

new/usr/src/Targetdirs

1

```
*****
69682 Sun Dec 23 06:46:54 2018
new/usr/src/Targetdirs
9696 add /etc/system.d support
Reviewed by: Dan Fields <dan.fields@nexenta.com>
Reviewed by: Roman Strashkin <roman.strashkin@nexenta.com>
Reviewed by: Cynthia Eastham <cynthia.eastham@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Peter Tribble <peter.tribble@gmail.com>
Reviewed by: Andy Fiddaman <andy@omniosce.org>
*****
1 # CDDL HEADER START
2 #
3 # The contents of this file are subject to the terms of the
4 # Common Development and Distribution License (the "License").
5 # You may not use this file except in compliance with the License.
6 #
7 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
8 # or http://www.opensolaris.org/os/licensing.
9 # See the License for the specific language governing permissions
10 # and limitations under the License.
11 #
12 # When distributing Covered Code, include this CDDL HEADER in each
13 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
14 # If applicable, add the following below this CDDL HEADER, with the
15 # fields enclosed by brackets "[]" replaced with your own identifying
16 # information: Portions Copyright [yyyy] [name of copyright owner]
17 #
18 # CDDL HEADER END
19 #
20 #
21 #
22 # Copyright (c) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
23 # Copyright 2011, Richard Lowe
24 # Copyright (c) 2012 by Delphix. All rights reserved.
25 # Copyright (c) 2012, Igor Kozhukhov <ikozhukhov@gmail.com>
26 # Copyright 2012 OmniTI Computer Consulting, Inc. All rights reserved.
27 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
28 # Copyright 2016 Hans Rosenfeld <rosenfeld@grumpf.hope-2000.org>
29 # Copyright 2017 Nexenta Systems, Inc.
30 # Copyright 2016 Nexenta Systems, Inc.
31 # Copyright 2017 RackTop Systems.
32 # Copyright 2018 OmniOS Community Edition (OmniOSce) Association.
33 #
34 #
35 # It is easier to think in terms of directory names without the ROOT macro
36 # prefix.  ROOTDIRS is TARGETDIRS with ROOT prefixes.  It is necessary
37 # to work with ROOT prefixes when controlling conditional assignments.
38 #
39 #
40 DIRLINKS=      $(SYM.DIRS)
41 $(BUILD64)     DIRLINKS += $(SYM.DIRS64)
42 #
43 FILELINKS=     $(SYM.USRCCSLIB) $(SYM.USRLIB)
44 $(BUILD64)     FILELINKS += $(SYM.USRCCSLIB64) $(SYM.USRLIB64)
45 #
46 TARGETDIRS=    $(DIRS)
47 $(BUILD64)     TARGETDIRS += $(DIRS64)
48 #
49 TARGETDIRS     += $(FILELINKS) $(DIRLINKS)
50 #
51 i386_DIRS=     \
52 /boot/acpi     \
53 /boot/acpi/tables \
54 /boot/grub     \
```

new/usr/src/Targetdirs

2

```
55 /boot/grub/bin \
56 /platform/i86pc \
57 /lib/libmvec \
58 /usr/lib/xen \
59 /usr/lib/xen/bin
60 #
61 sparc_DIRS= \
62 /usr/lib/ldoms
63 #
64 sparc_64ONLY= $(POUND_SIGN)
65 64ONLY= $(MACH)_64ONLY)
66 #
67 $(64ONLY) MACH32_DIRS=/usr/ucb/$(MACH32)
68 #
69 PYTHON2_DIRS=
70 PYTHON2_64DIRS=
71 PYTHON3_DIRS=
72 #
73 $(BUILDPY2)PYTHON2_DIRS += \
74 /usr/lib/python$(PYTHON_VERSION) \
75 /usr/lib/python$(PYTHON_VERSION)/vendor-packages \
76 /usr/lib/python$(PYTHON_VERSION)/vendor-packages/solaris \
77 /usr/lib/python$(PYTHON_VERSION)/vendor-packages/zfs
78 #
79 $(BUILDPY2)PYTHON2_64DIRS += \
80 /usr/lib/python$(PYTHON_VERSION)/vendor-packages/64 \
81 /usr/lib/python$(PYTHON_VERSION)/vendor-packages/solaris/64 \
82 /usr/lib/python$(PYTHON_VERSION)/vendor-packages/zfs/64
83 #
84 $(BUILDPY3)PYTHON3_DIRS += \
85 /usr/lib/python$(PYTHON3_VERSION) \
86 /usr/lib/python$(PYTHON3_VERSION)/vendor-packages \
87 /usr/lib/python$(PYTHON3_VERSION)/vendor-packages/solaris \
88 /usr/lib/python$(PYTHON3_VERSION)/vendor-packages/solaris/__pycache__ \
89 /usr/lib/python$(PYTHON3_VERSION)/vendor-packages/zfs \
90 /usr/lib/python$(PYTHON3_VERSION)/vendor-packages/zfs/__pycache__
91 #
92 DIRS= \
93 /boot \
94 /boot/solaris \
95 /boot/solaris/bin \
96 $(MACH_DIRS) \
97 /dev \
98 /dev/dsk \
99 /dev/fd \
100 /dev/ipnet \
101 /dev/net \
102 /dev/rdisk \
103 /dev/rmt \
104 /dev/pts \
105 /dev/sad \
106 /dev/swap \
107 /dev/term \
108 /dev/vt \
109 /dev/zcons \
110 /devices \
111 /devices/pseudo \
112 /etc \
113 /etc/brand \
114 /etc/brand/solaris10 \
115 /etc/cron.d \
116 /etc/crypto \
117 /etc/crypto/certs \
118 /etc/crypto/crls \
119 /etc/dbus-1 \
120 /etc/dbus-1/system.d \
```

new/usr/src/Targetdirs

```

121 /etc/default \
122 /etc/devices \
123 /etc/dev \
124 /etc/dfs \
125 /etc/dladm \
126 /etc/fs \
127 /etc/fs/nfs \
128 /etc/fs/zfs \
129 /etc/ftpd \
130 /etc/hal \
131 /etc/hal/fdi \
132 /etc/hal/fdi/information \
133 /etc/hal/fdi/information/10freedesktop \
134 /etc/hal/fdi/information/20thirdparty \
135 /etc/hal/fdi/information/30user \
136 /etc/hal/fdi/policy \
137 /etc/hal/fdi/policy/10osvendor \
138 /etc/hal/fdi/policy/20thirdparty \
139 /etc/hal/fdi/policy/30user \
140 /etc/hal/fdi/preprobe \
141 /etc/hal/fdi/preprobe/10osvendor \
142 /etc/hal/fdi/preprobe/20thirdparty \
143 /etc/hal/fdi/preprobe/30user \
144 /etc/ipadm \
145 /etc/iscsi \
146 /etc/rpcsec \
147 /etc/security \
148 /etc/security/auth_attr.d \
149 /etc/security/exec_attr.d \
150 /etc/security/prof_attr.d \
151 /etc/security/tsol \
152 /etc/gss \
153 /etc/init.d \
154 /etc/dhcp \
155 /etc/lib \
156 /etc/mail \
157 /etc/mail/cf \
158 /etc/mail/cf/cf \
159 /etc/mail/cf/domain \
160 /etc/mail/cf/feature \
161 /etc/mail/cf/m4 \
162 /etc/mail/cf/mailer \
163 /etc/mail/cf/ostype \
164 /etc/mail/cf/sh \
165 /etc/net-snmp \
166 /etc/net-snmp/snmp \
167 /etc/opt \
168 /etc/rc0.d \
169 /etc/rc1.d \
170 /etc/rc2.d \
171 /etc/rc3.d \
172 /etc/rcS.d \
173 /etc/saf \
174 /etc/sasl \
175 /etc/sfw \
176 /etc/skel \
177 /etc/svc \
178 /etc/svc/profile \
179 /etc/svc/profile/site \
180 /etc/svc/volatile \
181 /etc/system.d \
182 /etc/tm \
183 /etc/usb \
184 /etc/user_attr.d \
185 /etc/zfs \
186 /etc/zones \

```

3

new/usr/src/Targetdirs

```

187 /export \
188 /home \
189 /lib \
190 /lib/crypto \
191 /lib/inet \
192 /lib/fm \
193 /lib/secure \
194 /lib/svc \
195 /lib/svc/bin \
196 /lib/svc/capture \
197 /lib/svc/manifest \
198 /lib/svc/manifest/milestone \
199 /lib/svc/manifest/device \
200 /lib/svc/manifest/system \
201 /lib/svc/manifest/system/device \
202 /lib/svc/manifest/system/filesystem \
203 /lib/svc/manifest/system/security \
204 /lib/svc/manifest/system/svc \
205 /lib/svc/manifest/network \
206 /lib/svc/manifest/network/dns \
207 /lib/svc/manifest/network/ipsec \
208 /lib/svc/manifest/network/ldap \
209 /lib/svc/manifest/network/nfs \
210 /lib/svc/manifest/network/nis \
211 /lib/svc/manifest/network/rpc \
212 /lib/svc/manifest/network/security \
213 /lib/svc/manifest/network/shares \
214 /lib/svc/manifest/network/ssl \
215 /lib/svc/manifest/application \
216 /lib/svc/manifest/application/management \
217 /lib/svc/manifest/application/security \
218 /lib/svc/manifest/application/print \
219 /lib/svc/manifest/platform \
220 /lib/svc/manifest/platform/sun4u \
221 /lib/svc/manifest/platform/sun4v \
222 /lib/svc/manifest/site \
223 /lib/svc/method \
224 /lib/svc/monitor \
225 /lib/svc/seed \
226 /lib/svc/share \
227 /kernel \
228 /kernel/firmware \
229 /mnt \
230 /opt \
231 /platform \
232 /proc \
233 /root \
234 /sbin \
235 /system \
236 /system/boot \
237 /system/contract \
238 /system/object \
239 /tmp \
240 /usr \
241 /usr/4lib \
242 /usr/ast \
243 /usr/ast/bin \
244 /usr/bin \
245 /usr/bin/$(MACH32) \
246 /usr/ccs \
247 /usr/ccs/bin \
248 /usr/ccs/lib \
249 /usr/demo \
250 /usr/demo/SOUND \
251 /usr/games \
252 /usr/has \

```

4

new/usr/src/Targetdirs

```

253 /usr/has/bin \
254 /usr/has/lib \
255 /usr/has/man \
256 /usr/include \
257 /usr/include/ads \
258 /usr/include/ast \
259 /usr/include/fm \
260 /usr/include/gssapi \
261 /usr/include/hal \
262 /usr/include/kerberosv5 \
263 /usr/include/libmilter \
264 /usr/include/libpolkit \
265 /usr/include/sasl \
266 /usr/include/scsi \
267 /usr/include/security \
268 /usr/include/sys/crypto \
269 /usr/include/tsol \
270 /usr/kernel \
271 /usr/kvm \
272 /usr/lib \
273 /usr/lib/abi \
274 /usr/lib/brand \
275 /usr/lib/brand/ipkg \
276 /usr/lib/brand/labeled \
277 /usr/lib/brand/shared \
278 /usr/lib/brand/sn1 \
279 /usr/lib/brand/solaris10 \
280 /usr/lib/class \
281 /usr/lib/class/FSS \
282 /usr/lib/class/FX \
283 /usr/lib/class/IA \
284 /usr/lib/class/RT \
285 /usr/lib/class/SDC \
286 /usr/lib/class/TS \
287 /usr/lib/crypto \
288 /usr/lib/elfedit \
289 /usr/lib/fm \
290 /usr/lib/font \
291 /usr/lib/fs \
292 /usr/lib/fs/nfs \
293 /usr/lib/fs/proc \
294 /usr/lib/fs/smb \
295 /usr/lib/fs/zfs \
296 /usr/lib/gss \
297 /usr/lib/hal \
298 /usr/lib/inet \
299 /usr/lib/inet/ilb \
300 /usr/lib/krb5 \
301 /usr/lib/link_audit \
302 /usr/lib/lwp \
303 /usr/lib/mdb \
304 /usr/lib/mdb/kvm \
305 /usr/lib/mdb/proc \
306 /usr/lib/nfs \
307 /usr/net \
308 /usr/net/servers \
309 /usr/lib/pool \
310 ${PYTHON2_DIRS} \
311 /usr/lib/rcap \
312 /usr/lib/rcap/${MACH32} \
313 /usr/lib/sa \
314 /usr/lib/saf \
315 /usr/lib/sasl \
316 /usr/lib/scsi \
317 /usr/lib/secure \
318 /usr/lib/security \

```

5

new/usr/src/Targetdirs

```

319 /usr/lib/smbsrv \
320 /usr/lib/vscan \
321 /usr/lib/zfs \
322 /usr/lib/zones \
323 /usr/old \
324 /usr/platform \
325 /usr/proc \
326 /usr/proc/bin \
327 /usr/sadm \
328 /usr/sadm/install \
329 /usr/sadm/install/bin \
330 /usr/sadm/install/scripts \
331 /usr/sbin \
332 /usr/sbin/${MACH32} \
333 /usr/share \
334 /usr/share/applications \
335 /usr/share/audio \
336 /usr/share/audio/samples \
337 /usr/share/audio/samples/au \
338 /usr/share/gnome \
339 /usr/share/gnome/autostart \
340 /usr/share/hwdata \
341 /usr/share/lib \
342 /usr/share/lib/ccs \
343 /usr/share/lib/tmac \
344 /usr/share/lib/ldif \
345 /usr/share/lib/xml \
346 /usr/share/lib/xml/dtd \
347 /usr/share/man \
348 /usr/share/src \
349 /usr/ucb \
350 ${MACH32_DIRS} \
351 /usr/ucblib \
352 /usr/xpg4 \
353 /usr/xpg4/bin \
354 /usr/xpg4/include \
355 /usr/xpg4/lib \
356 /usr/xpg6 \
357 /usr/xpg6/bin \
358 /var \
359 /var/adm \
360 /var/adm/exacct \
361 /var/adm/log \
362 /var/adm/pool \
363 /var/adm/sa \
364 /var/adm/sm.bin \
365 /var/adm/streams \
366 /var/cores \
367 /var/cron \
368 /var/db \
369 /var/db/ipf \
370 /var/games \
371 /var/idmap \
372 /var/krb5 \
373 /var/krb5/rcache \
374 /var/krb5/rcache/root \
375 /var/ld \
376 /var/log \
377 /var/log/pool \
378 /var/logadm \
379 /var/mail \
380 /var/news \
381 /var/opt \
382 /var/preserve \
383 /var/run \
384 /var/saf \

```

6

new/usr/src/Targetdirs

7

```

385 /var/sadm \
386 /var/sadm/install \
387 /var/sadm/install/admin \
388 /var/sadm/install/logs \
389 /var/sadm/pkg \
390 /var/sadm/security \
391 /var/smb \
392 /var/smb/cvol \
393 /var/smb/cvol/windows \
394 /var/smb/cvol/windows/system32 \
395 /var/smb/cvol/windows/system32/vss \
396 /var/spool \
397 /var/spool/cron \
398 /var/spool/cron/atjobs \
399 /var/spool/cron/crontabs \
400 /var/spool/lp \
401 /var/spool/pkg \
402 /var/spool/uucp \
403 /var/spool/uucppublic \
404 /var/svc \
405 /var/svc/log \
406 /var/svc/manifest \
407 /var/svc/manifest/milestone \
408 /var/svc/manifest/device \
409 /var/svc/manifest/system \
410 /var/svc/manifest/system/device \
411 /var/svc/manifest/system/filesystem \
412 /var/svc/manifest/system/security \
413 /var/svc/manifest/system/svc \
414 /var/svc/manifest/network \
415 /var/svc/manifest/network/dns \
416 /var/svc/manifest/network/ipsec \
417 /var/svc/manifest/network/ldap \
418 /var/svc/manifest/network/nfs \
419 /var/svc/manifest/network/nis \
420 /var/svc/manifest/network/rpc \
421 /var/svc/manifest/network/routing \
422 /var/svc/manifest/network/security \
423 /var/svc/manifest/network/shares \
424 /var/svc/manifest/network/ssl \
425 /var/svc/manifest/application \
426 /var/svc/manifest/application/management \
427 /var/svc/manifest/application/print \
428 /var/svc/manifest/application/security \
429 /var/svc/manifest/platform \
430 /var/svc/manifest/platform/sun4u \
431 /var/svc/manifest/platform/sun4v \
432 /var/svc/manifest/site \
433 /var/svc/profile \
434 /var/uucp \
435 /var/tmp \
436 /var/tsol \
437 /var/tsol/doors

439 sparcv9_DIRS64= \
440 /platform/sun4u \
441 /platform/sun4u/lib \
442 /platform/sun4u/lib/$(MACH64) \
443 /usr/platform/sun4u \
444 /usr/platform/sun4u/sbin \
445 /usr/platform/sun4u/lib \
446 /platform/sun4v/lib \
447 /platform/sun4v/lib/$(MACH64) \
448 /usr/platform/sun4v/sbin \
449 /usr/platform/sun4v/lib \
450 /usr/platform/sun4u-us3/lib \

```

new/usr/src/Targetdirs

8

```

451 /usr/platform/sun4u-opl/lib

453 amd64_DIRS64= \
454 /platform/i86pc/amd64

456 DIRS64= \
457 $(MACH64)_DIRS64 \
458 /lib/$(MACH64) \
459 /lib/crypto/$(MACH64) \
460 /lib/fm/$(MACH64) \
461 /lib/secure/$(MACH64) \
462 /usr/bin/$(MACH64) \
463 /usr/ccs/bin/$(MACH64) \
464 /usr/ccs/lib/$(MACH64) \
465 /usr/lib/$(MACH64) \
466 /usr/lib/$(MACH64)/gss \
467 /usr/lib/brand/sn1/$(MACH64) \
468 /usr/lib/brand/solaris10/$(MACH64) \
469 /usr/lib/elfedit/$(MACH64) \
470 /usr/lib/fm/$(MACH64) \
471 /usr/lib/fs/nfs/$(MACH64) \
472 /usr/lib/fs/smb/$(MACH64) \
473 /usr/lib/inet/$(MACH64) \
474 /usr/lib/krb5/$(MACH64) \
475 /usr/lib/link_audit/$(MACH64) \
476 /usr/lib/lwp/$(MACH64) \
477 /usr/lib/mdb/kvm/$(MACH64) \
478 /usr/lib/mdb/proc/$(MACH64) \
479 $(PYTHON2_64DIRS) \
480 $(PYTHON3_DIRS) \
481 /usr/lib/rcap/$(MACH64) \
482 /usr/lib/sasl/$(MACH64) \
483 /usr/lib/scsi/$(MACH64) \
484 /usr/lib/secure/$(MACH64) \
485 /usr/lib/security/$(MACH64) \
486 /usr/lib/smbsrv/$(MACH64) \
487 /usr/lib/abi/$(MACH64) \
488 /usr/sbin/$(MACH64) \
489 /usr/ucb/$(MACH64) \
490 /usr/ucblib/$(MACH64) \
491 /usr/xpg4/lib/$(MACH64) \
492 /var/ld/$(MACH64)

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

497 # macros for symbolic links
498 SYM_DIRS= \
499 /bin \
500 /dev/stdin \
501 /dev/stdout \
502 /dev/stderr \
503 /etc/lib/ld.so.1 \
504 /etc/lib/libdl.so.1 \
505 /etc/lib/nss_files.so.1 \
506 /etc/log \
507 /lib/32 \
508 /lib/crypto/32 \
509 /lib/secure/32 \
510 /usr/adm \
511 /usr/spool \
512 /usr/lib/tmac \
513 /usr/ccs/lib/link_audit \
514 /usr/news \
515 /usr/preserve \
516 /usr/lib/32 \

```

new/usr/src/Targetdirs

```

517 /usr/lib/cron \
518 /usr/lib/elfedit/32 \
519 /usr/lib/lwp/32 \
520 /usr/lib/link_audit/32 \
521 /usr/lib/secure/32 \
522 /usr/mail \
523 /usr/man \
524 /usr/pub \
525 /usr/src \
526 /usr/tmp \
527 /usr/ucb/lib/32 \
528 /var/ld/32

530 sparc_SYM.DIRS64=

532 SYM.DIRS64= \
533 $(MACH)_SYM.DIRS64 \
534 /lib/64 \
535 /lib/crypto/64 \
536 /lib/secure/64 \
537 /usr/lib/64 \
538 /usr/lib/brand/sn1/64 \
539 /usr/lib/brand/solaris10/64 \
540 /usr/lib/elfedit/64 \
541 /usr/lib/link_audit/64 \
542 /usr/lib/lwp/64 \
543 /usr/lib/secure/64 \
544 /usr/lib/security/64 \
545 /usr/xpg4/lib/64 \
546 /var/ld/64 \
547 /usr/ucb/lib/64

549 # prepend the ROOT prefix

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

553 # conditional assignments
554 #
555 # Target directories with non-default values for owner and group must
556 # be referenced here, using their fully-prefixed names, and the non-
557 # default values assigned. If a directory is mentioned above and not
558 # mentioned below, it has default values for attributes.
559 #
560 # The default value for DIRMODE is specified in usr/src/Makefile.master.
561 #

563 $(ROOT)/var/adm \
564 $(ROOT)/var/adm/sa := DIRMODE= 775

566 $(ROOT)/var/spool/lp:= DIRMODE= 775

568 # file mode
569 #
570 $(ROOT)/tmp \
571 $(ROOT)/var/krb5/rcache \
572 $(ROOT)/var/preserve \
573 $(ROOT)/var/spool/pkg \
574 $(ROOT)/var/spool/uucppublic \
575 $(ROOT)/var/tmp:= DIRMODE= 1777

577 $(ROOT)/root:= DIRMODE= 700

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

582 #

```

9

new/usr/src/Targetdirs

```

583 # These permissions must match those set
584 # in the package manifests.
585 #
586 $(ROOT)/var/sadm/pkg \
587 $(ROOT)/var/sadm/security \
588 $(ROOT)/var/sadm/install/logs := DIRMODE= 555

591 #
592 # These permissions must match the ones set
593 # internally by fdfs and autofs.
594 #
595 $(ROOT)/dev/fd \
596 $(ROOT)/home:= DIRMODE= 555

598 $(ROOT)/var/mail:= DIRMODE=1777

600 $(ROOT)/proc:= DIRMODE= 555

602 $(ROOT)/system/boot:= DIRMODE= 555
603 $(ROOT)/system/contract:= DIRMODE= 555
604 $(ROOT)/system/object:= DIRMODE= 555

606 # symlink assignments, LINKDEST is the value of the symlink
607 #
608 $(ROOT)/usr/lib/cron:= LINKDEST=../etc/cron.d
609 $(ROOT)/bin:= LINKDEST=usr/bin
610 $(ROOT)/lib/32:= LINKDEST=.
611 $(ROOT)/lib/crypto/32:= LINKDEST=.
612 $(ROOT)/lib/secure/32:= LINKDEST=.
613 $(ROOT)/dev/stdin:= LINKDEST=fd/0
614 $(ROOT)/dev/stdout:= LINKDEST=fd/1
615 $(ROOT)/dev/stderr:= LINKDEST=fd/2
616 $(ROOT)/usr/pub:= LINKDEST=share/lib/pub
617 $(ROOT)/usr/man:= LINKDEST=share/man
618 $(ROOT)/usr/src:= LINKDEST=share/src
619 $(ROOT)/usr/adm:= LINKDEST=../var/adm
620 $(ROOT)/etc/lib/ld.so.1:= LINKDEST=../lib/ld.so.1
621 $(ROOT)/etc/lib/libdl.so.1:= LINKDEST=../lib/libdl.so.1
622 $(ROOT)/etc/lib/nss_files.so.1:= LINKDEST=../lib/nss_files.so.1
623 $(ROOT)/etc/log:= LINKDEST=../var/adm/log
624 $(ROOT)/usr/mail:= LINKDEST=../var/mail
625 $(ROOT)/usr/news:= LINKDEST=../var/news
626 $(ROOT)/usr/preserve:= LINKDEST=../var/preserve
627 $(ROOT)/usr/spool:= LINKDEST=../var/spool
628 $(ROOT)/usr/tmp:= LINKDEST=../var/tmp
629 $(ROOT)/usr/lib/tmac:= LINKDEST=../share/lib/tmac
630 $(ROOT)/usr/lib/32:= LINKDEST=.
631 $(ROOT)/usr/lib/elfedit/32:= LINKDEST=.
632 $(ROOT)/usr/lib/lwp/32:= LINKDEST=.
633 $(ROOT)/usr/lib/link_audit/32:= LINKDEST=.
634 $(ROOT)/usr/lib/secure/32:= LINKDEST=.
635 $(ROOT)/usr/ccs/lib/link_audit:= LINKDEST=../lib/link_audit
636 $(ROOT)/var/ld/32:= LINKDEST=.
637 $(ROOT)/usr/ucb/lib/32:= LINKDEST=.

640 $(BUILD64) $(ROOT)/lib/64:= LINKDEST=$(MACH64)
641 $(BUILD64) $(ROOT)/lib/crypto/64:= LINKDEST=$(MACH64)
642 $(BUILD64) $(ROOT)/lib/secure/64:= LINKDEST=$(MACH64)
643 $(BUILD64) $(ROOT)/usr/lib/64:= LINKDEST=$(MACH64)
644 $(BUILD64) $(ROOT)/usr/lib/elfedit/64:= LINKDEST=$(MACH64)
645 $(BUILD64) $(ROOT)/usr/lib/brand/sn1/64:= LINKDEST=$(MACH64)
646 $(BUILD64) $(ROOT)/usr/lib/brand/solaris10/64:= LINKDEST=$(MACH64)
647 $(BUILD64) $(ROOT)/usr/lib/lwp/64:= LINKDEST=$(MACH64)
648 $(BUILD64) $(ROOT)/usr/lib/link_audit/64:= LINKDEST=$(MACH64)

```

10

```

649 $(BUILD64) $(ROOT)/usr/lib/secure/64:= LINKDEST=$(MACH64)
650 $(BUILD64) $(ROOT)/usr/lib/security/64:= LINKDEST=$(MACH64)
651 $(BUILD64) $(ROOT)/usr/xpg4/lib/64:= LINKDEST=$(MACH64)
652 $(BUILD64) $(ROOT)/var/ld/64:= LINKDEST=$(MACH64)
653 $(BUILD64) $(ROOT)/usr/ucblib/64:= LINKDEST=$(MACH64)

655 #
656 # Installing a directory symlink calls for overriding INS.dir to install
657 # a symlink.
658 #
659 $(DIRLINKS:%=$(ROOT)%):= \
660     INS.dir= -$(RM) -r $@; $(SYMLINK) $(LINKDEST) $@

662 # Special symlinks to populate usr/ccs/lib, whose objects
663 # have actually been moved to usr/lib
664 # Rather than adding another set of rules, we add usr/lib/lwp files here
665 $(ROOT)/usr/ccs/lib/libcurses.so:= REALPATH=../../../../lib/libcurses.so.1
666 $(ROOT)/usr/ccs/lib/llib-lcurses:= REALPATH=../../../../lib/llib-lcurses
667 $(ROOT)/usr/ccs/lib/llib-lcurses.ln:= REALPATH=../../../../lib/llib-lcurses.ln
668 $(ROOT)/usr/ccs/lib/libform.so:= REALPATH=../../../../lib/libform.so.1
669 $(ROOT)/usr/ccs/lib/llib-lform:= REALPATH=../../../../lib/llib-lform
670 $(ROOT)/usr/ccs/lib/llib-lform.ln:= REALPATH=../../../../lib/llib-lform.ln
671 $(ROOT)/usr/ccs/lib/libgen.so:= REALPATH=../../../../lib/libgen.so.1
672 $(ROOT)/usr/ccs/lib/llib-lgen:= REALPATH=../../../../lib/llib-lgen
673 $(ROOT)/usr/ccs/lib/llib-lgen.ln:= REALPATH=../../../../lib/llib-lgen.ln
674 $(ROOT)/usr/ccs/lib/libmalloc.so:= REALPATH=../../../../lib/libmalloc.so.1
675 $(ROOT)/usr/ccs/lib/libmenu.so:= REALPATH=../../../../lib/libmenu.so.1
676 $(ROOT)/usr/ccs/lib/llib-lmenu:= REALPATH=../../../../lib/llib-lmenu
677 $(ROOT)/usr/ccs/lib/llib-lmenu.ln:= REALPATH=../../../../lib/llib-lmenu.ln
678 $(ROOT)/usr/ccs/lib/libpanel.so:= REALPATH=../../../../lib/libpanel.so.1
679 $(ROOT)/usr/ccs/lib/llib-lpanel:= REALPATH=../../../../lib/llib-lpanel
680 $(ROOT)/usr/ccs/lib/llib-lpanel.ln:= REALPATH=../../../../lib/llib-lpanel.ln
681 $(ROOT)/usr/ccs/lib/libterm.lib.so:= REALPATH=../../../../lib/libterm.lib.so.1
682 $(ROOT)/usr/ccs/lib/llib-lterm.lib:= REALPATH=../../../../lib/llib-lterm.lib
683 $(ROOT)/usr/ccs/lib/llib-lterm.lib.ln:= REALPATH=../../../../lib/llib-lterm.lib.ln
684 $(ROOT)/usr/ccs/lib/libtermcap.so:= REALPATH=../../../../lib/libtermcap.so.1
685 $(ROOT)/usr/ccs/lib/llib-ltermcap:= REALPATH=../../../../lib/llib-ltermcap
686 $(ROOT)/usr/ccs/lib/llib-ltermcap.ln:= REALPATH=../../../../lib/llib-ltermcap.ln
687 $(ROOT)/usr/ccs/lib/values-Xa.o:= REALPATH=../../../../lib/values-Xa.o
688 $(ROOT)/usr/ccs/lib/values-Xc.o:= REALPATH=../../../../lib/values-Xc.o
689 $(ROOT)/usr/ccs/lib/values-Xs.o:= REALPATH=../../../../lib/values-Xs.o
690 $(ROOT)/usr/ccs/lib/values-Xt.o:= REALPATH=../../../../lib/values-Xt.o
691 $(ROOT)/usr/ccs/lib/values-xpg4.o:= REALPATH=../../../../lib/values-xpg4.o
692 $(ROOT)/usr/ccs/lib/values-xpg6.o:= REALPATH=../../../../lib/values-xpg6.o
693 $(ROOT)/usr/ccs/lib/libl.so:= REALPATH=../../../../lib/libl.so.1
694 $(ROOT)/usr/ccs/lib/llib-ll.ln:= REALPATH=../../../../lib/llib-ll.ln
695 $(ROOT)/usr/ccs/lib/liby.so:= REALPATH=../../../../lib/liby.so.1
696 $(ROOT)/usr/ccs/lib/llib-ly.ln:= REALPATH=../../../../lib/llib-ly.ln
697 $(ROOT)/usr/lib/lwp/libthread.so.1:= REALPATH=../libthread.so.1
698 $(ROOT)/usr/lib/lwp/libthread_db.so.1:= REALPATH=../libthread_db.so.1

700 # symlinks to populate usr/ccs/lib/$(MACH64)
701 $(ROOT)/usr/ccs/lib/$(MACH64)/libcurses.so:= \
702     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
703 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-lcurses.ln:= \
704     REALPATH=../../../../lib/$(MACH64)/llib-lcurses.ln
705 $(ROOT)/usr/ccs/lib/$(MACH64)/libform.so:= \
706     REALPATH=../../../../lib/$(MACH64)/libform.so.1
707 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-lform.ln:= \
708     REALPATH=../../../../lib/$(MACH64)/llib-lform.ln
709 $(ROOT)/usr/ccs/lib/$(MACH64)/libgen.so:= \
710     REALPATH=../../../../lib/$(MACH64)/libgen.so.1
711 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-lgen.ln:= \
712     REALPATH=../../../../lib/$(MACH64)/llib-lgen.ln
713 $(ROOT)/usr/ccs/lib/$(MACH64)/libmalloc.so:= \
714     REALPATH=../../../../lib/$(MACH64)/libmalloc.so.1

```

```

715 $(ROOT)/usr/ccs/lib/$(MACH64)/libmenu.so:= \
716     REALPATH=../../../../lib/$(MACH64)/libmenu.so.1
717 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-lmenu.ln:= \
718     REALPATH=../../../../lib/$(MACH64)/llib-lmenu.ln
719 $(ROOT)/usr/ccs/lib/$(MACH64)/libpanel.so:= \
720     REALPATH=../../../../lib/$(MACH64)/libpanel.so.1
721 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-lpanel.ln:= \
722     REALPATH=../../../../lib/$(MACH64)/llib-lpanel.ln
723 $(ROOT)/usr/ccs/lib/$(MACH64)/libterm.lib.so:= \
724     REALPATH=../../../../lib/$(MACH64)/libterm.lib.so.1
725 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-lterm.lib.ln:= \
726     REALPATH=../../../../lib/$(MACH64)/llib-lterm.lib.ln
727 $(ROOT)/usr/ccs/lib/$(MACH64)/libtermcap.so:= \
728     REALPATH=../../../../lib/$(MACH64)/libtermcap.so.1
729 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-ltermcap.ln:= \
730     REALPATH=../../../../lib/$(MACH64)/llib-ltermcap.ln
731 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xa.o:= \
732     REALPATH=../../../../lib/$(MACH64)/values-Xa.o
733 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xc.o:= \
734     REALPATH=../../../../lib/$(MACH64)/values-Xc.o
735 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xs.o:= \
736     REALPATH=../../../../lib/$(MACH64)/values-Xs.o
737 $(ROOT)/usr/ccs/lib/$(MACH64)/values-Xt.o:= \
738     REALPATH=../../../../lib/$(MACH64)/values-Xt.o
739 $(ROOT)/usr/ccs/lib/$(MACH64)/values-xpg4.o:= \
740     REALPATH=../../../../lib/$(MACH64)/values-xpg4.o
741 $(ROOT)/usr/ccs/lib/$(MACH64)/values-xpg6.o:= \
742     REALPATH=../../../../lib/$(MACH64)/values-xpg6.o
743 $(ROOT)/usr/ccs/lib/$(MACH64)/libl.so:= \
744     REALPATH=../../../../lib/$(MACH64)/libl.so.1
745 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-ll.ln:= \
746     REALPATH=../../../../lib/$(MACH64)/llib-ll.ln
747 $(ROOT)/usr/ccs/lib/$(MACH64)/liby.so:= \
748     REALPATH=../../../../lib/$(MACH64)/liby.so.1
749 $(ROOT)/usr/ccs/lib/$(MACH64)/llib-ly.ln:= \
750     REALPATH=../../../../lib/$(MACH64)/llib-ly.ln
751 $(ROOT)/usr/lib/lwp/$(MACH64)/libthread.so.1:= \
752     REALPATH=../../../../$(MACH64)/libthread.so.1
753 $(ROOT)/usr/lib/lwp/$(MACH64)/libthread_db.so.1:= \
754     REALPATH=../../../../$(MACH64)/libthread_db.so.1

756 SYM.USRCCSLIB= \
757     /usr/ccs/lib/libcurses.so \
758     /usr/ccs/lib/llib-lcurses \
759     /usr/ccs/lib/llib-lcurses.ln \
760     /usr/ccs/lib/libform.so \
761     /usr/ccs/lib/llib-lform \
762     /usr/ccs/lib/llib-lform.ln \
763     /usr/ccs/lib/libgen.so \
764     /usr/ccs/lib/llib-lgen \
765     /usr/ccs/lib/llib-lgen.ln \
766     /usr/ccs/lib/libmalloc.so \
767     /usr/ccs/lib/libmenu.so \
768     /usr/ccs/lib/llib-lmenu \
769     /usr/ccs/lib/llib-lmenu.ln \
770     /usr/ccs/lib/libpanel.so \
771     /usr/ccs/lib/llib-lpanel \
772     /usr/ccs/lib/llib-lpanel.ln \
773     /usr/ccs/lib/libterm.lib.so \
774     /usr/ccs/lib/llib-lterm.lib \
775     /usr/ccs/lib/llib-lterm.lib.ln \
776     /usr/ccs/lib/libtermcap.so \
777     /usr/ccs/lib/llib-ltermcap \
778     /usr/ccs/lib/llib-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/llib-ll.ln \
787 /usr/ccs/lib/liby.so \
788 /usr/ccs/lib/llib-ly.ln \
789 /usr/lib/lwp/libthread.so.1 \
790 /usr/lib/lwp/libthread_db.so.1

```

```

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

```

```

821 # Special symlinks to direct libraries that have been moved
822 # from /usr/lib to /lib in order to live in the root filesystem.
823 $(ROOT)/lib/libposix4.so.1:= REALPATH=librt.so.1
824 $(ROOT)/lib/libposix4.so:= REALPATH=libposix4.so.1
825 $(ROOT)/lib/llib-lposix4:= REALPATH=llib-lrt
826 $(ROOT)/lib/llib-lposix4.ln:= REALPATH=llib-lrt.ln
827 $(ROOT)/lib/libthread_db.so.1:= REALPATH=libc_db.so.1
828 $(ROOT)/lib/libthread_db.so:= REALPATH=libc_db.so.1
829 $(ROOT)/usr/lib/ld.so.1:= REALPATH=.../lib/ld.so.1
830 $(ROOT)/usr/lib/libadm.so.1:= REALPATH=.../lib/libadm.so.1
831 $(ROOT)/usr/lib/libadm.so:= REALPATH=.../lib/libadm.so.1
832 $(ROOT)/usr/lib/libaio.so.1:= REALPATH=.../lib/libaio.so.1
833 $(ROOT)/usr/lib/libaio.so:= REALPATH=.../lib/libaio.so.1
834 $(ROOT)/usr/lib/libavl.so.1:= REALPATH=.../lib/libavl.so.1
835 $(ROOT)/usr/lib/libavl.so:= REALPATH=.../lib/libavl.so.1
836 $(ROOT)/usr/lib/libbsm.so.1:= REALPATH=.../lib/libbsm.so.1
837 $(ROOT)/usr/lib/libbsm.so:= REALPATH=.../lib/libbsm.so.1
838 $(ROOT)/usr/lib/libc.so.1:= REALPATH=.../lib/libc.so.1
839 $(ROOT)/usr/lib/libc.so:= REALPATH=.../lib/libc.so.1
840 $(ROOT)/usr/lib/libc_db.so.1:= REALPATH=.../lib/libc_db.so.1
841 $(ROOT)/usr/lib/libc_db.so:= REALPATH=.../lib/libc_db.so.1
842 $(ROOT)/usr/lib/libcmdutils.so.1:= REALPATH=.../lib/libcmdutils.so.1
843 $(ROOT)/usr/lib/libcmdutils.so:= REALPATH=.../lib/libcmdutils.so.1
844 $(ROOT)/usr/lib/libcontract.so.1:= REALPATH=.../lib/libcontract.so.1
845 $(ROOT)/usr/lib/libcontract.so:= REALPATH=.../lib/libcontract.so.1
846 $(ROOT)/usr/lib/libcryptoutil.so.1:= REALPATH=.../lib/libcryptoutil.so.1

```

```

847 $(ROOT)/usr/lib/libcryptoutil.so:= REALPATH=.../lib/libcryptoutil.so.1
848 $(ROOT)/usr/lib/libctf.so.1:= REALPATH=.../lib/libctf.so.1
849 $(ROOT)/usr/lib/libctf.so:= REALPATH=.../lib/libctf.so.1
850 $(ROOT)/usr/lib/libcurses.so.1:= REALPATH=.../lib/libcurses.so.1
851 $(ROOT)/usr/lib/libcurses.so:= REALPATH=.../lib/libcurses.so.1
852 $(ROOT)/usr/lib/libdevice.so.1:= REALPATH=.../lib/libdevice.so.1
853 $(ROOT)/usr/lib/libdevice.so:= REALPATH=.../lib/libdevice.so.1
854 $(ROOT)/usr/lib/libdevvid.so.1:= REALPATH=.../lib/libdevvid.so.1
855 $(ROOT)/usr/lib/libdevvid.so:= REALPATH=.../lib/libdevvid.so.1
856 $(ROOT)/usr/lib/libdevinfo.so.1:= REALPATH=.../lib/libdevinfo.so.1
857 $(ROOT)/usr/lib/libdevinfo.so:= REALPATH=.../lib/libdevinfo.so.1
858 $(ROOT)/usr/lib/libdhcpcagent.so.1:= REALPATH=.../lib/libdhcpcagent.so.1
859 $(ROOT)/usr/lib/libdhcpcagent.so:= REALPATH=.../lib/libdhcpcagent.so.1
860 $(ROOT)/usr/lib/libdhcputil.so.1:= REALPATH=.../lib/libdhcputil.so.1
861 $(ROOT)/usr/lib/libdhcputil.so:= REALPATH=.../lib/libdhcputil.so.1
862 $(ROOT)/usr/lib/libdl.so.1:= REALPATH=.../lib/libdl.so.1
863 $(ROOT)/usr/lib/libdl.so:= REALPATH=.../lib/libdl.so.1
864 $(ROOT)/usr/lib/libdldpi.so.1:= REALPATH=.../lib/libdldpi.so.1
865 $(ROOT)/usr/lib/libdldpi.so:= REALPATH=.../lib/libdldpi.so.1
866 $(ROOT)/usr/lib/libdoor.so.1:= REALPATH=.../lib/libdoor.so.1
867 $(ROOT)/usr/lib/libdoor.so:= REALPATH=.../lib/libdoor.so.1
868 $(ROOT)/usr/lib/libefi.so.1:= REALPATH=.../lib/libefi.so.1
869 $(ROOT)/usr/lib/libefi.so:= REALPATH=.../lib/libefi.so.1
870 $(ROOT)/usr/lib/libelf.so.1:= REALPATH=.../lib/libelf.so.1
871 $(ROOT)/usr/lib/libelf.so:= REALPATH=.../lib/libelf.so.1
872 $(ROOT)/usr/lib/libfakekernel.so.1:= REALPATH=.../lib/libfakekernel.so.1
873 $(ROOT)/usr/lib/libfakekernel.so:= REALPATH=.../lib/libfakekernel.so.1
874 $(ROOT)/usr/lib/libfdisk.so.1:= REALPATH=.../lib/libfdisk.so.1
875 $(ROOT)/usr/lib/libfdisk.so:= REALPATH=.../lib/libfdisk.so.1
876 $(ROOT)/usr/lib/libgen.so.1:= REALPATH=.../lib/libgen.so.1
877 $(ROOT)/usr/lib/libgen.so:= REALPATH=.../lib/libgen.so.1
878 $(ROOT)/usr/lib/libinetutil.so.1:= REALPATH=.../lib/libinetutil.so.1
879 $(ROOT)/usr/lib/libinetutil.so:= REALPATH=.../lib/libinetutil.so.1
880 $(ROOT)/usr/lib/libintl.so.1:= REALPATH=.../lib/libintl.so.1
881 $(ROOT)/usr/lib/libintl.so:= REALPATH=.../lib/libintl.so.1
882 $(ROOT)/usr/lib/libkmf.so.1:= REALPATH=.../lib/libkmf.so.1
883 $(ROOT)/usr/lib/libkmf.so:= REALPATH=.../lib/libkmf.so.1
884 $(ROOT)/usr/lib/libkmfberder.so.1:= REALPATH=.../lib/libkmfberder.so.1
885 $(ROOT)/usr/lib/libkmfberder.so:= REALPATH=.../lib/libkmfberder.so.1
886 $(ROOT)/usr/lib/libkstat.so.1:= REALPATH=.../lib/libkstat.so.1
887 $(ROOT)/usr/lib/libkstat.so:= REALPATH=.../lib/libkstat.so.1
888 $(ROOT)/usr/lib/liblddbg.so.4:= REALPATH=.../lib/liblddbg.so.4
889 $(ROOT)/usr/lib/libm.so.1:= REALPATH=.../lib/libm.so.1
890 $(ROOT)/usr/lib/libm.so.2:= REALPATH=.../lib/libm.so.2
891 $(ROOT)/usr/lib/libm.so:= REALPATH=.../lib/libm.so.2
892 $(ROOT)/usr/lib/libmd.so.1:= REALPATH=.../lib/libmd.so.1
893 $(ROOT)/usr/lib/libmd.so:= REALPATH=.../lib/libmd.so.1
894 $(ROOT)/usr/lib/libmd5.so.1:= REALPATH=.../lib/libmd5.so.1
895 $(ROOT)/usr/lib/libmd5.so:= REALPATH=.../lib/libmd5.so.1
896 $(ROOT)/usr/lib/libmp.so.1:= REALPATH=.../lib/libmp.so.1
897 $(ROOT)/usr/lib/libmp.so.2:= REALPATH=.../lib/libmp.so.2
898 $(ROOT)/usr/lib/libmp.so:= REALPATH=.../lib/libmp.so.2
899 $(ROOT)/usr/lib/libmvec.so.1:= REALPATH=.../lib/libmvec.so.1
900 $(ROOT)/usr/lib/libmvec.so:= REALPATH=.../lib/libmvec.so.1
901 $(ROOT)/usr/lib/libnsl.so.1:= REALPATH=.../lib/libnsl.so.1
902 $(ROOT)/usr/lib/libnsl.so:= REALPATH=.../lib/libnsl.so.1
903 $(ROOT)/usr/lib/libnvpair.so.1:= REALPATH=.../lib/libnvpair.so.1
904 $(ROOT)/usr/lib/libnvpair.so:= REALPATH=.../lib/libnvpair.so.1
905 $(ROOT)/usr/lib/libpam.so.1:= REALPATH=.../lib/libpam.so.1
906 $(ROOT)/usr/lib/libpam.so:= REALPATH=.../lib/libpam.so.1
907 $(ROOT)/usr/lib/libposix4.so.1:= REALPATH=.../lib/librt.so.1
908 $(ROOT)/usr/lib/libposix4.so:= REALPATH=.../lib/librt.so.1
909 $(ROOT)/usr/lib/libproc.so.1:= REALPATH=.../lib/libproc.so.1
910 $(ROOT)/usr/lib/libproc.so:= REALPATH=.../lib/libproc.so.1
911 $(ROOT)/usr/lib/libpthread.so.1:= REALPATH=.../lib/libpthread.so.1
912 $(ROOT)/usr/lib/libpthread.so:= REALPATH=.../lib/libpthread.so.1

```

```

913 $(ROOT)/usr/lib/librcm.so.1:= REALPATH=../../../../lib/librcm.so.1
914 $(ROOT)/usr/lib/librcm.so:= REALPATH=../../../../lib/librcm.so.1
915 $(ROOT)/usr/lib/libresolv.so.1:= REALPATH=../../../../lib/libresolv.so.1
916 $(ROOT)/usr/lib/libresolv.so.2:= REALPATH=../../../../lib/libresolv.so.2
917 $(ROOT)/usr/lib/libresolv.so:= REALPATH=../../../../lib/libresolv.so.2
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:= REALPATH=../../../../lib/librpcsvc.so.1
921 $(ROOT)/usr/lib/librpcsvc.so:= REALPATH=../../../../lib/librpcsvc.so.1
922 $(ROOT)/usr/lib/librt.so.1:= REALPATH=../../../../lib/librt.so.1
923 $(ROOT)/usr/lib/librt.so:= REALPATH=../../../../lib/librt.so.1
924 $(ROOT)/usr/lib/librtld.so.1:= REALPATH=../../../../lib/librtld.so.1
925 $(ROOT)/usr/lib/librtld_db.so.1:= REALPATH=../../../../lib/librtld_db.so.1
926 $(ROOT)/usr/lib/librtld_db.so:= REALPATH=../../../../lib/librtld_db.so.1
927 $(ROOT)/usr/lib/libscf.so.1:= REALPATH=../../../../lib/libscf.so.1
928 $(ROOT)/usr/lib/libscf.so:= REALPATH=../../../../lib/libscf.so.1
929 $(ROOT)/usr/lib/libsec.so.1:= REALPATH=../../../../lib/libsec.so.1
930 $(ROOT)/usr/lib/libsec.so:= REALPATH=../../../../lib/libsec.so.1
931 $(ROOT)/usr/lib/libsecdb.so.1:= REALPATH=../../../../lib/libsecdb.so.1
932 $(ROOT)/usr/lib/libsecdb.so:= REALPATH=../../../../lib/libsecdb.so.1
933 $(ROOT)/usr/lib/libsendfile.so.1:= REALPATH=../../../../lib/libsendfile.so.1
934 $(ROOT)/usr/lib/libsendfile.so:= REALPATH=../../../../lib/libsendfile.so.1
935 $(ROOT)/usr/lib/libsocket.so.1:= REALPATH=../../../../lib/libsocket.so.1
936 $(ROOT)/usr/lib/libsocket.so:= REALPATH=../../../../lib/libsocket.so.1
937 $(ROOT)/usr/lib/libsysevent.so.1:= REALPATH=../../../../lib/libsysevent.so.1
938 $(ROOT)/usr/lib/libsysevent.so:= REALPATH=../../../../lib/libsysevent.so.1
939 $(ROOT)/usr/lib/libtermcap.so.1:= REALPATH=../../../../lib/libtermcap.so.1
940 $(ROOT)/usr/lib/libtermcap.so:= REALPATH=../../../../lib/libtermcap.so.1
941 $(ROOT)/usr/lib/libtermplib.so.1:= REALPATH=../../../../lib/libcurses.so.1
942 $(ROOT)/usr/lib/libtermplib.so:= REALPATH=../../../../lib/libcurses.so.1
943 $(ROOT)/usr/lib/libthread.so.1:= REALPATH=../../../../lib/libthread.so.1
944 $(ROOT)/usr/lib/libthread.so:= REALPATH=../../../../lib/libthread.so.1
945 $(ROOT)/usr/lib/libthread_db.so.1:= REALPATH=../../../../lib/libc_db.so.1
946 $(ROOT)/usr/lib/libthread_db.so:= REALPATH=../../../../lib/libc_db.so.1
947 $(ROOT)/usr/lib/libtsnet.so.1:= REALPATH=../../../../lib/libtsnet.so.1
948 $(ROOT)/usr/lib/libtsnet.so:= REALPATH=../../../../lib/libtsnet.so.1
949 $(ROOT)/usr/lib/libtsol.so.2:= REALPATH=../../../../lib/libtsol.so.2
950 $(ROOT)/usr/lib/libtsol.so:= REALPATH=../../../../lib/libtsol.so.2
951 $(ROOT)/usr/lib/libumem.so.1:= REALPATH=../../../../lib/libumem.so.1
952 $(ROOT)/usr/lib/libumem.so:= REALPATH=../../../../lib/libumem.so.1
953 $(ROOT)/usr/lib/libuuid.so.1:= REALPATH=../../../../lib/libuuid.so.1
954 $(ROOT)/usr/lib/libuuid.so:= REALPATH=../../../../lib/libuuid.so.1
955 $(ROOT)/usr/lib/libuutil.so.1:= REALPATH=../../../../lib/libuutil.so.1
956 $(ROOT)/usr/lib/libuutil.so:= REALPATH=../../../../lib/libuutil.so.1
957 $(ROOT)/usr/lib/libw.so.1:= REALPATH=../../../../lib/libw.so.1
958 $(ROOT)/usr/lib/libw.so:= REALPATH=../../../../lib/libw.so.1
959 $(ROOT)/usr/lib/libxnet.so.1:= REALPATH=../../../../lib/libxnet.so.1
960 $(ROOT)/usr/lib/libxnet.so:= REALPATH=../../../../lib/libxnet.so.1
961 $(ROOT)/usr/lib/libzfs.so.1:= REALPATH=../../../../lib/libzfs.so.1
962 $(ROOT)/usr/lib/libzfs.so:= REALPATH=../../../../lib/libzfs.so.1
963 $(ROOT)/usr/lib/libzfs_core.so.1:= REALPATH=../../../../lib/libzfs_core.so.1
964 $(ROOT)/usr/lib/libzfs_core.so:= REALPATH=../../../../lib/libzfs_core.so.1
965 $(ROOT)/usr/lib/llib-ladm.ln:= REALPATH=../../../../lib/llib-ladm.ln
966 $(ROOT)/usr/lib/llib-ladm:= REALPATH=../../../../lib/llib-ladm
967 $(ROOT)/usr/lib/llib-laio.ln:= REALPATH=../../../../lib/llib-laio.ln
968 $(ROOT)/usr/lib/llib-laio:= REALPATH=../../../../lib/llib-laio
969 $(ROOT)/usr/lib/llib-lavl.ln:= REALPATH=../../../../lib/llib-lavl.ln
970 $(ROOT)/usr/lib/llib-lavl:= REALPATH=../../../../lib/llib-lavl
971 $(ROOT)/usr/lib/llib-lbsm.ln:= REALPATH=../../../../lib/llib-lbsm.ln
972 $(ROOT)/usr/lib/llib-lbsm:= REALPATH=../../../../lib/llib-lbsm
973 $(ROOT)/usr/lib/llib-lc.ln:= REALPATH=../../../../lib/llib-lc.ln
974 $(ROOT)/usr/lib/llib-lc:= REALPATH=../../../../lib/llib-lc
975 $(ROOT)/usr/lib/llib-lcmdutils.ln:= REALPATH=../../../../lib/llib-lcmdutils.ln
976 $(ROOT)/usr/lib/llib-lcmdutils:= REALPATH=../../../../lib/llib-lcmdutils
977 $(ROOT)/usr/lib/llib-lcontract.ln:= REALPATH=../../../../lib/llib-lcontract.ln
978 $(ROOT)/usr/lib/llib-lcontract:= REALPATH=../../../../lib/llib-lcontract

```

```

979 $(ROOT)/usr/lib/llib-lctf.ln:= REALPATH=../../../../lib/llib-lctf.ln
980 $(ROOT)/usr/lib/llib-lctf:= REALPATH=../../../../lib/llib-lctf
981 $(ROOT)/usr/lib/llib-lcurses.ln:= REALPATH=../../../../lib/llib-lcurses.ln
982 $(ROOT)/usr/lib/llib-lcurses:= REALPATH=../../../../lib/llib-lcurses
983 $(ROOT)/usr/lib/llib-ldevice.ln:= REALPATH=../../../../lib/llib-ldevice.ln
984 $(ROOT)/usr/lib/llib-ldevice:= REALPATH=../../../../lib/llib-ldevice
985 $(ROOT)/usr/lib/llib-ldevld.ln:= REALPATH=../../../../lib/llib-ldevld.ln
986 $(ROOT)/usr/lib/llib-ldevld:= REALPATH=../../../../lib/llib-ldevld
987 $(ROOT)/usr/lib/llib-ldevinfo.ln:= REALPATH=../../../../lib/llib-ldevinfo.ln
988 $(ROOT)/usr/lib/llib-ldevinfo:= REALPATH=../../../../lib/llib-ldevinfo
989 $(ROOT)/usr/lib/llib-ldhcpagent.ln:= REALPATH=../../../../lib/llib-ldhcpagent.ln
990 $(ROOT)/usr/lib/llib-ldhcpagent:= REALPATH=../../../../lib/llib-ldhcpagent
991 $(ROOT)/usr/lib/llib-ldhcputil.ln:= REALPATH=../../../../lib/llib-ldhcputil.ln
992 $(ROOT)/usr/lib/llib-ldhcputil:= REALPATH=../../../../lib/llib-ldhcputil
993 $(ROOT)/usr/lib/llib-ldl.ln:= REALPATH=../../../../lib/llib-ldl.ln
994 $(ROOT)/usr/lib/llib-ldl:= REALPATH=../../../../lib/llib-ldl
995 $(ROOT)/usr/lib/llib-ldoor.ln:= REALPATH=../../../../lib/llib-ldoor.ln
996 $(ROOT)/usr/lib/llib-ldoor:= REALPATH=../../../../lib/llib-ldoor
997 $(ROOT)/usr/lib/llib-lefi.ln:= REALPATH=../../../../lib/llib-lefi.ln
998 $(ROOT)/usr/lib/llib-lefi:= REALPATH=../../../../lib/llib-lefi
999 $(ROOT)/usr/lib/llib-lelf.ln:= REALPATH=../../../../lib/llib-lelf.ln
1000 $(ROOT)/usr/lib/llib-lelf:= REALPATH=../../../../lib/llib-lelf
1001 $(ROOT)/usr/lib/llib-lfdisk.ln:= REALPATH=../../../../lib/llib-lfdisk.ln
1002 $(ROOT)/usr/lib/llib-lfdisk:= REALPATH=../../../../lib/llib-lfdisk
1003 $(ROOT)/usr/lib/llib-lgen.ln:= REALPATH=../../../../lib/llib-lgen.ln
1004 $(ROOT)/usr/lib/llib-lgen:= REALPATH=../../../../lib/llib-lgen
1005 $(ROOT)/usr/lib/llib-linetutil.ln:= REALPATH=../../../../lib/llib-linetutil.ln
1006 $(ROOT)/usr/lib/llib-linetutil:= REALPATH=../../../../lib/llib-linetutil
1007 $(ROOT)/usr/lib/llib-lintl.ln:= REALPATH=../../../../lib/llib-lintl.ln
1008 $(ROOT)/usr/lib/llib-lintl:= REALPATH=../../../../lib/llib-lintl
1009 $(ROOT)/usr/lib/llib-lkstat.ln:= REALPATH=../../../../lib/llib-lkstat.ln
1010 $(ROOT)/usr/lib/llib-lkstat:= REALPATH=../../../../lib/llib-lkstat
1011 $(ROOT)/usr/lib/llib-lm:= REALPATH=../../../../lib/llib-lm
1012 $(ROOT)/usr/lib/llib-lm.ln:= REALPATH=../../../../lib/llib-lm.ln
1013 $(ROOT)/usr/lib/llib-lmd5.ln:= REALPATH=../../../../lib/llib-lmd5.ln
1014 $(ROOT)/usr/lib/llib-lmd5:= REALPATH=../../../../lib/llib-lmd5
1015 $(ROOT)/usr/lib/llib-lnsl.ln:= REALPATH=../../../../lib/llib-lnsl.ln
1016 $(ROOT)/usr/lib/llib-lnsl:= REALPATH=../../../../lib/llib-lnsl
1017 $(ROOT)/usr/lib/llib-lnvpair.ln:= REALPATH=../../../../lib/llib-lnvpair.ln
1018 $(ROOT)/usr/lib/llib-lnvpair:= REALPATH=../../../../lib/llib-lnvpair
1019 $(ROOT)/usr/lib/llib-lpam.ln:= REALPATH=../../../../lib/llib-lpam.ln
1020 $(ROOT)/usr/lib/llib-lpam:= REALPATH=../../../../lib/llib-lpam
1021 $(ROOT)/usr/lib/llib-lposix4.ln:= REALPATH=../../../../lib/llib-lrt.ln
1022 $(ROOT)/usr/lib/llib-lposix4:= REALPATH=../../../../lib/llib-lrt
1023 $(ROOT)/usr/lib/llib-lpthread.ln:= REALPATH=../../../../lib/llib-lpthread.ln
1024 $(ROOT)/usr/lib/llib-lpthread:= REALPATH=../../../../lib/llib-lpthread
1025 $(ROOT)/usr/lib/llib-lresolv.ln:= REALPATH=../../../../lib/llib-lresolv.ln
1026 $(ROOT)/usr/lib/llib-lresolv:= REALPATH=../../../../lib/llib-lresolv
1027 $(ROOT)/usr/lib/llib-lrpcsvc.ln:= REALPATH=../../../../lib/llib-lrpcsvc.ln
1028 $(ROOT)/usr/lib/llib-lrpcsvc:= REALPATH=../../../../lib/llib-lrpcsvc
1029 $(ROOT)/usr/lib/llib-lrt.ln:= REALPATH=../../../../lib/llib-lrt.ln
1030 $(ROOT)/usr/lib/llib-lrt:= REALPATH=../../../../lib/llib-lrt
1031 $(ROOT)/usr/lib/llib-lrtld_db.ln:= REALPATH=../../../../lib/llib-lrtld_db.ln
1032 $(ROOT)/usr/lib/llib-lrtld_db:= REALPATH=../../../../lib/llib-lrtld_db
1033 $(ROOT)/usr/lib/llib-lscf.ln:= REALPATH=../../../../lib/llib-lscf.ln
1034 $(ROOT)/usr/lib/llib-lscf:= REALPATH=../../../../lib/llib-lscf
1035 $(ROOT)/usr/lib/llib-lsec.ln:= REALPATH=../../../../lib/llib-lsec.ln
1036 $(ROOT)/usr/lib/llib-lsec:= REALPATH=../../../../lib/llib-lsec
1037 $(ROOT)/usr/lib/llib-lsecdb.ln:= REALPATH=../../../../lib/llib-lsecdb.ln
1038 $(ROOT)/usr/lib/llib-lsecdb:= REALPATH=../../../../lib/llib-lsecdb
1039 $(ROOT)/usr/lib/llib-lsendfile.ln:= REALPATH=../../../../lib/llib-lsendfile.ln
1040 $(ROOT)/usr/lib/llib-lsendfile:= REALPATH=../../../../lib/llib-lsendfile
1041 $(ROOT)/usr/lib/llib-lsocket.ln:= REALPATH=../../../../lib/llib-lsocket.ln
1042 $(ROOT)/usr/lib/llib-lsocket:= REALPATH=../../../../lib/llib-lsocket
1043 $(ROOT)/usr/lib/llib-lsysevent.ln:= REALPATH=../../../../lib/llib-lsysevent.ln
1044 $(ROOT)/usr/lib/llib-lsysevent:= REALPATH=../../../../lib/llib-lsysevent

```



```

1045 $(ROOT)/usr/lib/llib-ltermcap.ln:= REALPATH=../../../../lib/llib-ltermcap.ln
1046 $(ROOT)/usr/lib/llib-ltermcap:= REALPATH=../../../../lib/llib-ltermcap
1047 $(ROOT)/usr/lib/llib-ltermlib.ln:= REALPATH=../../../../lib/llib-ltermlib.ln
1048 $(ROOT)/usr/lib/llib-ltermlib:= REALPATH=../../../../lib/llib-ltermlib
1049 $(ROOT)/usr/lib/llib-lthread.ln:= REALPATH=../../../../lib/llib-lthread.ln
1050 $(ROOT)/usr/lib/llib-lthread:= REALPATH=../../../../lib/llib-lthread
1051 $(ROOT)/usr/lib/llib-lthread_db.ln:= REALPATH=../../../../lib/llib-lthread_db.ln
1052 $(ROOT)/usr/lib/llib-lthread_db:= REALPATH=../../../../lib/llib-lthread_db
1053 $(ROOT)/usr/lib/llib-ltsnet.ln:= REALPATH=../../../../lib/llib-ltsnet.ln
1054 $(ROOT)/usr/lib/llib-ltsnet:= REALPATH=../../../../lib/llib-ltsnet
1055 $(ROOT)/usr/lib/llib-ltsol.ln:= REALPATH=../../../../lib/llib-ltsol.ln
1056 $(ROOT)/usr/lib/llib-ltsol:= REALPATH=../../../../lib/llib-ltsol
1057 $(ROOT)/usr/lib/llib-lumem.ln:= REALPATH=../../../../lib/llib-lumem.ln
1058 $(ROOT)/usr/lib/llib-lumem:= REALPATH=../../../../lib/llib-lumem
1059 $(ROOT)/usr/lib/llib-luuid.ln:= REALPATH=../../../../lib/llib-luuid.ln
1060 $(ROOT)/usr/lib/llib-luuid:= REALPATH=../../../../lib/llib-luuid
1061 $(ROOT)/usr/lib/llib-lxnet.ln:= REALPATH=../../../../lib/llib-lxnet.ln
1062 $(ROOT)/usr/lib/llib-lxnet:= REALPATH=../../../../lib/llib-lxnet
1063 $(ROOT)/usr/lib/llib-lzfs.ln:= REALPATH=../../../../lib/llib-lzfs.ln
1064 $(ROOT)/usr/lib/llib-lzfs:= REALPATH=../../../../lib/llib-lzfs
1065 $(ROOT)/usr/lib/llib-lzfs_core.ln:= REALPATH=../../../../lib/llib-lzfs_core.ln
1066 $(ROOT)/usr/lib/llib-lzfs_core:= REALPATH=../../../../lib/llib-lzfs_core
1067 $(ROOT)/usr/lib/nss_compat.so.1:= REALPATH=../../../../lib/nss_compat.so.1
1068 $(ROOT)/usr/lib/nss_dns.so.1:= REALPATH=../../../../lib/nss_dns.so.1
1069 $(ROOT)/usr/lib/nss_files.so.1:= REALPATH=../../../../lib/nss_files.so.1
1070 $(ROOT)/usr/lib/nss_nis.so.1:= REALPATH=../../../../lib/nss_nis.so.1
1071 $(ROOT)/usr/lib/nss_user.so.1:= REALPATH=../../../../lib/nss_user.so.1
1072 $(ROOT)/usr/lib/fm/libfmevent.so.1:= REALPATH=../../../../lib/fm/libfmevent.so.1
1073 $(ROOT)/usr/lib/fm/libfmevent.so:= REALPATH=../../../../lib/fm/libfmevent.so.1
1074 $(ROOT)/usr/lib/fm/llib-lfmevent.ln:= REALPATH=../../../../lib/fm/llib-lfmevent.ln
1075 $(ROOT)/usr/lib/fm/llib-lfmevent:= REALPATH=../../../../lib/fm/llib-lfmevent

1077 $(ROOT)/lib/$(MACH64)/libposix4.so.1:= \
1078 REALPATH=librt.so.1
1079 $(ROOT)/lib/$(MACH64)/libposix4.so:= \
1080 REALPATH=libposix4.so.1
1081 $(ROOT)/lib/$(MACH64)/llib-lposix4.ln:= \
1082 REALPATH=llib-lrt.ln
1083 $(ROOT)/lib/$(MACH64)/libthread_db.so.1:= \
1084 REALPATH=libc_db.so.1
1085 $(ROOT)/lib/$(MACH64)/libthread_db.so:= \
1086 REALPATH=libc_db.so.1
1087 $(ROOT)/usr/lib/$(MACH64)/ld.so.1:= \
1088 REALPATH=../../../../lib/$(MACH64)/ld.so.1
1089 $(ROOT)/usr/lib/$(MACH64)/libadm.so.1:= \
1090 REALPATH=../../../../lib/$(MACH64)/libadm.so.1
1091 $(ROOT)/usr/lib/$(MACH64)/libadm.so:= \
1092 REALPATH=../../../../lib/$(MACH64)/libadm.so.1
1093 $(ROOT)/usr/lib/$(MACH64)/libaio.so.1:= \
1094 REALPATH=../../../../lib/$(MACH64)/libaio.so.1
1095 $(ROOT)/usr/lib/$(MACH64)/libaio.so:= \
1096 REALPATH=../../../../lib/$(MACH64)/libaio.so.1
1097 $(ROOT)/usr/lib/$(MACH64)/libavl.so.1:= \
1098 REALPATH=../../../../lib/$(MACH64)/libavl.so.1
1099 $(ROOT)/usr/lib/$(MACH64)/libavl.so:= \
1100 REALPATH=../../../../lib/$(MACH64)/libavl.so.1
1101 $(ROOT)/usr/lib/$(MACH64)/libbsm.so.1:= \
1102 REALPATH=../../../../lib/$(MACH64)/libbsm.so.1
1103 $(ROOT)/usr/lib/$(MACH64)/libbsm.so:= \
1104 REALPATH=../../../../lib/$(MACH64)/libbsm.so.1
1105 $(ROOT)/usr/lib/$(MACH64)/libc.so.1:= \
1106 REALPATH=../../../../lib/$(MACH64)/libc.so.1
1107 $(ROOT)/usr/lib/$(MACH64)/libc.so:= \
1108 REALPATH=../../../../lib/$(MACH64)/libc.so.1
1109 $(ROOT)/usr/lib/$(MACH64)/libc_db.so.1:= \
1110 REALPATH=../../../../lib/$(MACH64)/libc_db.so.1

```

```

1111 $(ROOT)/usr/lib/$(MACH64)/libc_db.so:= \
1112 REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1113 $(ROOT)/usr/lib/$(MACH64)/libcmdutils.so.1:= \
1114 REALPATH=../../../../lib/$(MACH64)/libcmdutils.so.1
1115 $(ROOT)/usr/lib/$(MACH64)/libcmdutils.so:= \
1116 REALPATH=../../../../lib/$(MACH64)/libcmdutils.so.1
1117 $(ROOT)/usr/lib/$(MACH64)/libcontract.so.1:= \
1118 REALPATH=../../../../lib/$(MACH64)/libcontract.so.1
1119 $(ROOT)/usr/lib/$(MACH64)/libcontract.so:= \
1120 REALPATH=../../../../lib/$(MACH64)/libcontract.so.1
1121 $(ROOT)/usr/lib/$(MACH64)/libctf.so.1:= \
1122 REALPATH=../../../../lib/$(MACH64)/libctf.so.1
1123 $(ROOT)/usr/lib/$(MACH64)/libctf.so:= \
1124 REALPATH=../../../../lib/$(MACH64)/libctf.so.1
1125 $(ROOT)/usr/lib/$(MACH64)/libcurses.so.1:= \
1126 REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1127 $(ROOT)/usr/lib/$(MACH64)/libcurses.so:= \
1128 REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1129 $(ROOT)/usr/lib/$(MACH64)/libdevice.so.1:= \
1130 REALPATH=../../../../lib/$(MACH64)/libdevice.so.1
1131 $(ROOT)/usr/lib/$(MACH64)/libdevice.so:= \
1132 REALPATH=../../../../lib/$(MACH64)/libdevice.so.1
1133 $(ROOT)/usr/lib/$(MACH64)/libdevvid.so.1:= \
1134 REALPATH=../../../../lib/$(MACH64)/libdevvid.so.1
1135 $(ROOT)/usr/lib/$(MACH64)/libdevvid.so:= \
1136 REALPATH=../../../../lib/$(MACH64)/libdevvid.so.1
1137 $(ROOT)/usr/lib/$(MACH64)/libdevinfo.so.1:= \
1138 REALPATH=../../../../lib/$(MACH64)/libdevinfo.so.1
1139 $(ROOT)/usr/lib/$(MACH64)/libdevinfo.so:= \
1140 REALPATH=../../../../lib/$(MACH64)/libdevinfo.so.1
1141 $(ROOT)/usr/lib/$(MACH64)/libdhcputil.so.1:= \
1142 REALPATH=../../../../lib/$(MACH64)/libdhcputil.so.1
1143 $(ROOT)/usr/lib/$(MACH64)/libdhcputil.so:= \
1144 REALPATH=../../../../lib/$(MACH64)/libdhcputil.so.1
1145 $(ROOT)/usr/lib/$(MACH64)/libdl.so.1:= \
1146 REALPATH=../../../../lib/$(MACH64)/libdl.so.1
1147 $(ROOT)/usr/lib/$(MACH64)/libdl.so:= \
1148 REALPATH=../../../../lib/$(MACH64)/libdl.so.1
1149 $(ROOT)/usr/lib/$(MACH64)/libdlpi.so.1:= \
1150 REALPATH=../../../../lib/$(MACH64)/libdlpi.so.1
1151 $(ROOT)/usr/lib/$(MACH64)/libdlpi.so:= \
1152 REALPATH=../../../../lib/$(MACH64)/libdlpi.so.1
1153 $(ROOT)/usr/lib/$(MACH64)/libdoor.so.1:= \
1154 REALPATH=../../../../lib/$(MACH64)/libdoor.so.1
1155 $(ROOT)/usr/lib/$(MACH64)/libdoor.so:= \
1156 REALPATH=../../../../lib/$(MACH64)/libdoor.so.1
1157 $(ROOT)/usr/lib/$(MACH64)/libefi.so.1:= \
1158 REALPATH=../../../../lib/$(MACH64)/libefi.so.1
1159 $(ROOT)/usr/lib/$(MACH64)/libefi.so:= \
1160 REALPATH=../../../../lib/$(MACH64)/libefi.so.1
1161 $(ROOT)/usr/lib/$(MACH64)/libelf.so.1:= \
1162 REALPATH=../../../../lib/$(MACH64)/libelf.so.1
1163 $(ROOT)/usr/lib/$(MACH64)/libelf.so:= \
1164 REALPATH=../../../../lib/$(MACH64)/libelf.so.1
1165 $(ROOT)/usr/lib/$(MACH64)/libgen.so.1:= \
1166 REALPATH=../../../../lib/$(MACH64)/libgen.so.1
1167 $(ROOT)/usr/lib/$(MACH64)/libgen.so:= \
1168 REALPATH=../../../../lib/$(MACH64)/libgen.so.1
1169 $(ROOT)/usr/lib/$(MACH64)/libinetutil.so.1:= \
1170 REALPATH=../../../../lib/$(MACH64)/libinetutil.so.1
1171 $(ROOT)/usr/lib/$(MACH64)/libinetutil.so:= \
1172 REALPATH=../../../../lib/$(MACH64)/libinetutil.so.1
1173 $(ROOT)/usr/lib/$(MACH64)/libintl.so.1:= \
1174 REALPATH=../../../../lib/$(MACH64)/libintl.so.1
1175 $(ROOT)/usr/lib/$(MACH64)/libintl.so:= \
1176 REALPATH=../../../../lib/$(MACH64)/libintl.so.1

```

```

1177 $(ROOT)/usr/lib/$(MACH64)/libkstat.so.1:= \
1178     REALPATH=../../../../lib/$(MACH64)/libkstat.so.1
1179 $(ROOT)/usr/lib/$(MACH64)/libkstat.so:= \
1180     REALPATH=../../../../lib/$(MACH64)/libkstat.so.1
1181 $(ROOT)/usr/lib/$(MACH64)/liblddbg.so.4:= \
1182     REALPATH=../../../../lib/$(MACH64)/liblddbg.so.4
1183 $(ROOT)/usr/lib/$(MACH64)/libm.so.1:= \
1184     REALPATH=../../../../lib/$(MACH64)/libm.so.1
1185 $(ROOT)/usr/lib/$(MACH64)/libm.so.2:= \
1186     REALPATH=../../../../lib/$(MACH64)/libm.so.2
1187 $(ROOT)/usr/lib/$(MACH64)/libm.so:= \
1188     REALPATH=../../../../lib/$(MACH64)/libm.so.2
1189 $(ROOT)/usr/lib/$(MACH64)/libmd.so.1:= \
1190     REALPATH=../../../../lib/$(MACH64)/libmd.so.1
1191 $(ROOT)/usr/lib/$(MACH64)/libmd.so:= \
1192     REALPATH=../../../../lib/$(MACH64)/libmd.so.1
1193 $(ROOT)/usr/lib/$(MACH64)/libmd5.so.1:= \
1194     REALPATH=../../../../lib/$(MACH64)/libmd5.so.1
1195 $(ROOT)/usr/lib/$(MACH64)/libmd5.so:= \
1196     REALPATH=../../../../lib/$(MACH64)/libmd5.so.1
1197 $(ROOT)/usr/lib/$(MACH64)/libmp.so.2:= \
1198     REALPATH=../../../../lib/$(MACH64)/libmp.so.2
1199 $(ROOT)/usr/lib/$(MACH64)/libmp.so:= \
1200     REALPATH=../../../../lib/$(MACH64)/libmp.so.2
1201 $(ROOT)/usr/lib/$(MACH64)/libmvec.so.1:= \
1202     REALPATH=../../../../lib/$(MACH64)/libmvec.so.1
1203 $(ROOT)/usr/lib/$(MACH64)/libmvec.so:= \
1204     REALPATH=../../../../lib/$(MACH64)/libmvec.so.1
1205 $(ROOT)/usr/lib/$(MACH64)/libnsl.so.1:= \
1206     REALPATH=../../../../lib/$(MACH64)/libnsl.so.1
1207 $(ROOT)/usr/lib/$(MACH64)/libnsl.so:= \
1208     REALPATH=../../../../lib/$(MACH64)/libnsl.so.1
1209 $(ROOT)/usr/lib/$(MACH64)/libnvpair.so.1:= \
1210     REALPATH=../../../../lib/$(MACH64)/libnvpair.so.1
1211 $(ROOT)/usr/lib/$(MACH64)/libnvpair.so:= \
1212     REALPATH=../../../../lib/$(MACH64)/libnvpair.so.1
1213 $(ROOT)/usr/lib/$(MACH64)/libpam.so.1:= \
1214     REALPATH=../../../../lib/$(MACH64)/libpam.so.1
1215 $(ROOT)/usr/lib/$(MACH64)/libpam.so:= \
1216     REALPATH=../../../../lib/$(MACH64)/libpam.so.1
1217 $(ROOT)/usr/lib/$(MACH64)/libposix4.so.1:= \
1218     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1219 $(ROOT)/usr/lib/$(MACH64)/libposix4.so:= \
1220     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1221 $(ROOT)/usr/lib/$(MACH64)/libproc.so.1:= \
1222     REALPATH=../../../../lib/$(MACH64)/libproc.so.1
1223 $(ROOT)/usr/lib/$(MACH64)/libproc.so:= \
1224     REALPATH=../../../../lib/$(MACH64)/libproc.so.1
1225 $(ROOT)/usr/lib/$(MACH64)/libpthread.so.1:= \
1226     REALPATH=../../../../lib/$(MACH64)/libpthread.so.1
1227 $(ROOT)/usr/lib/$(MACH64)/libpthread.so:= \
1228     REALPATH=../../../../lib/$(MACH64)/libpthread.so.1
1229 $(ROOT)/usr/lib/$(MACH64)/librcm.so.1:= \
1230     REALPATH=../../../../lib/$(MACH64)/librcm.so.1
1231 $(ROOT)/usr/lib/$(MACH64)/librcm.so:= \
1232     REALPATH=../../../../lib/$(MACH64)/librcm.so.1
1233 $(ROOT)/usr/lib/$(MACH64)/libresolv.so.2:= \
1234     REALPATH=../../../../lib/$(MACH64)/libresolv.so.2
1235 $(ROOT)/usr/lib/$(MACH64)/libresolv.so:= \
1236     REALPATH=../../../../lib/$(MACH64)/libresolv.so.2
1237 $(ROOT)/usr/lib/$(MACH64)/librestart.so.1:= \
1238     REALPATH=../../../../lib/$(MACH64)/librestart.so.1
1239 $(ROOT)/usr/lib/$(MACH64)/librestart.so:= \
1240     REALPATH=../../../../lib/$(MACH64)/librestart.so.1
1241 $(ROOT)/usr/lib/$(MACH64)/librpcsvc.so.1:= \
1242     REALPATH=../../../../lib/$(MACH64)/librpcsvc.so.1

```

```

1243 $(ROOT)/usr/lib/$(MACH64)/librpcsvc.so:= \
1244     REALPATH=../../../../lib/$(MACH64)/librpcsvc.so.1
1245 $(ROOT)/usr/lib/$(MACH64)/librt.so.1:= \
1246     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1247 $(ROOT)/usr/lib/$(MACH64)/librt.so:= \
1248     REALPATH=../../../../lib/$(MACH64)/librt.so.1
1249 $(ROOT)/usr/lib/$(MACH64)/librtld.so.1:= \
1250     REALPATH=../../../../lib/$(MACH64)/librtld.so.1
1251 $(ROOT)/usr/lib/$(MACH64)/librtld_db.so.1:= \
1252     REALPATH=../../../../lib/$(MACH64)/librtld_db.so.1
1253 $(ROOT)/usr/lib/$(MACH64)/librtld_db.so:= \
1254     REALPATH=../../../../lib/$(MACH64)/librtld_db.so.1
1255 $(ROOT)/usr/lib/$(MACH64)/libscf.so.1:= \
1256     REALPATH=../../../../lib/$(MACH64)/libscf.so.1
1257 $(ROOT)/usr/lib/$(MACH64)/libscf.so:= \
1258     REALPATH=../../../../lib/$(MACH64)/libscf.so.1
1259 $(ROOT)/usr/lib/$(MACH64)/libsec.so.1:= \
1260     REALPATH=../../../../lib/$(MACH64)/libsec.so.1
1261 $(ROOT)/usr/lib/$(MACH64)/libsec.so:= \
1262     REALPATH=../../../../lib/$(MACH64)/libsec.so.1
1263 $(ROOT)/usr/lib/$(MACH64)/libsecdb.so.1:= \
1264     REALPATH=../../../../lib/$(MACH64)/libsecdb.so.1
1265 $(ROOT)/usr/lib/$(MACH64)/libsecdb.so:= \
1266     REALPATH=../../../../lib/$(MACH64)/libsecdb.so.1
1267 $(ROOT)/usr/lib/$(MACH64)/libsendfile.so.1:= \
1268     REALPATH=../../../../lib/$(MACH64)/libsendfile.so.1
1269 $(ROOT)/usr/lib/$(MACH64)/libsendfile.so:= \
1270     REALPATH=../../../../lib/$(MACH64)/libsendfile.so.1
1271 $(ROOT)/usr/lib/$(MACH64)/libsocket.so.1:= \
1272     REALPATH=../../../../lib/$(MACH64)/libsocket.so.1
1273 $(ROOT)/usr/lib/$(MACH64)/libsocket.so:= \
1274     REALPATH=../../../../lib/$(MACH64)/libsocket.so.1
1275 $(ROOT)/usr/lib/$(MACH64)/libsysevent.so.1:= \
1276     REALPATH=../../../../lib/$(MACH64)/libsysevent.so.1
1277 $(ROOT)/usr/lib/$(MACH64)/libsysevent.so:= \
1278     REALPATH=../../../../lib/$(MACH64)/libsysevent.so.1
1279 $(ROOT)/usr/lib/$(MACH64)/libtermcap.so.1:= \
1280     REALPATH=../../../../lib/$(MACH64)/libtermcap.so.1
1281 $(ROOT)/usr/lib/$(MACH64)/libtermcap.so:= \
1282     REALPATH=../../../../lib/$(MACH64)/libtermcap.so.1
1283 $(ROOT)/usr/lib/$(MACH64)/libtermlib.so.1:= \
1284     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1285 $(ROOT)/usr/lib/$(MACH64)/libtermlib.so:= \
1286     REALPATH=../../../../lib/$(MACH64)/libcurses.so.1
1287 $(ROOT)/usr/lib/$(MACH64)/libthread.so.1:= \
1288     REALPATH=../../../../lib/$(MACH64)/libthread.so.1
1289 $(ROOT)/usr/lib/$(MACH64)/libthread.so:= \
1290     REALPATH=../../../../lib/$(MACH64)/libthread.so.1
1291 $(ROOT)/usr/lib/$(MACH64)/libthread_db.so.1:= \
1292     REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1293 $(ROOT)/usr/lib/$(MACH64)/libthread_db.so:= \
1294     REALPATH=../../../../lib/$(MACH64)/libc_db.so.1
1295 $(ROOT)/usr/lib/$(MACH64)/libtsnet.so.1:= \
1296     REALPATH=../../../../lib/$(MACH64)/libtsnet.so.1
1297 $(ROOT)/usr/lib/$(MACH64)/libtsnet.so:= \
1298     REALPATH=../../../../lib/$(MACH64)/libtsnet.so.1
1299 $(ROOT)/usr/lib/$(MACH64)/libtsol.so.2:= \
1300     REALPATH=../../../../lib/$(MACH64)/libtsol.so.2
1301 $(ROOT)/usr/lib/$(MACH64)/libtsol.so:= \
1302     REALPATH=../../../../lib/$(MACH64)/libtsol.so.2
1303 $(ROOT)/usr/lib/$(MACH64)/libumem.so.1:= \
1304     REALPATH=../../../../lib/$(MACH64)/libumem.so.1
1305 $(ROOT)/usr/lib/$(MACH64)/libumem.so:= \
1306     REALPATH=../../../../lib/$(MACH64)/libumem.so.1
1307 $(ROOT)/usr/lib/$(MACH64)/libuuid.so.1:= \
1308     REALPATH=../../../../lib/$(MACH64)/libuuid.so.1

```

```

1309 $(ROOT)/usr/lib/$(MACH64)/libuuid.so:= \
1310     REALPATH=../../../../lib/$(MACH64)/libuuid.so.1
1311 $(ROOT)/usr/lib/$(MACH64)/libuutil.so.1:= \
1312     REALPATH=../../../../lib/$(MACH64)/libuutil.so.1
1313 $(ROOT)/usr/lib/$(MACH64)/libuutil.so:= \
1314     REALPATH=../../../../lib/$(MACH64)/libuutil.so.1
1315 $(ROOT)/usr/lib/$(MACH64)/libw.so.1:= \
1316     REALPATH=../../../../lib/$(MACH64)/libw.so.1
1317 $(ROOT)/usr/lib/$(MACH64)/libw.so:= \
1318     REALPATH=../../../../lib/$(MACH64)/libw.so.1
1319 $(ROOT)/usr/lib/$(MACH64)/libxnet.so.1:= \
1320     REALPATH=../../../../lib/$(MACH64)/libxnet.so.1
1321 $(ROOT)/usr/lib/$(MACH64)/libxnet.so:= \
1322     REALPATH=../../../../lib/$(MACH64)/libxnet.so.1
1323 $(ROOT)/usr/lib/$(MACH64)/libzfs.so:= \
1324     REALPATH=../../../../lib/$(MACH64)/libzfs.so.1
1325 $(ROOT)/usr/lib/$(MACH64)/libzfs.so.1:= \
1326     REALPATH=../../../../lib/$(MACH64)/libzfs.so.1
1327 $(ROOT)/usr/lib/$(MACH64)/libzfs_core.so:= \
1328     REALPATH=../../../../lib/$(MACH64)/libzfs_core.so.1
1329 $(ROOT)/usr/lib/$(MACH64)/libzfs_core.so.1:= \
1330     REALPATH=../../../../lib/$(MACH64)/libzfs_core.so.1
1331 $(ROOT)/usr/lib/$(MACH64)/libfakekernel.so:= \
1332     REALPATH=../../../../lib/$(MACH64)/libfakekernel.so.1
1333 $(ROOT)/usr/lib/$(MACH64)/libfakekernel.so.1:= \
1334     REALPATH=../../../../lib/$(MACH64)/libfakekernel.so.1
1335 $(ROOT)/usr/lib/$(MACH64)/libfdisk.so.1:= \
1336     REALPATH=../../../../lib/$(MACH64)/libfdisk.so.1
1337 $(ROOT)/usr/lib/$(MACH64)/libfdisk.so:= \
1338     REALPATH=../../../../lib/$(MACH64)/libfdisk.so.1
1339 $(ROOT)/usr/lib/$(MACH64)/llib-ladm.ln:= \
1340     REALPATH=../../../../lib/$(MACH64)/llib-ladm.ln
1341 $(ROOT)/usr/lib/$(MACH64)/llib-laio.ln:= \
1342     REALPATH=../../../../lib/$(MACH64)/llib-laio.ln
1343 $(ROOT)/usr/lib/$(MACH64)/llib-lavl.ln:= \
1344     REALPATH=../../../../lib/$(MACH64)/llib-lavl.ln
1345 $(ROOT)/usr/lib/$(MACH64)/llib-lbsm.ln:= \
1346     REALPATH=../../../../lib/$(MACH64)/llib-lbsm.ln
1347 $(ROOT)/usr/lib/$(MACH64)/llib-lc.ln:= \
1348     REALPATH=../../../../lib/$(MACH64)/llib-lc.ln
1349 $(ROOT)/usr/lib/$(MACH64)/llib-lcmdutils.ln:= \
1350     REALPATH=../../../../lib/$(MACH64)/llib-lcmdutils.ln
1351 $(ROOT)/usr/lib/$(MACH64)/llib-lcontract.ln:= \
1352     REALPATH=../../../../lib/$(MACH64)/llib-lcontract.ln
1353 $(ROOT)/usr/lib/$(MACH64)/llib-lctf.ln:= \
1354     REALPATH=../../../../lib/$(MACH64)/llib-lctf.ln
1355 $(ROOT)/usr/lib/$(MACH64)/llib-lcurses.ln:= \
1356     REALPATH=../../../../lib/$(MACH64)/llib-lcurses.ln
1357 $(ROOT)/usr/lib/$(MACH64)/llib-ldevice.ln:= \
1358     REALPATH=../../../../lib/$(MACH64)/llib-ldevice.ln
1359 $(ROOT)/usr/lib/$(MACH64)/llib-ldevid.ln:= \
1360     REALPATH=../../../../lib/$(MACH64)/llib-ldevid.ln
1361 $(ROOT)/usr/lib/$(MACH64)/llib-ldevinfo.ln:= \
1362     REALPATH=../../../../lib/$(MACH64)/llib-ldevinfo.ln
1363 $(ROOT)/usr/lib/$(MACH64)/llib-ldhcputil.ln:= \
1364     REALPATH=../../../../lib/$(MACH64)/llib-ldhcputil.ln
1365 $(ROOT)/usr/lib/$(MACH64)/llib-ldl.ln:= \
1366     REALPATH=../../../../lib/$(MACH64)/llib-ldl.ln
1367 $(ROOT)/usr/lib/$(MACH64)/llib-ldoor.ln:= \
1368     REALPATH=../../../../lib/$(MACH64)/llib-ldoor.ln
1369 $(ROOT)/usr/lib/$(MACH64)/llib-lefi.ln:= \
1370     REALPATH=../../../../lib/$(MACH64)/llib-lefi.ln
1371 $(ROOT)/usr/lib/$(MACH64)/llib-lelf.ln:= \
1372     REALPATH=../../../../lib/$(MACH64)/llib-lelf.ln
1373 $(ROOT)/usr/lib/$(MACH64)/llib-lgen.ln:= \
1374     REALPATH=../../../../lib/$(MACH64)/llib-lgen.ln

```

```

1375 $(ROOT)/usr/lib/$(MACH64)/llib-linetutil.ln:= \
1376     REALPATH=../../../../lib/$(MACH64)/llib-linetutil.ln
1377 $(ROOT)/usr/lib/$(MACH64)/llib-lintl.ln:= \
1378     REALPATH=../../../../lib/$(MACH64)/llib-lintl.ln
1379 $(ROOT)/usr/lib/$(MACH64)/llib-lkstat.ln:= \
1380     REALPATH=../../../../lib/$(MACH64)/llib-lkstat.ln
1381 $(ROOT)/usr/lib/$(MACH64)/llib-lm.ln:= \
1382     REALPATH=../../../../lib/$(MACH64)/llib-lm.ln
1383 $(ROOT)/usr/lib/$(MACH64)/llib-lmd5.ln:= \
1384     REALPATH=../../../../lib/$(MACH64)/llib-lmd5.ln
1385 $(ROOT)/usr/lib/$(MACH64)/llib-lnsl.ln:= \
1386     REALPATH=../../../../lib/$(MACH64)/llib-lnsl.ln
1387 $(ROOT)/usr/lib/$(MACH64)/llib-lnvpair.ln:= \
1388     REALPATH=../../../../lib/$(MACH64)/llib-lnvpair.ln
1389 $(ROOT)/usr/lib/$(MACH64)/llib-lpam.ln:= \
1390     REALPATH=../../../../lib/$(MACH64)/llib-lpam.ln
1391 $(ROOT)/usr/lib/$(MACH64)/llib-lposix4.ln:= \
1392     REALPATH=../../../../lib/$(MACH64)/llib-lrt.ln
1393 $(ROOT)/usr/lib/$(MACH64)/llib-lpthread.ln:= \
1394     REALPATH=../../../../lib/$(MACH64)/llib-lpthread.ln
1395 $(ROOT)/usr/lib/$(MACH64)/llib-lresolv.ln:= \
1396     REALPATH=../../../../lib/$(MACH64)/llib-lresolv.ln
1397 $(ROOT)/usr/lib/$(MACH64)/llib-lrpcsvc.ln:= \
1398     REALPATH=../../../../lib/$(MACH64)/llib-lrpcsvc.ln
1399 $(ROOT)/usr/lib/$(MACH64)/llib-lrt.ln:= \
1400     REALPATH=../../../../lib/$(MACH64)/llib-lrt.ln
1401 $(ROOT)/usr/lib/$(MACH64)/llib-lrtld_db.ln:= \
1402     REALPATH=../../../../lib/$(MACH64)/llib-lrtld_db.ln
1403 $(ROOT)/usr/lib/$(MACH64)/llib-lscf.ln:= \
1404     REALPATH=../../../../lib/$(MACH64)/llib-lscf.ln
1405 $(ROOT)/usr/lib/$(MACH64)/llib-lsec.ln:= \
1406     REALPATH=../../../../lib/$(MACH64)/llib-lsec.ln
1407 $(ROOT)/usr/lib/$(MACH64)/llib-lsecdb.ln:= \
1408     REALPATH=../../../../lib/$(MACH64)/llib-lsecdb.ln
1409 $(ROOT)/usr/lib/$(MACH64)/llib-lsendfile.ln:= \
1410     REALPATH=../../../../lib/$(MACH64)/llib-lsendfile.ln
1411 $(ROOT)/usr/lib/$(MACH64)/llib-lsocket.ln:= \
1412     REALPATH=../../../../lib/$(MACH64)/llib-lsocket.ln
1413 $(ROOT)/usr/lib/$(MACH64)/llib-lsysevent.ln:= \
1414     REALPATH=../../../../lib/$(MACH64)/llib-lsysevent.ln
1415 $(ROOT)/usr/lib/$(MACH64)/llib-ltermcap.ln:= \
1416     REALPATH=../../../../lib/$(MACH64)/llib-ltermcap.ln
1417 $(ROOT)/usr/lib/$(MACH64)/llib-ltermliib.ln:= \
1418     REALPATH=../../../../lib/$(MACH64)/llib-lcurses.ln
1419 $(ROOT)/usr/lib/$(MACH64)/llib-lthread.ln:= \
1420     REALPATH=../../../../lib/$(MACH64)/llib-lthread.ln
1421 $(ROOT)/usr/lib/$(MACH64)/llib-lthread_db.ln:= \
1422     REALPATH=../../../../lib/$(MACH64)/llib-lc_db.ln
1423 $(ROOT)/usr/lib/$(MACH64)/llib-ltsnet.ln:= \
1424     REALPATH=../../../../lib/$(MACH64)/llib-ltsnet.ln
1425 $(ROOT)/usr/lib/$(MACH64)/llib-ltsol.ln:= \
1426     REALPATH=../../../../lib/$(MACH64)/llib-ltsol.ln
1427 $(ROOT)/usr/lib/$(MACH64)/llib-lumem.ln:= \
1428     REALPATH=../../../../lib/$(MACH64)/llib-lumem.ln
1429 $(ROOT)/usr/lib/$(MACH64)/llib-luuid.ln:= \
1430     REALPATH=../../../../lib/$(MACH64)/llib-luuid.ln
1431 $(ROOT)/usr/lib/$(MACH64)/llib-lxnet.ln:= \
1432     REALPATH=../../../../lib/$(MACH64)/llib-lxnet.ln
1433 $(ROOT)/usr/lib/$(MACH64)/llib-lzfs.ln:= \
1434     REALPATH=../../../../lib/$(MACH64)/llib-lzfs.ln
1435 $(ROOT)/usr/lib/$(MACH64)/llib-lzfs_core.ln:= \
1436     REALPATH=../../../../lib/$(MACH64)/llib-lzfs_core.ln
1437 $(ROOT)/usr/lib/$(MACH64)/llib-lfdisk.ln:= \
1438     REALPATH=../../../../lib/$(MACH64)/llib-lfdisk.ln
1439 $(ROOT)/usr/lib/$(MACH64)/nss_compat.so.1:= \
1440     REALPATH=../../../../lib/$(MACH64)/nss_compat.so.1

```

```

1441 $(ROOT)/usr/lib/$(MACH64)/nss_dns.so.1:= \
1442     REALPATH=../../../../lib/$(MACH64)/nss_dns.so.1
1443 $(ROOT)/usr/lib/$(MACH64)/nss_files.so.1:= \
1444     REALPATH=../../../../lib/$(MACH64)/nss_files.so.1
1445 $(ROOT)/usr/lib/$(MACH64)/nss_nis.so.1:= \
1446     REALPATH=../../../../lib/$(MACH64)/nss_nis.so.1
1447 $(ROOT)/usr/lib/$(MACH64)/nss_user.so.1:= \
1448     REALPATH=../../../../lib/$(MACH64)/nss_user.so.1
1449 $(ROOT)/usr/lib/fm/$(MACH64)/libfmevent.so.1:= \
1450     REALPATH=../../../../lib/fm/$(MACH64)/libfmevent.so.1
1451 $(ROOT)/usr/lib/fm/$(MACH64)/libfmevent.so:= \
1452     REALPATH=../../../../lib/fm/$(MACH64)/libfmevent.so.1
1453 $(ROOT)/usr/lib/fm/$(MACH64)/llib-lfmevent.ln:= \
1454     REALPATH=../../../../lib/fm/$(MACH64)/llib-lfmevent.ln

1456 i386_SYM.USRLIB= \
1457     /usr/lib/libfdisk.so \
1458     /usr/lib/libfdisk.so.1 \
1459     /usr/lib/llib-lfdisk \
1460     /usr/lib/llib-lfdisk.ln

1462 SYM.USRLIB= \
1463     $(MACH)_SYM.USRLIB \
1464     /lib/libposix4.so \
1465     /lib/libposix4.so.1 \
1466     /lib/llib-lposix4 \
1467     /lib/llib-lposix4.ln \
1468     /lib/libthread_db.so \
1469     /lib/libthread_db.so.1 \
1470     /usr/lib/ld.so.1 \
1471     /usr/lib/libadm.so \
1472     /usr/lib/libadm.so.1 \
1473     /usr/lib/libaio.so \
1474     /usr/lib/libaio.so.1 \
1475     /usr/lib/libavl.so \
1476     /usr/lib/libavl.so.1 \
1477     /usr/lib/libbsm.so \
1478     /usr/lib/libbsm.so.1 \
1479     /usr/lib/libc.so \
1480     /usr/lib/libc.so.1 \
1481     /usr/lib/libc_db.so \
1482     /usr/lib/libc_db.so.1 \
1483     /usr/lib/libcmdutils.so \
1484     /usr/lib/libcmdutils.so.1 \
1485     /usr/lib/libcontract.so \
1486     /usr/lib/libcontract.so.1 \
1487     /usr/lib/libctf.so \
1488     /usr/lib/libctf.so.1 \
1489     /usr/lib/libcurses.so \
1490     /usr/lib/libcurses.so.1 \
1491     /usr/lib/libdevice.so \
1492     /usr/lib/libdevice.so.1 \
1493     /usr/lib/libdevid.so \
1494     /usr/lib/libdevid.so.1 \
1495     /usr/lib/libdevinfo.so \
1496     /usr/lib/libdevinfo.so.1 \
1497     /usr/lib/libdhcpcagent.so \
1498     /usr/lib/libdhcpcagent.so.1 \
1499     /usr/lib/libdhcputil.so \
1500     /usr/lib/libdhcputil.so.1 \
1501     /usr/lib/libdl.so \
1502     /usr/lib/libdl.so.1 \
1503     /usr/lib/libdmpi.so \
1504     /usr/lib/libdmpi.so.1 \
1505     /usr/lib/libdoor.so \
1506     /usr/lib/libdoor.so.1

```

```

1507     /usr/lib/libefi.so \
1508     /usr/lib/libefi.so.1 \
1509     /usr/lib/libelf.so \
1510     /usr/lib/libelf.so.1 \
1511     /usr/lib/libfakekernel.so \
1512     /usr/lib/libfakekernel.so.1 \
1513     /usr/lib/libgen.so \
1514     /usr/lib/libgen.so.1 \
1515     /usr/lib/libinetutil.so \
1516     /usr/lib/libinetutil.so.1 \
1517     /usr/lib/libintl.so \
1518     /usr/lib/libintl.so.1 \
1519     /usr/lib/libkstat.so \
1520     /usr/lib/libkstat.so.1 \
1521     /usr/lib/liblddbg.so.4 \
1522     /usr/lib/libm.so.1 \
1523     /usr/lib/libm.so.2 \
1524     /usr/lib/libm.so \
1525     /usr/lib/libmd.so \
1526     /usr/lib/libmd.so.1 \
1527     /usr/lib/libmd5.so \
1528     /usr/lib/libmd5.so.1 \
1529     /usr/lib/libmp.so \
1530     /usr/lib/libmp.so.1 \
1531     /usr/lib/libmp.so.2 \
1532     /usr/lib/libmvec.so.1 \
1533     /usr/lib/libmvec.so \
1534     /usr/lib/libnsl.so \
1535     /usr/lib/libnsl.so.1 \
1536     /usr/lib/libnvpair.so \
1537     /usr/lib/libnvpair.so.1 \
1538     /usr/lib/libpam.so \
1539     /usr/lib/libpam.so.1 \
1540     /usr/lib/libposix4.so \
1541     /usr/lib/libposix4.so.1 \
1542     /usr/lib/libproc.so \
1543     /usr/lib/libproc.so.1 \
1544     /usr/lib/libpthread.so \
1545     /usr/lib/libpthread.so.1 \
1546     /usr/lib/librcm.so \
1547     /usr/lib/librcm.so.1 \
1548     /usr/lib/libresolv.so \
1549     /usr/lib/libresolv.so.1 \
1550     /usr/lib/libresolv.so.2 \
1551     /usr/lib/librestart.so \
1552     /usr/lib/librestart.so.1 \
1553     /usr/lib/librpcsvc.so \
1554     /usr/lib/librpcsvc.so.1 \
1555     /usr/lib/librt.so \
1556     /usr/lib/librt.so.1 \
1557     /usr/lib/librtld.so.1 \
1558     /usr/lib/librtld_db.so \
1559     /usr/lib/librtld_db.so.1 \
1560     /usr/lib/libscf.so \
1561     /usr/lib/libscf.so.1 \
1562     /usr/lib/libsec.so \
1563     /usr/lib/libsec.so.1 \
1564     /usr/lib/libsecdb.so \
1565     /usr/lib/libsecdb.so.1 \
1566     /usr/lib/libsendfile.so \
1567     /usr/lib/libsendfile.so.1 \
1568     /usr/lib/libsocket.so \
1569     /usr/lib/libsocket.so.1 \
1570     /usr/lib/libsysevent.so \
1571     /usr/lib/libsysevent.so.1 \
1572     /usr/lib/libtermcap.so \

```

```

1573 /usr/lib/libtermcap.so.1 \
1574 /usr/lib/libtermlib.so \
1575 /usr/lib/libtermplib.so.1 \
1576 /usr/lib/libthread.so \
1577 /usr/lib/libthread.so.1 \
1578 /usr/lib/libthread_db.so \
1579 /usr/lib/libthread_db.so.1 \
1580 /usr/lib/libtsnet.so \
1581 /usr/lib/libtsnet.so.1 \
1582 /usr/lib/libtsol.so \
1583 /usr/lib/libtsol.so.2 \
1584 /usr/lib/libumem.so \
1585 /usr/lib/libumem.so.1 \
1586 /usr/lib/libuuid.so \
1587 /usr/lib/libuuid.so.1 \
1588 /usr/lib/libuutil.so \
1589 /usr/lib/libuutil.so.1 \
1590 /usr/lib/libw.so \
1591 /usr/lib/libw.so.1 \
1592 /usr/lib/libxnet.so \
1593 /usr/lib/libxnet.so.1 \
1594 /usr/lib/libzfs.so \
1595 /usr/lib/libzfs.so.1 \
1596 /usr/lib/libzfs_core.so \
1597 /usr/lib/libzfs_core.so.1 \
1598 /usr/lib/lib-ladm \
1599 /usr/lib/lib-ladm.ln \
1600 /usr/lib/lib-laio \
1601 /usr/lib/lib-laio.ln \
1602 /usr/lib/lib-lavl \
1603 /usr/lib/lib-lavl.ln \
1604 /usr/lib/lib-lbsm \
1605 /usr/lib/lib-lbsm.ln \
1606 /usr/lib/lib-lc \
1607 /usr/lib/lib-lc.ln \
1608 /usr/lib/lib-lcmdutils \
1609 /usr/lib/lib-lcmdutils.ln \
1610 /usr/lib/lib-lcontract \
1611 /usr/lib/lib-lcontract.ln \
1612 /usr/lib/lib-lctf \
1613 /usr/lib/lib-lctf.ln \
1614 /usr/lib/lib-lcurses \
1615 /usr/lib/lib-lcurses.ln \
1616 /usr/lib/lib-ldevice \
1617 /usr/lib/lib-ldevice.ln \
1618 /usr/lib/lib-ldevid \
1619 /usr/lib/lib-ldevid.ln \
1620 /usr/lib/lib-ldevinfo \
1621 /usr/lib/lib-ldevinfo.ln \
1622 /usr/lib/lib-ldhcparent \
1623 /usr/lib/lib-ldhcparent.ln \
1624 /usr/lib/lib-ldhcputil \
1625 /usr/lib/lib-ldhcputil.ln \
1626 /usr/lib/lib-ldl \
1627 /usr/lib/lib-ldl.ln \
1628 /usr/lib/lib-ldoor \
1629 /usr/lib/lib-ldoor.ln \
1630 /usr/lib/lib-lefi \
1631 /usr/lib/lib-lefi.ln \
1632 /usr/lib/lib-lelf \
1633 /usr/lib/lib-lelf.ln \
1634 /usr/lib/lib-lgen \
1635 /usr/lib/lib-lgen.ln \
1636 /usr/lib/lib-linetutil \
1637 /usr/lib/lib-linetutil.ln \
1638 /usr/lib/lib-lintl \

```

```

1639 /usr/lib/lib-lintl.ln \
1640 /usr/lib/lib-lkstat \
1641 /usr/lib/lib-lkstat.ln \
1642 /usr/lib/lib-lm \
1643 /usr/lib/lib-lm.ln \
1644 /usr/lib/lib-lmd5 \
1645 /usr/lib/lib-lmd5.ln \
1646 /usr/lib/lib-lns1 \
1647 /usr/lib/lib-lns1.ln \
1648 /usr/lib/lib-lnvpair \
1649 /usr/lib/lib-lnvpair.ln \
1650 /usr/lib/lib-lpam \
1651 /usr/lib/lib-lpam.ln \
1652 /usr/lib/lib-lposix4 \
1653 /usr/lib/lib-lposix4.ln \
1654 /usr/lib/lib-lpthread \
1655 /usr/lib/lib-lpthread.ln \
1656 /usr/lib/lib-lresolv \
1657 /usr/lib/lib-lresolv.ln \
1658 /usr/lib/lib-lrpcsvc \
1659 /usr/lib/lib-lrpcsvc.ln \
1660 /usr/lib/lib-lrt \
1661 /usr/lib/lib-lrt.ln \
1662 /usr/lib/lib-lrtld_db \
1663 /usr/lib/lib-lrtld_db.ln \
1664 /usr/lib/lib-lscf \
1665 /usr/lib/lib-lscf.ln \
1666 /usr/lib/lib-lsec \
1667 /usr/lib/lib-lsec.ln \
1668 /usr/lib/lib-lsecdb \
1669 /usr/lib/lib-lsecdb.ln \
1670 /usr/lib/lib-lsendfile \
1671 /usr/lib/lib-lsendfile.ln \
1672 /usr/lib/lib-lsocket \
1673 /usr/lib/lib-lsocket.ln \
1674 /usr/lib/lib-lsysevent \
1675 /usr/lib/lib-lsysevent.ln \
1676 /usr/lib/lib-ltermcap \
1677 /usr/lib/lib-ltermcap.ln \
1678 /usr/lib/lib-ltermlib \
1679 /usr/lib/lib-ltermlib.ln \
1680 /usr/lib/lib-lthread \
1681 /usr/lib/lib-lthread.ln \
1682 /usr/lib/lib-lthread_db \
1683 /usr/lib/lib-lthread_db.ln \
1684 /usr/lib/lib-ltsnet \
1685 /usr/lib/lib-ltsnet.ln \
1686 /usr/lib/lib-ltsol \
1687 /usr/lib/lib-ltsol.ln \
1688 /usr/lib/lib-lumem \
1689 /usr/lib/lib-lumem.ln \
1690 /usr/lib/lib-luuid \
1691 /usr/lib/lib-luuid.ln \
1692 /usr/lib/lib-lxnet \
1693 /usr/lib/lib-lxnet.ln \
1694 /usr/lib/lib-lzfs \
1695 /usr/lib/lib-lzfs.ln \
1696 /usr/lib/lib-lzfs_core \
1697 /usr/lib/lib-lzfs_core.ln \
1698 /usr/lib/nss_compat.so.1 \
1699 /usr/lib/nss_dns.so.1 \
1700 /usr/lib/nss_files.so.1 \
1701 /usr/lib/nss_nis.so.1 \
1702 /usr/lib/nss_user.so.1 \
1703 /usr/lib/fm/libfmevent.so \
1704 /usr/lib/fm/libfmevent.so.1 \

```

new/usr/src/Targetdirs

1705 /usr/lib/fm/llib-lfmevent \
 1706 /usr/lib/fm/llib-lfmevent.ln

1708 sparvcv9_SYM.USRLIB64=

1710 amd64_SYM.USRLIB64= \
 1711 /usr/lib/amd64/libfdisk.so \
 1712 /usr/lib/amd64/libfdisk.so.1 \
 1713 /usr/lib/amd64/llib-lfdisk.ln

1716 SYM.USRLIB64= \
 1717 \$(MACH64)_SYM.USRLIB64) \
 1718 /lib/(MACH64)/libposix4.so \
 1719 /lib/(MACH64)/libposix4.so.1 \
 1720 /lib/(MACH64)/llib-lposix4.ln \
 1721 /lib/(MACH64)/libthread_db.so \
 1722 /lib/(MACH64)/libthread_db.so.1 \
 1723 /usr/lib/(MACH64)/ld.so.1 \
 1724 /usr/lib/(MACH64)/libadm.so \
 1725 /usr/lib/(MACH64)/libadm.so.1 \
 1726 /usr/lib/(MACH64)/libaio.so \
 1727 /usr/lib/(MACH64)/libaio.so.1 \
 1728 /usr/lib/(MACH64)/libavl.so \
 1729 /usr/lib/(MACH64)/libavl.so.1 \
 1730 /usr/lib/(MACH64)/libbsm.so \
 1731 /usr/lib/(MACH64)/libbsm.so.1 \
 1732 /usr/lib/(MACH64)/libc.so \
 1733 /usr/lib/(MACH64)/libc.so.1 \
 1734 /usr/lib/(MACH64)/libc_db.so \
 1735 /usr/lib/(MACH64)/libc_db.so.1 \
 1736 /usr/lib/(MACH64)/libcmdutils.so \
 1737 /usr/lib/(MACH64)/libcmdutils.so.1 \
 1738 /usr/lib/(MACH64)/libcontract.so \
 1739 /usr/lib/(MACH64)/libcontract.so.1 \
 1740 /usr/lib/(MACH64)/libctf.so \
 1741 /usr/lib/(MACH64)/libctf.so.1 \
 1742 /usr/lib/(MACH64)/libcurses.so \
 1743 /usr/lib/(MACH64)/libcurses.so.1 \
 1744 /usr/lib/(MACH64)/libdevice.so \
 1745 /usr/lib/(MACH64)/libdevice.so.1 \
 1746 /usr/lib/(MACH64)/libdevvid.so \
 1747 /usr/lib/(MACH64)/libdevvid.so.1 \
 1748 /usr/lib/(MACH64)/libdevinfo.so \
 1749 /usr/lib/(MACH64)/libdevinfo.so.1 \
 1750 /usr/lib/(MACH64)/libdhcputil.so \
 1751 /usr/lib/(MACH64)/libdhcputil.so.1 \
 1752 /usr/lib/(MACH64)/libdl.so \
 1753 /usr/lib/(MACH64)/libdl.so.1 \
 1754 /usr/lib/(MACH64)/libdmpi.so \
 1755 /usr/lib/(MACH64)/libdmpi.so.1 \
 1756 /usr/lib/(MACH64)/libdoor.so \
 1757 /usr/lib/(MACH64)/libdoor.so.1 \
 1758 /usr/lib/(MACH64)/libefi.so \
 1759 /usr/lib/(MACH64)/libefi.so.1 \
 1760 /usr/lib/(MACH64)/libelf.so \
 1761 /usr/lib/(MACH64)/libelf.so.1 \
 1762 /usr/lib/(MACH64)/libfakekernel.so \
 1763 /usr/lib/(MACH64)/libfakekernel.so.1 \
 1764 /usr/lib/(MACH64)/libgen.so \
 1765 /usr/lib/(MACH64)/libgen.so.1 \
 1766 /usr/lib/(MACH64)/libinetutil.so \
 1767 /usr/lib/(MACH64)/libinetutil.so.1 \
 1768 /usr/lib/(MACH64)/libintl.so \
 1769 /usr/lib/(MACH64)/libintl.so.1 \
 1770 /usr/lib/(MACH64)/libkstat.so

27

new/usr/src/Targetdirs

1771 /usr/lib/(MACH64)/libkstat.so.1 \
 1772 /usr/lib/(MACH64)/liblddb.so.4 \
 1773 /usr/lib/(MACH64)/libm.so.1 \
 1774 /usr/lib/(MACH64)/libm.so.2 \
 1775 /usr/lib/(MACH64)/libm.so \
 1776 /usr/lib/(MACH64)/libmd.so \
 1777 /usr/lib/(MACH64)/libmd.so.1 \
 1778 /usr/lib/(MACH64)/libmd5.so \
 1779 /usr/lib/(MACH64)/libmd5.so.1 \
 1780 /usr/lib/(MACH64)/libmp.so \
 1781 /usr/lib/(MACH64)/libmp.so.2 \
 1782 /usr/lib/(MACH64)/libmvec.so.1 \
 1783 /usr/lib/(MACH64)/libmvec.so \
 1784 /usr/lib/(MACH64)/libnsl.so \
 1785 /usr/lib/(MACH64)/libnsl.so.1 \
 1786 /usr/lib/(MACH64)/libnvpair.so \
 1787 /usr/lib/(MACH64)/libnvpair.so.1 \
 1788 /usr/lib/(MACH64)/libpam.so \
 1789 /usr/lib/(MACH64)/libpam.so.1 \
 1790 /usr/lib/(MACH64)/libposix4.so \
 1791 /usr/lib/(MACH64)/libposix4.so.1 \
 1792 /usr/lib/(MACH64)/libproc.so \
 1793 /usr/lib/(MACH64)/libproc.so.1 \
 1794 /usr/lib/(MACH64)/libpthread.so \
 1795 /usr/lib/(MACH64)/libpthread.so.1 \
 1796 /usr/lib/(MACH64)/librcm.so \
 1797 /usr/lib/(MACH64)/librcm.so.1 \
 1798 /usr/lib/(MACH64)/libresolv.so \
 1799 /usr/lib/(MACH64)/libresolv.so.2 \
 1800 /usr/lib/(MACH64)/librestart.so \
 1801 /usr/lib/(MACH64)/librestart.so.1 \
 1802 /usr/lib/(MACH64)/librpcsvc.so \
 1803 /usr/lib/(MACH64)/librpcsvc.so.1 \
 1804 /usr/lib/(MACH64)/librt.so \
 1805 /usr/lib/(MACH64)/librt.so.1 \
 1806 /usr/lib/(MACH64)/librtld.so.1 \
 1807 /usr/lib/(MACH64)/librtld_db.so \
 1808 /usr/lib/(MACH64)/librtld_db.so.1 \
 1809 /usr/lib/(MACH64)/libscf.so \
 1810 /usr/lib/(MACH64)/libscf.so.1 \
 1811 /usr/lib/(MACH64)/libsec.so \
 1812 /usr/lib/(MACH64)/libsec.so.1 \
 1813 /usr/lib/(MACH64)/libsecdb.so \
 1814 /usr/lib/(MACH64)/libsecdb.so.1 \
 1815 /usr/lib/(MACH64)/libsendfile.so \
 1816 /usr/lib/(MACH64)/libsendfile.so.1 \
 1817 /usr/lib/(MACH64)/libsocket.so \
 1818 /usr/lib/(MACH64)/libsocket.so.1 \
 1819 /usr/lib/(MACH64)/libsysevent.so \
 1820 /usr/lib/(MACH64)/libsysevent.so.1 \
 1821 /usr/lib/(MACH64)/libtermcap.so \
 1822 /usr/lib/(MACH64)/libtermcap.so.1 \
 1823 /usr/lib/(MACH64)/libtermmlib.so \
 1824 /usr/lib/(MACH64)/libtermmlib.so.1 \
 1825 /usr/lib/(MACH64)/libthread.so \
 1826 /usr/lib/(MACH64)/libthread.so.1 \
 1827 /usr/lib/(MACH64)/libthread_db.so \
 1828 /usr/lib/(MACH64)/libthread_db.so.1 \
 1829 /usr/lib/(MACH64)/libtsnet.so \
 1830 /usr/lib/(MACH64)/libtsnet.so.1 \
 1831 /usr/lib/(MACH64)/libtsol.so \
 1832 /usr/lib/(MACH64)/libtsol.so.2 \
 1833 /usr/lib/(MACH64)/libumem.so \
 1834 /usr/lib/(MACH64)/libumem.so.1 \
 1835 /usr/lib/(MACH64)/libuuid.so \
 1836 /usr/lib/(MACH64)/libuuid.so.1

28

```

1837 /usr/lib/$(MACH64)/libutil.so \
1838 /usr/lib/$(MACH64)/libutil.so.1 \
1839 /usr/lib/$(MACH64)/libw.so \
1840 /usr/lib/$(MACH64)/libw.so.1 \
1841 /usr/lib/$(MACH64)/libxnet.so \
1842 /usr/lib/$(MACH64)/libxnet.so.1 \
1843 /usr/lib/$(MACH64)/libzfs.so \
1844 /usr/lib/$(MACH64)/libzfs.so.1 \
1845 /usr/lib/$(MACH64)/libzfs_core.so \
1846 /usr/lib/$(MACH64)/libzfs_core.so.1 \
1847 /usr/lib/$(MACH64)/llib-ladm.ln \
1848 /usr/lib/$(MACH64)/llib-laio.ln \
1849 /usr/lib/$(MACH64)/llib-lavl.ln \
1850 /usr/lib/$(MACH64)/llib-lbsm.ln \
1851 /usr/lib/$(MACH64)/llib-lc.ln \
1852 /usr/lib/$(MACH64)/llib-lcmdutils.ln \
1853 /usr/lib/$(MACH64)/llib-lcontract.ln \
1854 /usr/lib/$(MACH64)/llib-lctf.ln \
1855 /usr/lib/$(MACH64)/llib-lcurses.ln \
1856 /usr/lib/$(MACH64)/llib-ldevice.ln \
1857 /usr/lib/$(MACH64)/llib-ldevvid.ln \
1858 /usr/lib/$(MACH64)/llib-ldevinfo.ln \
1859 /usr/lib/$(MACH64)/llib-ldhcputil.ln \
1860 /usr/lib/$(MACH64)/llib-ldl.ln \
1861 /usr/lib/$(MACH64)/llib-ldoor.ln \
1862 /usr/lib/$(MACH64)/llib-lefi.ln \
1863 /usr/lib/$(MACH64)/llib-lelf.ln \
1864 /usr/lib/$(MACH64)/llib-lgen.ln \
1865 /usr/lib/$(MACH64)/llib-linetutil.ln \
1866 /usr/lib/$(MACH64)/llib-lintl.ln \
1867 /usr/lib/$(MACH64)/llib-lkstat.ln \
1868 /usr/lib/$(MACH64)/llib-lm.ln \
1869 /usr/lib/$(MACH64)/llib-lmd5.ln \
1870 /usr/lib/$(MACH64)/llib-lnsl.ln \
1871 /usr/lib/$(MACH64)/llib-lnvpair.ln \
1872 /usr/lib/$(MACH64)/llib-lpam.ln \
1873 /usr/lib/$(MACH64)/llib-lposix4.ln \
1874 /usr/lib/$(MACH64)/llib-lpthread.ln \
1875 /usr/lib/$(MACH64)/llib-lresolv.ln \
1876 /usr/lib/$(MACH64)/llib-lrpcsvc.ln \
1877 /usr/lib/$(MACH64)/llib-lrt.ln \
1878 /usr/lib/$(MACH64)/llib-lrtld_db.ln \
1879 /usr/lib/$(MACH64)/llib-lscf.ln \
1880 /usr/lib/$(MACH64)/llib-lsec.ln \
1881 /usr/lib/$(MACH64)/llib-lsecdb.ln \
1882 /usr/lib/$(MACH64)/llib-lsendfile.ln \
1883 /usr/lib/$(MACH64)/llib-lsocket.ln \
1884 /usr/lib/$(MACH64)/llib-lsysevent.ln \
1885 /usr/lib/$(MACH64)/llib-ltermcap.ln \
1886 /usr/lib/$(MACH64)/llib-ltermplib.ln \
1887 /usr/lib/$(MACH64)/llib-lthread.ln \
1888 /usr/lib/$(MACH64)/llib-lthread_db.ln \
1889 /usr/lib/$(MACH64)/llib-ltsnet.ln \
1890 /usr/lib/$(MACH64)/llib-ltsol.ln \
1891 /usr/lib/$(MACH64)/llib-lumem.ln \
1892 /usr/lib/$(MACH64)/llib-luuid.ln \
1893 /usr/lib/$(MACH64)/llib-lxnet.ln \
1894 /usr/lib/$(MACH64)/llib-lzfs.ln \
1895 /usr/lib/$(MACH64)/llib-lzfs_core.ln \
1896 /usr/lib/$(MACH64)/nss_compat.so.1 \
1897 /usr/lib/$(MACH64)/nss_dns.so.1 \
1898 /usr/lib/$(MACH64)/nss_files.so.1 \
1899 /usr/lib/$(MACH64)/nss_nis.so.1 \
1900 /usr/lib/$(MACH64)/nss_user.so.1 \
1901 /usr/lib/fm/$(MACH64)/libfmevent.so \
1902 /usr/lib/fm/$(MACH64)/libfmevent.so.1 \

```

```

1903 /usr/lib/fm/$(MACH64)/llib-lfmevent.ln
1905 #
1906 # usr/src/Makefile uses INS.dir for any member of ROOTDIRS, the fact
1907 # these are symlinks to files has no bearing on this.
1908 #
1909 $(FILELINKS:%=$(ROOT)%):= \
1910 INS.dir= -$(RM) @$; $(SYMLINK) $(REALPATH) @$

```

new/usr/src/cmd/boot/bootadm/bootadm.c

1

```
*****
250763 Sun Dec 23 06:46:54 2018
new/usr/src/cmd/boot/bootadm/bootadm.c
9696 add /etc/system.d support
Reviewed by: Dan Fields <dan.fields@nexenta.com>
Reviewed by: Roman Strashkin <roman.strashkin@nexenta.com>
Reviewed by: Cynthia Eastham <cynthia.eastham@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Peter Tribble <peter.tribble@gmail.com>
Reviewed by: Andy Fiddaman <andy@omniosce.org>
*****
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 */

22 /*
23 * Copyright (c) 2005, 2010, Oracle and/or its affiliates. All rights reserved.
24 * Copyright 2012 Milan Jurik. All rights reserved.
25 * Copyright (c) 2015 by Delphix. All rights reserved.
26 * Copyright 2016 Toomas Soome <tsoome@me.com>
27 * Copyright 2017 Nexenta Systems, Inc.
28 * Copyright 2016 Nexenta Systems, Inc.
29 * Copyright 2018 OmniOS Community Edition (OmniOSce) Association.
30 */

31 /*
32 * bootadm(1M) is a new utility for managing bootability of
33 * Solaris *Newboot* environments. It has two primary tasks:
34 * - Allow end users to manage bootability of Newboot Solaris instances
35 * - Provide services to other subsystems in Solaris (primarily Install)
36 */

38 /* Headers */
39 #include <stdio.h>
40 #include <errno.h>
41 #include <stdlib.h>
42 #include <string.h>
43 #include <unistd.h>
44 #include <sys/types.h>
45 #include <sys/stat.h>
46 #include <alloca.h>
47 #include <stdarg.h>
48 #include <limits.h>
49 #include <signal.h>
50 #include <sys/wait.h>
51 #include <sys/mnttab.h>
52 #include <sys/mnttab.h>
53 #include <sys/statvfs.h>
54 #include <libnvpair.h>
```

new/usr/src/cmd/boot/bootadm/bootadm.c

2

```
55 #include <ftw.h>
56 #include <fcntl.h>
57 #include <strings.h>
58 #include <utime.h>
59 #include <sys/systeminfo.h>
60 #include <sys/dktp/fdisk.h>
61 #include <sys/param.h>
62 #include <dirent.h>
63 #include <ctype.h>
64 #include <libgen.h>
65 #include <sys/sysmacros.h>
66 #include <sys/elf.h>
67 #include <libscf.h>
68 #include <zlib.h>
69 #include <sys/lockfs.h>
70 #include <sys/filio.h>
71 #include <libbe.h>
72 #include <deflt.h>
73 #ifdef i386
74 #include <libfdisk.h>
75 #endif

77 #if !defined(_OBP)
78 #include <sys/ucode.h>
79 #endif

81 #include <pwd.h>
82 #include <grp.h>
83 #include <device_info.h>
84 #include <sys/vtoc.h>
85 #include <sys/efi_partition.h>
86 #include <regex.h>
87 #include <locale.h>
88 #include <sys/mkdev.h>

90 #include "bootadm.h"

92 #ifndef TEXT_DOMAIN
93 #define TEXT_DOMAIN "SUNW_OST_OSCMD"
94 #endif /* TEXT_DOMAIN */

96 /* Type definitions */

98 /* Primary subcmds */
99 typedef enum {
100     BAM_MENU = 3,
101     BAM_ARCHIVE,
102     BAM_INSTALL
103 } subcmd_t;

105 #define LINE_INIT 0 /* lineNumber initial value */
106 #define ENTRY_INIT -1 /* entryNum initial value */
107 #define ALL_ENTRIES -2 /* selects all boot entries */

109 #define PARTNO_NOTFOUND -1 /* Solaris partition not found */
110 #define PARTNO_EFI -2 /* EFI partition table found */

112 #define GRUB_DIR "/boot/grub"
113 #define GRUB_STAGE2 GRUB_DIR "/stage2"
114 #define GRUB_MENU "/boot/grub/menu.lst"
115 #define MENU_TMP "/boot/grub/menu.lst.tmp"
116 #define GRUB_BACKUP_MENU "/etc/lu/GRUB_backup_menu"
117 #define RAMDISK_SPECIAL "/devices/ramdisk"
118 #define STUBBOOT "/stubboot"
119 #define MULTIBOOT "/platform/i86pc/multiboot"
120 #define GRUBSIGN_DIR "/boot/grub/bootsign"
```



```

121 #define GRUBSIGN_BACKUP      "/etc/bootsign"
122 #define GRUBSIGN_UFS_PREFIX  "rootfs"
123 #define GRUBSIGN_ZFS_PREFIX  "pool_"
124 #define GRUBSIGN_LU_PREFIX   "BE_"
125 #define UFS_SIGNATURE_LIST    "/var/run/grub_ufs_signatures"
126 #define ZFS_LEGACY_MNTP      "/tmp/bootadm_mnt_zfs_legacy"

128 /* SMF */
129 #define BOOT_ARCHIVE_FMRI     "system/boot-archive:default"
130 #define SCF_PG_CONFIG         "config"
131 #define SCF_PROPERTY_FORMAT   "format"

133 /* BE defaults */
134 #define BE_DEFAULTS           "/etc/default/be"
135 #define BE_DFLT_BE_HAS_GRUB   "BE_HAS_GRUB="

137 #define BOOTADM_RDONLY_TEST  "BOOTADM_RDONLY_TEST"

139 /* lock related */
140 #define BAM_LOCK_FILE         "/var/run/bootadm.lock"
141 #define LOCK_FILE_PERMS       (S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH)

143 #define CREATE_RAMDISK        "boot/solaris/bin/create_ramdisk"
144 #define CREATE_DISKMAP        "boot/solaris/bin/create_diskmap"
145 #define EXTRACT_BOOT_FILELIST "boot/solaris/bin/extract_boot_filelist"
146 #define GRUBDISK_MAP          "/var/run/solaris_grubdisk.map"

148 #define GRUB_slice            "/etc/lu/GRUB_slice"
149 #define GRUB_root             "/etc/lu/GRUB_root"
150 #define GRUB_fdisk            "/etc/lu/GRUB_fdisk"
151 #define GRUB_fdisk_target     "/etc/lu/GRUB_fdisk_target"
152 #define FINDROOT_INSTALLGRUB "/etc/lu/installgrub.findroot"
153 #define LULIB                 "/usr/lib/lu/lulib"
154 #define LULIB_PROPAGATE_FILE  "lulib_propagate_file"
155 #define CKSUM                 "/usr/bin/cksum"
156 #define LU_MENU_CKSUM         "/etc/lu/menu.cksum"
157 #define BOOTADM               "/sbin/bootadm"

159 #define INSTALLGRUB           "/sbin/installgrub"
160 #define STAGE1                 "/boot/grub/stage1"
161 #define STAGE2                 "/boot/grub/stage2"

163 #define ETC_SYSTEM_DIR        "etc/system.d"
164 #define SELF_ASSEMBLY        "etc/system.d/.self-assembly"

166 /*
167 * Default file attributes
168 */
169 #define DEFAULT_DEV_MODE      0644 /* default permissions */
170 #define DEFAULT_DEV_UID       0 /* user root */
171 #define DEFAULT_DEV_GID       3 /* group sys */

173 /*
174 * Menu related
175 * menu_cmd_t and menu_cmds must be kept in sync
176 */
177 char *menu_cmds[] = {
178     "default", /* DEFAULT_CMD */
179     "timeout", /* TIMEOUT_CMD */
180     "title", /* TITLE_CMD */
181     "root", /* ROOT_CMD */
182     "kernel", /* KERNEL_CMD */
183     "kernel$", /* KERNEL_DOLLAR_CMD */
184     "module", /* MODULE_CMD */
185     "module$", /* MODULE_DOLLAR_CMD */
186     " ", /* SEP_CMD */

```

```

187     "#", /* COMMENT_CMD */
188     "chainloader", /* CHAINLOADER_CMD */
189     "args", /* ARGS_CMD */
190     "findroot", /* FINDROOT_CMD */
191     "bootfs", /* BOOTFS_CMD */
192     NULL
193 };
    unchanged_portion_omitted

216 #define BOOT_FILE_LIST      "boot/solaris/filelist.ramdisk"
217 #define ETC_FILE_LIST       "etc/boot/solaris/filelist.ramdisk"

219 #define FILE_STAT           "boot/solaris/filestat.ramdisk"
220 #define FILE_STAT_TMP       "boot/solaris/filestat.ramdisk.tmp"
221 #define DIR_PERMS           (S_IRWXU|S_IRGRP|S_IXGRP|S_IROTH|S_IXOTH)
222 #define FILE_STAT_MODE      (S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH)

224 #define FILE_STAT_TIMESTAMP "boot/solaris/timestamp.cache"

226 /* Globals */
227 int bam_verbos;
228 int bam_force;
229 int bam_debug;
230 int bam_skip_lock;
231 static char *prog;
232 static subcmd_t bam_cmd;
233 char *bam_root;
234 int bam_rootlen;
235 static int bam_root_readonly;
236 int bam_alt_root;
237 static int bam_extend = 0;
238 static int bam_purge = 0;
239 static char *bam_subcmd;
240 static char *bam_opt;
241 static char **bam_argv;
242 static char *bam_pool;
243 static int bam_argc;
244 static int bam_check;
245 static int bam_saved_check;
246 static int bam_smf_check;
247 static int bam_lock_fd = -1;
248 static int bam_zfs;
249 static int bam_mbr;
250 char rootbuf[PATH_MAX] = "/";
251 static char self_assembly[PATH_MAX];
252 static int bam_update_all;
253 static int bam_alt_platform;
254 static char *bam_platform;
255 static char *bam_home_env = NULL;

257 /* function prototypes */
258 void parse_args_internal(int, char *[]);
259 void parse_args(int, char *argv[]);
260 error_t bam_menu(char *, char *, int, char *[]);
261 error_t bam_install(char *, char *);
262 error_t bam_archive(char *, char *);

264 void bam_lock(void);
265 void bam_unlock(void);

267 int exec_cmd(char *, filelist_t *);
268 error_t read_globals(menu_t *, char *, char *, int);
269 static int menu_on_bootdisk(char *os_root, char *menu_root);
270 menu_t *menu_read(char *);
271 error_t menu_write(char *, menu_t *);
272 void linelist_free(line_t *);

```

```

273 static void menu_free(menu_t *);
274 static void filelist_free(filelist_t *);
275 static error_t list2file(char *, char *, char *, line_t *);
276 static error_t list_entry(menu_t *, char *, char *);
277 static error_t list_setting(menu_t *, char *, char *);
278 static error_t delete_all_entries(menu_t *, char *, char *);
279 static error_t update_entry(menu_t *mp, char *menu_root, char *opt);
280 static error_t update_temp(menu_t *mp, char *dummy, char *opt);

282 static error_t install_bootloader(void);
283 static error_t update_archive(char *, char *);
284 static error_t list_archive(char *, char *);
285 static error_t update_all(char *, char *);
286 static error_t read_list(char *, filelist_t *);
287 static error_t set_option(menu_t *, char *, char *);
288 static error_t set_kernel(menu_t *, menu_cmd_t, char *, char *, size_t);
289 static error_t get_kernel(menu_t *, menu_cmd_t, char *, size_t);
290 static error_t build_etc_system_dir(char *);
291 static char *expand_path(const char *);

293 static long s_strtol(char *);
294 static int s_fputs(char *, FILE *);

296 static int is_amd64(void);
297 static char *get_machine(void);
298 static void append_to_flist(filelist_t *, char *);
299 static int ufs_add_to_sign_list(char *sign);
300 static error_t synchronize_BE_menu(void);

302 #if !defined(_OBP)
303 static void ucode_install();
304 #endif

306 /* Menu related sub commands */
307 static subcmd_defn_t menu_subcmds[] = {
308     "set_option",          OPT_ABSENT,    set_option, 0, /* PUB */
309     "list_entry",         OPT_OPTIONAL, list_entry, 1, /* PUB */
310     "delete_all_entries", OPT_ABSENT,    delete_all_entries, 0, /* PVT */
311     "update_entry",       OPT_REQ,       update_entry, 0, /* menu */
312     "update_temp",        OPT_OPTIONAL,  update_temp, 0, /* reboot */
313     "upgrade",            OPT_ABSENT,    upgrade_menu, 0, /* menu */
314     "list_setting",       OPT_OPTIONAL,  list_setting, 1, /* menu */
315     "disable_hypervisor", OPT_ABSENT,    cvt_to_metal, 0, /* menu */
316     "enable_hypervisor", OPT_ABSENT,    cvt_to_hyper, 0, /* menu */
317     NULL,                 0,            NULL, 0 /* must be last */
318 };

```

unchanged portion omitted

```

2282 /*ARGSUSED*/
2283 static int
2284 cmpstat(
2285     const char *file,
2286     const struct stat *st,
2287     int flags,
2288     struct FTW *ftw)
2289 {
2290     uint_t      sz;
2291     uint64_t    *value;
2292     uint64_t    filestat[2];
2293     int         error, ret, status;

2295     struct safe_file *safe_filep;
2296     FILE          *fp;
2297     struct stat    sb;
2298     regex_t re;

```

```

2300 /*
2301  * On SPARC we create/update links too.
2302  */
2303 if (flags != FTW_F && flags != FTW_D && (flags == FTW_SL &&
2304     !is_flag_on(IS_SPARC_TARGET)))
2305     return (0);

2307 /*
2308  * Ignore broken links
2309  */
2310 if (flags == FTW_SL && stat(file, &sb) < 0)
2311     return (0);

2313 /*
2314  * new_nvlp may be NULL if there were errors earlier
2315  * but this is not fatal to update determination.
2316  */
2317 if (walk_arg.new_nvlp) {
2318     filestat[0] = st->st_size;
2319     filestat[1] = st->st_mtime;
2320     error = nvlist_add_uint64_array(walk_arg.new_nvlp,
2321         file + bam_rootlen, filestat, 2);
2322     if (error)
2323         bam_error(_("failed to update stat data for: %s: %s\n"),
2324             file, strerror(error));
2325 }

2327 /*
2328  * If we are invoked as part of system/filesystem/boot-archive, then
2329  * there are a number of things we should not worry about
2330  */
2331 if (bam_smf_check) {
2332     /* ignore amd64 modules unless we are booted amd64. */
2333     if (!is_amd64() && strstr(file, "/amd64/") != 0)
2334         return (0);

2336     /* read in list of safe files */
2337     if (safe_files == NULL) {
2338         fp = fopen("/boot/solaris/filelist.safe", "r");
2339         if (fp != NULL) {
2340             safe_files = s_calloc(1,
2341                 sizeof (struct safe_file));
2342             safe_filep = safe_files;
2343             safe_filep->name = s_calloc(1, MAXPATHLEN +
2344                 MAXNAMELEN);
2345             safe_filep->next = NULL;
2346             while (s_fgets(safe_filep->name, MAXPATHLEN +
2347                 MAXNAMELEN, fp) != NULL) {
2348                 safe_filep->next = s_calloc(1,
2349                     sizeof (struct safe_file));
2350                 safe_filep = safe_filep->next;
2351                 safe_filep->name = s_calloc(1,
2352                     MAXPATHLEN + MAXNAMELEN);
2353                 safe_filep->next = NULL;
2354             }
2355             (void) fclose(fp);
2356         }
2357     }
2358 }

2360 /*
2361  * On SPARC we create a -path-list file for mkisofs
2362  */
2363 if (is_flag_on(IS_SPARC_TARGET) && !bam_nowrite()) {
2364     if (flags != FTW_D) {
2365         char *strip;

```

```

2367         strip = (char *)file + strlen(rootbuf);
2368         (void) fprintf(walk_arg.sparcfile, "%s=%s\n", strip,
2369             file);
2370     }
2371 }
2372
2373 /*
2374  * We are transitioning from the old model to the dircache or the cache
2375  * directory was removed: create the entry without further checkings.
2376  */
2377 if (is_flag_on(NEED_CACHE_DIR)) {
2378     if (bam_verbose)
2379         bam_print_("    new    %s\n", file);
2380
2381     if (is_flag_on(IS_SPARC_TARGET)) {
2382         set_dir_flag(NEED_UPDATE);
2383         return (0);
2384     }
2385
2386     ret = update_dircache(file, flags);
2387     if (ret == BAM_ERROR) {
2388         bam_error_("directory cache update failed for %s\n",
2389             file);
2390         return (-1);
2391     }
2392
2393     return (0);
2394 }
2395
2396 /*
2397  * We need an update if file doesn't exist in old archive
2398  */
2399 if (walk_arg.old_nvlp == NULL ||
2400     nvlist_lookup_uint64_array(walk_arg.old_nvlp,
2401     file + bam_rootlen, &value, &sz) != 0) {
2402     if (bam_smf_check) /* ignore new during smf check */
2403         return (0);
2404
2405     if (is_flag_on(IS_SPARC_TARGET)) {
2406         set_dir_flag(NEED_UPDATE);
2407     } else {
2408         ret = update_dircache(file, flags);
2409         if (ret == BAM_ERROR) {
2410             bam_error_("directory cache update
2411                 "failed for %s\n", file);
2412             return (-1);
2413         }
2414     }
2415
2416     if (bam_verbose)
2417         bam_print_("    new    %s\n", file);
2418     return (0);
2419 }
2420
2421 /*
2422  * If we got there, the file is already listed as to be included in the
2423  * iso image. We just need to know if we are going to rebuild it or not
2424  */
2425 if (is_flag_on(IS_SPARC_TARGET) &&
2426     is_dir_flag_on(NEED_UPDATE) && !bam_nowrite())
2427     return (0);
2428 /*
2429  * File exists in old archive. Check if file has changed
2430  */
2431 assert(sz == 2);

```

```

2432     bcopy(value, filestat, sizeof (filestat));
2433
2434     if (flags != FTW_D && (filestat[0] != st->st_size ||
2435         filestat[1] != st->st_mtime)) {
2436         if (bam_smf_check) {
2437             safefilep = safefiles;
2438             while (safefilep != NULL &&
2439                 safefilep->name[0] != '\0') {
2440                 if (regcomp(&re, safefilep->name,
2441                     REG_EXTENDED|REG_NOSUB) == 0) {
2442                     status = regex(&re,
2443                         file + bam_rootlen, 0, NULL, 0);
2444                     regfree(&re);
2445                     if (status == 0) {
2446                         (void) creat(
2447                             NEED_UPDATE_SAFE_FILE,
2448                             0644);
2449                         return (0);
2450                     }
2451                 }
2452                 safefilep = safefilep->next;
2453             }
2454         }
2455     }
2456
2457     if (is_flag_on(IS_SPARC_TARGET)) {
2458         set_dir_flag(NEED_UPDATE);
2459     } else {
2460         ret = update_dircache(file, flags);
2461         if (ret == BAM_ERROR) {
2462             bam_error_("directory cache update failed "
2463                 "for %s\n", file);
2464             return (-1);
2465         }
2466     }
2467
2468     /*
2469     * Update self-assembly file if there are changes in
2470     * /etc/system.d directory
2471     */
2472     if (strstr(file, ETC_SYSTEM_DIR)) {
2473         ret = update_dircache(self_assembly, flags);
2474         if (ret == BAM_ERROR) {
2475             bam_error_("directory cache update failed "
2476                 "for %s\n", file);
2477             return (-1);
2478         }
2479     }
2480
2481     if (bam_verbose) {
2482         if (bam_smf_check)
2483             bam_print("    %s\n", file);
2484         else
2485             bam_print_("    changed %s\n", file);
2486     }
2487
2488     return (0);
2489 }
2490
2491 unchanged_portion_omitted
2492
2493 static int
2494 assemble_systemfile(char *infilename, char *outfilename)
2495 {
2496     char buf[BUFSIZ];
2497     FILE *infile, *outfile;
2498     size_t n;

```

```

3819     if ((infile = fopen(infile, "r")) == NULL) {
3820         bam_error(_("failed to open file: %s: %s\n"), infile,
3821                 strerror(errno));
3822         return (BAM_ERROR);
3823     }
3825     if ((outfile = fopen(outfile, "a")) == NULL) {
3826         bam_error(_("failed to open file: %s: %s\n"), outfile,
3827                 strerror(errno));
3828         (void) fclose(infile);
3829         return (BAM_ERROR);
3830     }
3832     while ((n = fread(buf, 1, sizeof (buf), infile)) > 0) {
3833         if (fwrite(buf, 1, n, outfile) != n) {
3834             bam_error(_("failed to write file: %s: %s\n"),
3835                     outfile, strerror(errno));
3836             (void) fclose(infile);
3837             (void) fclose(outfile);
3838             return (BAM_ERROR);
3839         }
3840     }
3842     (void) fclose(infile);
3843     (void) fclose(outfile);
3845     return (BAM_SUCCESS);
3846 }
3848 /*
3849  * Concatenate all files (except those starting with a dot)
3850  * from /etc/system.d directory into a single /etc/system.d/.self-assembly
3851  * file. The kernel reads it before /etc/system file.
3852  */
3853 static error_t
3854 build_etc_system_dir(char *root)
3855 {
3856     struct dirent **filelist;
3857     char path[PATH_MAX], tmpfile[PATH_MAX];
3858     int i, files, sysfiles = 0;
3859     int ret = BAM_SUCCESS;
3860     struct stat st;
3861     timespec_t times[2];
3863     (void) snprintf(path, sizeof (path), "%s/%s", root, ETC_SYSTEM_DIR);
3864     (void) snprintf(self_assembly, sizeof (self_assembly),
3865                  "%s%s", root, SELF_ASSEMBLY);
3866     (void) snprintf(tmpfile, sizeof (tmpfile), "%s.%ld",
3867                  self_assembly, (long)getpid());
3869     if (stat(self_assembly, &st) >= 0 && (st.st_mode & S_IFMT) == S_IFREG) {
3870         times[0] = times[1] = st.st_mtim;
3871     } else {
3872         times[1].tv_nsec = 0;
3873     }
3875     if ((files = scandir(path, &filelist, NULL, alphasort)) < 0) {
3876         /* Don't fail the update if <ROOT>/etc/system.d doesn't exist */
3877         if (errno == ENOENT)
3878             return (BAM_SUCCESS);
3879         bam_error(_("can't read %s: %s\n"), path, strerror(errno));
3880         return (BAM_ERROR);
3881     }
3883     for (i = 0; i < files; i++) {

```

```

3884     char    filepath[PATH_MAX];
3885     char    *fname;
3887     fname = filelist[i]->d_name;
3889     /* skip anything that starts with a dot */
3890     if (strncmp(fname, ".", 1) == 0) {
3891         free(filelist[i]);
3892         continue;
3893     }
3895     if (bam_verbose)
3896         bam_print(_("/etc/system.d adding %s/%s\n"),
3897                 path, fname);
3899     (void) snprintf(filepath, sizeof (filepath), "%s/%s",
3900                    path, fname);
3902     if ((assemble_systemfile(filepath, tmpfile)) < 0) {
3903         bam_error(_("failed to append file: %s: %s\n"),
3904                 filepath, strerror(errno));
3905         ret = BAM_ERROR;
3906         break;
3907     }
3908     sysfiles++;
3909 }
3911 if (sysfiles > 0) {
3912     if (rename(tmpfile, self_assembly) < 0) {
3913         bam_error(_("failed to rename file: %s: %s\n"), tmpfile,
3914                 strerror(errno));
3915         return (BAM_ERROR);
3916     }
3918     /*
3919      * Use previous attribute times to avoid
3920      * boot archive recreation.
3921      */
3922     if (times[1].tv_nsec != 0 &&
3923         utimensat(AT_FDCWD, self_assembly, times, 0) != 0) {
3924         bam_error(_("failed to change times: %s\n"),
3925                 strerror(errno));
3926         return (BAM_ERROR);
3927     }
3928 } else {
3929     (void) unlink(tmpfile);
3930     (void) unlink(self_assembly);
3931 }
3932 return (ret);
3933 }
3935 static error_t
3936 create_ramdisk(char *root)
3937 {
3938     char *cmdline, path[PATH_MAX];
3939     size_t len;
3940     struct stat sb;
3941     int ret, status = BAM_SUCCESS;
3943     /* If mkisofs should be used, use it to create the required archives */
3944     if (use_mkisofs()) {
3945         if (has_cachedir() && is_dir_flag_on(NEEDED_UPDATE)) {
3946             ret = mkisofs_archive(root);
3947             if (ret != 0)
3948                 status = BAM_ERROR;
3949         }

```

```

3950         return (status);
3951     } else if (bam_format == BAM_FORMAT_HSFS) {
3952         bam_error(_("cannot create hsfs archive\n"));
3953         return (BAM_ERROR);
3954     }
3955
3956     /*
3957     * Else setup command args for create_ramdisk.ksh for the archive
3958     * Note: we will not create hash here, CREATE_RAMDISK should create it.
3959     */
3960
3961     (void) snprintf(path, sizeof (path), "%s/%s", root, CREATE_RAMDISK);
3962     if (stat(path, &sb) != 0) {
3963         bam_error(_("archive creation file not found: %s: %s\n"),
3964             path, strerror(errno));
3965         return (BAM_ERROR);
3966     }
3967
3968     if (is_safe_exec(path) == BAM_ERROR)
3969         return (BAM_ERROR);
3970
3971     len = strlen(path) + strlen(root) + 10; /* room for space + -R */
3972     if (bam_alt_platform)
3973         len += strlen(bam_platform) + strlen(" -p ");
3974     if (bam_format != BAM_FORMAT_UNSET)
3975         len += strlen(bam_formats[bam_format]) + strlen(" -f ");
3976     cmdline = s_calloc(1, len);
3977
3978     if (bam_alt_platform) {
3979         assert(strlen(root) > 1);
3980         (void) snprintf(cmdline, len, "%s -p %s -R %s",
3981             path, bam_platform, root);
3982         /* chop off / at the end */
3983         cmdline[strlen(cmdline) - 1] = '\0';
3984     } else if (strlen(root) > 1) {
3985         (void) snprintf(cmdline, len, "%s -R %s", path, root);
3986         /* chop off / at the end */
3987         cmdline[strlen(cmdline) - 1] = '\0';
3988     } else
3989         (void) snprintf(cmdline, len, "%s", path);
3990
3991     if (bam_format != BAM_FORMAT_UNSET) {
3992         if (strlcat(cmdline, " -f ", len) >= len ||
3993             strlcat(cmdline, bam_formats[bam_format], len) >= len) {
3994             bam_error(_("boot-archive command line too long\n"));
3995             free(cmdline);
3996             return (BAM_ERROR);
3997         }
3998     }
3999
4000     if (exec_cmd(cmdline, NULL) != 0) {
4001         bam_error(_("boot-archive creation FAILED, command: '%s'\n"),
4002             cmdline);
4003         free(cmdline);
4004         return (BAM_ERROR);
4005     }
4006     free(cmdline);
4007     /*
4008     * The existence of the expected archives used to be
4009     * verified here. This check is done in create_ramdisk as
4010     * it needs to be in sync with the altroot operated upon.
4011     */
4012     return (BAM_SUCCESS);
4013 }

```

unchanged portion omitted

```

4244 static error_t
4245 update_archive(char *root, char *opt)
4246 {
4247     error_t ret;
4248
4249     assert(root);
4250     assert(opt == NULL);
4251
4252     init_walk_args();
4253     (void) umask(022);
4254
4255     /*
4256     * Never update non-BE root in update_all
4257     */
4258     if (bam_update_all && !is_be(root))
4259         return (BAM_SUCCESS);
4260     /*
4261     * root must belong to a boot archive based OS,
4262     */
4263     if (!is_boot_archive(root)) {
4264         /*
4265         * Emit message only if not in context of update_all.
4266         * If in update_all, emit only if verbose flag is set.
4267         */
4268         if (!bam_update_all || bam_verbose)
4269             bam_print(_("%s: not a boot archive based Solaris "
4270                 "instance\n"), root);
4271         return (BAM_ERROR);
4272     }
4273
4274     /*
4275     * If smf check is requested when / is writable (can happen
4276     * on first reboot following an upgrade because service
4277     * dependency is messed up), skip the check.
4278     */
4279     if (bam_smf_check && !bam_root_readonly && !is_zfs(root))
4280         return (BAM_SUCCESS);
4281
4282     /*
4283     * Don't generate archive on ramdisk.
4284     */
4285     if (is_ramdisk(root))
4286         return (BAM_SUCCESS);
4287
4288     /*
4289     * root must be writable. This check applies to alternate
4290     * root (-R option); bam_root_readonly applies to '/' only.
4291     * The behaviour translates into being the one of a 'check'.
4292     */
4293     if (!bam_smf_check && !bam_check && is_readonly(root)) {
4294         set_flag(RDONLY_FSCHK);
4295         bam_check = 1;
4296     }
4297
4298     /*
4299     * Process the /etc/system.d/self-assembly file.
4300     */
4301     if (build_etc_system_dir(bam_root) == BAM_ERROR)
4302         return (BAM_ERROR);
4303
4304     /*
4305     * Now check if an update is really needed.
4306     */
4307     ret = update_required(root);
4308
4309     /*

```

```
4310     * The check command (-n) is *not* a dry run.
4311     * It only checks if the archive is in sync.
4312     * A readonly filesystem has to be considered an error only if an update
4313     * is required.
4314     */
4315     if (bam_nowrite()) {
4316         if (is_flag_on(RDONLY_FSCHK)) {
4317             bam_check = bam_saved_check;
4318             if (ret > 0)
4319                 bam_error(_("%s filesystem is read-only, "
4320                    "skipping archives update\n"), root);
4321             if (bam_update_all)
4322                 return ((ret != 0) ? BAM_ERROR : BAM_SUCCESS);
4323         }
4325         bam_exit((ret != 0) ? 1 : 0);
4326     }
4328     if (ret == 1) {
4329         /* create the ramdisk */
4330         ret = create_ramdisk(root);
4331     }
4333     /*
4334     * if the archive is updated, save the new stat data and update the
4335     * timestamp file
4336     */
4337     if (ret == 0 && walk_arg.new_nvlp != NULL) {
4338         savenew(root);
4339         update_timestamp(root);
4340     }
4342     clear_walk_args();
4344     return (ret);
4345 }
```

unchanged portion omitted

new/usr/src/cmd/boot/filelist/i386/filelist.ramdisk

1

539 Sun Dec 23 06:46:55 2018

new/usr/src/cmd/boot/filelist/i386/filelist.ramdisk

9696 add /etc/system.d support

Reviewed by: Dan Fields <dan.fields@nexenta.com>

Reviewed by: Roman Strashkin <roman.strashkin@nexenta.com>

Reviewed by: Cynthia Eastham <cynthia.eastham@nexenta.com>

Reviewed by: Toomas Soome <tsoome@me.com>

Reviewed by: Peter Tribble <peter.tribble@gmail.com>

Reviewed by: Andy Fiddaman <andy@omniosce.org>

- 1 boot/acpi/tables
- 2 boot/solaris/bootenv.rc
- 3 boot/solaris/devicedb/master
- 4 etc/cluster/nodeid
- 5 etc/dacf.conf
- 6 etc/devices/devid_cache
- 7 etc/devices/mdi_ib_cache
- 8 etc/devices/mdi_scsi_vhci_cache
- 9 etc/devices/retire_store
- 10 etc/devices/pci_unitaddr_persistent
- 11 etc/driver_aliases
- 12 etc/driver_classes
- 13 etc/mach
- 14 etc/name_to_major
- 15 etc/name_to_sysnum
- 16 etc/path_to_inst
- 17 etc/rtc_config
- 18 etc/system
- 19 **etc/system.d**
- 20 etc/hostid
- 21 kernel
- 22 platform/i86hvm/kernel
- 23 platform/i86pc/kernel
- 24 platform/i86xpv/kernel
- 25 platform/i86pc/ucode/GenuineIntel
- 26 platform/i86pc/ucode/AuthenticAMD

new/usr/src/pkg/manifests/SUNWcs.mf

1

```
*****
84216 Sun Dec 23 06:46:55 2018
new/usr/src/pkg/manifests/SUNWcs.mf
9696 add /etc/system.d support
Reviewed by: Dan Fields <dan.fields@nexenta.com>
Reviewed by: Roman Strashkin <roman.strashkin@nexenta.com>
Reviewed by: Cynthia Eastham <cynthia.eastham@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Peter Tribble <peter.tribble@gmail.com>
Reviewed by: Andy Fiddaman <andy@omniosce.org>
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright (c) 2013 Gary Mills
25 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
26 # Copyright 2017 Nexenta Systems, Inc.
27 # Copyright 2015 Nexenta Systems, Inc. All rights reserved.
28 # Copyright 2017 Toomas Soome <tsoome@me.com>
29 #
30 <include SUNWcs.man1.inc>
31 <include SUNWcs.man1m.inc>
32 <include SUNWcs.man4.inc>
33 <include SUNWcs.man5.inc>
34 <include SUNWcs.man7d.inc>
35 <include SUNWcs.man7fs.inc>
36 set name=pkg.fmri value=pkg:/SUNWcs@$(PKGVERS)
37 set name=pkg.description \
38     value="core software for a specific instruction-set architecture"
39 set name=pkg.summary value="Core Solaris"
40 set name=info.classification value=org.opensolaris.category.2008:System/Core
41 set name=variant.arch value=$(ARCH)
42 dir path=dev group=sys
43 dir path=etc group=sys
44 dir path=etc/cron.d group=sys
45 dir path=etc/crypto group=sys
46 dir path=etc/crypto/certs group=sys
47 dir path=etc/crypto/crls group=sys
48 dir path=etc/default group=sys
49 dir path=etc/dev group=sys
50 dir path=etc/devices group=sys
51 dir path=etc/dfs group=sys
52 dir path=etc/dhcp group=sys
53 dir path=etc/fs group=sys
54 dir path=etc/fs/dev group=sys
```

new/usr/src/pkg/manifests/SUNWcs.mf

2

```
55 dir path=etc/fs/hsfs group=sys
56 dir path=etc/fs/ufs group=sys
57 dir path=etc/ftpd group=sys
58 dir path=etc/inet group=sys
59 dir path=etc/init.d group=sys
60 dir path=etc/lib group=sys
61 dir path=etc/logadm.d group=sys
62 dir path=etc/mail group=mail
63 dir path=etc/net group=sys
64 dir path=etc/net/ticlts group=sys
65 dir path=etc/net/ticots group=sys
66 dir path=etc/net/ticotsord group=sys
67 dir path=etc/opt group=sys
68 dir path=etc/rc0.d group=sys
69 dir path=etc/rc1.d group=sys
70 dir path=etc/rc2.d group=sys
71 dir path=etc/rc3.d group=sys
72 dir path=etc/rcS.d group=sys
73 dir path=etc/rpcsec group=sys
74 dir path=etc/saf
75 dir path=etc/saf/zsmon group=sys
76 dir path=etc/sasl group=sys
77 dir path=etc/security group=sys
78 dir path=etc/security/audit group=sys
79 dir path=etc/security/audit/localhost group=sys
80 dir path=etc/security/auth_attr.d group=sys
81 dir path=etc/security/dev group=sys
82 dir path=etc/security/exec_attr.d group=sys
83 dir path=etc/security/lib group=sys
84 dir path=etc/security/prof_attr.d group=sys
85 dir path=etc/skel group=sys
86 dir path=etc/svc group=sys
87 dir path=etc/svc/profile group=sys
88 dir path=etc/svc/profile/site group=sys
89 dir path=etc/svc/volatile group=sys
90 dir path=etc/sysevent group=sys
91 dir path=etc/sysevent/config group=sys
92 dir path=etc/system.d group=sys
93 dir path=etc/tm group=sys
94 dir path=etc/user_attr.d group=sys
95 dir path=export group=sys
96 dir path=home group=root mode=0555
97 dir path=lib
98 dir path=lib/crypto
99 dir path=lib/inet
100 dir path=lib/svc
101 dir path=lib/svc/bin
102 dir path=lib/svc/capture
103 dir path=lib/svc/manifest group=sys
104 dir path=lib/svc/manifest/application group=sys
105 dir path=lib/svc/manifest/application/management group=sys
106 dir path=lib/svc/manifest/application/security group=sys
107 dir path=lib/svc/manifest/device group=sys
108 dir path=lib/svc/manifest/milestone group=sys
109 dir path=lib/svc/manifest/network group=sys
110 dir path=lib/svc/manifest/network/dns group=sys
111 dir path=lib/svc/manifest/network/ipsec group=sys
112 dir path=lib/svc/manifest/network/ldap group=sys
113 dir path=lib/svc/manifest/network/routing group=sys
114 dir path=lib/svc/manifest/network/rpc group=sys
115 dir path=lib/svc/manifest/network/shares group=sys
116 dir path=lib/svc/manifest/network/ssl group=sys
117 dir path=lib/svc/manifest/platform group=sys
118 $(sparc_ONLY)dir path=lib/svc/manifest/platform/sun4u group=sys
119 dir path=lib/svc/manifest/site group=sys
120 dir path=lib/svc/manifest/system group=sys
```


new/usr/src/pkg/manifests/SUNWcs.mf

```

121 dir path=lib/svc/manifest/system/device group=sys
122 dir path=lib/svc/manifest/system/filesystem group=sys
123 dir path=lib/svc/manifest/system/security group=sys
124 dir path=lib/svc/manifest/system/svc group=sys
125 dir path=lib/svc/method
126 dir path=lib/svc/monitor
127 dir path=lib/svc/seed
128 dir path=lib/svc/share
129 dir path=mnt group=sys
130 dir path=opt group=sys
131 dir path=proc group=root mode=0555
132 dir path=root group=root mode=0700
133 dir path=sbin group=sys
134 dir path=system group=root
135 dir path=system/boot group=root mode=0555
136 dir path=system/contract group=root mode=0555
137 dir path=system/object group=root mode=0555
138 dir path=tmp group=sys mode=1777
139 dir path=usr group=sys
140 dir path=usr/bin
141 dir path=usr/bin/$(ARCH32)
142 dir path=usr/bin/$(ARCH64)
143 dir path=usr/ccs
144 dir path=usr/ccs/bin
145 dir path=usr/demo
146 dir path=usr/games
147 dir path=usr/has
148 dir path=usr/has/bin
149 dir path=usr/has/lib
150 dir path=usr/has/man
151 dir path=usr/has/man/man1has
152 dir path=usr/kernel group=sys
153 dir path=usr/kernel/drv group=sys
154 dir path=usr/kernel/drv/$(ARCH64) group=sys
155 dir path=usr/kernel/exec group=sys
156 dir path=usr/kernel/exec/$(ARCH64) group=sys
157 dir path=usr/kernel/fs group=sys
158 dir path=usr/kernel/fs/$(ARCH64) group=sys
159 dir path=usr/kernel/pcbe group=sys
160 dir path=usr/kernel/pcbe/$(ARCH64) group=sys
161 dir path=usr/kernel/sched group=sys
162 dir path=usr/kernel/sched/$(ARCH64) group=sys
163 dir path=usr/kernel/strmod group=sys
164 dir path=usr/kernel/strmod/$(ARCH64) group=sys
165 dir path=usr/kernel/sys group=sys
166 dir path=usr/kernel/sys/$(ARCH64) group=sys
167 dir path=usr/kvm
168 dir path=usr/lib
169 dir path=usr/lib/$(ARCH64)
170 dir path=usr/lib/audit
171 dir path=usr/lib/class
172 dir path=usr/lib/class/FX
173 dir path=usr/lib/class/IA
174 dir path=usr/lib/class/RT
175 dir path=usr/lib/class/SDC
176 dir path=usr/lib/class/TS
177 dir path=usr/lib/crypto
178 dir path=usr/lib/devfsadm group=sys
179 dir path=usr/lib/devfsadm/linkmod group=sys
180 dir path=usr/lib/fs group=sys
181 dir path=usr/lib/fs/autofs group=sys
182 dir path=usr/lib/fs/autofs/$(ARCH64) group=sys
183 dir path=usr/lib/fs/bootfs group=sys
184 dir path=usr/lib/fs/ctfs group=sys
185 dir path=usr/lib/fs/dev group=sys
186 dir path=usr/lib/fs/fd group=sys

```

3

new/usr/src/pkg/manifests/SUNWcs.mf

```

187 dir path=usr/lib/fs/hsfs group=sys
188 dir path=usr/lib/fs/lofs group=sys
189 dir path=usr/lib/fs/mntfs group=sys
190 dir path=usr/lib/fs/nfs group=sys
191 dir path=usr/lib/fs/nfs/$(ARCH64) group=sys
192 dir path=usr/lib/fs/objfs group=sys
193 dir path=usr/lib/fs/proc group=sys
194 dir path=usr/lib/fs/sharefs group=sys
195 dir path=usr/lib/fs/tmpfs group=sys
196 dir path=usr/lib/fs/ufs group=sys
197 dir path=usr/lib/help
198 dir path=usr/lib/help/auths
199 dir path=usr/lib/help/auths/locale
200 dir path=usr/lib/help/auths/locale/C
201 dir path=usr/lib/help/profiles
202 dir path=usr/lib/help/profiles/locale
203 dir path=usr/lib/help/profiles/locale/C
204 dir path=usr/lib/iconv
205 dir path=usr/lib/inet
206 dir path=usr/lib/inet/$(ARCH64)
207 dir path=usr/lib/locale
208 dir path=usr/lib/locale/C
209 dir path=usr/lib/locale/C/LC_COLLATE
210 dir path=usr/lib/locale/C/LC_CTYPE
211 dir path=usr/lib/locale/C/LC_MESSAGES
212 dir path=usr/lib/locale/C/LC_MONETARY
213 dir path=usr/lib/locale/C/LC_NUMERIC
214 dir path=usr/lib/locale/C/LC_TIME
215 dir path=usr/lib/netsvc group=sys
216 dir path=usr/lib/pci
217 dir path=usr/lib/rcm
218 dir path=usr/lib/rcm/modules
219 dir path=usr/lib/rcm/scripts
220 dir path=usr/lib/reparse
221 dir path=usr/lib/saf
222 dir path=usr/lib/secure
223 dir path=usr/lib/secure/$(ARCH64)
224 dir path=usr/lib/security
225 dir path=usr/lib/sysevent
226 dir path=usr/lib/sysevent/modules
227 dir path=usr/net group=sys
228 dir path=usr/net/nls group=sys
229 dir path=usr/net/servers group=sys
230 dir path=usr/old
231 dir path=usr/platform group=sys
232 dir path=usr/sadm
233 dir path=usr/sadm/bin
234 dir path=usr/sadm/install
235 dir path=usr/sadm/install/scripts
236 dir path=usr/sbin
237 $(i386_ONLY)dir path=usr/sbin/$(ARCH32)
238 dir path=usr/sbin/$(ARCH64)
239 dir path=usr/share
240 dir path=usr/share/doc group=other
241 dir path=usr/share/doc/ksh
242 dir path=usr/share/doc/ksh/images
243 dir path=usr/share/doc/ksh/images/callouts
244 dir path=usr/share/lib
245 dir path=usr/share/lib/mailx
246 dir path=usr/share/lib/pub
247 dir path=usr/share/lib/tabset
248 dir path=usr/share/lib/xml group=sys
249 dir path=usr/share/lib/xml/dtd group=sys
250 dir path=usr/share/lib/xml/style group=sys
251 dir path=usr/share/man
252 dir path=usr/share/man/man1

```

4

```

253 dir path=usr/share/man/man1m
254 dir path=usr/share/man/man4
255 dir path=usr/share/man/man5
256 dir path=usr/share/man/man7d
257 dir path=usr/share/man/man7fs
258 dir path=usr/share/src group=sys
259 dir path=var group=sys
260 dir path=var/adm group=sys mode=0775
261 dir path=var/adm/exacct group=adm owner=adm
262 dir path=var/adm/log group=adm owner=adm
263 dir path=var/adm/streams group=sys
264 dir path=var/audit group=sys
265 dir path=var/cores group=sys
266 dir path=var/cron group=sys
267 dir path=var/games
268 dir path=var/ldap group=daemon owner=daemon
269 dir path=var/inet group=sys
270 dir path=var/ld
271 dir path=var/ld/${ARCH64}
272 dir path=var/log group=sys
273 dir path=var/logadm
274 dir path=var/mail group=mail mode=1777
275 dir path=var/mail/.saved group=mail mode=0775
276 dir path=var/news
277 dir path=var/opt group=sys
278 dir path=var/preserve mode=1777
279 dir path=var/run group=sys
280 dir path=var/saf
281 dir path=var/saf/zsmon group=sys
282 dir path=var/spool
283 dir path=var/spool/cron group=sys
284 dir path=var/spool/cron/atjobs group=sys
285 dir path=var/spool/cron/crontabs group=sys
286 dir path=var/spool/locks group=uucp owner=uucp
287 dir path=var/svc group=sys
288 dir path=var/svc/log group=sys
289 dir path=var/svc/manifest group=sys
290 dir path=var/svc/manifest/application group=sys
291 dir path=var/svc/manifest/application/management group=sys
292 dir path=var/svc/manifest/application/print group=sys
293 dir path=var/svc/manifest/application/security group=sys
294 dir path=var/svc/manifest/device group=sys
295 dir path=var/svc/manifest/milestone group=sys
296 dir path=var/svc/manifest/network group=sys
297 dir path=var/svc/manifest/network/dns group=sys
298 dir path=var/svc/manifest/network/ipsec group=sys
299 dir path=var/svc/manifest/network/ldap group=sys
300 dir path=var/svc/manifest/network/nfs group=sys
301 dir path=var/svc/manifest/network/nis group=sys
302 dir path=var/svc/manifest/network/routing group=sys
303 dir path=var/svc/manifest/network/rpc group=sys
304 dir path=var/svc/manifest/network/security group=sys
305 dir path=var/svc/manifest/network/shares group=sys
306 dir path=var/svc/manifest/network/ssl group=sys
307 dir path=var/svc/manifest/platform group=sys
308 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4u group=sys
309 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4v group=sys
310 dir path=var/svc/manifest/site group=sys
311 dir path=var/svc/manifest/system group=sys
312 dir path=var/svc/manifest/system/device group=sys
313 dir path=var/svc/manifest/system/filesystem group=sys
314 dir path=var/svc/manifest/system/security group=sys
315 dir path=var/svc/manifest/system/svc group=sys
316 dir path=var/svc/profile group=sys
317 dir path=var/tmp group=sys mode=1777
318 driver name=dump perms="dump 0660 root sys"

```

```

319 driver name=eventfd perms="* 0666 root sys"
320 driver name=fssnap \
321   policy="ctl read_priv_set=sys_config write_priv_set=sys_config" \
322   perms="* 0640 root sys" perms="ctl 0666 root sys"
323 driver name=kstat perms="* 0666 root sys"
324 driver name=ksyms perms="* 0666 root sys"
325 driver name=logindmux
326 driver name=ptm clone_perms="ptmx 0666 root sys"
327 driver name=pts perms="* 0644 root sys" perms="0 0620 root tty" \
328   perms="1 0620 root tty" perms="2 0620 root tty" perms="3 0620 root tty"
329 driver name=timerfd perms="* 0666 root sys"
330 file path=etc/.login group=sys preserve=renamew
331 file path=etc/cron.d/.proto group=sys mode=0744
332 file path=etc/cron.d/at.deny group=sys preserve=true
333 file path=etc/cron.d/cron.deny group=sys preserve=true
334 file path=etc/cron.d/queuedefs group=sys
335 file path=etc/crypto/kmf.conf group=sys preserve=true
336 file path=etc/crypto/pkcs11.conf group=sys preserve=true
337 file path=etc/datemsk group=sys mode=0444
338 file path=etc/default/cron group=sys preserve=true
339 file path=etc/default/devfsadm group=sys preserve=true
340 file path=etc/default/fs group=sys preserve=true
341 file path=etc/default/init group=sys preserve=true
342 file path=etc/default/keyserd group=sys preserve=true
343 file path=etc/default/login group=sys preserve=true
344 file path=etc/default/nss group=sys preserve=true
345 file path=etc/default/passwd group=sys preserve=true
346 file path=etc/default/su group=sys preserve=true
347 file path=etc/default/syslogd group=sys preserve=true
348 file path=etc/default/tar group=sys preserve=true
349 file path=etc/default/useradd group=sys preserve=true
350 file path=etc/default/utmpd group=sys preserve=true
351 file path=etc/dev/reserved_devnames group=sys preserve=true
352 file path=etc/device.tab group=root mode=0444 preserve=true
353 file path=etc/dfs/dfstab group=sys preserve=true
354 file path=etc/dfs/fstypes group=root preserve=true
355 file path=etc/dfs/sharetab group=root mode=0444 preserve=true
356 file path=etc/dgroup.tab group=sys mode=0444 preserve=true
357 file path=etc/dhcp/inittab group=sys preserve=true
358 file path=etc/dhcp/inittab6 group=sys preserve=true
359 file path=etc/dumpdates group=sys mode=0664 preserve=true
360 file path=etc/format.dat group=sys preserve=true
361 file path=etc/fs/dev/mount mode=0555
362 file path=etc/fs/hsfs/mount mode=0555
363 file path=etc/fs/ufs/mount mode=0555
364 file path=etc/ftpd/ftpusers group=sys preserve=true
365 file path=etc/group group=sys preserve=true
366 file path=etc/inet/hosts group=sys preserve=true
367 file path=etc/inet/inetd.conf group=sys preserve=true
368 file path=etc/inet/ipaddrsel.conf group=sys preserve=true
369 file path=etc/inet/netmasks group=sys preserve=true
370 file path=etc/inet/networks group=sys preserve=true
371 file path=etc/inet/protocols group=sys preserve=true
372 file path=etc/inet/services group=sys preserve=true
373 file path=etc/init.d/PRESERVE group=sys mode=0744 preserve=true
374 file path=etc/init.d/README group=sys preserve=true
375 file path=etc/init.d/syssetup group=sys mode=0744 preserve=true
376 file path=etc/inittab group=sys preserve=true
377 file path=etc/ioctl.syscon group=sys preserve=true
378 file path=etc/ksh.kshrc group=sys preserve=renameold
379 file path=etc/logadm.conf group=sys preserve=true timestamp=19700101T000000Z
380 file path=etc/loginddevperm group=sys preserve=true
381 file path=etc/magic mode=0444
382 file path=etc/mail/mailx.rc preserve=true
383 file path=etc/mailcap preserve=true
384 file path=etc/mime.types preserve=true

```

```

385 file path=etc/mnttab group=root mode=0444 preserve=true
386 file path=etc/motd group=sys preserve=true
387 file path=etc/net/ticlts/hosts group=sys
388 file path=etc/net/ticlts/services group=sys preserve=true
389 file path=etc/net/ticots/hosts group=sys
390 file path=etc/net/ticots/services group=sys preserve=true
391 file path=etc/net/ticotsord/hosts group=sys
392 file path=etc/net/ticotsord/services group=sys preserve=true
393 file path=etc/netconfig group=sys preserve=true
394 file path=etc/nsscd.conf group=sys preserve=true
395 file path=etc/nsswitch.ad group=sys
396 file path=etc/nsswitch.conf group=sys preserve=true
397 file path=etc/nsswitch.dns group=sys
398 file path=etc/nsswitch.files group=sys
399 file path=etc/nsswitch.ldap group=sys
400 file path=etc/pam.conf group=sys preserve=true
401 file path=etc/passwd group=sys preserve=true
402 file path=etc/profile group=sys preserve=renamew
403 file path=etc/project group=sys preserve=true
404 file path=etc/rc2.d/README group=sys
405 file path=etc/rc3.d/README group=sys
406 file path=etc/rcS.d/README group=sys
407 file path=etc/remote preserve=true
408 file path=etc/rpc group=sys preserve=true
409 file path=etc/saf/_sactab group=sys preserve=true
410 file path=etc/saf/_sysconfig group=sys preserve=true
411 file path=etc/saf/zsmon/_pmtab group=sys preserve=true
412 file path=etc/security/audit_class group=sys preserve=renamew
413 file path=etc/security/audit_event group=sys preserve=renamew
414 file path=etc/security/audit_warn group=sys mode=0740 preserve=renamew
415 file path=etc/security/auth_attr group=sys preserve=true \
416 timestamp=19700101T000000Z
417 file path=etc/security/auth_attr.d/SUNWcs group=sys
418 file path=etc/security/crypt.conf group=sys preserve=renamew
419 file path=etc/security/dev/audio mode=0400
420 file path=etc/security/dev/fd0 mode=0400
421 file path=etc/security/dev/sr0 mode=0400
422 file path=etc/security/dev/st0 mode=0400
423 file path=etc/security/dev/st1 mode=0400
424 file path=etc/security/exec_attr group=sys preserve=true \
425 timestamp=19700101T000000Z
426 file path=etc/security/exec_attr.d/SUNWcs group=sys
427 file path=etc/security/kmfpolicy.xml
428 file path=etc/security/lib/audio_clean group=sys mode=0555
429 file path=etc/security/lib/fd_clean group=sys mode=0555
430 file path=etc/security/lib/sr_clean group=sys mode=0555
431 file path=etc/security/lib/st_clean group=sys mode=0555
432 file path=etc/security/policy.conf group=sys preserve=true
433 file path=etc/security/priv_names group=sys preserve=renameold
434 file path=etc/security/prof_attr group=sys preserve=true \
435 timestamp=19700101T000000Z
436 file path=etc/security/prof_attr.d/SUNWcs group=sys
437 file path=etc/shadow group=sys mode=0400 preserve=true
438 file path=etc/skel/.kshrc group=other preserve=true
439 file path=etc/skel/.profile group=other preserve=true
440 file path=etc/svc/profile/generic_limited_net.xml group=sys mode=0444
441 file path=etc/svc/profile/generic_open.xml group=sys mode=0444
442 file path=etc/svc/profile/inetd_generic.xml group=sys mode=0444
443 file path=etc/svc/profile/inetd_upgrade.xml group=sys mode=0444
444 file path=etc/svc/profile/ns_dns.xml group=sys mode=0444
445 file path=etc/svc/profile/ns_files.xml group=sys mode=0444
446 file path=etc/svc/profile/ns_ldap.xml group=sys mode=0444
447 file path=etc/svc/profile/ns_nis.xml group=sys mode=0444
448 file path=etc/svc/profile/ns_none.xml group=sys mode=0444
449 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,SPARC-Enterprise.xml \
450 group=sys mode=0444

```

```

451 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire-15000.xml \
452 group=sys mode=0444
453 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire-880.xml \
454 group=sys mode=0444
455 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire.xml group=sys \
456 mode=0444
457 $(sparc_ONLY)file \
458 path=etc/svc/profile/platform_SUNW,Ultra-Enterprise-10000.xml group=sys \
459 mode=0444
460 $(sparc_ONLY)file \
461 path=etc/svc/profile/platform_SUNW,UltraSPARC-III-Netractor.xml group=sys \
462 mode=0444
463 file path=etc/svc/profile/platform_none.xml group=sys mode=0444
464 $(sparc_ONLY)file path=etc/svc/profile/platform_sun4v.xml group=sys mode=0444
465 file path=etc/sysevent/config/README group=sys mode=0444
466 file path=etc/sysevent/config/SUNW,EC_dr,ESC_dr_req,sysevent.conf group=sys
467 file path=etc/syslog.conf group=sys preserve=true
468 file path=etc/ttydefs group=sys preserve=true
469 file path=etc/ttysrchr group=sys preserve=true
470 file path=etc/user_attr group=sys preserve=true timestamp=19700101T000000Z
471 file path=etc/user_attr.d/SUNWcs group=sys
472 file path=etc/vfstab group=sys preserve=true
473 file path=lib/inet/in.mpathd mode=0555
474 file path=lib/inet/ipmgmt mode=0555
475 file path=lib/inet/netcfgd mode=0555
476 file path=lib/inet/nwamd mode=0555
477 file path=lib/svc/bin/lsvcrun group=sys mode=0555
478 file path=lib/svc/bin/mfstscan group=sys mode=0555
479 file path=lib/svc/bin/restore_repository group=sys mode=0555
480 file path=lib/svc/bin/sqlite group=sys mode=0555
481 file path=lib/svc/bin/svc.configd group=sys mode=0555
482 file path=lib/svc/bin/svc.ipfd group=sys mode=0555
483 file path=lib/svc/bin/svc.startd group=sys mode=0555
484 file path=lib/svc/manifest/milestone/multi-user-server.xml group=sys mode=0444
485 file path=lib/svc/manifest/milestone/multi-user.xml group=sys mode=0444
486 file path=lib/svc/manifest/milestone/name-services.xml group=sys mode=0444
487 file path=lib/svc/manifest/milestone/network.xml group=sys mode=0444
488 file path=lib/svc/manifest/milestone/single-user.xml group=sys mode=0444
489 file path=lib/svc/manifest/milestone/sysconfig.xml group=sys mode=0444
490 file path=lib/svc/manifest/network/dlmgmt.xml group=sys mode=0444
491 file path=lib/svc/manifest/network/dns/client.xml group=sys mode=0444
492 file path=lib/svc/manifest/network/dns/install.xml group=sys mode=0444
493 file path=lib/svc/manifest/network/forwarding.xml group=sys mode=0444
494 file path=lib/svc/manifest/network/inetd_upgrade.xml group=sys mode=0444
495 file path=lib/svc/manifest/network/inetd.xml group=sys mode=0444
496 file path=lib/svc/manifest/network/ipsec/ike.xml group=sys mode=0444
497 file path=lib/svc/manifest/network/ipsec/ipsecalgs.xml group=sys mode=0444
498 file path=lib/svc/manifest/network/ipsec/manual-key.xml group=sys mode=0444
499 file path=lib/svc/manifest/network/ipsec/policy.xml group=sys mode=0444
500 file path=lib/svc/manifest/network/ldap/client.xml group=sys mode=0444
501 file path=lib/svc/manifest/network/network-initial.xml group=sys mode=0444
502 file path=lib/svc/manifest/network/network-install.xml group=sys mode=0444
503 file path=lib/svc/manifest/network/network-ipmgmt.xml group=sys mode=0444
504 file path=lib/svc/manifest/network/network-ipqos.xml group=sys mode=0444
505 file path=lib/svc/manifest/network/network-iptun.xml group=sys mode=0444
506 file path=lib/svc/manifest/network/network-location.xml group=sys mode=0444
507 file path=lib/svc/manifest/network/network-loopback.xml group=sys mode=0444
508 file path=lib/svc/manifest/network/network-netcfg.xml group=sys mode=0444
509 file path=lib/svc/manifest/network/network-netmask.xml group=sys mode=0444
510 file path=lib/svc/manifest/network/network-physical.xml group=sys mode=0444
511 file path=lib/svc/manifest/network/network-routing-setup.xml group=sys \
512 mode=0444
513 file path=lib/svc/manifest/network/network-service.xml group=sys mode=0444
514 file path=lib/svc/manifest/network/routing/legacy-routing.xml group=sys \
515 mode=0444
516 file path=lib/svc/manifest/network/rpc/bind.xml group=sys mode=0444

```

```

517 file path=lib/svc/manifest/network/rpc/keysevr.xml group=sys mode=0444
518 file path=lib/svc/manifest/network/shares/group.xml group=sys mode=0444
519 file path=lib/svc/manifest/network/shares/reparsed.xml group=sys mode=0444
520 file path=lib/svc/manifest/network/socket-filter-kssl.xml group=sys mode=0444
521 file path=lib/svc/manifest/network/ssl/kssl-proxy.xml group=sys mode=0444
522 file path=lib/svc/manifest/system/auditd.xml group=sys mode=0444
523 file path=lib/svc/manifest/system/auditset.xml group=sys mode=0444
524 file path=lib/svc/manifest/system/boot-archive-update.xml group=sys mode=0444
525 file path=lib/svc/manifest/system/boot-archive.xml group=sys mode=0444
526 file path=lib/svc/manifest/system/boot-config.xml group=sys mode=0444
527 file path=lib/svc/manifest/system/consadm.xml group=sys mode=0444
528 file path=lib/svc/manifest/system/console-login.xml group=sys mode=0444
529 file path=lib/svc/manifest/system/coreadm.xml group=sys mode=0444
530 file path=lib/svc/manifest/system/cron.xml group=sys mode=0444
531 file path=lib/svc/manifest/system/cryptosvc.xml group=sys mode=0444
532 file path=lib/svc/manifest/system/device/allocate.xml group=sys mode=0444
533 file path=lib/svc/manifest/system/device/devices-audio.xml group=sys mode=0444
534 file path=lib/svc/manifest/system/device/devices-local.xml group=sys mode=0444
535 file path=lib/svc/manifest/system/device/mpxio-upgrade.xml group=sys mode=0444
536 file path=lib/svc/manifest/system/early-manifest-import.xml group=sys \
537 mode=0444
538 file path=lib/svc/manifest/system/extended-accounting.xml group=sys mode=0444
539 file path=lib/svc/manifest/system/filesystem/local-fs.xml group=sys mode=0444
540 file path=lib/svc/manifest/system/filesystem/minimal-fs.xml group=sys \
541 mode=0444
542 file path=lib/svc/manifest/system/filesystem/root-fs.xml group=sys mode=0444
543 file path=lib/svc/manifest/system/filesystem/usr-fs.xml group=sys mode=0444
544 $(i386_ONLY)file path=lib/svc/manifest/system/hostid.xml group=sys mode=0444
545 file path=lib/svc/manifest/system/hotplug.xml group=sys mode=0444
546 file path=lib/svc/manifest/system/identity.xml group=sys mode=0444
547 file path=lib/svc/manifest/system/idmap.xml group=sys mode=0444
548 file path=lib/svc/manifest/system/keymap.xml group=sys mode=0444
549 file path=lib/svc/manifest/system/logadm-upgrade.xml group=sys mode=0444
550 file path=lib/svc/manifest/system/manifest-import.xml group=sys mode=0444
551 file path=lib/svc/manifest/system/name-service-cache.xml group=sys mode=0444
552 file path=lib/svc/manifest/system/pfexecd.xml group=sys mode=0444
553 file path=lib/svc/manifest/system/process-security.xml group=sys mode=0444
554 file path=lib/svc/manifest/system/rbac.xml group=sys mode=0444
555 file path=lib/svc/manifest/system/rmtmpfiles.xml group=sys mode=0444
556 file path=lib/svc/manifest/system/sac.xml group=sys mode=0444
557 file path=lib/svc/manifest/system/svc/global.xml group=sys mode=0444
558 file path=lib/svc/manifest/system/svc/restarter.xml group=sys mode=0444
559 file path=lib/svc/manifest/system/system-log.xml group=sys mode=0444
560 file path=lib/svc/manifest/system/utmp.xml group=sys mode=0444
561 file path=lib/svc/manifest/system/vtdaemon.xml group=sys mode=0444
562 file path=lib/svc/method/boot-archive mode=0555
563 file path=lib/svc/method/boot-archive-update mode=0555
564 file path=lib/svc/method/console-login mode=0555
565 file path=lib/svc/method/devices-audio mode=0555
566 file path=lib/svc/method/devices-local mode=0555
567 file path=lib/svc/method/dns-install mode=0555
568 file path=lib/svc/method/fs-local mode=0555
569 file path=lib/svc/method/fs-minimal mode=0555
570 file path=lib/svc/method/fs-root mode=0555
571 file path=lib/svc/method/fs-usr mode=0555
572 file path=lib/svc/method/identity-domain mode=0555
573 file path=lib/svc/method/identity-node mode=0555
574 file path=lib/svc/method/inetd-upgrade mode=0555
575 file path=lib/svc/method/keymap mode=0555
576 file path=lib/svc/method/ldap-client mode=0555
577 file path=lib/svc/method/logadm-upgrade mode=0555
578 file path=lib/svc/method/manifest-import mode=0555
579 file path=lib/svc/method/mpxio-upgrade mode=0555
580 file path=lib/svc/method/net-init mode=0555
581 file path=lib/svc/method/net-install mode=0555
582 file path=lib/svc/method/net-ipmgmt mode=0555

```

```

583 file path=lib/svc/method/net-ipqos mode=0555
584 file path=lib/svc/method/net-iptun mode=0555
585 file path=lib/svc/method/net-loc mode=0555
586 file path=lib/svc/method/net-loopback mode=0555
587 file path=lib/svc/method/net-netmask mode=0555
588 file path=lib/svc/method/net-nwam mode=0555
589 file path=lib/svc/method/net-physical mode=0555
590 file path=lib/svc/method/net-routing-setup mode=0555
591 file path=lib/svc/method/net-svc mode=0555
592 file path=lib/svc/method/rmtmpfiles mode=0555
593 file path=lib/svc/method/rpc-bind mode=0555
594 file path=lib/svc/method/svc-allocate mode=0555
595 file path=lib/svc/method/svc-auditd mode=0555
596 file path=lib/svc/method/svc-auditset mode=0555
597 file path=lib/svc/method/svc-boot-config mode=0555
598 file path=lib/svc/method/svc-consadm mode=0555
599 file path=lib/svc/method/svc-cron mode=0555
600 file path=lib/svc/method/svc-dlmgmt mode=0555
601 file path=lib/svc/method/svc-forwarding mode=0555
602 $(i386_ONLY)file path=lib/svc/method/svc-hostid mode=0555
603 file path=lib/svc/method/svc-hotplug mode=0555
604 file path=lib/svc/method/svc-legacy-routing mode=0555
605 file path=lib/svc/method/svc-nscd mode=0555
606 file path=lib/svc/method/svc-rbac mode=0555
607 file path=lib/svc/method/svc-sockfilter mode=0555
608 file path=lib/svc/method/svc-utmpd mode=0555
609 file path=lib/svc/method/system-log mode=0555
610 file path=lib/svc/method/vtdaemon mode=0555
611 file path=lib/svc/method/yp mode=0555
612 # global.db is not needed in non-global zones, and it's pretty large.
613 file path=lib/svc/seed/global.db group=sys mode=0444 \
614 variant.opensolaris.zone=global
615 # symmetrically, nonglobal.db is not needed in global zones.
616 file path=lib/svc/seed/nonglobal.db group=sys mode=0444 \
617 variant.opensolaris.zone=nonglobal
618 file path=lib/svc/share/README mode=0444
619 file path=lib/svc/share/fs_include.sh mode=0444
620 file path=lib/svc/share/ipf_include.sh mode=0444
621 file path=lib/svc/share/mfsthistory mode=0444
622 file path=lib/svc/share/net_include.sh mode=0444
623 file path=lib/svc/share/routing_include.sh mode=0444
624 file path=lib/svc/share/smf_include.sh mode=0444
625 file path=root/.bashrc group=root preserve=true
626 file path=root/.profile group=root preserve=true
627 file path=sbin/autopush mode=0555
628 $(i386_ONLY)file path=sbin/biosdev mode=0555
629 file path=sbin/bootadm mode=0555
630 file path=sbin/cryptoadm mode=0555
631 file path=sbin/devprop mode=0555
632 file path=sbin/dhcpagent mode=0555
633 file path=sbin/dhcpinfo mode=0555
634 file path=sbin/dlmgmt mode=0555
635 file path=sbin/fdisk mode=0555
636 file path=sbin/fiocompress mode=0555
637 file path=sbin/hostconfig mode=0555
638 file path=sbin/ifconfig mode=0555
639 file path=sbin/ifparse mode=0555
640 file path=sbin/init group=sys mode=0555
641 $(i386_ONLY)file path=sbin/installgrub group=sys mode=0555
642 file path=sbin/impstat mode=0555
643 file path=sbin/mount mode=0555
644 file path=sbin/mountall group=sys mode=0555
645 file path=sbin/netstrategy mode=0555
646 file path=sbin/rc0 group=sys mode=0744
647 file path=sbin/rc1 group=sys mode=0744
648 file path=sbin/rc2 group=sys mode=0744

```

```

649 file path=sbin/rc3 group=sys mode=0744
650 file path=sbin/rcS group=sys mode=0744
651 file path=sbin/route mode=0555
652 file path=sbin/routeadm mode=0555
653 file path=sbin/soconfig mode=0555
654 file path=sbin/su.static group=sys mode=0555
655 file path=sbin/sulogin mode=0555
656 file path=sbin/swapadd group=sys mode=0744
657 file path=sbin/sync mode=0555
658 file path=sbin/tzreload mode=0555
659 file path=sbin/uadmin group=sys mode=0555
660 file path=sbin/umount mode=0555
661 file path=sbin/umountall group=sys mode=0555
662 file path=sbin/uname mode=0555
663 file path=sbin/zonename mode=0555
664 $(i386_ONLY)file path=usr/bin/$(ARCH32)/amt mode=0555
665 file path=usr/bin/$(ARCH32)/decrypt mode=0555
666 file path=usr/bin/$(ARCH32)/digest mode=0555
667 file path=usr/bin/$(ARCH32)/ksh93 mode=0555
668 $(i386_ONLY)file path=usr/bin/$(ARCH32)/newtask group=sys mode=4555
669 $(i386_ONLY)file path=usr/bin/$(ARCH32)/nohup mode=0555
670 $(i386_ONLY)file path=usr/bin/$(ARCH32)/prctl mode=0555
671 $(i386_ONLY)file path=usr/bin/$(ARCH32)/prstat mode=0555
672 $(i386_ONLY)file path=usr/bin/$(ARCH32)/ps mode=0555
673 file path=usr/bin/$(ARCH32)/savecore mode=0555
674 $(i386_ONLY)file path=usr/bin/$(ARCH32)/setuname mode=0555
675 $(i386_ONLY)file path=usr/bin/$(ARCH32)/uptime mode=4555
676 file path=usr/bin/$(ARCH64)/amt mode=0555
677 file path=usr/bin/$(ARCH64)/crle mode=0555
678 file path=usr/bin/$(ARCH64)/decrypt mode=0555
679 file path=usr/bin/$(ARCH64)/digest mode=0555
680 file path=usr/bin/$(ARCH64)/ksh93 mode=0555
681 file path=usr/bin/$(ARCH64)/ls mode=0555
682 file path=usr/bin/$(ARCH64)/moe mode=0555
683 file path=usr/bin/$(ARCH64)/newtask group=sys mode=4555
684 file path=usr/bin/$(ARCH64)/nohup mode=0555
685 file path=usr/bin/$(ARCH64)/prctl mode=0555
686 file path=usr/bin/$(ARCH64)/prstat mode=0555
687 file path=usr/bin/$(ARCH64)/ps mode=0555
688 file path=usr/bin/$(ARCH64)/savecore mode=0555
689 file path=usr/bin/$(ARCH64)/setuname mode=0555
690 file path=usr/bin/$(ARCH64)/uptime mode=4555
691 $(i386_ONLY)file path=usr/bin/addbadsec mode=0555
692 file path=usr/bin/alias mode=0555
693 file path=usr/bin/amt mode=0555
694 file path=usr/bin/arch mode=0555
695 file path=usr/bin/at group=sys mode=4755
696 file path=usr/bin/atq group=sys mode=4755
697 file path=usr/bin/atrm group=sys mode=4755
698 file path=usr/bin/auths mode=0555
699 file path=usr/bin/basename mode=0555
700 file path=usr/bin/busstat mode=0555
701 file path=usr/bin/captoinfo mode=0555
702 file path=usr/bin/cat mode=0555
703 file path=usr/bin/chgrp mode=0555
704 file path=usr/bin/chmod mode=0555
705 file path=usr/bin/chown mode=0555
706 file path=usr/bin/ckdate mode=0555
707 file path=usr/bin/ckgid mode=0555
708 file path=usr/bin/ckint mode=0555
709 file path=usr/bin/ckitem mode=0555
710 file path=usr/bin/ckkeywd mode=0555
711 file path=usr/bin/ckpath mode=0555
712 file path=usr/bin/ckrange mode=0555
713 file path=usr/bin/ckstr mode=0555
714 file path=usr/bin/cktime mode=0555

```

```

715 file path=usr/bin/ckuid mode=0555
716 file path=usr/bin/ckyorn mode=0555
717 file path=usr/bin/clear mode=0555
718 file path=usr/bin/coreadm mode=0555
719 file path=usr/bin/cp mode=0555
720 file path=usr/bin/cpio mode=0555
721 file path=usr/bin/crle mode=0555
722 file path=usr/bin/crontab mode=4555
723 file path=usr/bin/crypt mode=0555
724 file path=usr/bin/csh mode=0555
725 file path=usr/bin/ctrunc mode=0555
726 file path=usr/bin/ctstat mode=0555
727 file path=usr/bin/ctwatch mode=0555
728 file path=usr/bin/date mode=0555
729 file path=usr/bin/dd mode=0555
730 file path=usr/bin/devattr mode=0555
731 file path=usr/bin/devfree mode=0555
732 file path=usr/bin/devreserv mode=0555
733 file path=usr/bin/dirname mode=0555
734 $(i386_ONLY)file path=usr/bin/diskscan mode=0555
735 file path=usr/bin/domainname mode=0555
736 file path=usr/bin/du mode=0555
737 file path=usr/bin/dumpcs mode=0555
738 file path=usr/bin/dumpkeys mode=0555
739 file path=usr/bin/echo mode=0555
740 file path=usr/bin/ed mode=0555
741 file path=usr/bin/eject mode=0555
742 file path=usr/bin/env mode=0555
743 file path=usr/bin/expr mode=0555
744 file path=usr/bin/false mode=0555
745 file path=usr/bin/fdetach mode=0555
746 file path=usr/bin/fdformat mode=4555
747 file path=usr/bin/file mode=0555
748 file path=usr/bin/find mode=0555
749 file path=usr/bin/fmt mode=0555
750 file path=usr/bin/fmtmsg mode=0555
751 file path=usr/bin/fold mode=0555
752 file path=usr/bin/fsstat mode=0555
753 file path=usr/bin/geniconvtbl mode=0555
754 file path=usr/bin/getconf mode=0555
755 file path=usr/bin/getdev mode=0555
756 file path=usr/bin/getdgrp mode=0555
757 file path=usr/bin/getent mode=0555
758 file path=usr/bin/getfacl mode=0555
759 file path=usr/bin/getopt mode=0555
760 file path=usr/bin/gettext mode=0555
761 file path=usr/bin/getvol mode=0555
762 file path=usr/bin/grep mode=0555
763 file path=usr/bin/groups mode=0555
764 file path=usr/bin/head mode=0555
765 file path=usr/bin/hostid mode=0555
766 file path=usr/bin/hostname mode=0555
767 file path=usr/bin/iconv mode=0555
768 file path=usr/bin/id mode=0555
769 file path=usr/bin/infocmp mode=0555
770 file path=usr/bin/iostat mode=0555
771 file path=usr/bin/isainfo mode=0555
772 file path=usr/bin/isalist mode=0555
773 file path=usr/bin/kbd mode=0555
774 file path=usr/bin/keylogin mode=0555
775 file path=usr/bin/keylogout mode=0555
776 file path=usr/bin/kmfcfg mode=0555
777 file path=usr/bin/kvmstat mode=0555
778 file path=usr/bin/line mode=0555
779 file path=usr/bin/listdgrp mode=0555
780 file path=usr/bin/listusers mode=0555

```

```

781 file path=usr/bin/loadkeys mode=0555
782 file path=usr/bin/logger mode=0555
783 file path=usr/bin/login mode=4555
784 file path=usr/bin/logins mode=0750
785 file path=usr/bin/ls mode=0555
786 file path=usr/bin/m4 mode=0555
787 file path=usr/bin/mach mode=0555
788 file path=usr/bin/mail group=mail mode=2511
789 file path=usr/bin/mailx group=mail mode=2511
790 file path=usr/bin/makedev mode=0555
791 file path=usr/bin/mesg mode=0555
792 file path=usr/bin/mkdir mode=0555
793 file path=usr/bin/mkpwdict mode=0555
794 file path=usr/bin/mktemp mode=0555
795 file path=usr/bin/moe mode=0555
796 file path=usr/bin/more mode=0555
797 file path=usr/bin/mpstat mode=0555
798 file path=usr/bin/mt mode=0555
799 file path=usr/bin/netstat mode=0555
800 file path=usr/bin/newgrp group=sys mode=4755
801 file path=usr/bin/nice mode=0555
802 file path=usr/bin/optisa mode=0555
803 file path=usr/bin/pagesize mode=0555
804 file path=usr/bin/passwd group=sys mode=6555
805 file path=usr/bin/pathchk mode=0555
806 file path=usr/bin/pax mode=0555
807 file path=usr/bin/pfexec mode=0555
808 file path=usr/bin/pg mode=0555
809 file path=usr/bin/pgrep mode=0555
810 file path=usr/bin/pktool mode=0555
811 file path=usr/bin/pr mode=0555
812 file path=usr/bin/printf mode=0555
813 file path=usr/bin/priocntl mode=0555
814 file path=usr/bin/profiles mode=0555
815 file path=usr/bin/projects mode=0555
816 file path=usr/bin/putdev mode=0555
817 file path=usr/bin/putdgrp mode=0555
818 file path=usr/bin/pwd mode=0555
819 file path=usr/bin/renice mode=0555
820 file path=usr/bin/rm mode=0555
821 file path=usr/bin/rmdir mode=0555
822 file path=usr/bin/roles mode=0555
823 file path=usr/bin/rpcinfo mode=0555
824 file path=usr/bin/runat mode=0555
825 file path=usr/bin/script mode=0555
826 file path=usr/bin/sed mode=0555
827 file path=usr/bin/setfacl mode=0555
828 file path=usr/bin/setpgrp group=sys mode=0555
829 file path=usr/bin/settime mode=0555
830 file path=usr/bin/shcomp mode=0555
831 file path=usr/bin/strchg group=root mode=0555
832 file path=usr/bin/strconf group=root mode=0555
833 file path=usr/bin/stty mode=0555
834 file path=usr/bin/su group=sys mode=4555
835 file path=usr/bin/svcprop mode=0555
836 file path=usr/bin/svcs mode=0555
837 file path=usr/bin/tabs mode=0555
838 file path=usr/bin/tail mode=0555
839 file path=usr/bin/tic mode=0555
840 file path=usr/bin/time mode=0555
841 file path=usr/bin/tip mode=4511 owner=uucp
842 file path=usr/bin/tpmadm mode=0555
843 file path=usr/bin/tput mode=0555
844 file path=usr/bin/tr mode=0555
845 file path=usr/bin/true mode=0555
846 file path=usr/bin/tty mode=0555

```

```

847 file path=usr/bin/tzselect mode=0555
848 file path=usr/bin/userattr mode=0555
849 file path=usr/bin/uuidgen mode=0555
850 file path=usr/bin/vmstat mode=0555
851 file path=usr/bin/vtfontcvt mode=0555
852 file path=usr/bin/which mode=0555
853 file path=usr/bin/who mode=0555
854 file path=usr/bin/wracct mode=0555
855 file path=usr/bin/write group=tty mode=2555
856 file path=usr/bin/xargs mode=0555
857 file path=usr/bin/xstr mode=0555
858 file path=usr/has/bin/edit mode=0555
859 file path=usr/has/bin/sh mode=0555
860 file path=usr/has/man/man1has/edit.lhas
861 file path=usr/has/man/man1has/ex.lhas
862 file path=usr/has/man/man1has/sh.lhas
863 file path=usr/has/man/man1has/vi.lhas
864 file path=usr/kernel/drv/$(ARCH64)/dump group=sys
865 file path=usr/kernel/drv/$(ARCH64)/eventfd group=sys
866 file path=usr/kernel/drv/$(ARCH64)/fssnap group=sys
867 file path=usr/kernel/drv/$(ARCH64)/kstat group=sys
868 file path=usr/kernel/drv/$(ARCH64)/ksyms group=sys
869 file path=usr/kernel/drv/$(ARCH64)/logindmux group=sys
870 file path=usr/kernel/drv/$(ARCH64)/ptm group=sys
871 file path=usr/kernel/drv/$(ARCH64)/pts group=sys
872 file path=usr/kernel/drv/$(ARCH64)/timerfd group=sys
873 file path=usr/kernel/drv/dump.conf group=sys
874 file path=usr/kernel/drv/eventfd.conf group=sys
875 file path=usr/kernel/drv/fssnap.conf group=sys
876 file path=usr/kernel/drv/kstat.conf group=sys
877 file path=usr/kernel/drv/ksyms.conf group=sys
878 file path=usr/kernel/drv/logindmux.conf group=sys
879 file path=usr/kernel/drv/ptm.conf group=sys
880 file path=usr/kernel/drv/pts.conf group=sys
881 file path=usr/kernel/drv/timerfd.conf group=sys
882 file path=usr/kernel/exec/$(ARCH64)/javaexec group=sys mode=0755
883 file path=usr/kernel/exec/$(ARCH64)/shbinexec group=sys mode=0755
884 file path=usr/kernel/fs/$(ARCH64)/fdfs group=sys mode=0755
885 file path=usr/kernel/fs/$(ARCH64)/pcfs group=sys mode=0755
886 file path=usr/kernel/sched/$(ARCH64)/FX group=sys mode=0755
887 file path=usr/kernel/sched/$(ARCH64)/FX_DPTBL group=sys mode=0755
888 file path=usr/kernel/sched/$(ARCH64)/IA group=sys mode=0755
889 file path=usr/kernel/sched/$(ARCH64)/RT group=sys mode=0755
890 file path=usr/kernel/sched/$(ARCH64)/RT_DPTBL group=sys mode=0755
891 file path=usr/kernel/strmod/$(ARCH64)/cryptmod group=sys mode=0755
892 file path=usr/kernel/strmod/$(ARCH64)/r1mod group=sys mode=0755
893 file path=usr/kernel/strmod/$(ARCH64)/telmod group=sys mode=0755
894 file path=usr/kernel/sys/$(ARCH64)/acctctl group=sys mode=0755
895 file path=usr/kernel/sys/$(ARCH64)/exacctsys group=sys mode=0755
896 file path=usr/kernel/sys/$(ARCH64)/sysacct group=sys mode=0755
897 file path=usr/kvm/README group=sys
898 file path=usr/lib/$(ARCH64)/libshare.so.1
899 file path=usr/lib/audit/audit_record_attr mode=0444
900 file path=usr/lib/class/FX/FXdispadmin mode=0555
901 file path=usr/lib/class/FX/FXpriocntl mode=0555
902 file path=usr/lib/class/IA/IAdispadmin mode=0555
903 file path=usr/lib/class/IA/IApriocntl mode=0555
904 file path=usr/lib/class/RT/RTdispadmin mode=0555
905 file path=usr/lib/class/RT/RTpriocntl mode=0555
906 file path=usr/lib/class/SDC/SDCdispadmin mode=0555
907 file path=usr/lib/class/SDC/SDCpriocntl mode=0555
908 file path=usr/lib/class/TS/TSdispadmin mode=0555
909 file path=usr/lib/class/TS/TSpriocntl mode=0555
910 file path=usr/lib/devfsadm/linkmod/SUNW_audio_link.so group=sys
911 file path=usr/lib/devfsadm/linkmod/SUNW_cfg_link.so group=sys
912 file path=usr/lib/devfsadm/linkmod/SUNW_disk_link.so group=sys

```

```

913 file path=usr/lib/devfsadm/linkmod/SUNW_fssnap_link.so group=sys
914 file path=usr/lib/devfsadm/linkmod/SUNW_ieeel394_link.so group=sys
915 file path=usr/lib/devfsadm/linkmod/SUNW_lofi_link.so group=sys
916 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link.so group=sys
917 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link_${ARCH}.so group=sys
918 file path=usr/lib/devfsadm/linkmod/SUNW_port_link.so group=sys
919 file path=usr/lib/devfsadm/linkmod/SUNW_ramdisk_link.so group=sys
920 file path=usr/lib/devfsadm/linkmod/SUNW_sgen_link.so group=sys
921 file path=usr/lib/devfsadm/linkmod/SUNW_smp_link.so group=sys
922 file path=usr/lib/devfsadm/linkmod/SUNW_tape_link.so group=sys
923 file path=usr/lib/devfsadm/linkmod/SUNW_usb_link.so group=sys
924 file path=usr/lib/devfsadm/linkmod/SUNW_xen_link.so group=sys
925 file path=usr/lib/diffh mode=0555
926 file path=usr/lib/expreserve mode=0555
927 file path=usr/lib/exrecover mode=0555
928 file path=usr/lib/fs/bootfs/mount mode=0555
929 file path=usr/lib/fs/ctfs/mount mode=0555
930 file path=usr/lib/fs/fd/mount mode=0555
931 file path=usr/lib/fs/hsfs/fstyp.so.1 mode=0555
932 file path=usr/lib/fs/hsfs/labelit mode=0555
933 file path=usr/lib/fs/lofs/mount mode=0555
934 file path=usr/lib/fs/mntfs/mount mode=0555
935 file path=usr/lib/fs/objfs/mount mode=0555
936 file path=usr/lib/fs/proc/mount mode=0555
937 file path=usr/lib/fs/sharefs/mount mode=0555
938 file path=usr/lib/fs/tmpfs/mount mode=0555
939 file path=usr/lib/fs/ufs/clri mode=0555
940 file path=usr/lib/fs/ufs/df mode=0555
941 file path=usr/lib/fs/ufs/edquota mode=0555
942 file path=usr/lib/fs/ufs/ff mode=0555
943 file path=usr/lib/fs/ufs/fsck mode=0555
944 file path=usr/lib/fs/ufs/fsckall mode=0555
945 file path=usr/lib/fs/ufs/fsdb mode=0555
946 file path=usr/lib/fs/ufs/fsirand mode=0555
947 file path=usr/lib/fs/ufs/fssnap mode=0555
948 file path=usr/lib/fs/ufs/fstyp.so.1 mode=0555
949 file path=usr/lib/fs/ufs/labelit mode=0555
950 file path=usr/lib/fs/ufs/lockfs mode=0555
951 file path=usr/lib/fs/ufs/mkfs mode=0555
952 file path=usr/lib/fs/ufs/ncheck mode=0555
953 file path=usr/lib/fs/ufs/newfs mode=0555
954 file path=usr/lib/fs/ufs/quot mode=0555
955 file path=usr/lib/fs/ufs/quot mode=4555
956 file path=usr/lib/fs/ufs/quotacheck mode=0555
957 file path=usr/lib/fs/ufs/quotaoff mode=0555
958 file path=usr/lib/fs/ufs/repquota mode=0555
959 file path=usr/lib/fs/ufs/tunefs mode=0555
960 file path=usr/lib/fs/ufs/ufsdump mode=4555
961 file path=usr/lib/fs/ufs/ufsrestore mode=4555
962 file path=usr/lib/fs/ufs/volcopy mode=0555
963 file path=usr/lib/getoptcvt mode=0555
964 file path=usr/lib/help/auths/locale/C/AllSolAuthsHeader.html
965 file path=usr/lib/help/auths/locale/C/AuditHeader.html
966 file path=usr/lib/help/auths/locale/C/AuthJobsAdmin.html
967 file path=usr/lib/help/auths/locale/C/AuthJobsUser.html
968 file path=usr/lib/help/auths/locale/C/AuthProfmgrAssign.html
969 file path=usr/lib/help/auths/locale/C/AuthProfmgrDelegate.html
970 file path=usr/lib/help/auths/locale/C/AuthProfmgrExecattrWrite.html
971 file path=usr/lib/help/auths/locale/C/AuthProfmgrRead.html
972 file path=usr/lib/help/auths/locale/C/AuthProfmgrWrite.html
973 file path=usr/lib/help/auths/locale/C/AuthReadNDMP.html
974 file path=usr/lib/help/auths/locale/C/AuthReadSMB.html
975 file path=usr/lib/help/auths/locale/C/AuthRoleAssign.html
976 file path=usr/lib/help/auths/locale/C/AuthRoleDelegate.html
977 file path=usr/lib/help/auths/locale/C/AuthRoleWrite.html
978 file path=usr/lib/help/auths/locale/C/BindStates.html

```

```

979 file path=usr/lib/help/auths/locale/C/DevAllocHeader.html
980 file path=usr/lib/help/auths/locale/C/DevAllocate.html
981 file path=usr/lib/help/auths/locale/C/DevConfig.html
982 file path=usr/lib/help/auths/locale/C/DevGrant.html
983 file path=usr/lib/help/auths/locale/C/DevRevoke.html
984 file path=usr/lib/help/auths/locale/C/DhccpmgrHeader.html
985 file path=usr/lib/help/auths/locale/C/DhccpmgrWrite.html
986 file path=usr/lib/help/auths/locale/C/HotplugHeader.html
987 file path=usr/lib/help/auths/locale/C/HotplugModify.html
988 file path=usr/lib/help/auths/locale/C/IdmapRules.html
989 file path=usr/lib/help/auths/locale/C/JobHeader.html
990 file path=usr/lib/help/auths/locale/C/JobsGrant.html
991 file path=usr/lib/help/auths/locale/C/LinkSecurity.html
992 file path=usr/lib/help/auths/locale/C/LoginEnable.html
993 file path=usr/lib/help/auths/locale/C/LoginHeader.html
994 file path=usr/lib/help/auths/locale/C/LoginRemote.html
995 file path=usr/lib/help/auths/locale/C/NetworkAutoconfRead.html
996 file path=usr/lib/help/auths/locale/C/NetworkAutoconfSelect.html
997 file path=usr/lib/help/auths/locale/C/NetworkAutoconfWlan.html
998 file path=usr/lib/help/auths/locale/C/NetworkAutoconfWrite.html
999 file path=usr/lib/help/auths/locale/C/NetworkHeader.html
1000 file path=usr/lib/help/auths/locale/C/NetworkILBconf.html
1001 file path=usr/lib/help/auths/locale/C/NetworkILBenable.html
1002 file path=usr/lib/help/auths/locale/C/NetworkInterfaceConfig.html
1003 file path=usr/lib/help/auths/locale/C/NetworkVRRP.html
1004 file path=usr/lib/help/auths/locale/C/PriAdmin.html
1005 file path=usr/lib/help/auths/locale/C/ProfmgrHeader.html
1006 file path=usr/lib/help/auths/locale/C/RoleHeader.html
1007 file path=usr/lib/help/auths/locale/C/SmfAllocate.html
1008 file path=usr/lib/help/auths/locale/C/SmfAutofsStates.html
1009 file path=usr/lib/help/auths/locale/C/SmfCoreadmStates.html
1010 file path=usr/lib/help/auths/locale/C/SmfCronStates.html
1011 file path=usr/lib/help/auths/locale/C/SmfExAcctFlowStates.html
1012 file path=usr/lib/help/auths/locale/C/SmfExAcctNetStates.html
1013 file path=usr/lib/help/auths/locale/C/SmfExAcctProcessStates.html
1014 file path=usr/lib/help/auths/locale/C/SmfExAcctTaskStates.html
1015 file path=usr/lib/help/auths/locale/C/SmfHeader.html
1016 file path=usr/lib/help/auths/locale/C/SmfILBStates.html
1017 file path=usr/lib/help/auths/locale/C/SmfIPsecStates.html
1018 file path=usr/lib/help/auths/locale/C/SmfIdmapStates.html
1019 file path=usr/lib/help/auths/locale/C/SmfInetdStates.html
1020 file path=usr/lib/help/auths/locale/C/SmfLocationStates.html
1021 file path=usr/lib/help/auths/locale/C/SmfMDNSStates.html
1022 file path=usr/lib/help/auths/locale/C/SmfManageAudit.html
1023 file path=usr/lib/help/auths/locale/C/SmfManageHeader.html
1024 file path=usr/lib/help/auths/locale/C/SmfManageHotplug.html
1025 file path=usr/lib/help/auths/locale/C/SmfManageZFSSnap.html
1026 file path=usr/lib/help/auths/locale/C/SmfModifyAppl.html
1027 file path=usr/lib/help/auths/locale/C/SmfModifyDepend.html
1028 file path=usr/lib/help/auths/locale/C/SmfModifyFramework.html
1029 file path=usr/lib/help/auths/locale/C/SmfModifyHeader.html
1030 file path=usr/lib/help/auths/locale/C/SmfModifyMethod.html
1031 file path=usr/lib/help/auths/locale/C/SmfNADDStates.html
1032 file path=usr/lib/help/auths/locale/C/SmfNDMPStates.html
1033 file path=usr/lib/help/auths/locale/C/SmfNWAMStates.html
1034 file path=usr/lib/help/auths/locale/C/SmfNscdStates.html
1035 file path=usr/lib/help/auths/locale/C/SmfPowerStates.html
1036 file path=usr/lib/help/auths/locale/C/SmfReparseStates.html
1037 file path=usr/lib/help/auths/locale/C/SmfRoutingStates.html
1038 file path=usr/lib/help/auths/locale/C/SmfSMBFSStates.html
1039 file path=usr/lib/help/auths/locale/C/SmfSMBStates.html
1040 file path=usr/lib/help/auths/locale/C/SmfSendmailStates.html
1041 file path=usr/lib/help/auths/locale/C/SmfSshStates.html
1042 file path=usr/lib/help/auths/locale/C/SmfSyslogStates.html
1043 file path=usr/lib/help/auths/locale/C/SmfVRRPStates.html
1044 file path=usr/lib/help/auths/locale/C/SmfValueAudit.html

```

```

1045 file path=usr/lib/help/auths/locale/C/SmfValueCoreadm.html
1046 file path=usr/lib/help/auths/locale/C/SmfValueExAcctFlow.html
1047 file path=usr/lib/help/auths/locale/C/SmfValueExAcctNet.html
1048 file path=usr/lib/help/auths/locale/C/SmfValueExAcctProcess.html
1049 file path=usr/lib/help/auths/locale/C/SmfValueExAcctTask.html
1050 file path=usr/lib/help/auths/locale/C/SmfValueFirewall.html
1051 file path=usr/lib/help/auths/locale/C/SmfValueHeader.html
1052 file path=usr/lib/help/auths/locale/C/SmfValueIPsec.html
1053 file path=usr/lib/help/auths/locale/C/SmfValueIdmap.html
1054 file path=usr/lib/help/auths/locale/C/SmfValueInetd.html
1055 file path=usr/lib/help/auths/locale/C/SmfValueMDNS.html
1056 file path=usr/lib/help/auths/locale/C/SmfValueNADD.html
1057 file path=usr/lib/help/auths/locale/C/SmfValueNDMP.html
1058 file path=usr/lib/help/auths/locale/C/SmfValueNWAM.html
1059 file path=usr/lib/help/auths/locale/C/SmfValueProcSec.html
1060 file path=usr/lib/help/auths/locale/C/SmfValueRouting.html
1061 file path=usr/lib/help/auths/locale/C/SmfValueSMB.html
1062 file path=usr/lib/help/auths/locale/C/SmfValueVscan.html
1063 file path=usr/lib/help/auths/locale/C/SmfValueVt.html
1064 file path=usr/lib/help/auths/locale/C/SmfVscanStates.html
1065 file path=usr/lib/help/auths/locale/C/SmfVtStates.html
1066 file path=usr/lib/help/auths/locale/C/SmfWpaStates.html
1067 file path=usr/lib/help/auths/locale/C/SysCpuPowerMgmt.html
1068 file path=usr/lib/help/auths/locale/C/SysDate.html
1069 file path=usr/lib/help/auths/locale/C/SysHeader.html
1070 file path=usr/lib/help/auths/locale/C/SysMaintenance.html
1071 file path=usr/lib/help/auths/locale/C/SysPowerMgmtBrightness.html
1072 file path=usr/lib/help/auths/locale/C/SysPowerMgmtHeader.html
1073 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspend.html
1074 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoDisk.html
1075 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoRAM.html
1076 file path=usr/lib/help/auths/locale/C/SysShutdown.html
1077 file path=usr/lib/help/auths/locale/C/SysSyseventRead.html
1078 file path=usr/lib/help/auths/locale/C/SysSyseventWrite.html
1079 file path=usr/lib/help/auths/locale/C/WifiConfig.html
1080 file path=usr/lib/help/auths/locale/C/WifiWep.html
1081 file path=usr/lib/help/auths/locale/C/ZoneCloneFrom.html
1082 file path=usr/lib/help/auths/locale/C/ZoneHeader.html
1083 file path=usr/lib/help/auths/locale/C/ZoneLogin.html
1084 file path=usr/lib/help/auths/locale/C/ZoneManage.html
1085 file path=usr/lib/help/profiles/locale/C/RtAcctadm.html
1086 file path=usr/lib/help/profiles/locale/C/RtAll.html
1087 file path=usr/lib/help/profiles/locale/C/RtAuditCfg.html
1088 file path=usr/lib/help/profiles/locale/C/RtAuditCtrl.html
1089 file path=usr/lib/help/profiles/locale/C/RtAuditReview.html
1090 file path=usr/lib/help/profiles/locale/C/RtCPUPowerManagement.html
1091 file path=usr/lib/help/profiles/locale/C/RtConsUser.html
1092 file path=usr/lib/help/profiles/locale/C/RtContractObserver.html
1093 file path=usr/lib/help/profiles/locale/C/RtCronMngmnt.html
1094 file path=usr/lib/help/profiles/locale/C/RtCryptoMngmnt.html
1095 file path=usr/lib/help/profiles/locale/C/RtDHCPMngmnt.html
1096 file path=usr/lib/help/profiles/locale/C/RtDatAdmin.html
1097 file path=usr/lib/help/profiles/locale/C/RtDefault.html
1098 file path=usr/lib/help/profiles/locale/C/RtDeviceMngmnt.html
1099 file path=usr/lib/help/profiles/locale/C/RtDeviceSecurity.html
1100 file path=usr/lib/help/profiles/locale/C/RtExAcctFlow.html
1101 file path=usr/lib/help/profiles/locale/C/RtExAcctNet.html
1102 file path=usr/lib/help/profiles/locale/C/RtExAcctProcess.html
1103 file path=usr/lib/help/profiles/locale/C/RtExAcctTask.html
1104 file path=usr/lib/help/profiles/locale/C/RtFTPMngmnt.html
1105 file path=usr/lib/help/profiles/locale/C/RtFileSysMngmnt.html
1106 file path=usr/lib/help/profiles/locale/C/RtFileSysSecurity.html
1107 file path=usr/lib/help/profiles/locale/C/RtHotplugMngmnt.html
1108 file path=usr/lib/help/profiles/locale/C/RtIPFilterMngmnt.html
1109 file path=usr/lib/help/profiles/locale/C/RtIdmapMngmnt.html
1110 file path=usr/lib/help/profiles/locale/C/RtIdmapNameRulesMngmnt.html

```

```

1111 file path=usr/lib/help/profiles/locale/C/RtInetdMngmnt.html
1112 file path=usr/lib/help/profiles/locale/C/RtKerberosClnMngmnt.html
1113 file path=usr/lib/help/profiles/locale/C/RtKerberosSrvrMngmnt.html
1114 file path=usr/lib/help/profiles/locale/C/RtLogMngmnt.html
1115 file path=usr/lib/help/profiles/locale/C/RtMailMngmnt.html
1116 file path=usr/lib/help/profiles/locale/C/RtMaintAndRepair.html
1117 file path=usr/lib/help/profiles/locale/C/RtMediaBkup.html
1118 file path=usr/lib/help/profiles/locale/C/RtMediaCtlg.html
1119 file path=usr/lib/help/profiles/locale/C/RtMediaRestore.html
1120 file path=usr/lib/help/profiles/locale/C/RtNDMPMngmnt.html
1121 file path=usr/lib/help/profiles/locale/C/RtNameServiceAdmin.html
1122 file path=usr/lib/help/profiles/locale/C/RtNameServiceSecure.html
1123 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfAdmin.html
1124 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfUser.html
1125 file path=usr/lib/help/profiles/locale/C/RtNetILB.html
1126 file path=usr/lib/help/profiles/locale/C/RtNetIPsec.html
1127 file path=usr/lib/help/profiles/locale/C/RtNetLinkSecure.html
1128 file path=usr/lib/help/profiles/locale/C/RtNetMngmnt.html
1129 file path=usr/lib/help/profiles/locale/C/RtNetObservability.html
1130 file path=usr/lib/help/profiles/locale/C/RtNetSecure.html
1131 file path=usr/lib/help/profiles/locale/C/RtNetVRRP.html
1132 file path=usr/lib/help/profiles/locale/C/RtNetWifiMngmnt.html
1133 file path=usr/lib/help/profiles/locale/C/RtNetWifiSecure.html
1134 file path=usr/lib/help/profiles/locale/C/RtObAccessMngmnt.html
1135 file path=usr/lib/help/profiles/locale/C/RtOperator.html
1136 file path=usr/lib/help/profiles/locale/C/RtPriAdmin.html
1137 file path=usr/lib/help/profiles/locale/C/RtPrntAdmin.html
1138 file path=usr/lib/help/profiles/locale/C/RtProcManagement.html
1139 file path=usr/lib/help/profiles/locale/C/RtReparseMngmnt.html
1140 file path=usr/lib/help/profiles/locale/C/RtReservedProfile.html
1141 file path=usr/lib/help/profiles/locale/C/RtRightsDelegate.html
1142 file path=usr/lib/help/profiles/locale/C/RtSMBFSMngmnt.html
1143 file path=usr/lib/help/profiles/locale/C/RtSMBMngmnt.html
1144 file path=usr/lib/help/profiles/locale/C/RtSoftwareInstall.html
1145 file path=usr/lib/help/profiles/locale/C/RtSysAdmin.html
1146 file path=usr/lib/help/profiles/locale/C/RtSysEvMngmnt.html
1147 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmt.html
1148 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtBrightness.html
1149 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspend.html
1150 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoDisk.html
1151 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoRAM.html
1152 file path=usr/lib/help/profiles/locale/C/RtUserMngmnt.html
1153 file path=usr/lib/help/profiles/locale/C/RtUserSecurity.html
1154 file path=usr/lib/help/profiles/locale/C/RtVscanMngmnt.html
1155 file path=usr/lib/help/profiles/locale/C/RtZFSFileSysMngmnt.html
1156 file path=usr/lib/help/profiles/locale/C/RtZFSStorageMngmnt.html
1157 file path=usr/lib/help/profiles/locale/C/RtZoneMngmnt.html
1158 file path=usr/lib/help/profiles/locale/C/RtZoneSecurity.html
1159 file path=usr/lib/hotplugd mode=0555
1160 file path=usr/lib/iconv/646da.8859.t mode=0444
1161 file path=usr/lib/iconv/646de.8859.t mode=0444
1162 file path=usr/lib/iconv/646en.8859.t mode=0444
1163 file path=usr/lib/iconv/646es.8859.t mode=0444
1164 file path=usr/lib/iconv/646fr.8859.t mode=0444
1165 file path=usr/lib/iconv/646it.8859.t mode=0444
1166 file path=usr/lib/iconv/646sv.8859.t mode=0444
1167 file path=usr/lib/iconv/8859.646.t mode=0444
1168 file path=usr/lib/iconv/8859.646da.t mode=0444
1169 file path=usr/lib/iconv/8859.646de.t mode=0444
1170 file path=usr/lib/iconv/8859.646en.t mode=0444
1171 file path=usr/lib/iconv/8859.646es.t mode=0444
1172 file path=usr/lib/iconv/8859.646fr.t mode=0444
1173 file path=usr/lib/iconv/8859.646it.t mode=0444
1174 file path=usr/lib/iconv/8859.646sv.t mode=0444
1175 file path=usr/lib/iconv/iconv_data mode=0444
1176 file path=usr/lib/idmapd mode=0555

```



```

1177 file path=usr/lib/inet/$(ARCH64)/in.iked mode=0555
1178 file path=usr/lib/inet/certdb mode=0555
1179 file path=usr/lib/inet/certlocal mode=0555
1180 file path=usr/lib/inet/certrldb mode=0555
1181 file path=usr/lib/inet/inetd mode=0555
1182 file path=usr/lib/intrd mode=0555
1183 file path=usr/lib/isaexec mode=0555
1184 file path=usr/lib/kssladm mode=0555
1185 $(sparc_ONLY)file path=usr/lib/ld.so
1186 file path=usr/lib/libshare.so.1
1187 file path=usr/lib/makekey mode=0555
1188 file path=usr/lib/more.help
1189 file path=usr/lib/newsyslog group=sys mode=0555
1190 file path=usr/lib/passmgmt group=sys mode=0555
1191 file path=usr/lib/pci/pcidr mode=0555
1192 file path=usr/lib/pci/pcidr_plugin.so
1193 file path=usr/lib/pfexecd mode=0555
1194 file path=usr/lib/platexec mode=0555
1195 file path=usr/lib/rcm/modules/SUNW_aggr_rcm.so mode=0555
1196 file path=usr/lib/rcm/modules/SUNW_cluster_rcm.so mode=0555
1197 file path=usr/lib/rcm/modules/SUNW_dump_rcm.so mode=0555
1198 file path=usr/lib/rcm/modules/SUNW_filesys_rcm.so mode=0555
1199 file path=usr/lib/rcm/modules/SUNW_ibpart_rcm.so mode=0555
1200 file path=usr/lib/rcm/modules/SUNW_ip_anon_rcm.so mode=0555
1201 file path=usr/lib/rcm/modules/SUNW_ip_rcm.so mode=0555
1202 file path=usr/lib/rcm/modules/SUNW_mpxio_rcm.so mode=0555
1203 file path=usr/lib/rcm/modules/SUNW_network_rcm.so mode=0555
1204 file path=usr/lib/rcm/modules/SUNW_swap_rcm.so mode=0555
1205 $(sparc_ONLY)file path=usr/lib/rcm/modules/SUNW_ttymux_rcm.so mode=0555
1206 file path=usr/lib/rcm/modules/SUNW_vlan_rcm.so mode=0555
1207 file path=usr/lib/rcm/modules/SUNW_vnic_rcm.so mode=0555
1208 file path=usr/lib/rcm/rcm_daemon mode=0555
1209 file path=usr/lib/reparse/reparsed group=sys mode=0555
1210 file path=usr/lib/saf/listen group=sys mode=0755
1211 file path=usr/lib/saf/nlps_server group=sys mode=0755
1212 file path=usr/lib/saf/sac group=sys mode=0555
1213 file path=usr/lib/saf/ttymon group=sys mode=0555
1214 file path=usr/lib/sysevent/modules/datalink_mod.so
1215 file path=usr/lib/sysevent/modules/devfsadm_mod.so
1216 file path=usr/lib/sysevent/modules/sysevent_conf_mod.so
1217 file path=usr/lib/sysevent/modules/sysevent_reg_mod.so
1218 file path=usr/lib/sysevent/syseventconfd mode=0555
1219 file path=usr/lib/sysevent/syseventd mode=0555
1220 file path=usr/lib/utmp_update mode=4555
1221 file path=usr/lib/utmpd mode=0555
1222 file path=usr/lib/vtdaemon mode=0555
1223 file path=usr/lib/vtinfo mode=0555
1224 file path=usr/lib/vtxlock mode=0555
1225 file path=usr/sadm/bin/puttext mode=0555
1226 file path=usr/sadm/install/miniroot.db group=sys mode=0444
1227 file path=usr/sadm/install/scripts/i.ipsecalgs group=sys mode=0555
1228 file path=usr/sadm/install/scripts/i.kcfconf group=sys mode=0555
1229 file path=usr/sadm/install/scripts/i.kmfcconf group=sys mode=0555
1230 file path=usr/sadm/install/scripts/i.manifest group=sys mode=0555
1231 file path=usr/sadm/install/scripts/i.pkcs11conf group=sys mode=0555
1232 file path=usr/sadm/install/scripts/i.rbac group=sys mode=0555
1233 file path=usr/sadm/install/scripts/r.ipsecalgs group=sys mode=0555
1234 file path=usr/sadm/install/scripts/r.kcfconf group=sys mode=0555
1235 file path=usr/sadm/install/scripts/r.kmfcconf group=sys mode=0555
1236 file path=usr/sadm/install/scripts/r.manifest group=sys mode=0555
1237 file path=usr/sadm/install/scripts/r.pkcs11conf group=sys mode=0555
1238 file path=usr/sadm/install/scripts/r.rbac group=sys mode=0555
1239 file path=usr/sadm/ugdates mode=0444
1240 file path=usr/sbin/6to4relay mode=0555
1241 file path=usr/sbin/acctadm mode=0555
1242 file path=usr/sbin/add_drv group=sys mode=0555

```

```

1243 file path=usr/sbin/allocate mode=4555
1244 file path=usr/sbin/arp mode=0555
1245 file path=usr/sbin/audit mode=0555
1246 file path=usr/sbin/auditconfig mode=0555
1247 file path=usr/sbin/auditd mode=0555
1248 file path=usr/sbin/auditrecord mode=0555
1249 file path=usr/sbin/auditreduce mode=0555
1250 file path=usr/sbin/auditstat mode=0555
1251 file path=usr/sbin/cfgadm mode=0555
1252 file path=usr/sbin/chroot mode=0555
1253 file path=usr/sbin/clear_locks mode=0555
1254 file path=usr/sbin/clinfo mode=0555
1255 file path=usr/sbin/clri mode=0555
1256 file path=usr/sbin/consadm group=sys mode=0555
1257 file path=usr/sbin/cron group=sys mode=0555
1258 file path=usr/sbin/devfsadm group=sys mode=0755
1259 file path=usr/sbin/devinfo mode=0555
1260 file path=usr/sbin/df mode=0555
1261 file path=usr/sbin/dfmounts mode=0555
1262 file path=usr/sbin/dispadm mode=0555
1263 file path=usr/sbin/dminfo mode=0555
1264 file path=usr/sbin/dumpadm mode=0555
1265 file path=usr/sbin/eeeprom group=sys mode=2555
1266 file path=usr/sbin/ff mode=0555
1267 file path=usr/sbin/fmthard group=sys mode=0555
1268 file path=usr/sbin/format mode=0555
1269 file path=usr/sbin/fsck mode=0555
1270 file path=usr/sbin/fstyp group=sys mode=0555
1271 file path=usr/sbin/fuser mode=0555
1272 file path=usr/sbin/getdevpolicy group=sys mode=0555
1273 file path=usr/sbin/getmajor group=sys mode=0755
1274 file path=usr/sbin/groupadd group=sys mode=0555
1275 file path=usr/sbin/groupdel group=sys mode=0555
1276 file path=usr/sbin/groupmod group=sys mode=0555
1277 file path=usr/sbin/growfs mode=0555
1278 file path=usr/sbin/grpck mode=0555
1279 file path=usr/sbin/halt mode=0755
1280 file path=usr/sbin/hotplug mode=0555
1281 file path=usr/sbin/idmap mode=0555
1282 file path=usr/sbin/if_mpadm mode=0555
1283 file path=usr/sbin/ikeadm mode=0555
1284 file path=usr/sbin/ikecert mode=0555
1285 file path=usr/sbin/inetadm mode=0555
1286 file path=usr/sbin/inetconv mode=0555
1287 file path=usr/sbin/install mode=0555
1288 file path=usr/sbin/installboot group=sys mode=0555
1289 file path=usr/sbin/ipaddrsel mode=0555
1290 file path=usr/sbin/ipsecalgs mode=0555
1291 file path=usr/sbin/ipsecconf mode=0555
1292 file path=usr/sbin/ipseckey mode=0555
1293 file path=usr/sbin/keyserv group=sys mode=0555
1294 file path=usr/sbin/killall mode=0555
1295 file path=usr/sbin/ksslcfg mode=0555
1296 file path=usr/sbin/link mode=0555
1297 file path=usr/sbin/locator mode=0555
1298 file path=usr/sbin/lofiadm mode=0555
1299 file path=usr/sbin/logadm mode=0555
1300 file path=usr/sbin/makedbm mode=0555
1301 file path=usr/sbin/mkdevalloc mode=0555
1302 file path=usr/sbin/mkfile mode=0555
1303 file path=usr/sbin/mknod mode=0555
1304 file path=usr/sbin/modinfo group=sys mode=0555
1305 file path=usr/sbin/modload group=sys mode=0555
1306 file path=usr/sbin/modunload group=sys mode=0555
1307 file path=usr/sbin/mountall group=sys mode=0555
1308 file path=usr/sbin/msgid mode=0555

```

```

1309 file path=usr/sbin/mydir mode=0555
1310 file path=usr/sbin/ndd mode=0555
1311 file path=usr/sbin/ndp mode=0555
1312 file path=usr/sbin/nlsadmin group=adm mode=0755
1313 file path=usr/sbin/nltest mode=0555
1314 file path=usr/sbin/nscd mode=0555
1315 file path=usr/sbin/nwamadm mode=0555
1316 file path=usr/sbin/nwamcfg mode=0555
1317 file path=usr/sbin/pbind group=sys mode=0555
1318 file path=usr/sbin/ping mode=4555
1319 file path=usr/sbin/pmadm group=sys mode=0555
1320 file path=usr/sbin/praudit mode=0555
1321 file path=usr/sbin/prtconf group=sys mode=2555
1322 $(i386_ONLY)file path=usr/sbin/prtdiag group=sys mode=2755
1323 file path=usr/sbin/prtvtoc group=sys mode=0555
1324 file path=usr/sbin/psradm group=sys mode=0555
1325 file path=usr/sbin/psrinfo group=sys mode=0555
1326 file path=usr/sbin/psrset group=sys mode=0555
1327 file path=usr/sbin/pwck mode=0555
1328 file path=usr/sbin/pwconv group=sys mode=0555
1329 file path=usr/sbin/raidctl mode=0555
1330 file path=usr/sbin/ramdiskadm mode=0555
1331 file path=usr/sbin/rctladm mode=0555
1332 file path=usr/sbin/rem_drv group=sys mode=0555
1333 file path=usr/sbin/root_archive group=sys mode=0555
1334 file path=usr/sbin/rpcbind mode=0555
1335 $(i386_ONLY)file path=usr/sbin/rtc mode=0555
1336 file path=usr/sbin/sacadm group=sys mode=4755
1337 file path=usr/sbin/setmnt mode=0555
1338 file path=usr/sbin/shareall mode=0555
1339 file path=usr/sbin/sharectl mode=0555
1340 file path=usr/sbin/sharemgr mode=0555
1341 file path=usr/sbin/shutdown group=sys mode=0755
1342 file path=usr/sbin/smbios mode=0555
1343 file path=usr/sbin/stmsboot mode=0555
1344 file path=usr/sbin/strace group=sys mode=0555
1345 file path=usr/sbin/strclean group=sys mode=0555
1346 file path=usr/sbin/strerr group=sys mode=0555
1347 file path=usr/sbin/sttydefs group=sys mode=0755
1348 file path=usr/sbin/svcadm mode=0555
1349 file path=usr/sbin/svccfg mode=0555
1350 file path=usr/sbin/swap group=sys mode=2555
1351 file path=usr/sbin/syncinit mode=0555
1352 file path=usr/sbin/syncloop mode=0555
1353 file path=usr/sbin/syncstat mode=0555
1354 file path=usr/sbin/sysdef group=sys mode=2555
1355 file path=usr/sbin/syseventadm group=sys mode=0555
1356 file path=usr/sbin/syslogd group=sys mode=0555
1357 file path=usr/sbin/tar mode=0555
1358 file path=usr/sbin/traceroute mode=4555
1359 file path=usr/sbin/trapstat mode=0555
1360 file path=usr/sbin/ttyadm group=sys mode=0755
1361 $(i386_ONLY)file path=usr/sbin/ucodeadm mode=0555
1362 file path=usr/sbin/umountall group=sys mode=0555
1363 file path=usr/sbin/unlink mode=0555
1364 file path=usr/sbin/unshareall mode=0555
1365 file path=usr/sbin/update_drv group=sys mode=0555
1366 file path=usr/sbin/useradd group=sys mode=0555
1367 file path=usr/sbin/userdel group=sys mode=0555
1368 file path=usr/sbin/usermod group=sys mode=0555
1369 $(sparc_ONLY)file path=usr/sbin/virtinfo mode=0555
1370 file path=usr/sbin/volcopy mode=0555
1371 file path=usr/sbin/wall group=tty mode=2555
1372 file path=usr/sbin/whodo mode=4555
1373 file path=usr/sbin/zdump mode=0555
1374 file path=usr/sbin/zic mode=0555

```

```

1375 file path=usr/share/doc/ksh/COMPATIBILITY
1376 file path=usr/share/doc/ksh/DESIGN
1377 file path=usr/share/doc/ksh/OBSOLETE
1378 file path=usr/share/doc/ksh/README
1379 file path=usr/share/doc/ksh/RELEASE
1380 file path=usr/share/doc/ksh/TYPES
1381 file path=usr/share/doc/ksh/images/callouts/1.png
1382 file path=usr/share/doc/ksh/images/callouts/10.png
1383 file path=usr/share/doc/ksh/images/callouts/2.png
1384 file path=usr/share/doc/ksh/images/callouts/3.png
1385 file path=usr/share/doc/ksh/images/callouts/4.png
1386 file path=usr/share/doc/ksh/images/callouts/5.png
1387 file path=usr/share/doc/ksh/images/callouts/6.png
1388 file path=usr/share/doc/ksh/images/callouts/7.png
1389 file path=usr/share/doc/ksh/images/callouts/8.png
1390 file path=usr/share/doc/ksh/images/callouts/9.png
1391 file path=usr/share/doc/ksh/images/tag_bourne.png
1392 file path=usr/share/doc/ksh/images/tag_il8n.png
1393 file path=usr/share/doc/ksh/images/tag_ksh.png
1394 file path=usr/share/doc/ksh/images/tag_ksh88.png
1395 file path=usr/share/doc/ksh/images/tag_ksh93.png
1396 file path=usr/share/doc/ksh/images/tag_l10n.png
1397 file path=usr/share/doc/ksh/images/tag_perf.png
1398 file path=usr/share/doc/ksh/shell_styleguide.docbook
1399 file path=usr/share/lib/mailx/mailx.help
1400 file path=usr/share/lib/mailx/mailx.help.~
1401 file path=usr/share/lib/tabset/3101
1402 file path=usr/share/lib/tabset/beehive
1403 file path=usr/share/lib/tabset/hds
1404 file path=usr/share/lib/tabset/hds3
1405 file path=usr/share/lib/tabset/std
1406 file path=usr/share/lib/tabset/stdcrt
1407 file path=usr/share/lib/tabset/teleray
1408 file path=usr/share/lib/tabset/vt100
1409 file path=usr/share/lib/tabset/wyse-adds
1410 file path=usr/share/lib/tabset/xerox1720
1411 file path=usr/share/lib/termcap
1412 file path=usr/share/lib/unittab
1413 file path=usr/share/lib/xml/dtd/adt_record.dtd.1
1414 file path=usr/share/lib/xml/dtd/kmfpolicy.dtd
1415 file path=usr/share/lib/xml/dtd/service_bundle.dtd.1 group=sys
1416 file path=usr/share/lib/xml/style/adt_record.xsl.1
1417 file path=var/adm/aculog mode=0600 owner=uucp preserve=true
1418 file path=var/adm/spellhist mode=0666 preserve=true
1419 file path=var/adm/utmpx preserve=true
1420 file path=var/adm/wtmpx group=adm owner=adm preserve=true
1421 file path=var/log/authlog group=sys mode=0600 preserve=true
1422 file path=var/log/syslog group=sys preserve=true
1423 file path=var/saf/zsmon/log group=sys preserve=true
1424 file path=var/spool/cron/crontabs/adm group=sys mode=0600 preserve=true
1425 file path=var/spool/cron/crontabs/root group=sys mode=0600 preserve=true
1426 hardlink path=etc/rc2.d/S20syssetup target=../etc/init.d/syssetup
1427 hardlink path=etc/rc2.d/S89PRESERVE target=../etc/init.d/PRESERVE
1428 $(sparc_ONLY)hardlink path=etc/svc/profile/platform_SUNW,Sun-Fire-V890.xml \
1429   target=platform_SUNW,Sun-Fire-880.xml
1430 $(sparc_ONLY)hardlink \
1431   path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-40.xml \
1432   target=platform_SUNW,UltraSPARC-IIi-Netract.xml
1433 $(sparc_ONLY)hardlink \
1434   path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-60.xml \
1435   target=platform_SUNW,UltraSPARC-IIi-Netract.xml
1436 hardlink path=sbin/rc5 target=../sbin/rc0
1437 hardlink path=sbin/rc6 target=../sbin/rc0
1438 hardlink path=usr/bin/$(ARCH32)/encrypt target=decrypt
1439 hardlink path=usr/bin/$(ARCH32)/ksh target=ksh93
1440 hardlink path=usr/bin/$(ARCH32)/mac target=digest

```

```

1441 hardlink path=usr/bin/$(ARCH32)/rksh target=ksh93
1442 hardlink path=usr/bin/$(ARCH32)/rksh93 target=ksh93
1443 $(i386_ONLY)hardlink path=usr/bin/$(ARCH32)/w target=uptime
1444 hardlink path=usr/bin/$(ARCH64)/encrypt target=decrypt
1445 hardlink path=usr/bin/$(ARCH64)/ksh target=ksh93
1446 hardlink path=usr/bin/$(ARCH64)/mac target=digest
1447 hardlink path=usr/bin/$(ARCH64)/rksh target=ksh93
1448 hardlink path=usr/bin/$(ARCH64)/rksh93 target=ksh93
1449 hardlink path=usr/bin/$(ARCH64)/w target=uptime
1450 hardlink path=usr/bin/bg target=../usr/bin/alias
1451 hardlink path=usr/bin/cd target=../usr/bin/alias
1452 hardlink path=usr/bin/cksum target=../usr/bin/alias
1453 hardlink path=usr/bin/cmp target=../usr/bin/alias
1454 hardlink path=usr/bin/comm target=../usr/bin/alias
1455 hardlink path=usr/bin/command target=../usr/bin/alias
1456 hardlink path=usr/bin/cut target=../usr/bin/alias
1457 hardlink path=usr/bin/decrypt target=../usr/lib/isaexec
1458 hardlink path=usr/bin/digest target=../usr/lib/isaexec
1459 hardlink path=usr/bin/dispgid target=../usr/bin/ckgid
1460 hardlink path=usr/bin/dispuid target=../usr/bin/ckuid
1461 hardlink path=usr/bin/edit target=../has/bin/edit
1462 hardlink path=usr/bin/egrep target=../usr/bin/grep
1463 hardlink path=usr/bin/encrypt target=../usr/lib/isaexec
1464 hardlink path=usr/bin/fc target=../usr/bin/alias
1465 hardlink path=usr/bin/fg target=../usr/bin/alias
1466 hardlink path=usr/bin/fgrep target=../usr/bin/grep
1467 hardlink path=usr/bin/getopts target=../usr/bin/alias
1468 hardlink path=usr/bin/hash target=../usr/bin/alias
1469 hardlink path=usr/bin/jobs target=../usr/bin/alias
1470 hardlink path=usr/bin/join target=../usr/bin/alias
1471 hardlink path=usr/bin/kill target=../usr/bin/alias
1472 hardlink path=usr/bin/ksh target=../usr/lib/isaexec
1473 hardlink path=usr/bin/ksh93 target=../usr/lib/isaexec
1474 hardlink path=usr/bin/ln target=../usr/bin/cp
1475 hardlink path=usr/bin/logname target=../usr/bin/alias
1476 hardlink path=usr/bin/mac target=../usr/lib/isaexec
1477 hardlink path=usr/bin/mv target=../usr/bin/cp
1478 hardlink path=usr/bin/newtask target=../usr/lib/isaexec
1479 hardlink path=usr/bin/nohup target=../usr/lib/isaexec
1480 hardlink path=usr/bin/page target=../usr/bin/more
1481 hardlink path=usr/bin/paste target=../usr/bin/alias
1482 hardlink path=usr/bin/pfbash target=../usr/bin/pfexec
1483 hardlink path=usr/bin/pfcsh target=../usr/bin/pfexec
1484 hardlink path=usr/bin/pfksh target=../usr/bin/pfexec
1485 hardlink path=usr/bin/pfksh93 target=../usr/bin/pfexec
1486 hardlink path=usr/bin/pfrksh target=../usr/bin/pfexec
1487 hardlink path=usr/bin/pfrksh93 target=../usr/bin/pfexec
1488 hardlink path=usr/bin/pfsh target=../usr/bin/pfexec
1489 hardlink path=usr/bin/pftcsh target=../usr/bin/pfexec
1490 hardlink path=usr/bin/pfzsh target=../usr/bin/pfexec
1491 hardlink path=usr/bin/pkill target=../usr/bin/pgrep
1492 hardlink path=usr/bin/prctl target=../usr/lib/isaexec
1493 hardlink path=usr/bin/print target=../usr/bin/alias
1494 hardlink path=usr/bin/prstat target=../usr/lib/isaexec
1495 hardlink path=usr/bin/ps target=../usr/lib/isaexec
1496 hardlink path=usr/bin/read target=../usr/bin/alias
1497 hardlink path=usr/bin/red target=../usr/bin/ed
1498 hardlink path=usr/bin/rev target=../usr/bin/alias
1499 hardlink path=usr/bin/rksh target=../usr/lib/isaexec
1500 hardlink path=usr/bin/rksh93 target=../usr/lib/isaexec
1501 hardlink path=usr/bin/savecore target=../usr/lib/isaexec
1502 hardlink path=usr/bin/setuname target=../usr/lib/isaexec
1503 hardlink path=usr/bin/sleep target=../usr/bin/alias
1504 hardlink path=usr/bin/sum target=../usr/bin/alias
1505 hardlink path=usr/bin/tee target=../usr/bin/alias
1506 hardlink path=usr/bin/test target=../usr/bin/alias

```

```

1507 hardlink path=usr/bin/touch target=../usr/bin/settime
1508 hardlink path=usr/bin/type target=../usr/bin/alias
1509 hardlink path=usr/bin/ulimit target=../usr/bin/alias
1510 hardlink path=usr/bin/umask target=../usr/bin/alias
1511 hardlink path=usr/bin/unalias target=../usr/bin/alias
1512 hardlink path=usr/bin/uniq target=../usr/bin/alias
1513 hardlink path=usr/bin/uptime target=../usr/lib/isaexec
1514 hardlink path=usr/bin/vedit target=../has/bin/edit
1515 hardlink path=usr/bin/w target=../usr/lib/isaexec
1516 hardlink path=usr/bin/wait target=../usr/bin/alias
1517 hardlink path=usr/bin/wc target=../usr/bin/alias
1518 hardlink path=usr/has/bin/ex target=edit
1519 hardlink path=usr/has/bin/pfsh target=../bin/pfexec
1520 hardlink path=usr/has/bin/vedit target=edit
1521 hardlink path=usr/has/bin/vi target=edit
1522 hardlink path=usr/has/bin/view target=edit
1523 hardlink path=usr/lib/fs/hfs/fstyp target=../sbin/fstyp
1524 hardlink path=usr/lib/fs/ufs/dcopy target=../usr/lib/fs/ufs/clri
1525 hardlink path=usr/lib/fs/ufs/fstyp target=../sbin/fstyp
1526 hardlink path=usr/lib/fs/ufs/quotao \
1527 target=../usr/lib/fs/ufs/quotaooff
1528 hardlink path=usr/lib/inet/in.iked target=../usr/lib/isaexec
1529 hardlink path=usr/sadm/bin/dispgid target=../usr/bin/ckgid
1530 hardlink path=usr/sadm/bin/dispuid target=../usr/bin/ckuid
1531 hardlink path=usr/sadm/bin/errange target=../usr/bin/ckrange
1532 hardlink path=usr/sadm/bin/errdate target=../usr/bin/ckdate
1533 hardlink path=usr/sadm/bin/errgid target=../usr/bin/ckgid
1534 hardlink path=usr/sadm/bin/errint target=../usr/bin/ckint
1535 hardlink path=usr/sadm/bin/erritem target=../usr/bin/ckitem
1536 hardlink path=usr/sadm/bin/errpath target=../usr/bin/ckpath
1537 hardlink path=usr/sadm/bin/errstr target=../usr/bin/ckstr
1538 hardlink path=usr/sadm/bin/errtime target=../usr/bin/cktime
1539 hardlink path=usr/sadm/bin/erruid target=../usr/bin/ckuid
1540 hardlink path=usr/sadm/bin/erryor target=../usr/bin/ckyor
1541 hardlink path=usr/sadm/bin/helpdate target=../usr/bin/ckdate
1542 hardlink path=usr/sadm/bin/helpgid target=../usr/bin/ckgid
1543 hardlink path=usr/sadm/bin/helpint target=../usr/bin/ckint
1544 hardlink path=usr/sadm/bin/helpitem target=../usr/bin/ckitem
1545 hardlink path=usr/sadm/bin/helppath target=../usr/bin/ckpath
1546 hardlink path=usr/sadm/bin/helpprange target=../usr/bin/ckrange
1547 hardlink path=usr/sadm/bin/helpstr target=../usr/bin/ckstr
1548 hardlink path=usr/sadm/bin/helptime target=../usr/bin/cktime
1549 hardlink path=usr/sadm/bin/helpuid target=../usr/bin/ckuid
1550 hardlink path=usr/sadm/bin/helpyor target=../usr/bin/ckyor
1551 hardlink path=usr/sadm/bin/valdate target=../usr/bin/ckdate
1552 hardlink path=usr/sadm/bin/valgid target=../usr/bin/ckgid
1553 hardlink path=usr/sadm/bin/valint target=../usr/bin/ckint
1554 hardlink path=usr/sadm/bin/valpath target=../usr/bin/ckpath
1555 hardlink path=usr/sadm/bin/valrange target=../usr/bin/ckrange
1556 hardlink path=usr/sadm/bin/valstr target=../usr/bin/ckstr
1557 hardlink path=usr/sadm/bin/valtime target=../usr/bin/cktime
1558 hardlink path=usr/sadm/bin/valuid target=../usr/bin/ckuid
1559 hardlink path=usr/sadm/bin/valyor target=../usr/bin/ckyor
1560 hardlink path=usr/sbin/audlinks target=../devfsadm
1561 hardlink path=usr/sbin/consadm target=../usr/sbin/consadm
1562 hardlink path=usr/sbin/deallocate target=../usr/sbin/allocate
1563 hardlink path=usr/sbin/devlinks target=../devfsadm
1564 hardlink path=usr/sbin/dfshares target=../usr/sbin/dfmounts
1565 hardlink path=usr/sbin/disks target=../devfsadm
1566 hardlink path=usr/sbin/drvconfig target=../devfsadm
1567 hardlink path=usr/sbin/list_devices target=../usr/sbin/allocate
1568 hardlink path=usr/sbin/mkdevmaps target=../usr/sbin/mkdevalloc
1569 hardlink path=usr/sbin/ports target=../devfsadm
1570 hardlink path=usr/sbin/poweroff target=../halt
1571 $(sparc_ONLY)hardlink path=usr/sbin/prtdiag target=../usr/lib/latex
1572 hardlink path=usr/sbin/reboot target=../halt

```

```

1573 hardlink path=usr/sbin/roleadd target=../usr/sbin/useradd
1574 hardlink path=usr/sbin/roledel target=../usr/sbin/userdel
1575 hardlink path=usr/sbin/rolemod target=../usr/sbin/usermod
1576 hardlink path=usr/sbin/share target=../usr/sbin/sharemgr
1577 hardlink path=usr/sbin/tapes target=./devfsadm
1578 hardlink path=usr/sbin/unshare target=../usr/sbin/sharemgr
1579 legacy pkg=SUNWcsr \
1580   desc="core software for a specific instruction-set architecture" \
1581   name="Core Solaris, (Root)"
1582 legacy pkg=SUNWcsu \
1583   desc="core software for a specific instruction-set architecture" \
1584   name="Core Solaris, (Usr)"
1585 legacy pkg=SUNWftpr desc="FTP Server Configuration Files" \
1586   name="FTP Server, (Root)"
1587 license cr_ATT license=cr_ATT
1588 license cr_Sun license=cr_Sun
1589 license lic_CDDL license=lic_CDDL
1590 license usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE \
1591   license=usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE
1592 license usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE \
1593   license=usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE
1594 license usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.arp \
1595   license=usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.arp
1596 license usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.route \
1597   license=usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.route
1598 license usr/src/cmd/cmd-inet/usr/sbin/ifconfig/THIRDPARTYLICENSE \
1599   license=usr/src/cmd/cmd-inet/usr/sbin/ifconfig/THIRDPARTYLICENSE
1600 license usr/src/cmd/cmd-inet/usr/sbin/traceroute/THIRDPARTYLICENSE \
1601   license=usr/src/cmd/cmd-inet/usr/sbin/traceroute/THIRDPARTYLICENSE
1602 license usr/src/cmd/cron/THIRDPARTYLICENSE \
1603   license=usr/src/cmd/cron/THIRDPARTYLICENSE
1604 license usr/src/cmd/csh/THIRDPARTYLICENSE \
1605   license=usr/src/cmd/csh/THIRDPARTYLICENSE
1606 license usr/src/cmd/eeprom/THIRDPARTYLICENSE \
1607   license=usr/src/cmd/eeprom/THIRDPARTYLICENSE
1608 license usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE \
1609   license=usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE
1610 license usr/src/cmd/mt/THIRDPARTYLICENSE \
1611   license=usr/src/cmd/mt/THIRDPARTYLICENSE
1612 license usr/src/cmd/script/THIRDPARTYLICENSE \
1613   license=usr/src/cmd/script/THIRDPARTYLICENSE
1614 license usr/src/cmd/sed/THIRDPARTYLICENSE \
1615   license=usr/src/cmd/sed/THIRDPARTYLICENSE
1616 license usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE \
1617   license=usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE
1618 license usr/src/cmd/tail/THIRDPARTYLICENSE \
1619   license=usr/src/cmd/tail/THIRDPARTYLICENSE
1620 license usr/src/cmd/tip/THIRDPARTYLICENSE \
1621   license=usr/src/cmd/tip/THIRDPARTYLICENSE
1622 license usr/src/cmd/tr/THIRDPARTYLICENSE \
1623   license=usr/src/cmd/tr/THIRDPARTYLICENSE
1624 license usr/src/cmd/vi/THIRDPARTYLICENSE \
1625   license=usr/src/cmd/vi/THIRDPARTYLICENSE
1626 license usr/src/cmd/which/THIRDPARTYLICENSE \
1627   license=usr/src/cmd/which/THIRDPARTYLICENSE
1628 license usr/src/cmd/xstr/THIRDPARTYLICENSE \
1629   license=usr/src/cmd/xstr/THIRDPARTYLICENSE
1630 license usr/src/common/bzip2/LICENSE license=usr/src/common/bzip2/LICENSE
1631 link path=bin target=./usr/bin
1632 link path=etc/TIMEZONE target=./default/init
1633 link path=etc/autopush target=./sbin/autopush
1634 link path=etc/cfgadm target=./usr/sbin/cfgadm
1635 link path=etc/clri target=./usr/sbin/clri
1636 link path=etc/cron target=./usr/sbin/cron
1637 link path=etc/dcopy target=./usr/sbin/dcopy
1638 link path=etc/ff target=./usr/sbin/ff

```

```

1639 link path=etc/fmthard target=./usr/sbin/fmthard
1640 link path=etc/format target=./usr/sbin/format
1641 link path=etc/fsck target=./usr/sbin/fsck
1642 link path=etc/fsdb target=./usr/sbin/fsdb
1643 link path=etc/fstyp target=./usr/sbin/fstyp
1644 link path=etc/ftputers target=./ftpd/ftputers
1645 link path=etc/getty target=./usr/lib/saf/ttymon
1646 link path=etc/grpck target=./usr/sbin/grpck
1647 link path=etc/halt target=./usr/sbin/halt
1648 link path=etc/hosts target=./inet/hosts
1649 link path=etc/inet/ipnodes target=./hosts
1650 link path=etc/inetd.conf target=./inet/inetd.conf
1651 link path=etc/init target=./sbin/init
1652 link path=etc/install target=./usr/sbin/install
1653 link path=etc/killall target=./usr/sbin/killall
1654 link path=etc/labelit target=./usr/sbin/labelit
1655 link path=etc/lib/ld.so.1 target=../lib/ld.so.1
1656 link path=etc/lib/libld.so.1 target=../lib/libld.so.1
1657 link path=etc/lib/nss_files.so.1 target=../lib/nss_files.so.1
1658 link path=etc/log target=./var/adm/log
1659 link path=etc/mkfs target=./usr/sbin/mkfs
1660 link path=etc/mknod target=./usr/sbin/mknod
1661 link path=etc/mount target=./sbin/mount
1662 link path=etc/mountall target=./sbin/mountall
1663 link path=etc/ncheck target=./usr/sbin/ncheck
1664 link path=etc/netmasks target=./inet/netmasks
1665 link path=etc/networks target=./inet/networks
1666 link path=etc/protocols target=./inet/protocols
1667 link path=etc/prtconf target=./usr/sbin/prtconf
1668 link path=etc/prtvtoe target=./usr/sbin/prtvtoe
1669 link path=etc/rc0 target=./sbin/rc0
1670 link path=etc/rc1 target=./sbin/rc1
1671 link path=etc/rc2 target=./sbin/rc2
1672 link path=etc/rc3 target=./sbin/rc3
1673 link path=etc/rc5 target=./sbin/rc5
1674 link path=etc/rc6 target=./sbin/rc6
1675 link path=etc/rcS target=./sbin/rcS
1676 link path=etc/reboot target=./usr/sbin/halt
1677 link path=etc/security/audit/localhost/files target=../var/audit
1678 link path=etc/services target=./inet/services
1679 link path=etc/setmnt target=./usr/sbin/setmnt
1680 link path=etc/shutdown target=./usr/sbin/shutdown
1681 link path=etc/sulogin target=./sbin/sulogin
1682 link path=etc/swap target=./usr/sbin/swap
1683 link path=etc/swapadd target=./sbin/swapadd
1684 link path=etc/sysdef target=./usr/sbin/sysdef
1685 link path=etc/tar target=./usr/sbin/tar
1686 link path=etc/telinit target=./sbin/init
1687 link path=etc/uadmin target=./sbin/uadmin
1688 link path=etc/umount target=./sbin/umount
1689 link path=etc/umountall target=./sbin/umountall
1690 link path=etc/utmpx target=./var/adm/utmpx
1691 link path=etc/volcopy target=./usr/sbin/volcopy
1692 link path=etc/wall target=./usr/sbin/wall
1693 link path=etc/whodo target=./usr/sbin/whodo
1694 link path=etc/wtmpx target=./var/adm/wtmpx
1695 link path=sbin/in.mpathd target=./lib/inet/in.mpathd
1696 link path=sbin/jsh target=./usr/bin/ksh93
1697 link path=sbin/pfsh target=./usr/bin/pfexec
1698 link path=sbin/sh target=./usr/bin/$(ARCH32)/ksh93
1699 link path=sbin/su target=./usr/bin/su
1700 link path=usr/adm target=./var/adm
1701 link path=usr/bin/df target=./sbin/df
1702 link path=usr/bin/jsh target=ksh93
1703 link path=usr/bin/pwconv target=./sbin/pwconv
1704 link path=usr/bin/rmail target=./mail

```

```

1705 link path=usr/bin/sh target=$(ARCH32)/ksh93
1706 link path=usr/bin/strclean target=../sbin/strclean
1707 link path=usr/bin/strerr target=../sbin/strerr
1708 link path=usr/bin/sync target=../sbin/sync
1709 link path=usr/bin/tar target=../sbin/tar
1710 link path=usr/bin/uname target=../sbin/uname
1711 link path=usr/ccs/bin/m4 target=../bin/m4
1712 link path=usr/has/bin/jsh target=sh
1713 link path=usr/has/lib/rsh target=../bin/sh
1714 link path=usr/lib/$(ARCH64)/ld.so.1 target=../lib/$(ARCH64)/ld.so.1
1715 link path=usr/lib/cron target=../etc/cron.d
1716 link path=usr/lib/devfsadm/devfsadmd target=../sbin/devfsadm
1717 link path=usr/lib/embedded_su target=../bin/su
1718 link path=usr/lib/fs/dev/mount target=../etc/fs/dev/mount
1719 link path=usr/lib/fs/hsfs/mount target=../etc/fs/hsfs/mount
1720 link path=usr/lib/fs/ufs/mount target=../etc/fs/ufs/mount
1721 link path=usr/lib/inet/in.mpathd target=../lib/inet/in.mpathd
1722 link path=usr/lib/ld.so.1 target=../lib/ld.so.1
1723 link path=usr/lib/locale/POSIX target=../C
1724 link path=usr/lib/rsh target=../bin/ksh93
1725 link path=usr/lib/secure/32 target=..
1726 link path=usr/lib/secure/64 target=$(ARCH64)
1727 link path=usr/mail target=../var/mail
1728 link path=usr/net/nls/listen target=../lib/saf/listen
1729 link path=usr/net/nls/nlps_server target=../lib/saf/nlps_server
1730 link path=usr/news target=../var/news
1731 link path=usr/preserve target=../var/preserve
1732 link path=usr/pub target=../share/lib/pub
1733 link path=usr/sbin/autopush target=../sbin/autopush
1734 link path=usr/sbin/bootadm target=../sbin/bootadm
1735 link path=usr/sbin/cryptoadm target=../sbin/cryptoadm
1736 link path=usr/sbin/dcopy target=../clri
1737 link path=usr/sbin/devnm target=../df
1738 link path=usr/sbin/dladm target=../sbin/dladm
1739 link path=usr/sbin/dlstat target=../sbin/dlstat
1740 link path=usr/sbin/edquota target=../lib/fs/ufs/edquota
1741 link path=usr/sbin/fdisk target=../sbin/fdisk
1742 link path=usr/sbin/fiocompress target=../sbin/fiocompress
1743 link path=usr/sbin/flowadm target=../sbin/flowadm
1744 link path=usr/sbin/flowstat target=../sbin/flowstat
1745 link path=usr/sbin/fsdb target=../clri
1746 link path=usr/sbin/fsirand target=../lib/fs/ufs/fsirand
1747 link path=usr/sbin/fssnap target=../clri
1748 link path=usr/sbin/hostconfig target=../sbin/hostconfig
1749 link path=usr/sbin/ifconfig target=../sbin/ifconfig
1750 link path=usr/sbin/inetd target=../lib/inet/inetd
1751 link path=usr/sbin/init target=../sbin/init
1752 $(i386_ONLY)link path=usr/sbin/installgrub target=../sbin/installgrub
1753 link path=usr/sbin/ipadm target=../sbin/ipadm
1754 link path=usr/sbin/impstat target=../sbin/impstat
1755 link path=usr/sbin/labelit target=../clri
1756 link path=usr/sbin/lockfs target=../lib/fs/ufs/lockfs
1757 link path=usr/sbin/mkfs target=../clri
1758 link path=usr/sbin/mount target=../sbin/mount
1759 link path=usr/sbin/ncheck target=../ff
1760 link path=usr/sbin/newfs target=../lib/fs/ufs/newfs
1761 link path=usr/sbin/quot target=../lib/fs/ufs/quot
1762 link path=usr/sbin/quota target=../lib/fs/ufs/quota
1763 link path=usr/sbin/quotacheck target=../lib/fs/ufs/quotacheck
1764 link path=usr/sbin/quotaoff target=../lib/fs/ufs/quotaoff
1765 link path=usr/sbin/quotaoon target=../lib/fs/ufs/quotaoon
1766 link path=usr/sbin/repquota target=../lib/fs/ufs/repquota
1767 link path=usr/sbin/route target=../sbin/route
1768 link path=usr/sbin/routeadm target=../sbin/routeadm
1769 link path=usr/sbin/sync target=../sbin/sync
1770 link path=usr/sbin/tunefs target=../lib/fs/ufs/tunefs

```

```

1771 link path=usr/sbin/tzreload target=../sbin/tzreload
1772 link path=usr/sbin/uadmin target=../sbin/uadmin
1773 link path=usr/sbin/ufsdump target=../lib/fs/ufs/ufsdump
1774 link path=usr/sbin/ufsrestore target=../lib/fs/ufs/ufsrestore
1775 link path=usr/sbin/umount target=../sbin/umount
1776 link path=usr/spool target=../var/spool
1777 link path=usr/src target=../share/src
1778 link path=usr/tmp target=../var/tmp
1779 link path=var/ld/32 target=..
1780 link path=var/ld/64 target=$(ARCH64)
1781 #
1782 # The bootadm binary needs the etc/release file.
1783 #
1784 depend fmri=release/name type=require
1785 #
1786 # intrd and others use the illumos-defaulted perl interpreter
1787 #
1788 depend fmri=runtime/perl$(PERL_PKGVERS) type=require
1789 #
1790 # intrd uses sun-solaris Perl modules
1791 #
1792 depend fmri=runtime/perl$(PERL_PKGVERS)/module/sun-solaris type=require
1793 #
1794 # The boot loader package
1795 #
1796 depend fmri=system/boot/loader type=require
1797 #
1798 # The System Console fonts
1799 depend fmri=system/data/console/fonts type=require
1800 #
1801 # The loadkeys binary needs the keytables.
1802 #
1803 depend fmri=system/data/keyboard/keytables type=require
1804 #
1805 # Depend on terminfo data.
1806 #
1807 depend fmri=system/data/terminfo type=require
1808 #
1809 # Depend on zoneinfo data.
1810 #
1811 depend fmri=system/data/zoneinfo type=require
1812 #
1813 # The mailx binary calls /usr/lib/sendmail provided by mailwrapper
1814 #
1815 depend fmri=system/network/mailwrapper type=require

```

```

*****
74322 Sun Dec 23 06:46:55 2018
new/usr/src/uts/common/os/modsysfile.c
9696 add /etc/system.d support
Reviewed by: Dan Fields <dan.fields@nexenta.com>
Reviewed by: Roman Strashkin <roman.strashkin@nexenta.com>
Reviewed by: Cynthia Eastham <cynthia.eastham@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Peter Tribble <peter.tribble@gmail.com>
Reviewed by: Andy Fiddaman <andy@omniosce.org>
*****
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 */

22 /*
23 * Copyright 2008 Sun Microsystems, Inc. All rights reserved.
24 * Use is subject to license terms.
25 * Copyright 2017 Nexenta Systems, Inc.
26 * Copyright 2016 Nexenta Systems, Inc.
27 */

28 #include <sys/types.h>
29 #include <sys/inttypes.h>
30 #include <sys/param.h>
31 #include <sys/system.h>
32 #include <sys/user.h>
33 #include <sys/disp.h>
34 #include <sys/conf.h>
35 #include <sys/bootconf.h>
36 #include <sys/sysconf.h>
37 #include <sys/sunddi.h>
38 #include <sys/esunddi.h>
39 #include <sys/ddi_impldefs.h>
40 #include <sys/kmem.h>
41 #include <sys/vmem.h>
42 #include <sys/fs/ufs_fsdire.h>
43 #include <sys/hwconf.h>
44 #include <sys/modctl.h>
45 #include <sys/cmn_err.h>
46 #include <sys/kobj.h>
47 #include <sys/kobj_lex.h>
48 #include <sys/errno.h>
49 #include <sys/debug.h>
50 #include <sys/autoconf.h>
51 #include <sys/callb.h>
52 #include <sys/sysmacros.h>
53 #include <sys/dacf.h>
54 #include <vm/seg_kmem.h>

```

```

56 struct hwc_class *hcl_head; /* head of list of classes */
57 static kmutex_t hcl_lock; /* for accessing list of classes */

59 #define DAFILE "/etc/driver_aliases"
60 #define CLASSFILE "/etc/driver_classes"
61 #define DACFFILE "/etc/dacf.conf"

63 static char class_file[] = CLASSFILE;
64 static char dafile[] = DAFILE;
65 static char dacffile[] = DACFFILE;

67 char *self_assembly = "/etc/system.d/.self-assembly";
68 char *systemfile = "/etc/system"; /* name of ascii system file */

70 static struct sysparam *sysparam_hd; /* head of parameters list */
71 static struct sysparam *sysparam_tl; /* tail of parameters list */
72 static vmem_t *mod_sysfile_arena; /* parser memory */

74 char obp_bootpath[BO_MAXOBJNAME]; /* bootpath from obp */

76 #if defined(_PSM_MODULES)

78 struct psm_mach {
79     struct psm_mach *m_next;
80     char *m_machname;
81 };
unchanged_portion_omitted

755 static void
756 read_system_file(char *name)
757 void
758 mod_read_system_file(int ask)
759 {
760     register struct sysparam *sp;
761     register struct _buf *file;
762     register token_t token, last_tok;
763     char tokval[MAXLINESIZE];

764     if ((file = kobj_open_file(name)) ==
765         mod_sysfile_arena = vmem_create("mod_sysfile", NULL, 0, 8,
766             segkmem_alloc, segkmem_free, heap_arena, 0, VM_SLEEP);

767     if (ask)
768         mod_askparams();

769     if (systemfile != NULL) {
770         if ((file = kobj_open_file(systemfile)) ==
771             (struct _buf *)-1) {
772             if (strcmp(name, systemfile) == 0)
773                 cmn_err(CE_WARN, "cannot open system file: %s",
774                     name);
775             systemfile);
776         } else {
777             if (sysparam_tl == NULL)
778                 sysparam_tl = (struct sysparam *)&sysparam_hd;

779             last_tok = NEWLINE;
780             while ((token = kobj_lex(file, tokval,
781                 sizeof(tokval))) != EOF) {
782                 switch (token) {
783                     case STAR:
784                     case POUND:
785                         /*
786                          * Skip comments.

```

```

780     */
781     kobj_find_eol(file);
782     break;
783     case NEWLINE:
784         kobj_newline(file);
785         last_tok = NEWLINE;
786         break;
787     case NAME:
788         if (last_tok != NEWLINE) {
789             kobj_file_err(CE_WARN, file,
790                 extra_err, tokval);
791             kobj_find_eol(file);
792         } else if ((sp = do_sysfile_cmd(file,
793             tokval)) != NULL) {
794             sp->sys_next = NULL;
795             sysparam_tl->sys_next = sp;
796             sysparam_tl = sp;
797         }
798         last_tok = NAME;
799         break;
800     default:
801         kobj_file_err(CE_WARN,
802             file, tok_err, tokval);
803         kobj_find_eol(file);
804         break;
805     }
806 }
807 kobj_close_file(file);
808 }
809 }
814 }

```

```

811 void
812 mod_read_system_file(int ask)
813 {
814     mod_sysfile_arena = vmem_create("mod_sysfile", NULL, 0, 8,
815         segkmem_alloc, segkmem_free, heap_arena, 0, VM_SLEEP);
817     if (ask)
818         mod_askparams();
820     /*
821     * Read the user self-assembly file first
822     * to preserve existing system settings.
823     */
824     if (self_assembly != NULL)
825         read_system_file(self_assembly);
827     if (systemfile != NULL)
828         read_system_file(systemfile);
830     /*
831     * Sanity check of /etc/system.
832     */
833     check_system_file();
835     param_preset();
836     (void) mod_sysctl(SYS_SET_KVAR, NULL);
837     param_check();
839     if (ask == 0)
840         setparams();
841 }

```

unchanged portion omitted