lib/sparcv9 755 root bin
54 d none usr/xpg4/lib/sparcv9 755 root bin
55 d none usr/lib/sparcv9 755 root bin
56 f none usr/lib/sparcv9/crti.o 644 root bin
57 f none usr/lib/sparcv9/crtn.o 644 root bin
58 f none usr/lib/sparcv9/values-Xa.o 644 root bin
59 f none usr/lib/sparcv9/values-Xc.o 644 root bin
60 f none usr/lib/sparcv9/values-Xs.o 644 root bin
61 f none usr/lib/sparcv9/values-Xt.o 644 root bin
```

new/usr/src/pkgdefs/SUNWarc/prototype_sparc

2

```
62 f none usr/lib/sparcv9/values-xpg4.o 644 root bin
63 f none usr/lib/sparcv9/values-xpg6.o 644 root bin
64 s none usr/lib/sparcv9/llib-ladm.ln=../../../../lib/sparcv9/llib-ladm.ln
65 s none usr/lib/sparcv9/llib-laio.ln=../../../../lib/sparcv9/llib-laio.ln
66 f none usr/lib/sparcv9/llib-lbsdmalloc.ln 644 root bin
67 s none usr/lib/sparcv9/llib-lbsm.ln=../../../../lib/sparcv9/llib-lbsm.ln
68 s none usr/lib/sparcv9/llib-lpam.ln=../../../../lib/sparcv9/llib-lpam.ln
69 s none usr/lib/sparcv9/llib-lc.ln=../../../../lib/sparcv9/llib-lc.ln
70 f none usr/lib/sparcv9/llib-lcfgadm.ln 644 root bin
71 s none usr/lib/sparcv9/llib-lcontract.ln=../../../../lib/sparcv9/llib-lcontract.ln
72 s none usr/lib/sparcv9/llib-lctf.ln=../../../../lib/sparcv9/llib-lctf.ln
73 f none usr/lib/sparcv9/llib-lcrypt.ln 644 root bin
74 s none usr/lib/sparcv9/llib-lcurses=../../../../lib/sparcv9/llib-lcurses
75 s none usr/lib/sparcv9/llib-lcurses.ln=../../../../lib/sparcv9/llib-lcurses.ln
76 s none usr/lib/sparcv9/llib-ldevice.ln=../../../../lib/sparcv9/llib-ldevice.ln
77 s none usr/lib/sparcv9/llib-ldevic.ln=../../../../lib/sparcv9/llib-ldevic.ln
78 s none usr/lib/sparcv9/llib-ldevinfo.ln=../../../../lib/sparcv9/llib-ldevinfo.ln
79 s none usr/lib/sparcv9/llib-ldl.ln=../../../../lib/sparcv9/llib-ldl.ln
80 s none usr/lib/sparcv9/llib-ldoor.ln=../../../../lib/sparcv9/llib-ldoor.ln
81 s none usr/lib/sparcv9/llib-lefi.ln=../../../../lib/sparcv9/llib-lefi.ln
82 s none usr/lib/sparcv9/llib-lelf.ln=../../../../lib/sparcv9/llib-lelf.ln
83 f none usr/lib/sparcv9/llib-lexacct.ln 644 root bin
84 f none usr/lib/sparcv9/llib-lidmap.ln 644 root bin
85 f none usr/lib/sparcv9/llib-lform.ln 644 root bin
86 s none usr/lib/sparcv9/llib-lgen.ln=../../../../lib/sparcv9/llib-lgen.ln
87 f none usr/lib/sparcv9/llib-lgss.ln 644 root bin
88 s none usr/lib/sparcv9/llib-lintl.ln=../../../../lib/sparcv9/llib-lintl.ln
89 f none usr/lib/sparcv9/llib-lipmi.ln 644 root bin
90 f none usr/lib/sparcv9/llib-lipp.ln 644 root bin
91 f none usr/lib/sparcv9/llib-lkmf.ln 644 root bin
92 f none usr/lib/sparcv9/llib-lkmfberder.ln 644 root bin
93 s none usr/lib/sparcv9/llib-lkstat.ln=../../../../lib/sparcv9/llib-lkstat.ln
94 f none usr/lib/sparcv9/llib-lkvm.ln 644 root bin
95 f none usr/lib/sparcv9/llib-ldap.ln 644 root bin
96 f none usr/lib/sparcv9/llib-llgrp.ln 644 root bin
97 f none usr/lib/sparcv9/llib-lmail.ln 644 root bin
98 f none usr/lib/sparcv9/llib-lmalloc.ln 644 root bin
99 f none usr/lib/sparcv9/llib-lmapmalloc.ln 644 root bin
100 s none usr/lib/sparcv9/llib-lmd5.ln=../../../../lib/sparcv9/llib-lmd5.ln
101 f none usr/lib/sparcv9/llib-lmtmalloc.ln 644 root bin
102 f none usr/lib/sparcv9/llib-lmenu.ln 644 root bin
103 f none usr/lib/sparcv9/llib-lnls.ln 644 root bin
104 s none usr/lib/sparcv9/llib-lnsl.ln=../../../../lib/sparcv9/llib-lnsl.ln
105 s none usr/lib/sparcv9/llib-lnvpair.ln=../../../../lib/sparcv9/llib-lnvpair.ln
106 f none usr/lib/sparcv9/llib-lpanel.ln 644 root bin
107 f none usr/lib/sparcv9/llib-lpkcs11.ln 644 root bin
108 f none usr/lib/sparcv9/llib-lplot.ln 644 root bin
109 f none usr/lib/sparcv9/llib-lproject.ln 644 root bin
110 f none usr/lib/sparcv9/llib-l300.ln 644 root bin
111 f none usr/lib/sparcv9/llib-l300s.ln 644 root bin
112 f none usr/lib/sparcv9/llib-l4014.ln 644 root bin
113 f none usr/lib/sparcv9/llib-l450.ln 644 root bin
114 s none usr/lib/sparcv9/llib-lpthread.ln=../../../../lib/sparcv9/llib-lpthread.ln
115 s none usr/lib/sparcv9/llib-lresolv.ln=../../../../lib/sparcv9/llib-lresolv.ln
116 s none usr/lib/sparcv9/llib-lrpcsvc.ln=../../../../lib/sparcv9/llib-lrpcsvc.ln
117 s none usr/lib/sparcv9/llib-lrt.ln=../../../../lib/sparcv9/llib-lrt.ln
118 s none usr/lib/sparcv9/llib-lrtld_db.ln=../../../../lib/sparcv9/llib-lrtld_db.ln
119 s none usr/lib/sparcv9/llib-lposix4.ln=../../../../lib/sparcv9/llib-lrt.ln
120 f none usr/lib/sparcv9/llib-lrcm.ln 644 root bin
121 f none usr/lib/sparcv9/llib-lsas1.ln 644 root bin
122 s none usr/lib/sparcv9/llib-lscf.ln=../../../../lib/sparcv9/llib-lscf.ln
123 f none usr/lib/sparcv9/llib-lsched.ln 644 root bin
124 f none usr/lib/sparcv9/llib-lsctp.ln 644 root bin
125 s none usr/lib/sparcv9/llib-lsec.ln=../../../../lib/sparcv9/llib-lsec.ln
126 s none usr/lib/sparcv9/llib-lsecdb.ln=../../../../lib/sparcv9/llib-lsecdb.ln
127 s none usr/lib/sparcv9/llib-lsendfile.ln=../../../../lib/sparcv9/llib-lsendfile.ln
```

```
128 f none usr/lib/sparcv9/llib-lshare.ln 644 root bin
129 f none usr/lib/sparcv9/llib-lsip.ln 644 root bin
130 f none usr/lib/sparcv9/llib-lldap.ln 644 root bin
131 f none usr/lib/sparcv9/llib-lsmbios.ln 644 root bin
132 s none usr/lib/sparcv9/llib-lsocket.ln=../../../../lib/sparcv9/llib-lsocket.ln
133 f none usr/lib/sparcv9/llib-lssagent.ln 644 root bin
134 f none usr/lib/sparcv9/llib-lssasmp.ln 644 root bin
135 s none usr/lib/sparcv9/llib-lsysevent.ln=../../../../lib/sparcv9/llib-lsysevent.ln
136 s none usr/lib/sparcv9/llib-ltermcap=../../../../lib/sparcv9/llib-lcurses
137 s none usr/lib/sparcv9/llib-ltermcap.ln=../../../../lib/sparcv9/llib-lcurses.ln
138 s none usr/lib/sparcv9/llib-ltermplib=../../../../lib/sparcv9/llib-lcurses
139 s none usr/lib/sparcv9/llib-ltermplib.ln=../../../../lib/sparcv9/llib-lcurses.ln
140 s none usr/lib/sparcv9/llib-lthread.ln=../../../../lib/sparcv9/llib-lthread.ln
141 s none usr/lib/sparcv9/llib-lthread_db.ln=../../../../lib/sparcv9/llib-lc_db.ln
142 s none usr/lib/sparcv9/llib-ltsnet.ln=../../../../lib/sparcv9/llib-ltsnet.ln
143 s none usr/lib/sparcv9/llib-ltsol.ln=../../../../lib/sparcv9/llib-ltsol.ln
144 s none usr/lib/sparcv9/llib-lumem.ln=../../../../lib/sparcv9/llib-lumem.ln
145 s none usr/lib/sparcv9/llib-luuid.ln=../../../../lib/sparcv9/llib-luuid.ln
146 f none usr/lib/sparcv9/llib-lvolmgt.ln 644 root bin
147 f none usr/lib/sparcv9/llib-lvt0.ln 644 root bin
148 s none usr/lib/sparcv9/llib-lxnet.ln=../../../../lib/sparcv9/llib-lxnet.ln
149 f none usr/xpg4/lib/sparcv9/llib-lcurses.ln 644 root bin
150 s none usr/ccs/lib/sparcv9/llib-lcurses.ln=../../../../lib/sparcv9/llib-lcurses.
151 s none usr/ccs/lib/sparcv9/llib-lform.ln=../../../../lib/sparcv9/llib-lform.ln
152 s none usr/ccs/lib/sparcv9/llib-lgen.ln=../../../../lib/sparcv9/llib-lgen.ln
153 s none usr/ccs/lib/sparcv9/llib-lmenu.ln=../../../../lib/sparcv9/llib-lmenu.ln
154 s none usr/ccs/lib/sparcv9/llib-lpanel.ln=../../../../lib/sparcv9/llib-lpanel.ln
155 s none usr/ccs/lib/sparcv9/llib-ltermplib.ln=../../../../lib/sparcv9/llib-lcurses
156 s none usr/ccs/lib/sparcv9/llib-ltermcap.ln=../../../../lib/sparcv9/llib-lcurses
157 s none usr/ccs/lib/sparcv9/llib-ll.ln=../../../../lib/sparcv9/llib-ll.ln
158 s none usr/ccs/lib/sparcv9/llib-ly.ln=../../../../lib/sparcv9/llib-ly.ln
159 s none usr/ccs/lib/sparcv9/values-Xa.o=../../../../lib/sparcv9/values-Xa.o
160 s none usr/ccs/lib/sparcv9/values-Xc.o=../../../../lib/sparcv9/values-Xc.o
161 s none usr/ccs/lib/sparcv9/values-Xs.o=../../../../lib/sparcv9/values-Xs.o
162 s none usr/ccs/lib/sparcv9/values-Xt.o=../../../../lib/sparcv9/values-Xt.o
163 s none usr/ccs/lib/sparcv9/values-xpg4.o=../../../../lib/sparcv9/values-xpg4.o
164 s none usr/ccs/lib/sparcv9/values-xpg6.o=../../../../lib/sparcv9/values-xpg6.o
165 f none usr/lib/sparcv9/llib-lpasswdutil.ln 644 root bin
```

new/usr/src/pkgdefs/SUNWarcr/prototype_com

1

```
*****
4910 Mon Oct 29 22:52:13 2007
new/usr/src/pkgdefs/SUNWarcr/prototype_com
*** NO COMMENTS ***
*****
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

22 #
23 #
24 # Copyright 2006 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 # ident "%Z%M% %I% %E% SMI"
28 #
29 # This required package information file contains a list of package contents.
30 # The 'pkgmk' command uses this file to identify the contents of a package
31 # and their location on the development machine when building the package.
32 # Can be created via a text editor or through use of the 'pkgproto' command.

34 #!search <pathname pathname ...> # where to find pkg objects
35 #!include <filename> # include another 'prototype' file
36 #!default <mode> <owner> <group> # default used if not specified on entry
37 #!<param>=<value> # puts parameter in pkg environment

39 # packaging files
40 i pkginfo
41 i copyright
42 i depend
43 #
44 # source locations relative to the prototype file
45 #
46 # SUNWarcr
47 #
48 d none lib 755 root bin
49 f none lib/lib-ladm 644 root bin
50 f none lib/lib-ladm.ln 644 root bin
51 f none lib/lib-laio 644 root bin
52 f none lib/lib-laio.ln 644 root bin
53 f none lib/lib-lbsm 644 root bin
54 f none lib/lib-lbsm.ln 644 root bin
55 f none lib/lib-lc 644 root bin
56 f none lib/lib-lc.ln 644 root bin
57 f none lib/lib-lc_db 644 root bin
58 f none lib/lib-lc_db.ln 644 root bin
59 f none lib/lib-lcontract 644 root bin
60 f none lib/lib-lcontract.ln 644 root bin
61 f none lib/lib-lctf 644 root bin
```

new/usr/src/pkgdefs/SUNWarcr/prototype_com

2

```
62 f none lib/lib-lctf.ln 644 root bin
63 f none lib/lib-lcurses 644 root bin
64 f none lib/lib-lcurses.ln 644 root bin
65 f none lib/lib-ldevice 644 root bin
66 f none lib/lib-ldevice.ln 644 root bin
67 f none lib/lib-ldevid 644 root bin
68 f none lib/lib-ldevid.ln 644 root bin
69 f none lib/lib-ldevinfo 644 root bin
70 f none lib/lib-ldevinfo.ln 644 root bin
71 f none lib/lib-ldl 644 root bin
72 f none lib/lib-ldl.ln 644 root bin
73 f none lib/lib-ldlpi 644 root bin
74 f none lib/lib-ldlpi.ln 644 root bin
75 f none lib/lib-ldoor 644 root bin
76 f none lib/lib-ldoor.ln 644 root bin
77 f none lib/lib-lefi 644 root bin
78 f none lib/lib-lefi.ln 644 root bin
79 f none lib/lib-lelf 644 root bin
80 f none lib/lib-lelf.ln 644 root bin
81 f none lib/lib-lgen 644 root bin
82 f none lib/lib-lgen.ln 644 root bin
83 f none lib/lib-lintl 644 root bin
84 f none lib/lib-lintl.ln 644 root bin
85 f none lib/lib-lkstat 644 root bin
86 f none lib/lib-lkstat.ln 644 root bin
87 f none lib/lib-lmd 644 root bin
88 f none lib/lib-lmd.ln 644 root bin
89 f none lib/lib-lmd5 644 root bin
90 f none lib/lib-lmd5.ln 644 root bin
91 f none lib/lib-lnsl 644 root bin
92 f none lib/lib-lnsl.ln 644 root bin
93 f none lib/lib-lnvpair 644 root bin
94 f none lib/lib-lnvpair.ln 644 root bin
95 f none lib/lib-lpam 644 root bin
96 f none lib/lib-lpam.ln 644 root bin
97 s none lib/lib-lposix4=./lib-lrt
98 s none lib/lib-lposix4.ln=./lib-lrt.ln
99 f none lib/lib-lpthread 644 root bin
100 f none lib/lib-lpthread.ln 644 root bin
101 f none lib/lib-lresolv 644 root bin
102 f none lib/lib-lresolv.ln 644 root bin
103 f none lib/lib-lrpcsvc 644 root bin
104 f none lib/lib-lrpcsvc.ln 644 root bin
105 f none lib/lib-lrt 644 root bin
106 f none lib/lib-lrt.ln 644 root bin
107 f none lib/lib-lrtld_db 644 root bin
108 f none lib/lib-lrtld_db.ln 644 root bin
109 f none lib/lib-lscf 0644 root bin
110 f none lib/lib-lscf.ln 0644 root bin
111 f none lib/lib-lsec 644 root bin
112 f none lib/lib-lsec.ln 644 root bin
113 f none lib/lib-lsecdb 644 root bin
114 f none lib/lib-lsecdb.ln 644 root bin
115 f none lib/lib-lsendfile 644 root bin
116 f none lib/lib-lsendfile.ln 644 root bin
117 f none lib/lib-lsocket 644 root bin
118 f none lib/lib-lsocket.ln 644 root bin
119 f none lib/lib-lsysevent 644 root bin
120 f none lib/lib-lsysevent.ln 644 root bin
121 s none lib/lib-ltermcap.ln=./lib-lcurses.ln
122 s none lib/lib-ltermcap=./lib-lcurses
123 s none lib/lib-ltermlib.ln=./lib-lcurses.ln
124 s none lib/lib-ltermlib=./lib-lcurses
125 f none lib/lib-lthread 644 root bin
126 f none lib/lib-lthread.ln 644 root bin
127 f none lib/lib-ltsnet 644 root bin
```

new/usr/src/pkgdefs/SUNWarcr/prototype_com

3

```
128 f none lib/l1ib-ltsnet.ln 644 root bin
129 f none lib/l1ib-ltsol 644 root bin
130 f none lib/l1ib-ltsol.ln 644 root bin
131 f none lib/l1ib-lumem 0644 root bin
132 f none lib/l1ib-lumem.ln 0644 root bin
133 f none lib/l1ib-luuid 644 root bin
134 f none lib/l1ib-luuid.ln 644 root bin
135 f none lib/l1ib-lxnet 644 root bin
136 f none lib/l1ib-lxnet.ln 644 root bin
```


new/usr/src/pkgdefs/SUNWarcr/prototype_i386

1

```
*****
3870 Mon Oct 29 22:52:14 2007
new/usr/src/pkgdefs/SUNWarcr/prototype_i386
*** NO COMMENTS ***
*****
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

22 #
23 #
24 # Copyright 2007 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 # ident "%Z%M% %I% %E% SMI"
28 #
29 # This required package information file contains a list of package contents.
30 # The 'pkgmk' command uses this file to identify the contents of a package
31 # and their location on the development machine when building the package.
32 # Can be created via a text editor or through use of the 'pkgproto' command.

34 #!search <pathname pathname ...> # where to find pkg objects
35 #!include <filename> # include another 'prototype' file
36 #!default <mode> <owner> <group> # default used if not specified on entry
37 #!<param>=<value> # puts parameter in pkg environment

39 #
40 # Include ISA independent files (prototype_com)
41 #
42 #include prototype_com
43 #
44 #
45 #
46 # List files which are I386 specific here
47 #
48 # source locations relative to the prototype file
49 #
50 #
51 # SUNWarcr
52 #
53 d none lib/amd64 755 root bin
54 f none lib/amd64/llib-ladm.ln 644 root bin
55 f none lib/amd64/llib-laio.ln 644 root bin
56 f none lib/amd64/llib-lbsm.ln 644 root bin
57 f none lib/amd64/llib-lc.ln 644 root bin
58 f none lib/amd64/llib-lc_db.ln 644 root bin
59 f none lib/amd64/llib-lcontract.ln 644 root bin
60 f none lib/amd64/llib-lctf.ln 644 root bin
61 f none lib/amd64/llib-lcurses 644 root bin
```

new/usr/src/pkgdefs/SUNWarcr/prototype_i386

2

```
62 f none lib/amd64/llib-lcurses.ln 644 root bin
63 f none lib/amd64/llib-ldevice.ln 644 root bin
64 f none lib/amd64/llib-ldevice.ln 644 root bin
65 f none lib/amd64/llib-ldevinfo.ln 644 root bin
66 f none lib/amd64/llib-ldl.ln 644 root bin
67 f none lib/amd64/llib-ldlpi.ln 644 root bin
68 f none lib/amd64/llib-ldoor.ln 644 root bin
69 f none lib/amd64/llib-lefi.ln 644 root bin
70 f none lib/amd64/llib-lelf.ln 644 root bin
71 f none lib/amd64/llib-lgen.ln 644 root bin
72 f none lib/amd64/llib-lintl.ln 644 root bin
73 f none lib/amd64/llib-lkstat.ln 644 root bin
74 f none lib/amd64/llib-lmd.ln 644 root bin
75 f none lib/amd64/llib-lmd5.ln 644 root bin
76 f none lib/amd64/llib-lnsl.ln 644 root bin
77 f none lib/amd64/llib-lnvpair.ln 644 root bin
78 f none lib/amd64/llib-lpam.ln 644 root bin
79 s none lib/amd64/llib-lposix4.ln=../llib-lrt.ln
80 f none lib/amd64/llib-lpthread.ln 644 root bin
81 f none lib/amd64/llib-lresolv.ln 644 root bin
82 f none lib/amd64/llib-lrpcsvc.ln 644 root bin
83 f none lib/amd64/llib-lrt.ln 644 root bin
84 f none lib/amd64/llib-lrtld_db.ln 644 root bin
85 f none lib/amd64/llib-lscf.ln 644 root bin
86 f none lib/amd64/llib-lsec.ln 644 root bin
87 f none lib/amd64/llib-lsecdb.ln 644 root bin
88 f none lib/amd64/llib-lsendfile.ln 644 root bin
89 f none lib/amd64/llib-lsocket.ln 644 root bin
90 f none lib/amd64/llib-lsysevent.ln 644 root bin
91 s none lib/amd64/llib-ltermcap.ln=../llib-lcurses.ln
92 s none lib/amd64/llib-ltermcap=../llib-lcurses
93 s none lib/amd64/llib-ltermlib.ln=../llib-lcurses.ln
94 s none lib/amd64/llib-ltermlib=../llib-lcurses
95 f none lib/amd64/llib-lthread.ln 644 root bin
96 f none lib/amd64/llib-ltsnet.ln 644 root bin
97 f none lib/amd64/llib-ltsol.ln 644 root bin
98 f none lib/amd64/llib-lumem.ln 644 root bin
99 f none lib/amd64/llib-luuid.ln 644 root bin
100 f none lib/amd64/llib-lutil.ln 644 root bin
101 f none lib/amd64/llib-lxnet.ln 644 root bin
```

```

*****
3924 Mon Oct 29 22:52:15 2007
new/usr/src/pkgdefs/SUNWarcr/prototype_sparc
*** NO COMMENTS ***
*****
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

22 #
23 #
24 # Copyright 2007 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 # ident "%Z%M% %I% %E% SMI"
28 #
29 # This required package information file contains a list of package contents.
30 # The 'pkgmk' command uses this file to identify the contents of a package
31 # and their location on the development machine when building the package.
32 # Can be created via a text editor or through use of the 'pkgproto' command.

34 #!search <pathname pathname ...> # where to find pkg objects
35 #!include <filename> # include another 'prototype' file
36 #!default <mode> <owner> <group> # default used if not specified on entry
37 #!<param>=<value> # puts parameter in pkg environment

39 #
40 # Include ISA independent files (prototype_com)
41 #
42 #include prototype_com
43 #
44 #
45 #
46 # List files which are SPARC specific here
47 #
48 # source locations relative to the prototype file
49 #
50 #
51 # SUNWarcr
52 #
53 d none lib/sparcv9 755 root bin
54 f none lib/sparcv9/llib-ladm.ln 644 root bin
55 f none lib/sparcv9/llib-laio.ln 644 root bin
56 f none lib/sparcv9/llib-lbsm.ln 644 root bin
57 f none lib/sparcv9/llib-lc.ln 644 root bin
58 f none lib/sparcv9/llib-lc_db.ln 644 root bin
59 f none lib/sparcv9/llib-lcontract.ln 644 root bin
60 f none lib/sparcv9/llib-lctf.ln 644 root bin
61 f none lib/sparcv9/llib-lcurses 644 root bin

```

```

62 f none lib/sparcv9/llib-lcurses.ln 644 root bin
63 f none lib/sparcv9/llib-ldevice.ln 644 root bin
64 f none lib/sparcv9/llib-ldevid.ln 644 root bin
65 f none lib/sparcv9/llib-ldevinfo.ln 644 root bin
66 f none lib/sparcv9/llib-ldl.ln 644 root bin
67 f none lib/sparcv9/llib-ldlpi.ln 644 root bin
68 f none lib/sparcv9/llib-ldoor.ln 644 root bin
69 f none lib/sparcv9/llib-lefi.ln 644 root bin
70 f none lib/sparcv9/llib-lelf.ln 644 root bin
71 f none lib/sparcv9/llib-lgen.ln 644 root bin
72 f none lib/sparcv9/llib-lintl.ln 644 root bin
73 f none lib/sparcv9/llib-lkstat.ln 644 root bin
74 f none lib/sparcv9/llib-lmd.ln 644 root bin
75 f none lib/sparcv9/llib-lmd5.ln 644 root bin
76 f none lib/sparcv9/llib-lnsl.ln 644 root bin
77 f none lib/sparcv9/llib-lnvpair.ln 644 root bin
78 f none lib/sparcv9/llib-lpam.ln 644 root bin
79 s none lib/sparcv9/llib-lposix4.ln=../llib-lrt.ln
80 f none lib/sparcv9/llib-lpthread.ln 644 root bin
81 f none lib/sparcv9/llib-lresolv.ln 644 root bin
82 f none lib/sparcv9/llib-lrpcsvc.ln 644 root bin
83 f none lib/sparcv9/llib-lrt.ln 644 root bin
84 f none lib/sparcv9/llib-lrtltdb.ln 644 root bin
85 f none lib/sparcv9/llib-lscf.ln 644 root bin
86 f none lib/sparcv9/llib-lsec.ln 644 root bin
87 f none lib/sparcv9/llib-lsecdb.ln 644 root bin
88 f none lib/sparcv9/llib-lsendfile.ln 644 root bin
89 f none lib/sparcv9/llib-lsocket.ln 644 root bin
90 f none lib/sparcv9/llib-lsysevent.ln 644 root bin
91 s none lib/sparcv9/llib-ltermcap.ln=../llib-lcurses.ln
92 s none lib/sparcv9/llib-ltermcap=../llib-lcurses
93 s none lib/sparcv9/llib-ltermplib.ln=../llib-lcurses.ln
94 s none lib/sparcv9/llib-ltermplib=../llib-lcurses
95 f none lib/sparcv9/llib-lthread.ln 644 root bin
96 f none lib/sparcv9/llib-ltsnet.ln 644 root bin
97 f none lib/sparcv9/llib-ltsol.ln 644 root bin
98 f none lib/sparcv9/llib-lumem.ln 644 root bin
99 f none lib/sparcv9/llib-luuid.ln 644 root bin
100 f none lib/sparcv9/llib-lxnet.ln 644 root bin

```