

new/usr/src/Makefile.lint

1

```
*****
8719 Mon Sep 22 12:11:16 2014
new/usr/src/Makefile.lint
5166 sendmail package should be replaceable
*****
1 #
2 # CDDL HEADER START
3 #
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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
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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 # Copyright (c) 2003, 2010, Oracle and/or its affiliates. All rights reserved.
23 # Copyright (c) 2012 by Delphix. All rights reserved.
25 # include global definitions
26 include Makefile.master
28 #
29 # As pieces are made lint-clean, add them here so the nightly build
30 # can be used to keep them that way.
31 #
32 COMMON_SUBDIRS = \
33     cmd/acctadm \
34     cmd/asa \
35     cmd/amt \
36     cmd/audio/audiocctl \
37     cmd/audio/audiotest \
38     cmd/audit \
39     cmd/auditconfig \
40     cmd/auditd \
41     cmd/auditreduce \
42     cmd/auditstat \
43     cmd/auths \
44     cmd/autopush \
45     cmd/availdevs \
46     cmd/avs \
47     cmd/awk \
48     cmd/banner \
49     cmd/bart \
50     cmd/basename \
51     cmd/bdiff \
52     cmd/bfs \
53     cmd/busstat \
54     cmd/boot \
55     cmd/cal \
56     cmd/captoinfo \
57     cmd/cat \
58     cmd/cdrw \
59     cmd/cfgadm \
60     cmd/checkeq \
61     cmd/checknr \
```

new/usr/src/Makefile.lint

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```
62     cmd/chgrp \
63     cmd/chmod \
64     cmd/chown \
65     cmd/chroot \
66     cmd/clinfo \
67     cmd/cmd-crypto \
68     cmd/cmd-inet/lib \
69     cmd/cmd-inet/lib/netcfgd \
70     cmd/cmd-inet/lib/nwamd \
71     cmd/cmd-inet/sbin \
72     cmd/cmd-inet/usr.bin \
73     cmd/cmd-inet/usr.lib/bridged \
74     cmd/cmd-inet/usr.lib/dsvclockd \
75     cmd/cmd-inet/usr.lib/ilbd \
76     cmd/cmd-inet/usr.lib/in.dhcpd \
77     cmd/cmd-inet/usr.lib/in.mpathd \
78     cmd/cmd-inet/usr.lib/in.ndpd \
79     cmd/cmd-inet/usr.lib/inetd \
80     cmd/cmd-inet/usr.lib/pppoe \
81     cmd/cmd-inet/usr.lib/slpd \
82     cmd/cmd-inet/usr.lib/vrrpd \
83     cmd/cmd-inet/usr.lib/wpad \
84     cmd/cmd-inet/usr.lib/wanboot \
85     cmd/cmd-inet/usr.sadm \
86     cmd/cmd-inet/usr.sbin \
87     cmd/cmd-inet/usr.sbin/ilbadm \
88     cmd/cmd-inet/usr.sbin/nwamadm \
89     cmd/cmd-inet/usr.sbin/nwamcfg \
90     cmd/col \
91     cmd/compress \
92     cmd/consadm \
93     cmd/coreadm \
94     cmd/cpc \
95     cmd/cpio \
96     cmd/crypt \
97     cmd/csplit \
98     cmd/ctrun \
99     cmd/ctstat \
100    cmd/ctwatch \
101    cmd/date \
102    cmd/dd \
103    cmd/deroff \
104    cmd/devctl \
105    cmd/devfsadm \
106    cmd/devinfo \
107    cmd/devmgmt \
108    cmd/devprop \
109    cmd/dfs.cmds \
110    cmd/diff3 \
111    cmd/dis \
112    cmd/dirname \
113    cmd/diskscan \
114    cmd/dispadmin \
115    cmd/dladm \
116    cmd/dlmgmt \
117    cmd/dtrace \
118    cmd/du \
119    cmd/dumpadm \
120    cmd/dumpcs \
121    cmd/echo \
122    cmd/eject \
123    cmd/emul64ioctl \
124    cmd/env \
125    cmd/expand \
126    cmd/fcinfo \
127    cmd/fdetach \
```

new/usr/src/Makefile.lint

```

128 cmd/fdformat \
129 cmd/fdisk \
130 cmd/fgrep \
131 cmd/file \
132 cmd/find \
133 cmd/fmthard \
134 cmd/fmtmsg \
135 cmd/fold \
136 cmd/fm \
137 cmd/format \
138 cmd/fs.d/fd \
139 cmd/fs.d/lofs/mount \
140 cmd/fs.d/mntfs \
141 cmd/fs.d/pcfs/mount \
142 cmd/fs.d/proc \
143 cmd/fs.d/tmpfs \
144 cmd/fs.d/udfs/mount \
145 cmd/fs.d/ufs/mount \
146 cmd/fs.d/ufs/fsirand \
147 cmd/fs.d/zfs/fstyp \
148 cmd/fwflash \
149 cmd/fuser \
150 cmd/gcore \
151 cmd/genmsg \
152 cmd/getconf \
153 cmd/getdevpolicy \
154 cmd/getfacl \
155 cmd/getopt \
156 cmd/gettext \
157 cmd/grep \
158 cmd/grep_xpg4 \
159 cmd/groups \
160 cmd/halt \
161 cmd/head \
162 cmd/hostid \
163 cmd/hostname \
164 cmd/hotplug \
165 cmd/hotplugd \
166 cmd/idmap \
167 cmd/init \
168 cmd/intrstat \
169 cmd/ipcrm \
170 cmd/ipcs \
171 cmd/isaexec \
172 cmd/isalist \
173 cmd/iscsiadm \
174 cmd/iscsid \
175 cmd/iscsitsvc \
176 cmd/isns \
177 cmd/itadm \
178 cmd/kbd \
179 cmd/killall \
180 cmd/ldap \
181 cmd/last \
182 cmd/lastcomm \
183 cmd/ldapcachemgr \
184 cmd/line \
185 cmd/link \
186 cmd/locator \
187 cmd/localedef \
188 cmd/lockstat \
189 cmd/lofiadm \
190 cmd/logadm \
191 cmd/logger \
192 cmd/login \
193 cmd/logins \

```

3

new/usr/src/Makefile.lint

```

194 cmd/ls \
195 cmd/luxadm \
196 cmd/lvm \
197 cmd/machid \
198 cmd/mailwrapper \
199 #endif /* ! codereview */
200 cmd/makekey \
201 cmd/mdb \
202 cmd/mesg \
203 cmd/mkdir \
204 cmd/mkfifo \
205 cmd/mkfile \
206 cmd/mkmsgs \
207 cmd/mknod \
208 cmd/mpathadm \
209 cmd/modload \
210 cmd/msgfmt \
211 cmd/msgid \
212 cmd/mt \
213 cmd/mv \
214 cmd/ndmpadm \
215 cmd/ndmpd \
216 cmd/ndmpstat \
217 cmd/newform \
218 cmd/newgrp \
219 cmd/newtask \
220 cmd/nice \
221 cmd/nl \
222 cmd/nohup \
223 cmd/nscd \
224 cmd/od \
225 cmd/pagesize \
226 cmd/passwd \
227 cmd/pathchk \
228 cmd/pbind \
229 cmd/pcidr \
230 cmd/pcitool \
231 cmd/pfexec \
232 cmd/pgrep \
233 cmd/picl/picld \
234 cmd/picl/prtpicl \
235 cmd/plockstat \
236 cmd/pools \
237 cmd/power \
238 cmd/powertop \
239 cmd/printf \
240 cmd/latencytop \
241 cmd/ppgsz \
242 cmd/praudit \
243 cmd/prctl \
244 cmd/priocntl \
245 cmd/profiles \
246 cmd/prstat \
247 cmd/prtconf \
248 cmd/prtdiag \
249 cmd/prvtoc \
250 cmd/ps \
251 cmd/psradm \
252 cmd/psrinfo \
253 cmd/psrset \
254 cmd/ptools \
255 cmd/pwck \
256 cmd/pwconv \
257 cmd/ramdiskadm \
258 cmd/raidctl \
259 cmd/rcap \

```

4

```

260 cmd/rcm_daemon \
261 cmd/rctladm \
262 cmd/renice \
263 cmd/rm \
264 cmd/rmdir \
265 cmd/rmformat \
266 cmd/rmt \
267 cmd/roles \
268 cmd/rpcgen \
269 cmd/rpcsvc/rpc.bootparamd \
270 cmd/runat \
271 cmd/savecore \
272 cmd/sbdadm \
273 cmd/sdpadm \
274 cmd/sed \
275 cmd/setpgrp \
276 cmd/smbios \
277 cmd/sgs \
278 cmd/smsrv \
279 cmd/smsserverd \
280 cmd/sort \
281 cmd/split \
282 cmd/srptadm \
283 cmd/srptsvc \
284 cmd/ssh \
285 cmd/stat \
286 cmd/stmfadm \
287 cmd/stmfsvc \
288 cmd/stmsboot \
289 cmd/streams/strcmd \
290 cmd/strings \
291 cmd/su \
292 cmd/sulogin \
293 cmd/svc \
294 cmd/swap \
295 cmd/sync \
296 cmd/syseventadm \
297 cmd/syseventd \
298 cmd/syslogd \
299 cmd/tabs \
300 cmd/tail \
301 cmd/th_tools \
302 cmd/tip \
303 cmd/touch \
304 cmd/tr \
305 cmd/truss \
306 cmd/tty \
307 cmd/tzreload \
308 cmd/uadmin \
309 cmd/ul \
310 cmd/userattr \
311 cmd/users \
312 cmd/utmp_update \
313 cmd/utmpd \
314 cmd/valtools \
315 cmd/vrrpadm \
316 cmd/vt \
317 cmd/wall \
318 cmd/who \
319 cmd/whodo \
320 cmd/wracct \
321 cmd/wusbadm \
322 cmd/xargs \
323 cmd/xstr \
324 cmd/yes \
325 cmd/yppasswd \

```

```

326 cmd/zdb \
327 cmd/zdump \
328 cmd/zfs \
329 cmd/zhack \
330 cmd/zinject \
331 cmd/zlogin \
332 cmd/zoneadm \
333 cmd/zoneadm \
334 cmd/zonecfg \
335 cmd/zonename \
336 cmd/zpool \
337 cmd/zlook \
338 cmd/ztest \
339 lib/abi \
340 lib/auditd_plugins \
341 lib/libbe \
342 lib/pylibbe \
343 lib/brand/sni \
344 lib/brand/solaris10 \
345 lib/crypt_modules \
346 lib/extendedFILE \
347 lib/libadm \
348 lib/libadutils \
349 lib/libadt_jni \
350 lib/libaio \
351 lib/libavl \
352 lib/libbrand \
353 lib/libbsdmalloc \
354 lib/libbsm \
355 lib/libc \
356 lib/libc_db \
357 lib/libcfdadm \
358 lib/libcmdutils \
359 lib/libcommutil \
360 lib/libcontract \
361 lib/libcryptoutil \
362 lib/libctf \
363 lib/libdevice \
364 lib/libdevvid \
365 lib/libdevinfo \
366 lib/libdhcagent \
367 lib/libdhcpcdu \
368 lib/libdhcpsvc \
369 lib/libdhcputil \
370 lib/libdisasm \
371 lib/libdiskmgt \
372 lib/libdladm \
373 lib/libdlpi \
374 lib/libdoor \
375 lib/libdscfg \
376 lib/libdtrace \
377 lib/libefi \
378 lib/libelfsign \
379 lib/libexacct \
380 lib/libfcoe \
381 lib/libgen \
382 lib/libgrubmgt \
383 lib/libgss \
384 lib/libhotplug \
385 lib/libidmap \
386 lib/libilb \
387 lib/libinetsvc \
388 lib/libinetutil \
389 lib/libinstzones \
390 lib/libipadm \
391 lib/libipmi \

```

```

392 lib/libbipmp \
393 lib/libbipp \
394 lib/libbipsecutil \
395 lib/libiscsit \
396 lib/libkmf \
397 lib/libkstat \
398 lib/liblgrp \
399 lib/liblml \
400 lib/libmalloc \
401 lib/libmapmalloc \
402 lib/libmapid \
403 lib/libmd \
404 lib/libmp \
405 lib/libmtmalloc \
406 lib/libndmp \
407 lib/libnsctl \
408 lib/libnsl \
409 lib/libnvpair \
410 lib/libnwam \
411 lib/libpam \
412 lib/libpctx \
413 lib/libpicl \
414 lib/libpicltree \
415 lib/libpkg \
416 lib/libpool \
417 lib/libproc \
418 lib/libpthread \
419 lib/libraidcfg \
420 lib/librcm \
421 lib/librdc \
422 lib/libreparse \
423 lib/librestart \
424 lib/librstp \
425 lib/librt \
426 lib/libscf \
427 lib/libsec \
428 lib/libsecdb \
429 lib/libsendfile \
430 lib/libsip \
431 lib/libshare \
432 lib/libslldap \
433 lib/libslp \
434 lib/lib smbfs \
435 lib/lib smbios \
436 lib/lib smbmedia \
437 lib/lib srpt \
438 lib/lib stmf \
439 lib/lib sun_ima \
440 lib/lib sysevent \
441 lib/lib thread \
442 lib/lib tsnets \
443 lib/lib tsol \
444 lib/lib umem \
445 lib/lib unistat \
446 lib/lib uuid \
447 lib/lib uutil \
448 lib/lib vrrpadm \
449 lib/lib wanboot \
450 lib/lib wanbootutil \
451 lib/lib xnet \
452 lib/lib zfs \
453 lib/lib zfs_jni \
454 lib/lib zonecfg \
455 lib/lib zoneinfo \
456 lib/lvm \
457 lib/madv \

```

```

458 lib/mpss \
459 lib/nametoaddr \
460 lib/ncad_addr \
461 lib/nsswitch \
462 lib/pam_modules \
463 lib/passwdutil \
464 lib/pkcs11 \
465 lib/print \
466 lib/raidcfg_plugins \
467 lib/scsi \
468 lib/smbsrv \
469 lib/fm \
470 lib/udapl \
471 lib/watchmalloc \
472 psm \
473 test \
474 ucbscmd/basename \
475 ucbscmd/biff \
476 ucbscmd/echo \
477 ucbscmd/groups \
478 ucbscmd/mkstr \
479 ucbscmd/printenv \
480 ucbscmd/sum \
481 ucbscmd/test \
482 ucbscmd/users \
483 ucbscmd/whoami

485 i386_SUBDIRS= \
486 cmd/acpihpd \
487 cmd/biosdev \
488 cmd/rtc \
489 cmd/ucodeadm \
490 lib/cfgadm_plugins/sata \
491 lib/cfgadm_plugins/sbd \
492 lib/libfdisk

494 sparc_SUBDIRS= \
495 cmd/datadm \
496 cmd/dcs \
497 cmd/drd \
498 cmd/fruadm \
499 cmd/ldmad \
500 cmd/prtdscpl \
501 cmd/prtfu \
502 cmd/sckmd \
503 cmd/virtinfo \
504 cmd/vntsd \
505 lib/libds \
506 lib/libdscpl \
507 lib/libpri \
508 lib/libpcpl \
509 lib/libtsalarm \
510 lib/libvl2n \
511 lib/storage \
512 stand

514 LINTSUBDIRS= $(COMMON_SUBDIRS) $( $(MACH)_SUBDIRS)

516 .PARALLEL: $(LINTSUBDIRS)

518 lint: uts .WAIT subdirs

520 subdirs: $(LINTSUBDIRS)

522 uts $(LINTSUBDIRS): FRC
523 @cd $@; pwd; $(MAKE) lint

```

525 **FRC:**

```

*****
10878 Mon Sep 22 12:11:17 2014
new/usr/src/cmd/Makefile
5166 sendmail package should be replaceable
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
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11 # and limitations under the License.
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15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright (c) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
23 # Copyright 2010 Nexenta Systems, Inc. All rights reserved.
24 # Copyright (c) 2012 Joyent, Inc. All rights reserved.
25 # Copyright (c) 2012 by Delphix. All rights reserved.
26 # Copyright (c) 2013 DEY Storage Systems, Inc. All rights reserved.
27 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
28 #
29 include ../Makefile.master
30 #
31 #
32 # Note that the commands 'lp', and 'perl' are first in
33 # the list, violating alphabetical order. This is because they are very
34 # long-running and should be given the most wall-clock time for a
35 # parallel build.
36 #
37 # Commands in the FIRST_SUBDIRS list are built before starting the build
38 # of other commands. Currently this includes only 'isaexec' and
39 # 'platexec'. This is necessary because $(ROOT)/usr/lib/isaexec or
40 # $(ROOT)/usr/lib/platexec must exist when some other commands are built
41 # because their 'make install' creates a hard link to one of them.
42 #
43 # Commands are listed one per line so that TeamWare can auto-merge most
44 # changes.
45 #
46 #
47 FIRST_SUBDIRS= \
48 isaexec \
49 platexec
50 #
51 COMMON_SUBDIRS= \
52 allocate \
53 availdevs \
54 lp \
55 perl \
56 Adm \
57 abi \
58 adbgen \
59 acct \
60 acctadm \
61 arch

```

```

62 asa \
63 ast \
64 audio \
65 auths \
66 autopush \
67 avs \
68 awk \
69 awk_xpg4 \
70 backup \
71 banner \
72 bart \
73 basename \
74 bc \
75 bdiff \
76 beadm \
77 bfs \
78 bnu \
79 boot \
80 busstat \
81 cal \
82 calendar \
83 captinfo \
84 cat \
85 cdrw \
86 cfgadm \
87 checkeq \
88 checknr \
89 chgrp \
90 chmod \
91 chown \
92 chroot \
93 clear \
94 clinfo \
95 cmd-crypto \
96 cmd-inet \
97 col \
98 compress \
99 consadm \
100 coreadm \
101 cpio \
102 cpc \
103 cron \
104 crypt \
105 csh \
106 csplit \
107 ctrun \
108 ctstat \
109 ctwatch \
110 datadm \
111 date \
112 dc \
113 dd \
114 deroff \
115 devfsadm \
116 syseventd \
117 devctl \
118 devinfo \
119 devmgmt \
120 devprop \
121 dfs.cmds \
122 diff \
123 diff3 \
124 diffmk \
125 dircmp \
126 dirname \
127 dis \

```

new/usr/src/cmd/Makefile

```

128      diskmgtd  \
129      dispadmin \
130      dladm     \
131      dlstat    \
132      dmesg     \
133      dodatadm  \
134      dtrace    \
135      du        \
136      dumpadm   \
137      dumpcs    \
138      echo      \
139      ed        \
140      eeprom    \
141      egrep     \
142      eject     \
143      emul64ioct1 \
144      enhance   \
145      env       \
146      eqn       \
147      expand    \
148      expr      \
149      exstr     \
150      factor    \
151      false    \
152      fcinfo    \
153      fcoesvc   \
154      fdetach   \
155      fdformat  \
156      fdisk     \
157      filesync  \
158      fgrep     \
159      file      \
160      find      \
161      flowadm   \
162      flowstat  \
163      fm        \
164      fmt       \
165      fmthard   \
166      fmtmsg    \
167      fold     \
168      format    \
169      fs.d      \
170      fstyp     \
171      fuser     \
172      fwflash   \
173      gcore     \
174      gencat    \
175      geniconvtbl \
176      genmsg    \
177      getconf   \
178      getdevpolicy \
179      getent    \
180      getfacl   \
181      getmajor  \
182      getopt    \
183      gettext   \
184      gettxt    \
185      grep      \
186      grep_xpg4 \
187      groups    \
188      grpck     \
189      gss       \
190      hal       \
191      halt     \
192      head     \
193      hostid   \

```

3

new/usr/src/cmd/Makefile

```

194      hostname \
195      hotplug   \
196      hotplugd  \
197      hwdata    \
198      ibd_upgrade \
199      id        \
200      idmap     \
201      infocmp   \
202      init      \
203      initpkg   \
204      install.d \
205      intrd     \
206      intrstat  \
207      ipcrm     \
208      ipcs      \
209      ipdadm    \
210      ipf       \
211      isainfo   \
212      isalist   \
213      itutools  \
214      iscsiadm  \
215      iscsid    \
216      iscsitsvc \
217      isns      \
218      itadm     \
219      java      \
220      kbd       \
221      keyserve  \
222      killall   \
223      krb5      \
224      ksh       \
225      kvmstat   \
226      last      \
227      lastcomm  \
228      latencytop \
229      ldap      \
230      ldapcachemgr \
231      lgrpinfo  \
232      line      \
233      link      \
234      dlmgmt    \
235      listen    \
236      loadkeys  \
237      locale    \
238      localedef \
239      lockstat  \
240      locator   \
241      lofiadm   \
242      logadm    \
243      logger    \
244      login     \
245      logins    \
246      look      \
247      ls        \
248      luxadm    \
249      lvm       \
250      mach      \
251      machid    \
252      mail      \
253      mailwrapper \
254      #endif /* !codereview */ \
255      mailx     \
256      makekey   \
257      man       \
258      mandoc    \
259      mdb       \

```

4

```

260      msg          \
261      mkdir        \
262      mkfifo       \
263      mkfile       \
264      mkmsgs       \
265      mknod        \
266      mkpwdict     \
267      mktemp       \
268      modload      \
269      more         \
270      mpathadm     \
271      msgfmt       \
272      msgid        \
273      mt           \
274      mv           \
275      mvdir        \
276      ndmpadm     \
277      ndmpd        \
278      ndmpstat     \
279      netadm       \
280      netfiles     \
281      newform      \
282      newgrp       \
283      news         \
284      newtask      \
285      nice         \
286      nl           \
287      nlsadmin     \
288      nohup        \
289      nsadmin      \
290      nscd         \
291      oamuser      \
292      oawk         \
293      od           \
294      pack         \
295      pagesize     \
296      passmgmt     \
297      passwd       \
298      pathchk      \
299      pbind        \
300      pcidr        \
301      pcitool      \
302      pfexec       \
303      pfexecd      \
304      pginfo       \
305      pgstat       \
306      pgrep        \
307      picl         \
308      plimit       \
309      policykit    \
310      pools        \
311      power        \
312      powertop     \
313      ppgsz        \
314      pg           \
315      plockstat    \
316      pr           \
317      prctl        \
318      print        \
319      printf       \
320      priocntl     \
321      profiles     \
322      projadd      \
323      projects     \
324      prstat       \
325      prtconf      \

```

```

326      prtdiag     \
327      prtvtoc     \
328      ps          \
329      psradm      \
330      psrinfo     \
331      psrset      \
332      ptools      \
333      pwck        \
334      pwconv      \
335      pwd         \
336      pyzfs       \
337      raidctl     \
338      ramdiskadm  \
339      rcap        \
340      rcm_daemon  \
341      rctladm     \
342      refer       \
343      regcmp      \
344      renice      \
345      rexd        \
346      rm          \
347      rmdir       \
348      rmformat    \
349      rmmount     \
350      rmt         \
351      rmvolmgr    \
352      roles       \
353      rpcbind     \
354      rpcgen      \
355      rpcinfo     \
356      rpcsvc      \
357      runat       \
358      sa          \
359      saf         \
360      sasinfo     \
361      savecore    \
362      sbdadm      \
363      script      \
364      scsi        \
365      sdiff       \
366      sdpadm     \
367      sed         \
368      sendmail    \
369      setfacl     \
370      setmnt      \
371      setpgrp     \
372      setuname    \
373      sgs         \
374      sh          \
375      shcomp      \
376      smbios      \
377      smbstrv     \
378      smserverd   \
379      soelim      \
380      sort        \
381      spell       \
382      split       \
383      sqlite      \
384      srchtxt     \
385      srptadm     \
386      srptsvc     \
387      ssh         \
388      stat        \
389      stmfadm     \
390      stmfproxy   \
391      stmfsvc     \

```

```

392     stmsboot  \
393     streams  \
394     strings  \
395     su        \
396     sulogin  \
397     sunpc    \
398     svc      \
399     svr4pkg  \
400     swap     \
401     sync     \
402     sysdef   \
403     syseventadm \
404     syslogd  \
405     tabs     \
406     tail     \
407     tar      \
408     tbl      \
409     tcopy    \
410     tcpd     \
411     terminfo \
412     th_tools \
413     tic      \
414     time     \
415     tip      \
416     tnf      \
417     touch    \
418     tput     \
419     tr       \
420     trapstat \
421     troff    \
422     true     \
423     truss    \
424     tsol     \
425     tty      \
426     ttymon   \
427     tzreload \
428     uadmin   \
429     ul       \
430     uname    \
431     units    \
432     unlink   \
433     unpack   \
434     userattr \
435     users    \
436     utmp_update \
437     utmpd    \
438     valtools \
439     vgrind   \
440     vi       \
441     volcheck \
442     volrmmount \
443     vrrpadm  \
444     vscan    \
445     vt       \
446     w        \
447     wall     \
448     which    \
449     who      \
450     whodo    \
451     wracct   \
452     write    \
453     wusbadm  \
454     xargs    \
455     xstr     \
456     yes      \
457     ypcmd    \

```

```

458     yppasswd \
459     zdb      \
460     zdump    \
461     zfs      \
462     zhack    \
463     zic      \
464     zinject  \
465     zlogin   \
466     zoneadm  \
467     zoneadm  \
468     zonecfg  \
469     zonename \
470     zpool    \
471     zlook    \
472     zonestat \
473     zstreamdump \
474     ztest    \
475
476     i386_SUBDIRS= \
477     acpihp      \
478     addbadsec   \
479     biosdev     \
480     diskscan    \
481     lms         \
482     rtc         \
483     ucodeadm    \
484     xvm         \
485
486     sparc_SUBDIRS= \
487     cvcd         \
488     dcs         \
489     device_remap \
490     drd         \
491     fruadm      \
492     ldmad       \
493     oplhpd      \
494     prtddscp    \
495     prtfru      \
496     scadm       \
497     sckmd       \
498     sf880drd   \
499     virtinfo    \
500     vntsd      \
501
502     #
503     # Commands that are messaged. Note that 'lp' comes first
504     # (see previous comment about 'lp'.)
505     #
506     MSGSUBDIRS= \
507     lp          \
508     abi        \
509     acctadm    \
510     allocate   \
511     asa        \
512     audio      \
513     audit      \
514     auditconfig \
515     auditd     \
516     auditrecord \
517     auditset   \
518     auths      \
519     autopush   \
520     avs        \
521     awk        \
522     awk_xpg4   \
523     backup     \

```

```

524 banner \
525 bart \
526 basename \
527 beadm \
528 bnu \
529 busstat \
530 cal \
531 cat \
532 cdrw \
533 cfgadm \
534 checkeq \
535 checknr \
536 chgrp \
537 chmod \
538 chown \
539 cmd-crypto \
540 cmd-inet \
541 col \
542 compress \
543 consadm \
544 coreadm \
545 cpio \
546 cpc \
547 cron \
548 csh \
549 csplit \
550 ctrun \
551 ctstat \
552 ctwatch \
553 datadm \
554 date \
555 dc \
556 dcs \
557 dd \
558 deroff \
559 devfsadm \
560 dfs.cmds \
561 diff \
562 diffmk \
563 dladm \
564 dlstat \
565 du \
566 dumpcs \
567 ed \
568 eject \
569 env \
570 eqn \
571 expand \
572 expr \
573 fcinfo \
574 fgrep \
575 file \
576 filesync \
577 find \
578 flowadm \
579 flowstat \
580 fm \
581 fold \
582 fs.d \
583 fwflash \
584 geniconvtbl \
585 genmsg \
586 getconf \
587 getent \
588 gettext \
589 gettxt \

```

```

590 grep \
591 grep_xpg4 \
592 grpck \
593 gss \
594 halt \
595 head \
596 hostname \
597 hotplug \
598 id \
599 idmap \
600 isaexec \
601 iscsiadm \
602 iscsid \
603 isns \
604 itadm \
605 kbd \
606 krb5 \
607 ksh \
608 last \
609 ldap \
610 ldapcachemgr \
611 lgrpinfo \
612 locale \
613 lofiadm \
614 logadm \
615 logger \
616 logins \
617 ls \
618 luxadm \
619 lvm \
620 mailx \
621 man \
622 msg \
623 mkdir \
624 mkpdict \
625 mktemp \
626 more \
627 mpathadm \
628 msgfmt \
629 mv \
630 ndmpadm \
631 ndmpstat \
632 newgrp \
633 newtask \
634 nice \
635 nohup \
636 oawk \
637 pack \
638 passwd \
639 passmgmt \
640 pathchk \
641 pfexec \
642 pg \
643 pgrep \
644 picl \
645 pools \
646 power \
647 pr \
648 praudit \
649 print \
650 profiles \
651 projadd \
652 projects \
653 prstat \
654 prtdiag \
655 ps \

```

```

656 psrinfo \
657 ptools \
658 pwconv \
659 pwd \
660 pyzfs \
661 raidctl \
662 ramdiskadm \
663 rcap \
664 rcm_daemon \
665 refer \
666 regcmp \
667 renice \
668 roles \
669 rm \
670 rmdir \
671 rmformat \
672 rmmount \
673 rmvolmgr \
674 sasinfo \
675 sbdadm \
676 scadm \
677 script \
678 scsi \
679 sdiff \
680 sdpadm \
681 sgs \
682 sh \
683 shcomp \
684 smbstrv \
685 sort \
686 split \
687 srptadm \
688 ssh \
689 stat \
690 stmfadm \
691 stmsboot \
692 strings \
693 su \
694 svc \
695 svr4pkg \
696 swap \
697 syseventadm \
698 syseventd \
699 tabs \
700 tar \
701 tbl \
702 time \
703 tnf \
704 touch \
705 tput \
706 troff \
707 tsol \
708 tty \
709 ttymon \
710 tzreload \
711 ul \
712 uname \
713 units \
714 unlink \
715 unpack \
716 userattr \
717 valtools \
718 vgrind \
719 vi \
720 volcheck \
721 volrmmount \

```

```

722 vrrpadm \
723 vsfan \
724 w \
725 who \
726 whodo \
727 wracct \
728 write \
729 wusbadm \
730 xargs \
731 yppasswd \
732 zdump \
733 zfs \
734 zic \
735 zlogin \
736 zoneadm \
737 zoneadmd \
738 zonecfg \
739 zonename \
740 zpool \
741 zonestat \
743 sparc_MSGSUBDIRS= \
744 fruadm \
745 prtdscp \
746 prtfru \
747 virtinfo \
748 vntsd \
750 i386_MSGSUBDIRS= \
751 ucodeadm \
753 #
754 # commands that use dcgettext for localized time, LC_TIME
755 #
756 DCSUBDIRS= \
757 cal \
758 cfgadm \
759 diff \
760 ls \
761 pr \
762 ps \
763 tar \
764 w \
765 who \
766 whodo \
767 write \
769 #
770 # commands that belong only to audit.
771 #
772 AUDITSUBDIRS= \
773 amt \
774 audit \
775 audit_warn \
776 auditconfig \
777 auditd \
778 auditrecord \
779 auditreduce \
780 auditset \
781 auditstat \
782 praudit \
784 #
785 # commands not owned by the systems group
786 #
787 BWOSDIRS=

```

```
790 all :=          TARGET = all
791 install :=      TARGET = install
792 clean :=       TARGET = clean
793 clobber :=     TARGET = clobber
794 lint :=        TARGET = lint
795 _msg :=        TARGET = _msg
796 _dc :=         TARGET = _dc

798 .KEEP_STATE:

800 SUBDIRS = $(COMMON_SUBDIRS) $($ (MACH)_SUBDIRS)

802 .PARALLEL:      $(BWOSDIRS) $(SUBDIRS) $(MSGSUBDIRS) $(AUDITSUBDIRS)

804 all install clean clobber lint: $(FIRST_SUBDIRS) .WAIT $(SUBDIRS) \
805     $(AUDITSUBDIRS)

807 #
808 # Manifests cannot be checked in parallel, because we are using
809 # the global repository that is in $(SRC)/cmd/svc/seed/global.db.
810 # For this reason, to avoid .PARALLEL and .NO_PARALLEL conflicts,
811 # we spawn off a sub-make to perform the non-parallel 'make check'
812 #
813 check:
814     $(MAKE) -f Makefile.check check

816 #
817 # The .WAIT directive works around an apparent bug in parallel make.
818 # Evidently make was getting the target _msg vs. _dc confused under
819 # some level of parallelization, causing some of the _dc objects
820 # not to be built.
821 #
822 _msg: $(MSGSUBDIRS) $($ (MACH)_MSGSUBDIRS) .WAIT _dc

824 _dc: $(DCSUBDIRS)

826 #
827 # Dependencies
828 #
829 fs.d: fstyp
830 ksh:    shcomp isaexec
831 mdb:   terminfo
832 print: lp

834 $(FIRST_SUBDIRS) $(BWOSDIRS) $(SUBDIRS) $(AUDITSUBDIRS): FRC
835     @if [ -f $@/Makefile ]; then \
836         cd $@; pwd; $(MAKE) $(TARGET); \
837     else \
838         true; \
839     fi

841 FRC:
```

```

new/usr/src/cmd/fm/notify/smtp-notify/common/smtp-notify.xml 1
*****
4247 Mon Sep 22 12:11:18 2014
new/usr/src/cmd/fm/notify/smtp-notify/common/smtp-notify.xml
5166 sendmail package should be replaceable
*****
1 <?xml version="1.0"?>
2 <!DOCTYPE service_bundle SYSTEM "/usr/share/lib/xml/dtd/service_bundle.dtd.1">
3 <!--
4 Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.

6 CDDL HEADER START

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20 fields enclosed by brackets "[]" replaced with your own identifying
21 information: Portions Copyright [yyyy] [name of copyright owner]

23 CDDL HEADER END

25 NOTE: This service manifest is not editable; its contents will
26 be overwritten by package or patch operations, including
27 operating system upgrade. Make customizations in a different
28 file.
29 -->

31 <service_bundle type='manifest' name='SUNWckr:fm'd'>

33 <service
34 name='system/fm/smtp-notify'
35 type='service'
36 version='1'>

38 <create_default_instance enabled='true' />

40 <!--
41 Just one instance of smtp-notify should be running in any OS instance.
42 -->
43 <single_instance />

45 <!--
46 Add a dependency on SUNWfmd being installed
47 -->
48 <dependency
49 name='SUNWfmd'
50 grouping='require_all'
51 restart_on='none'
52 type='path'>
53 <service_fmri value='file://localhost/usr/lib/fm/notify/smtp-not
54 </dependency>

56 <dependency
57 name='startup_req'
58 grouping='require_all'
59 restart_on='none'
60 type='service'>
61 <service_fmri value='svc:/milestone/multi-user:default' />

```

```

new/usr/src/cmd/fm/notify/smtp-notify/common/smtp-notify.xml 2
62 <service_fmri value='svc:/system/fmd:default' />
63 <service_fmri value='svc:/network/sendmail-client:default' />
63 </dependency>

65 <exec_method
66 type='method'
67 name='start'
68 exec='/usr/lib/fm/notify/smtp-notify'
69 timeout_seconds='0' />

71 <exec_method
72 type='method'
73 name='stop'
74 exec=':kill'
75 timeout_seconds='60' />

77 <exec_method
78 type='method'
79 name='refresh'
80 exec=':kill -HUP'
81 timeout_seconds='30'>
82 <method_context>
83 <method_credential user='root' group='root' />
84 </method_context>
85 </exec_method>

87 <property_group name="general" type="framework">
88 <propval name='action_authorization' type='astring'
89 value='solaris.smf.manage.smtp-notify' />
90 <propval name='value_authorization' type='astring'
91 value='solaris.smf.value.smtp-notify' />
92 </property_group>

94 <property_group name="config" type="application">
95 <propval name='debug' type='boolean' value="false"/>
96 <propval name='rootdir' type="astring" value=""/>
97 <propval name='action_authorization' type='astring'
98 value='solaris.smf.manage.smtp-notify' />
99 <propval name='value_authorization' type='astring'
100 value='solaris.smf.value.smtp-notify' />
101 </property_group>

103 <stability value='Evolving' />

105 <template>
106 <common_name>
107 <loctext xml:lang='C'>
108 Solaris Email Event Notification Agent
109 </loctext>
110 </common_name>
111 <documentation>
112 <manpage title='smtp-notify' section='1M'
113 manpath='/usr/share/man' />
114 </documentation>
115 <pg_pattern name='config' type='application' target='this'
116 required='false'>
117 <prop_pattern name='debug' type='boolean'
118 required='false'>
119 <description>
120 <loctext xml:lang='C'>
121 When set to true, smtp-notify will spool debug messages to /var/fm/notify/smtp-n
122 </loctext>
123 </description>
124 <visibility value='readwrite' />
125 <cardinality min='1' max='1' />
126 </prop_pattern>

```

```
127         <prop_pattern name='rootdir' type='astring'  
128             required='false'>  
129             <description>  
130                 <loctext xml:lang='C'>  
131 The root directory that will be used for all pathnames evaluated by smtp-notify  
132                 </loctext>  
133             </description>  
134             <visibility value='readwrite' />  
135             <cardinality min='1' max='1' />  
136         </prop_pattern>  
137     </pg_pattern>  
138 </template>  
139 </service>  
  
141 </service_bundle>
```

```
*****
2376 Mon Sep 22 12:11:19 2014
new/usr/src/cmd/mailwrapper/Makefile
5166 sendmail package should be replaceable
*****
```

```
1 #
2 # CDDL HEADER START
3 #
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17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
23 # Copyright 2014 Alexander Pyhalov
24 # Use is subject to license terms.
25 #

28 LIBPROG=      mailwrapper

30 PROG=         $(LIBPROG)

32 include ../Makefile.cmd

34 MWOBJS=       fgetln.o fparseln.o mailwrapper.o

36 CLOBBERFILES= $(PROG)
37 CLEANFILES=   $(MWOBJS)

39 SRCS=         $(MWOBJS:%.o=%.c)

41 CPROG=        mailwrapper
42 CPROGSRC=     $(CPROG:%=%.c)

44 CFS=          mailer.conf

46 ROOTETCFILES=$(CFS:%=$(ROOTETC)/%)

48 $(ROOTETCFILES) :=      FILEMODE = 0644

50 # installed modules
51 ROOTLIBPROG=   $(LIBPROG:%=$(ROOTLIB)/%)

53 ROOTSYMLINKS= $(ROOTBIN)/mailq \
54               $(ROOTLIB)/sendmail \
55               $(ROOTUSRSBIN)/newaliases \
56               $(ROOTUSRSBIN)/sendmail

58 CPPFLAGS =    -I. $(CPPFLAGS.master)

60 LINTFLAGS     += -erroff=E_FUNC_RET_ALWAYS_IGNORE2
```

```
62 # conditional assignments
63 #
64 all:=          TARGET= all
65 install:=     TARGET= install
66 clean:=       TARGET= clean
67 clobber:=     TARGET= clobber
68 lint:=        TARGET= lint

70 # install rules
71 $(ROOTINC)/% : %
72             $(INS.file)

74 .KEEP_STATE:

76 .PARALLEL: $(MWOBJS) $(OBJJS)

78 all:         $(PROG)

80 mailwrapper: $(MWOBJS)
81             $(LINK.c) -o $@ $(MWOBJS) $(LDLIBS)
82             $(POST_PROCESS)

84 install: all .WAIT $(ROOTLIBPROG) $(ROOTSYMLINKS) $(ROOTETCFILES)

86 # ROOTSYMLINKS
87 #
88 $(ROOTBIN)/mailq:
89     $(RM) $@; $(SYMLINK) ../lib/mailwrapper $@

91 $(ROOTLIB)/sendmail:
92     $(RM) $@; $(SYMLINK) mailwrapper $@

94 $(ROOTUSRSBIN)/newaliases:
95     $(RM) $@; $(SYMLINK) ../lib/mailwrapper $@

97 $(ROOTUSRSBIN)/sendmail:
98     $(RM) $@; $(SYMLINK) ../lib/mailwrapper $@

100 $(ROOTETCMAIL)/%: %
101     $(INS.file)

103 lint:
104     $(LINT.c) $(SRCS)

106 clean:
107     $(RM) $(OBJJS) $(MWOBJS) mailwrapper

109 clobber: clean
110     $(RM) $(ROOTSYMLINKS) $(ROOTLIBPROG) $(ROOTETCFILES)
111 #endif /* ! codereview */
```

```
*****
5223 Mon Sep 22 12:11:19 2014
new/usr/src/cmd/mailwrapper/THIRDPARTYLICENSE
5166 sendmail package should be replaceable
*****
```

```
1 fgetln.c is provided under the following license
2 /*
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4  * All rights reserved.
5  *
6  * This code is derived from software contributed to The NetBSD Foundation
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8  *
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32 */
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61 */
```

```
62 mailwrapper.c is provided under the following license
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89  * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
90  * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
91  * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
92 */
94 #endif /* ! codereview */
```

new/usr/src/cmd/mailwrapper/THIRDPARTYLICENSE.descrip

1

43 Mon Sep 22 12:11:20 2014

new/usr/src/cmd/mailwrapper/THIRDPARTYLICENSE.descrip

5166 sendmail package should be replaceable

1 mailwrapper and BSD compatilbity functions

2 #endif /* ! codereview */

new/usr/src/cmd/mailwrapper/compat.h

1

```
*****
2258 Mon Sep 22 12:11:20 2014
new/usr/src/cmd/mailwrapper/compat.h
5166 sendmail package should be replaceable
*****
```

```
1 /*
2  * Copyright (c) 1996 Peter Wemm <peter@FreeBSD.org>.
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6  *
7  * Portions of this software were developed for the FreeBSD Project by
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32 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
33 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
34 * SUCH DAMAGE.
35 */

37 /* This file contains extracts from FreeBSD libc and libutil headers */
38 #include <stdio.h>

40 #define FPARSELN_UNESCESC      0x01
41 #define FPARSELN_UNESCCONT    0x02
42 #define FPARSELN_UNESCCOMM    0x04
43 #define FPARSELN_UNESCREST    0x08
44 #define FPARSELN_UNESCALL     0x0f

46 char* fparseln(FILE *, size_t *, size_t *, const char[3], int);
47 char* fgetln(FILE *, size_t *);
48 #endif /* !codereview */
```

```

*****
2549 Mon Sep 22 12:11:20 2014
new/usr/src/cmd/mailwrapper/fgetln.c
5166 sendmail package should be replaceable
*****
1 /* $Id$ */
2 /* $NetBSD: fgetln.c,v 1.3 2007/08/07 02:06:58 lukem Exp $ */

4 /*-
5  * Copyright (c) 1998 The NetBSD Foundation, Inc.
6  * All rights reserved.
7  *
8  * This code is derived from software contributed to The NetBSD Foundation
9  * by Christos Zoulas.
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28 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
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31 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
32 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
33 * POSSIBILITY OF SUCH DAMAGE.
34 */

36 #include <sys/types.h>

38 #include <errno.h>
39 #include <stdio.h>
40 #include <stdlib.h>
41 #include <string.h>

43 char *
44 fgetln(FILE *fp, size_t *len)
45 {
46     static char *buf = NULL;
47     static size_t bufsiz = 0;
48     char *ptr;

51     if (buf == NULL) {
52         bufsiz = BUFSIZ;
53         if ((buf = malloc(bufsiz)) == NULL)
54             return NULL;
55     }

57     if (fgets(buf, bufsiz, fp) == NULL)
58         return NULL;

60     *len = 0;
61     while ((ptr = strchr(&buf[*len], '\n')) == NULL) {

```

```

62     size_t nbufsiz = bufsiz + BUFSIZ;
63     char *nbuf = realloc(buf, nbufsiz);

65     if (nbuf == NULL) {
66         int oerrno = errno;
67         free(buf);
68         errno = oerrno;
69         buf = NULL;
70         return NULL;
71     } else
72         buf = nbuf;

74     *len = bufsiz;
75     if (fgets(&buf[bufsiz], BUFSIZ, fp) == NULL)
76         return buf;

78     bufsiz = nbufsiz;
79     }

81     *len = (ptr - buf) + 1;
82     return buf;
83 }

85 #endif /* !codereview */

```

```

*****
4986 Mon Sep 22 12:11:20 2014
new/usr/src/cmd/mailwrapper/fparseln.c
5166 sendmail package should be replaceable
*****
1 /*      $NetBSD: fparseln.c,v 1.9 1999/09/20 04:48:06 lukem Exp $      */
3 /*
4  * Copyright (c) 1997 Christos Zoulas. All rights reserved.
5  *
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7  * modification, are permitted provided that the following conditions
8  * are met:
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14 * 3. All advertising materials mentioning features or use of this software
15 * must display the following acknowledgement:
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27 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
28 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
29 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
30 */

32 #include <stdio.h>
33 #include <string.h>
34 #include <stdlib.h>
35 #include <compat.h>

37 static int isescaped(const char *, const char *, int);

39 /* isescaped():
40  * Return true if the character in *p that belongs to a string
41  * that starts in *sp, is escaped by the escape character esc.
42  */
43 static int
44 isescaped(const char *sp, const char *p, int esc)
45 {
46     const char    *cp;
47     size_t        ne;

49     /* No escape character */
50     if (esc == '\0')
51         return 1;

53     /* Count the number of escape characters that precede ours */
54     for (ne = 0, cp = p; --cp >= sp && *cp == esc; ne++)
55         continue;

57     /* Return true if odd number of escape characters */
58     return (ne & 1) != 0;
59 }

```

```

62 /* fparseln():
63  * Read a line from a file parsing continuations ending in \
64  * and eliminating trailing newlines, or comments starting with
65  * the comment char.
66  */
67 char *
68 fparseln(FILE *fp, size_t *size, size_t *lineno, const char str[3], int flags)
69 {
70     static const char dstr[3] = { '\\', '\\', '#' };

72     size_t  s, len;
73     char   *buf;
74     char   *ptr, *cp;
75     int    cnt;
76     char   esc, con, nl, com;

78     len = 0;
79     buf = NULL;
80     cnt = 1;

82     if (str == NULL)
83         str = dstr;

85     esc = str[0];
86     con = str[1];
87     com = str[2];
88     /*
89     * XXX: it would be cool to be able to specify the newline character,
90     * but unfortunately, fgetln does not let us
91     */
92     nl = '\n';

94     while (cnt) {
95         cnt = 0;

97         if (lineno)
98             (*lineno)++;

100         if ((ptr = fgetln(fp, &s)) == NULL)
101             break;

103         if (s && com) { /* Check and eliminate comments */
104             for (cp = ptr; cp < ptr + s; cp++)
105                 if (*cp == com && !isescaped(ptr, cp, esc)) {
106                     s = cp - ptr;
107                     cnt = s == 0 && buf == NULL;
108                     break;
109                 }
110         }

112         if (s && nl) { /* Check and eliminate newlines */
113             cp = &ptr[s - 1];

115             if (*cp == nl)
116                 s--; /* forget newline */
117         }

119         if (s && con) { /* Check and eliminate continuations */
120             cp = &ptr[s - 1];

122             if (*cp == con && !isescaped(ptr, cp, esc)) {
123                 s--; /* forget escape */
124                 cnt = 1;
125             }
126         }

```

```

128         if (s == 0 && buf != NULL)
129             continue;

131         if ((cp = realloc(buf, len + s + 1)) == NULL) {
132             free(buf);
133             return NULL;
134         }
135         buf = cp;

137         (void) memcpy(buf + len, ptr, s);
138         len += s;
139         buf[len] = '\0';
140     }

142     if ((flags & FPARSELN_UNESCALL) != 0 && esc && buf != NULL &&
143         strchr(buf, esc) != NULL) {
144         ptr = cp = buf;
145         while (cp[0] != '\0') {
146             int skipesc;

148             while (cp[0] != '\0' && cp[0] != esc)
149                 *ptr++ = *cp++;
150             if (cp[0] == '\0' || cp[1] == '\0')
151                 break;

153             skipesc = 0;
154             if (cp[1] == com)
155                 skipesc += (flags & FPARSELN_UNESCCOMM);
156             if (cp[1] == con)
157                 skipesc += (flags & FPARSELN_UNESCCONT);
158             if (cp[1] == esc)
159                 skipesc += (flags & FPARSELN_UNESCESEC);
160             if (cp[1] != com && cp[1] != con && cp[1] != esc)
161                 skipesc = (flags & FPARSELN_UNESCREST);

163             if (skipesc)
164                 cp++;
165             else
166                 *ptr++ = *cp++;
167             *ptr++ = *cp++;
168         }
169         *ptr = '\0';
170         len = strlen(buf);
171     }

173     if (size)
174         *size = len;
175     return buf;
176 }

178 #ifdef TEST

180 int
181 main(int argc, char *argv[])
182 {
183     char *ptr;
184     size_t size, line;

186     line = 0;
187     while ((ptr = fparseln(stdin, &size, &line, NULL,
188         FPARSELN_UNESCALL)) != NULL)
189         printf("line %d (%d) |%s|\n", line, size, ptr);
190     return 0;
191 }

193 /*

```

```

195 # This is a test
196 line 1
197 line 2 \
198 line 3 # Comment
199 line 4 \# Not comment \\\

201 # And a comment \
202 line 5 \\\
203 line 6

205 */

207 #endif /* TEST */
208 #endif /* !codereview */

```

new/usr/src/cmd/mailwrapper/mailler.conf

1

254 Mon Sep 22 12:11:21 2014

new/usr/src/cmd/mailwrapper/mailler.conf

5166 sendmail package should be replaceable

```
1 # This file configures mailwrapper(lm).
2 # For details see mailler.conf(4).
3 # The following configuration is correct for sendmail(lm).
4 sendmail      /usr/lib/smtp/sendmail/sendmail
5 newaliases   /usr/lib/smtp/sendmail/sendmail
6 mailq        /usr/lib/smtp/sendmail/mailq
7 #endif /* ! codereview */
```

```

*****
4609 Mon Sep 22 12:11:21 2014
new/usr/src/cmd/mailwrapper/mailwrapper.c
5166 sendmail package should be replaceable
*****
1 /* $OpenBSD: mailwrapper.c,v 1.18 2007/11/06 14:39:19 otto Exp $ */
2 /* $NetBSD: mailwrapper.c,v 1.9 2003/03/09 08:10:43 mjl Exp $ */

4 /*
5  * Copyright (c) 1998
6  * Perry E. Metzger. All rights reserved.
7  *
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9  * modification, are permitted provided that the following conditions
10 * are met:
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12 * notice, this list of conditions and the following disclaimer.
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14 * notice, this list of conditions and the following disclaimer in the
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16 * 3. All advertising materials mentioning features or use of this software
17 * must display the following acknowledgment:
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29 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
30 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
31 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
32 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
33 */

35 #include <compat.h>
36 #include <err.h>
37 #include <stdio.h>
38 #include <string.h>
39 #include <unistd.h>
40 #include <stdlib.h>
41 #include <sysexit.h>
42 #include <syslog.h>
43 #include <limits.h>

45 #include "pathnames.h"

47 struct arglist {
48     size_t argc, maxc;
49     char **argv;
50 };

52 int main(int, char *[], char *[]);

54 static void initarg(struct arglist *);
55 static void addarg(struct arglist *, const char *);

57 static void
58 initarg(struct arglist *al)
59 {
60     al->argc = 0;
61     al->maxc = 10;

```

```

62     if ((al->argv = calloc(al->maxc, sizeof(char *))) == NULL)
63         err(EX_TEMPFAIL, "calloc");
64 }

66 static void
67 addarg(struct arglist *al, const char *arg)
68 {
69     if (al->argc == al->maxc) {
70         al->maxc <<= 1;
71         al->argv = realloc(al->argv, al->maxc * sizeof(char *));
72         if (al->argv == NULL)
73             err(EX_TEMPFAIL, "realloc");
74     }
75     if (arg == NULL)
76         al->argv[al->argc++] = NULL;
77     else if ((al->argv[al->argc++] = strdup(arg)) == NULL)
78         err(EX_TEMPFAIL, "strdup");
79 }

82 int
83 main(int argc, char *argv[], char *envp[])
84 {
85     FILE *config;
86     char *line, *cp, *from, *to, *ap;
87     char progname[PATH_MAX+1];
88     const char *name;
89     size_t len, lineno = 0;
90     int i;
91     struct arglist al;

93     /* change __progname to mailwrapper so we get sensible error messages */
94     name = getprogname();
95     if (name) {
96         strncpy(progname, name, sizeof(progname));
97     } else {
98         err(EX_OSERR, "cannot get program name");
99     }
100    setprogname("mailwrapper");

102    initarg(&al);
103    addarg(&al, argv[0]);

105    if ((config = fopen(_PATH_MAILERCONF, "r")) == NULL) {
106        addarg(&al, NULL);
107        openlog(getprogname(), LOG_PID, LOG_MAIL);
108        syslog(LOG_INFO, "cannot open %s, using %s as default MTA",
109            _PATH_MAILERCONF, _PATH_DEFAULTMTA);
110        closelog();
111        execve(_PATH_DEFAULTMTA, al.argv, envp);
112        err(EX_OSERR, "cannot exec %s", _PATH_DEFAULTMTA);
113        /*NOTREACHED*/
114    }

116    for (;;) {
117        if ((line = fparseln(config, &len, &lineno, NULL, 0)) == NULL) {
118            if (feof(config))
119                errx(EX_CONFIG, "no mapping for %s in %s", progname,
120                    _PATH_MAILERCONF);
121            err(EX_CONFIG, "cannot parse line %lu", (u_long)lineno);
122        }

123        #define WS " \t\n"
124        cp = line;

126        cp += strspn(cp, WS);
127        if (cp[0] == '\0') {

```

```
128         /* empty line */
129         free(line);
130         continue;
131     }
132
133     if ((from = strsep(&cp, WS)) == NULL || cp == NULL)
134         goto parse_error;
135
136     cp += strspn(cp, WS);
137
138     if ((to = strsep(&cp, WS)) == NULL)
139         goto parse_error;
140
141     if (strcmp(from, progname) == 0) {
142         for (ap = strsep(&cp, WS); ap != NULL;
143              ap = strsep(&cp, WS)) {
144             if (*ap)
145                 addarg(&al, ap);
146         }
147         break;
148     }
149
150     free(line);
151 }
152
153 (void)fclose(config);
154
155 for (i = 1; i < argc; i++)
156     addarg(&al, argv[i]);
157
158 addarg(&al, NULL);
159 execve(to, al.argv, envp);
160 err(EX_OSERR, "cannot exec %s", to);
161 /*NOTREACHED*/
162 parse_error:
163     errx(EX_CONFIG, "parse error in %s at line %lu",
164          _PATH_MAILERCONF, (u_long)lineno);
165     /*NOTREACHED*/
166     return 0;
167 }
168 #endif /* ! codereview */
```

new/usr/src/cmd/mailwrapper/pathnames.h

1

1812 Mon Sep 22 12:11:21 2014

new/usr/src/cmd/mailwrapper/pathnames.h
5166 sendmail package should be replaceable

```
1 /* $FreeBSD$ */
3 /*
4  * Copyright (c) 1998
5  *   Perry E. Metzger. All rights reserved.
6  *
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8  * modification, are permitted provided that the following conditions
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15 * 3. All advertising materials mentioning features or use of this software
16 * must display the following acknowledgment:
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28 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
29 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
30 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
31 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
32 */
34 #define _PATH_MAILERCONF      "/etc/mailer.conf"
35 #define _PATH_DEFAULTMTA     "/usr/lib/smtp/sendmail/sendmail"
36 #endif /* ! codereview */
```

```

*****
17051 Mon Sep 22 12:11:22 2014
new/usr/src/cmd/mailx/names.c
5166 sendmail package should be replaceable
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License, Version 1.0 only
6  * (the "License"). You may not use this file except in compliance
7  * with the License.
8  *
9  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
10 * or http://www.opensolaris.org/os/licensing.
11 * See the License for the specific language governing permissions
12 * and limitations under the License.
13 *
14 * When distributing Covered Code, include this CDDL HEADER in each
15 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 * If applicable, add the following below this CDDL HEADER, with the
17 * fields enclosed by brackets "[]" replaced with your own identifying
18 * information: Portions Copyright [yyyy] [name of copyright owner]
19 *
20 * CDDL HEADER END
21 */

23 /*
24 * Copyright 2001 Sun Microsystems, Inc. All rights reserved.
25 * Use is subject to license terms.
26 */

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

31 /*
32 * University Copyright- Copyright (c) 1982, 1986, 1988
33 * The Regents of the University of California
34 * All Rights Reserved
35 *
36 * University Acknowledgment- Portions of this document are derived from
37 * software developed by the University of California, Berkeley, and its
38 * contributors.
39 */

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

41 /*
42 * mailx -- a modified version of a University of California at Berkeley
43 * mail program
44 *
45 * Handle name lists.
46 */

48 #include "rcv.h"
49 #include <locale.h>

51 static struct name      *nalloc(char str[]);
52 static int              isfileaddr(char *name);
53 static int              lengthof(struct name *name);
54 static struct name      *gexpand(struct name *nlist, struct grouphead *gh, int m
55 static char             *norm(register char *user, register char *ubuf, int nban
56 static struct name      *put(struct name *list, struct name *node);

58 /*
59 * Allocate a single element of a name list,

```

```

60 * initialize its name field to the passed
61 * name and return it.
62 */

64 static struct name *
65 nalloc(char str[])
66 {
67     register struct name *np;

69     np = (struct name *) salloc(sizeof *np);
70     np->n_flink = NIL;
71     np->n_blink = NIL;
72     np->n_type = -1;
73     np->n_full = savestr(str);
74     np->n_name = skin(np->n_full);
75     return(np);
76 }

unchanged_portion_omitted

579 /*
580 * Unpack the name list onto a vector of strings.
581 * Return an error if the name list won't fit.
582 */

584 char **
585 unpack(struct name *np)
586 {
587     register char **ap, **top;
588     register struct name *n;
589     char hbuf[10];
590     int t, extra, metoo, verbose;

592     n = np;
593     if ((t = lengthof(n)) == 0)
594         panic("No names to unpack");

596     /*
597     * Compute the number of extra arguments we will need.
598     * We need at least 2 extra -- one for "mail" and one for
599     * the terminating 0 pointer.
600     * Additional spots may be needed to pass along -r and -f to
601     * the host mailer.
602     */

604     extra = 2;

606     if (rflag != NOSTR)
607         extra += 2;

610 #ifndef SENDMAIL
608     extra++;
609     metoo = value("metoo") != NOSTR;
610     if (metoo)
611         extra++;
612     verbose = value("verbose") != NOSTR;
613     if (verbose)
614         extra++;
615     if (hflag)
616         extra += 2;
620 #endif /* SENDMAIL */
617     top = (char **) salloc((t + extra) * sizeof (char *));
618     ap = top;
619     *ap++ = "sendmail";
623     *ap++ = "mail";
620     if (rflag != NOSTR) {
621         *ap++ = "-r";
622         *ap++ = rflag;

```

```
623     }
628 #ifdef SENDMAIL
624     *ap++ = "-i";
625     if (metoo)
626         *ap++ = "-m";
627     if (verbose)
628         *ap++ = "-v";
629     if (hflag) {
630         *ap++ = "-h";
631         snprintf(hbuf, sizeof (hbuf), "%d", hflag);
632         *ap++ = savestr(hbuf);
633     }
639 #endif /* SENDMAIL */
634     while (n != NIL) {
635         if (n->n_type & GDEL) {
636             n = n->n_flink;
637             continue;
638         }
639         *ap++ = n->n_name;
640         n = n->n_flink;
641     }
642     *ap = NOSTR;
643     return(top);
644 }
unchanged_portion_omitted
```

new/usr/src/cmd/sendmail/Makefile.cmd

1

1409 Mon Sep 22 12:11:22 2014

new/usr/src/cmd/sendmail/Makefile.cmd

5166 sendmail package should be replaceable

```
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 2009 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
```

```
27 CPPFLAGS.sm=    $(CPPFLAGS.master) -DSOLARIS=2$(RELEASE_MINOR)00 \
28                -D_FILE_OFFSET_BITS=64
29 CERRWARN +=     -_gcc=-Wno-clobbered
30 CERRWARN +=     -_gcc=-Wno-parentheses
31 CERRWARN +=     -_gcc=-Wno-uninitialized
32 CERRWARN +=     -_gcc=-Wno-implicit-function-declaration
33 CERRWARN +=     -_gcc=-Wno-empty-body
34 CERRWARN +=     -_gcc=-Wno-unused-variable
35 DBMDEF=         -DNDBM -DNEWDB -DNIS -DUSERDB -DMAP_REGEX -DLDAPMAP
```

```
37 ROOTLIBSMTPSM = $(ROOTLIB)/smtp/sendmail
```

```
39 $(ROOTLIBSMTPSM):
40     $(INS.dir)
```

```
42 $(ROOTLIBSMTPSM)/%: $(ROOTLIBSMTPSM) %
43     $(INS.file)
44 #endif /* ! codereview */
```

new/usr/src/cmd/sendmail/aux/Makefile

1

```
*****
3692 Mon Sep 22 12:11:23 2014
new/usr/src/cmd/sendmail/aux/Makefile
5166 sendmail package should be replaceable
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
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11 # and limitations under the License.
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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 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
22 # Use is subject to license terms.
23 #
24 #
25 # cmd/sendmail/aux/Makefile
26 #
27 include ../../Makefile.cmd
28 include ../Makefile.cmd
29 #
30 PROG= mailstats mconnect vacation mailcompat praliases
30 PROG= mailstats mconnect vacation mailcompat praliases mailq
31 #
32 LIBPROG= mail.local smrsh
33 #
34 USRSBINPROG= etrn makemap editmap
35 #
36 LIBSMTPSPROG= mailq
37 #
38 #endif /* ! codereview */
39 # $(PROG) by default
40 CLOBBERFILES= $(LIBPROG) $(USRSBINPROG)
41 #
42 OBJS= $(PROG:%=%.o)
43 #
44 .PARALLEL: $(OBJS) $(PROG) $(LIBPROG) $(USRSBINPROG)
45 #
46 SRCS= $(PROG:%=%.c)
47 #
48 editmap := LDLIBS += -lldap
49 mail.local := LDLIBS += -lsocket -lnsl -lmail -lldap
50 mailq := LDLIBS += -lsecdb
51 mailstats := LDLIBS += -lldap
52 makemap := LDLIBS += -lldap
53 mconnect := LDLIBS += -lsocket -lnsl
54 praliases := LDLIBS += -lldap
55 smrsh := LDLIBS += -lldap
56 vacation := LDLIBS += -lldap
57 $(ROOTLIBSMTPSPM)/mailq := FILEMODE = 4555
36 $(ROOTBIN)/mailq := FILEMODE = 4555
58 #
59 INCPATH= -I../src -I../db -I../include
```

new/usr/src/cmd/sendmail/aux/Makefile

2

```
61 ENVDEF= -DNOT_SENDMAIL
62 SUNENVDEF= -DSUN_EXTENSIONS -DUSE_VENDOR_CF_PATH
63 DBMDEF= -DNDBM -DNEWDB
64 #
65 CPPFLAGS = $(INCPATH) $(ENVDEF) $(SUNENVDEF) $(DBMDEF) $(CPPFLAGS.sm)
66 #
67 # Nearly every support application provides sleep(). This isn't incompatible
68 # with libc, but can be confined to the applications themselves.
69 LDFLAGS += $(MAPFILE.NGB:%=-M%)
70 #
71 .KEEP_STATE:
72 #
73 all: $(PROG) $(LIBSMTPSPROG) $(LIBPROG) $(USRSBINPROG)
74 #
75 all: $(PROG) $(LIBPROG) $(USRSBINPROG)
76 #
75 convtime.o: ../src/convtime.c
76 $(COMPILE.c) ../src/convtime.c
77 $(POST_PROCESS_O)
78 #
79 vacation: vacation.o convtime.o rfc2047.o ../libsm/libsm.a
80 $(LINK.c) vacation.o convtime.o rfc2047.o -o $@ $(LDLIBS) \
81 ../libsm/libsm.a
82 $(POST_PROCESS)
83 #
84 mail.local: mail.local.o ../libsmutil/libsmutil.a ../libsm/libsm.a
85 $(LINK.c) mail.local.o -o $@ $(LDLIBS) ../libsmutil/libsmutil.a \
86 ../libsm/libsm.a
87 $(POST_PROCESS)
88 #
89 smrsh: smrsh.o ../libsm/libsm.a
90 $(LINK.c) smrsh.o -o $@ $(LDLIBS) ../libsm/libsm.a
91 $(POST_PROCESS)
92 #
93 makemap: makemap.o ../libsmutil/libsmutil.a ../libsmdb/libsmdb.a \
94 ../db/libdb.a ../libsm/libsm.a
95 $(LINK.c) makemap.o -o $@ $(LDLIBS) ../libsmdb/libsmdb.a \
96 ../libsmutil/libsmutil.a ../db/libdb.a ../libsm/libsm.a
97 $(POST_PROCESS)
98 #
99 editmap: editmap.o ../libsmutil/libsmutil.a ../libsmdb/libsmdb.a \
100 ../db/libdb.a ../libsm/libsm.a
101 $(LINK.c) editmap.o -o $@ $(LDLIBS) ../libsmdb/libsmdb.a \
102 ../libsmutil/libsmutil.a ../db/libdb.a ../libsm/libsm.a
103 $(POST_PROCESS)
104 #
105 praliases: praliases.o ../libsmutil/libsmutil.a ../libsmdb/libsmdb.a \
106 ../libsm/libsm.a
107 $(LINK.c) praliases.o -o $@ $(LDLIBS) ../libsmdb/libsmdb.a \
108 ../libsmutil/libsmutil.a ../db/libdb.a ../libsm/libsm.a
109 $(POST_PROCESS)
110 #
111 mailstats: mailstats.o ../libsmutil/libsmutil.a ../libsm/libsm.a
112 $(LINK.c) mailstats.o -o $@ $(LDLIBS) ../libsmutil/libsmutil.a \
113 ../libsm/libsm.a
114 $(POST_PROCESS)
115 #
116 install: all $(ROOTPROG) $(ROOTLIB)/mail.local $(ROOTLIB)/smrsh \
117 $(ROOTLIBSMTPSPM)/mailq $(ROOTUSRSBIN)/makemap \
118 $(ROOTUSRSBIN)/etrn $(ROOTUSRSBIN)/editmap
96 $(ROOTUSRSBIN)/makemap $(ROOTUSRSBIN)/etrn $(ROOTUSRSBIN)/editmap
119 #
120 clean:
121 $(RM) $(OBJS) *.o
122 #
123 lint: lint_PROG
```

`new/usr/src/cmd/sendmail/aux/Makefile`

3

126 `include ../../Makefile.targ`

new/usr/src/cmd/sendmail/aux/mailq.c

1

1860 Mon Sep 22 12:11:24 2014

new/usr/src/cmd/sendmail/aux/mailq.c

5166 sendmail package should be replaceable

```
1 /*
2  * CDDL HEADER START
3  *
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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 2009 Sun Microsystems, Inc. All rights reserved.
24  * Use is subject to license terms.
25  */
26
27 #include <stdio.h>
28 #include <stdlib.h>
29 #include <auth_attr.h>
30 #include <secdb.h>
31 #include <pwd.h>
32 #include <unistd.h>
33 #include <sysexit.h>
34 #include <errno.h>
35 #include <auth_list.h>
36
37 #define _PATH_SENDMAIL_BIN      "/usr/lib/smtp/sendmail/sendmail"
37 #define _PATH_SENDMAIL_BIN      "/usr/lib/sendmail"
38
39 int
40 main(int argc, char *argv[], char *envp[])
41 {
42     struct passwd *pw = getpwuid(getuid());
43     char **newargv;
44     int j;
45
46     if (pw && chkauthattr(MAILQ_AUTH, pw->pw_name)) {
47         /* The extra 2 is 1 for the "-bp" + 1 for the terminator. */
48         newargv = (char **)malloc((argc + 2) * sizeof(char *));
49         if (newargv == NULL)
50             exit(EX_UNAVAILABLE);
51         newargv[0] = _PATH_SENDMAIL_BIN;
52         newargv[1] = "-bp";
53         for (j = 1; j <= argc; j++)
54             newargv[j + 1] = argv[j];
55         (void) execve(_PATH_SENDMAIL_BIN, newargv, envp);
56         perror("Cannot exec " _PATH_SENDMAIL_BIN);
57         exit(EX_OSERR);
58     }
59     (void) fputs("No authorization to run mailq; "
60                 "see mailq(1) for details.\n", stderr);
```

new/usr/src/cmd/sendmail/aux/mailq.c

2

```
61         return (EX_NOPERM);
62     }
_____unchanged_portion_omitted_
```

new/usr/src/cmd/sendmail/src/Makefile

1

2390 Mon Sep 22 12:11:24 2014

new/usr/src/cmd/sendmail/src/Makefile

5166 sendmail package should be replaceable

```
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17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright (c) 2011 Gary Mills
23 #
24 #
25 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
26 # Use is subject to license terms.
27 #
28 # cmd/sendmail/src/Makefile
29 #
30 #
31 PROG=    sendmail
32 #
33 include  ../../Makefile.cmd
34 include  ../Makefile.cmd
35 #
36 OBJS=   alias.o arpadate.o bf.o collect.o conf.o control.o convtime.o daemon.o \
37         deliver.o domain.o envelope.o err.o headers.o macro.o main.o map.o \
38         mci.o milter.o mime.o parseaddr.o queue.o ratectrl.o readcf.o \
39         recipient.o sasl.o savemail.o sfsasl.o sm_resolve.o srvsmtplib.o stab.o \
40         stats.o sysexits.o tls.o trace.o udb.o usersmtplib.o util.o version.o
41 #
42 SRCS=   $(OBJS:%.o=%.c)
43 #
44 MAPFILES = $(MAPFILE.INT) $(MAPFILE.NGB)
45 LDFLAGS += $(MAPFILES:%=-M%)
46 #
47 LDLIBS += ../libsmutil/libsmutil.a ../libsm/libsm.a -lresolv -lsocket \
48           -lnsl ../db/libdb.a -lldap -lsldap -lwrap -lumem \
49           -lssl -lcrypto -lsasl
50 #
51 INCPATH= -I. -I../include -I../db
52 #
53 ENVDEF=  -DNETINET6 -DTCPPWRAPPERS -DSTARTTLS -DSASL=20115
54 SUNENVDEF= -DSUN_EXTENSIONS -DVENDOR_DEFAULT=VENDOR_SUN \
55           -DSUN_INIT_DOMAIN -DSUN_SIMPLIFIED_LDAP -D_FFR_LOCAL_DAEMON \
56           -D_FFR_MAIL_MACRO
57 #
58 CPPFLAGS = $(INCPATH) $(ENVDEF) $(SUNENVDEF) $(DBMDEF) $(CPPFLAGS.sm)
59 #
60 FILEMODE= 2555
```

new/usr/src/cmd/sendmail/src/Makefile

2

```
62 ROOTSYMLINKS= $(ROOTLIBSMTPSM)/newaliases
62 ROOTSYMLINKS= $(ROOTUSRSBIN)/newaliases $(ROOTUSRSBIN)/sendmail
63 #
64 # build rule
65 #
66 #
67 .KEEP_STATE:
68 all:          $(PROG)
69 #
70 .PARALLEL:   $(OBJS)
71 #
72 $(PROG):     $(OBJS) $(MAPFILES) \
73             ../libsmutil/libsmutil.a ../libsm/libsm.a ../db/libdb.a
74             $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
75             $(POST_PROCESS)
76 #
77 install:     $(ROOTLIBSMTPSM)/sendmail $(ROOTSYMLINKS)
77 install:     $(ROOTLIBPROG) $(ROOTSYMLINKS)
78 #
79 $(ROOTSYMLINKS):
80             $(RM) $@; $(SYMLINK) sendmail $@
80             $(RM) $@; $(SYMLINK) ../lib/sendmail $@
81 #
82 clean:
83             $(RM) $(PROG) $(OBJS)
84 #
85 lint:       lint_SRCS
86 #
87 include     ../../Makefile.targ
```

new/usr/src/cmd/svc/shell/sendmail_include.sh

1

2629 Mon Sep 22 12:11:25 2014

new/usr/src/cmd/svc/shell/sendmail_include.sh

5166 sendmail package should be replaceable

```
1 #!/sbin/sh
2 #
3 # CDDL HEADER START
4 #
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17 # fields enclosed by brackets "[]" replaced with your own identifying
18 # information: Portions Copyright [yyyy] [name of copyright owner]
19 #
20 # CDDL HEADER END
21 #
22 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24
25 DEFAULT_FILE="/etc/default/sendmail"
26 SENDMAIL="/usr/lib/smtp/sendmail/sendmail"
27 SENDMAIL="/usr/lib/sendmail"
28 PATH="/usr/bin:/usr/sbin:/usr/ccs/bin"
29 export PATH
30
31 check_queue_interval_syntax()
32 {
33     default="15m"
34     if [ $# -lt 1 ]; then
35         answer=$default
36         return
37     fi
38     if echo $1 | egrep '^[0-9]*[1-9][0-9]*[smhdw])+$' >/dev/null 2>&1; then
39         answer=$1
40     else
41         answer=$default
42     fi
43 }
44
45 unchanged_portion_omitted
```

14593 Mon Sep 22 12:11:26 2014

new/usr/src/man/man1m/Makefile

5166 sendmail package should be replaceable

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

12 #
13 # Copyright 2011, Richard Lowe
14 # Copyright (c) 2012, Joyent, Inc. All rights reserved.
15 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
16 #

18 include \$(SRC)//Makefile.master

20 MANSECT= lm

22 _MANFILES= 6to4relay.lm //
23 Intro.lm //
24 Uutry.lm //
25 accept.lm //
26 acct.lm //
27 acctadm.lm //
28 acctcms.lm //
29 acctcon.lm //
30 acctmerg.lm //
31 acctprc.lm //
32 acctsh.lm //
33 adbgen.lm //
34 add_allocatable.lm //
35 add_drv.lm //
36 addbadsec.lm //
37 arcstat.lm //
38 arp.lm //
39 atohexlabel.lm //
40 audit.lm //
41 audit_warn.lm //
42 auditconfig.lm //
43 auditd.lm //
44 auditrecord.lm //
45 auditreduce.lm //
46 auditstat.lm //
47 automount.lm //
48 automountd.lm //
49 autopush.lm //
50 bart.lm //
51 beadm.lm //
52 boot.lm //
53 bootadm.lm //
54 bootconfchk.lm //
55 busstat.lm //
56 cachebsd.lm //
57 cachebsdlog.lm //
58 cachebspack.lm //
59 cachebspstat.lm //
60 cachebspssize.lm //
61 captainfo.lm //

62 catman.lm //
63 cfgadm.lm //
64 cfgadm_ac.lm //
65 cfgadm_cardbus.lm //
66 cfgadm_fp.lm //
67 cfgadm_ib.lm //
68 cfgadm_pci.lm //
69 cfgadm_sata.lm //
70 cfgadm_sbd.lm //
71 cfgadm_scsi.lm //
72 cfgadm_sysctrl.lm //
73 cfgadm_usb.lm //
74 cfsadmin.lm //
75 chat.lm //
76 check-hostname.lm //
77 check-permissions.lm //
78 chroot.lm //
79 clear_locks.lm //
80 clinfo.lm //
81 clri.lm //
82 consadm.lm //
83 conv_lp.lm //
84 conv_lpd.lm //
85 coreadm.lm //
86 cpustat.lm //
87 cron.lm //
88 cryptoadm.lm //
89 dataadm.lm //
90 dd.lm //
91 devattr.lm //
92 devfree.lm //
93 devfsadm.lm //
94 device_remap.lm //
95 devinfo.lm //
96 devlinks.lm //
97 devnm.lm //
98 devprop.lm //
99 devreserv.lm //
100 df.lm //
101 df_ufs.lm //
102 dfmounts.lm //
103 dfmounts_nfs.lm //
104 dfshares.lm //
105 dfshares_nfs.lm //
106 dhcpagent.lm //
107 dhcpconfig.lm //
108 dhcpmgr.lm //
109 dhtadm.lm //
110 disks.lm //
111 diskscan.lm //
112 dispadmin.lm //
113 dladm.lm //
114 dlmgmt.lm //
115 dmesg.lm //
116 dminfo.lm //
117 dns-sd.lm //
118 domainname.lm //
119 drvconfig.lm //
120 dsbitmap.lm //
121 dscfg.lm //
122 dscfgadm.lm //
123 dscfglockd.lm //
124 dsstat.lm //
125 dsvclockd.lm //
126 dtrace.lm //
127 dumpadm.lm //

```

128          editmap.lm          //
129          edquota.lm          //
130          eeprom.lm           //
131          embedded_su.lm      //
132          etrn.lm             //
133          fcinfo.lm           //
134          fdetach.lm          //
135          fdisk.lm            //
136          ff.lm               //
137          ff_ufs.lm           //
138          fiocompress.lm     //
139          flowadm.lm          //
140          fmadm.lm            //
141          fmd.lm              //
142          fmdump.lm           //
143          fmstat.lm           //
144          fmthard.lm          //
145          format.lm           //
146          fruadm.lm           //
147          fsck.lm             //
148          fsck_cacheufs.lm    //
149          fsck_pcfs.lm        //
150          fsck_ufs.lm         //
151          fsck_ufs.lm         //
152          fsdb.lm             //
153          fsdb_ufs.lm         //
154          fsdb_ufs.lm         //
155          fsirand.lm          //
156          fssnap.lm           //
157          fssnap_ufs.lm       //
158          fsstat.lm           //
159          fstyp.lm            //
160          fuser.lm            //
161          fwflash.lm          //
162          fwtmp.lm            //
163          getdev.lm           //
164          getdevpolicy.lm     //
165          getdgrp.lm          //
166          getent.lm           //
167          gettable.lm         //
168          getty.lm            //
169          getvol.lm           //
170          groupadd.lm         //
171          groupdel.lm         //
172          groupmod.lm         //
173          growfs.lm           //
174          gsscred.lm          //
175          gssd.lm             //
176          hal-device.lm       //
177          hal-fdi-validate.lm //
178          hal-find.lm         //
179          hal-get-property.lm //
180          hald.lm             //
181          halt.lm             //
182          hextoalabel.lm      //
183          hostconfig.lm       //
184          htable.lm           //
185          ickey.lm            //
186          id.lm               //
187          idmap.lm            //
188          idmpd.lm            //
189          idsconfig.lm        //
190          if_mpadm.lm         //
191          ifconfig.lm         //
192          ifparse.lm          //
193          iiadm.lm            //

```

```

194          iicpbmp.lm         //
195          iicpshd.lm         //
196          ikeadm.lm          //
197          ikecert.lm         //
198          in.chargend.lm     //
199          in.comsat.lm       //
200          in.daytimed.lm     //
201          in.dhcpd.lm        //
202          in.discardd.lm     //
203          in.echod.lm        //
204          in.fingerd.lm     //
205          in.iked.lm         //
206          in.lpd.lm          //
207          in.mpathd.lm       //
208          in.ndpd.lm         //
209          in.rarpd.lm        //
210          in.rdisc.lm        //
211          in.rexecd.lm       //
212          in.ripngd.lm       //
213          in.rlogind.lm      //
214          in.routed.lm       //
215          in.rshd.lm         //
216          in.rwhod.lm        //
217          in.talkd.lm        //
218          in.telnetd.lm      //
219          in.tftpd.lm        //
220          in.timed.lm        //
221          in.uucpd.lm        //
222          inetadm.lm         //
223          inetconv.lm        //
224          inetd.lm           //
225          infocmp.lm         //
226          init.lm            //
227          inityp2l.lm        //
228          install.lm         //
229          installf.lm        //
230          installgrub.lm     //
231          intrd.lm           //
232          intrstat.lm        //
233          iostat.lm          //
234          ipaddrsel.lm       //
235          ipadm.lm           //
236          ipdadm.lm          //
237          ipf.lm             //
238          ipfs.lm            //
239          ipfstat.lm         //
240          ipmon.lm           //
241          ipmpstat.lm        //
242          ipnat.lm           //
243          ippool.lm          //
244          ipqosconf.lm       //
245          ipsecalgs.lm       //
246          ipsecconf.lm       //
247          ipseckey.lm        //
248          iscsiadm.lm        //
249          isns.lm            //
250          isnsadm.lm         //
251          itadm.lm           //
252          k5srvutil.lm       //
253          kadb.lm            //
254          kadmin.lm          //
255          kadmind.lm         //
256          kcliend.lm         //
257          kdb5_ldap_util.lm  //
258          kdb5_util.lm       //
259          kdcmgr.lm          //

```

```

260 kernel.lm //
261 keyserv.lm //
262 killall.lm //
263 kprop.lm //
264 kpropd.lm //
265 kproplog.lm //
266 krb5kdc.lm //
267 ksslcfg.lm //
268 kstat.lm //
269 ktkk_warnd.lm //
270 labelit.lm //
271 labelit_hfs.lm //
272 labelit_udfs.lm //
273 labelit_ufs.lm //
274 latencytop.lm //
275 ldap_cachemgr.lm //
276 ldapaddent.lm //
277 ldapclient.lm //
278 link.lm //
279 listdgrp.lm //
280 listen.lm //
281 locator.lm //
282 lockfs.lm //
283 lockstat.lm //
284 lofiadm.lm //
285 logadm.lm //
286 logins.lm //
287 lpadmin.lm //
288 lpfilter.lm //
289 lpforms.lm //
290 lpget.lm //
291 lpmove.lm //
292 lpsched.lm //
293 lpset.lm //
294 lpshut.lm //
295 lpssystem.lm //
296 lpusers.lm //
297 luxadm.lm //
298 mail.local.lm //
299 mailwrapper.lm //
300 #endif /* ! codereview */
301 makedbm.lm //
302 makemap.lm //
303 mdmonitord.lm //
304 medstat.lm //
305 metaclear.lm //
306 metadb.lm //
307 metadevadm.lm //
308 metahs.lm //
309 metaimport.lm //
310 metainit.lm //
311 metaoffline.lm //
312 metaparam.lm //
313 metarecover.lm //
314 metarename.lm //
315 metareplace.lm //
316 metaroot.lm //
317 metaset.lm //
318 metassist.lm //
319 metastat.lm //
320 metasync.lm //
321 metattach.lm //
322 mkdevalloc.lm //
323 mkdevmaps.lm //
324 mkfifo.lm //
325 mkfile.lm //

```

```

326 mkfs.lm //
327 mkfs_pcfs.lm //
328 mkfs_udfs.lm //
329 mkfs_ufs.lm //
330 mknod.lm //
331 mkpwdict.lm //
332 modinfo.lm //
333 modload.lm //
334 modunload.lm //
335 mount.lm //
336 mount_cacheufs.lm //
337 mount_hfs.lm //
338 mount_nfs.lm //
339 mount_pcfs.lm //
340 mount_smbfs.lm //
341 mount_tmpfs.lm //
342 mount_udfs.lm //
343 mount_ufs.lm //
344 mountall.lm //
345 mountd.lm //
346 mpathadm.lm //
347 mpstat.lm //
348 msgid.lm //
349 mvdir.lm //
350 ncaconfd.lm //
351 ncheck.lm //
352 ncheck_ufs.lm //
353 ndd.lm //
354 ndmpadm.lm //
355 ndmpd.lm //
356 ndmpstat.lm //
357 netstat.lm //
358 netstrategy.lm //
359 newaliases.lm //
360 newfs.lm //
361 newkey.lm //
362 nfs4cbd.lm //
363 nfsd.lm //
364 nfslogd.lm //
365 nfsmapid.lm //
366 nfsstat.lm //
367 nlsadmin.lm //
368 nscadm.lm //
369 nscd.lm //
370 nwamd.lm //
371 passmgmt.lm //
372 pbind.lm //
373 picld.lm //
374 ping.lm //
375 pkgadd.lm //
376 pkgadm.lm //
377 pkgask.lm //
378 pkgchk.lm //
379 pkgrm.lm //
380 plockstat.lm //
381 pmadm.lm //
382 pmconfig.lm //
383 pntadm.lm //
384 polkit-is-privileged.lm //
385 pooladm.lm //
386 poolbind.lm //
387 poolcfg.lm //
388 poold.lm //
389 poolstat.lm //
390 ports.lm //
391 powerd.lm //

```

```

392          powertop.1m          //
393          pppmgr.1m            //
394          pppd.1m              //
395          pppdump.1m           //
396          pppoec.1m            //
397          pppoed.1m            //
398          pppstats.1m          //
399          praudit.1m           //
400          print-service.1m     //
401          printmgr.1m          //
402          projadd.1m           //
403          projdel.1m           //
404          projmod.1m           //
405          prstat.1m            //
406          prtconf.1m           //
407          prtdiag.1m           //
408          prtfru.1m            //
409          prtpicl.1m           //
410          prtvtoc.1m           //
411          psradm.1m            //
412          psrinfo.1m           //
413          psrset.1m            //
414          putdev.1m            //
415          putdgrp.1m           //
416          pwck.1m              //
417          pwconv.1m            //
418          quot.1m              //
419          quota.1m             //
420          quotacheck.1m        //
421          quotaon.1m           //
422          raidctl.1m           //
423          ramdiskadm.1m        //
424          rcapadm.1m           //
425          rcapd.1m             //
426          rctladm.1m           //
427          rdate.1m             //
428          reboot.1m            //
429          rem_drv.1m            //
430          remove_allocatable.1m //
431          removef.1m           //
432          repquota.1m          //
433          rmmount.1m           //
434          rmt.1m                //
435          rmvolmgr.1m          //
436          roleadd.1m           //
437          roledel.1m           //
438          rolemod.1m           //
439          root_archive.1m      //
440          route.1m             //
441          routeadm.1m          //
442          rpc.bootparamd.1m     //
443          rpc.mdcmmnd.1m        //
444          rpc.metad.1m          //
445          rpc.metamedd.1m       //
446          rpc.metamhd.1m        //
447          rpc.rexd.1m           //
448          rpc.rstatd.1m         //
449          rpc.rusersd.1m        //
450          rpc.rwalld.1m         //
451          rpc.smsvervd.1m       //
452          rpc.sprayd.1m         //
453          rpc.yppasswdd.1m      //
454          rpc.yppupdated.1m     //
455          rpcbind.1m            //
456          rpcinfo.1m            //
457          rquotad.1m           //

```

```

458          rsh.1m               //
459          rtc.1m                //
460          rtquery.1m           //
461          runacct.1m           //
462          rwall.1m             //
463          sac.1m                //
464          sacadm.1m            //
465          saf.1m                //
466          sar.1m                //
467          sasinfo.1m           //
468          savecore.1m          //
469          sbdadm.1m            //
470          scadm.1m              //
471          scmadm.1m            //
472          sdpadm.1m            //
473          sendmail.1m          //
474          setuname.1m          //
475          sftp-server.1m       //
476          share.1m             //
477          share_nfs.1m         //
478          shareall.1m          //
479          sharectl.1m          //
480          sharemgr.1m          //
481          showmount.1m         //
482          shutdown.1m         //
483          slpd.1m               //
484          smbadm.1m            //
485          smbd.1m               //
486          smbiod.1m            //
487          smbios.1m            //
488          smbstat.1m           //
489          smrsh.1m              //
490          smtnrhd.1m           //
491          smtnrhtp.1m          //
492          smtnzonecfg.1m       //
493          sndradm.1m           //
494          sndrd.1m              //
495          sndrsyncd.1m         //
496          snoop.1m             //
497          soconfig.1m          //
498          sppptun.1m           //
499          spray.1m             //
500          ssh-keysign.1m       //
501          sshd.1m              //
502          statd.1m             //
503          stmfadm.1m           //
504          stmsboot.1m          //
505          strace.1m             //
506          strclean.1m          //
507          strerr.1m             //
508          sttydefs.1m          //
509          su.1m                 //
510          sulogin.1m           //
511          svadm.1m              //
512          svc.configd.1m       //
513          svc.ipfd.1m          //
514          svc.startd.1m        //
515          svcadm.1m            //
516          svccfg.1m            //
517          swap.1m               //
518          sync.1m              //
519          syncinit.1m          //
520          syncloop.1m          //
521          syncstat.1m          //
522          sysdef.1m            //
523          syseventadm.1m       //

```

```

524 syseventconfd.1m //
525 syseventd.1m //
526 syslogd.1m //
527 tapes.1m //
528 tcpd.1m //
529 tcpdchk.1m //
530 tcpdmatch.1m //
531 th_define.1m //
532 th_manage.1m //
533 tic.1m //
534 tnchkdb.1m //
535 tnctl.1m //
536 tnd.1m //
537 tninfo.1m //
538 tpmadm.1m //
539 traceroute.1m //
540 trapstat.1m //
541 ttyadm.1m //
542 ttymon.1m //
543 tunefts.1m //
544 txzonemgr.1m //
545 tzselect.1m //
546 uadmin.1m //
547 ucodeadm.1m //
548 ufsdump.1m //
549 ufsrestore.1m //
550 unshare.1m //
551 unshare_nfs.1m //
552 update_drv.1m //
553 updatehome.1m //
554 useradd.1m //
555 userdel.1m //
556 usermod.1m //
557 utmpd.1m //
558 uuchek.1m //
559 uucico.1m //
560 uucleanup.1m //
561 uusched.1m //
562 uuxqt.1m //
563 vmstat.1m //
564 volcopy.1m //
565 volcopy_ufs.1m //
566 vscanadm.1m //
567 vscand.1m //
568 wall.1m //
569 wanboot_keygen.1m //
570 wanboot_keygmt.1m //
571 wanboot_pl2split.1m //
572 wanbootutil.1m //
573 whodo.1m //
574 wificonfig.1m //
575 wpad.1m //
576 wracct.1m //
577 wusbadm.1m //
578 ypbind.1m //
579 yppinit.1m //
580 yppmake.1m //
581 yppmap2src.1m //
582 yppoll.1m //
583 yppush.1m //
584 ypserv.1m //
585 ypset.1m //
586 ypstart.1m //
587 ypxfr.1m //
588 zdb.1m //
589 zdump.1m //

```

```

590 zfs.1m //
591 zic.1m //
592 zoneadm.1m //
593 zoneadm.1m //
594 zonecfg.1m //
595 zpool.1m //
596 zstreamdump.1m //

598 i386_MANFILES= //
599 lms.1m //

601 sparc_MANFILES= cvcd.1m //
602 dcs.1m //
603 drd.1m //
604 efdaemon.1m //
605 ldmad.1m //
606 monitor.1m //
607 obpsym.1m //
608 oplhpd.1m //
609 prtdscp.1m //
610 sckmd.1m //
611 sf880drd.1m //
612 vntsd.1m //

614 MANLINKS= //
615 acctcon1.1m //
616 acctcon2.1m //
617 acctdisk.1m //
618 acctdusg.1m //
619 accton.1m //
620 acctprc1.1m //
621 acctprc2.1m //
622 acctwtmp.1m //
623 bootparamd.1m //
624 chargefee.1m //
625 ckpact.1m //
626 closewtmp.1m //
627 comsat.1m //
628 dcopy.1m //
629 devfsadmd.1m //
630 dodisk.1m //
631 fcadm.1m //
632 fingerd.1m //
633 grpck.1m //
634 hal-find-by-capability.1m //
635 hal-find-by-property.1m //
636 hal-set-property.1m //
637 intro.1m //
638 kadmin.local.1m //
639 lastlogin.1m //
640 metadetch.1m //
641 metaonline.1m //
642 monacct.1m //
643 nulladm.1m //
644 poweroff.1m //
645 prctmp.1m //
646 prdaily.1m //
647 prtacct.1m //
648 quotaoff.1m //
649 rarpd.1m //
650 rdisc.1m //
651 reject.1m //
652 restricted_shell.1m //
653 rexd.1m //
654 rexecd.1m //
655 rlogind.1m //
656 routed.1m //

```

```

656      rshd.1m          \
657      rstatd.1m       \
658      rusersd.1m      \
659      rwall.1m        \
660      rwhod.1m        \
661      sal.1m          \
662      sa2.1m          \
663      sadc.1m         \
664      shutacct.1m     \
665      sprayd.1m       \
666      startup.1m      \
667      talkd.1m        \
668      telinit.1m      \
669      telnetd.1m      \
670      tftpd.1m        \
671      turnacct.1m     \
672      umount.1m       \
673      umount_smbfs.1m \
674      umountall.1m    \
675      unlink.1m       \
676      unshareall.1m   \
677      utmp2wtmp.1m    \
678      uucpd.1m        \
679      uutry.1m        \
680      wtmpfix.1m      \
681      yppasswdd.1m    \
682      ypstop.1m       \
683      yppupdated.1m   \
684      ypxfr_1perday.1m \
685      ypxfr_1perhour.1m \
686      ypxfr_2perday.1m \
687      ypxfrd.1m       \

689 MANFILES=      $( _MANFILES ) $( $(MACH)_MANFILES )

691 intro.1m        := LINKSRC = Intro.1m

693 uutry.1m        := LINKSRC = Uutry.1m

695 reject.1m       := LINKSRC = accept.1m

697 acctdisk.1m     := LINKSRC = acct.1m
698 acctdusg.1m     := LINKSRC = acct.1m
699 accton.1m        := LINKSRC = acct.1m
700 acctwtmp.1m     := LINKSRC = acct.1m
701 closetmp.1m     := LINKSRC = acct.1m
702 utmp2wtmp.1m    := LINKSRC = acct.1m

704 acctcon1.1m     := LINKSRC = acctcon.1m
705 acctcon2.1m     := LINKSRC = acctcon.1m

707 acctprc1.1m     := LINKSRC = acctprc.1m
708 acctprc2.1m     := LINKSRC = acctprc.1m

710 chargefee.1m    := LINKSRC = acctsh.1m
711 ckpacct.1m      := LINKSRC = acctsh.1m
712 dodisk.1m       := LINKSRC = acctsh.1m
713 lastlogin.1m    := LINKSRC = acctsh.1m
714 monacct.1m      := LINKSRC = acctsh.1m
715 nulladm.1m      := LINKSRC = acctsh.1m
716 prctmp.1m       := LINKSRC = acctsh.1m
717 prdaily.1m      := LINKSRC = acctsh.1m
718 prtacct.1m      := LINKSRC = acctsh.1m
719 shutacct.1m     := LINKSRC = acctsh.1m
720 startup.1m      := LINKSRC = acctsh.1m
721 turnacct.1m     := LINKSRC = acctsh.1m

```

```

723 dcopy.1m        := LINKSRC = clri.1m

725 devfsadmd.1m   := LINKSRC = devfsadm.1m

727 fcadm.1m       := LINKSRC = fcinfo.1m

729 wtmpfix.1m     := LINKSRC = fwtmp.1m

731 hal-find-by-capability.1m := LINKSRC = hal-find.1m
732 hal-find-by-property.1m  := LINKSRC = hal-find.1m

734 hal-set-property.1m     := LINKSRC = hal-get-property.1m

736 poweroff.1m            := LINKSRC = halt.1m

738 comsat.1m              := LINKSRC = in.comsat.1m
739 fingerd.1m            := LINKSRC = in.fingerd.1m
740 rarpd.1m               := LINKSRC = in.rarpd.1m
741 rdisc.1m              := LINKSRC = in.rdisc.1m
742 rexecd.1m             := LINKSRC = in.rexecd.1m
743 rlogind.1m            := LINKSRC = in.rlogind.1m
744 routed.1m            := LINKSRC = in.routed.1m
745 rshd.1m               := LINKSRC = in.rshd.1m
746 rwhod.1m              := LINKSRC = in.rwhod.1m
747 talkd.1m             := LINKSRC = in.talkd.1m
748 telnetd.1m           := LINKSRC = in.telnetd.1m
749 tftpd.1m             := LINKSRC = in.tftpd.1m
750 uucpd.1m             := LINKSRC = in.uucpd.1m

752 telinit.1m          := LINKSRC = init.1m

754 kadmin.local.1m     := LINKSRC = kadmin.1m

756 unlink.1m          := LINKSRC = link.1m

758 metaonline.1m      := LINKSRC = metaoffline.1m

760 metadetach.1m      := LINKSRC = metattach.1m

762 umount.1m          := LINKSRC = mount.1m

764 umount_smbfs.1m    := LINKSRC = mount_smbfs.1m

766 umountall.1m       := LINKSRC = mountall.1m

768 grpck.1m           := LINKSRC = pwck.1m

770 quotaoff.1m        := LINKSRC = quotaon.1m

772 bootparamd.1m      := LINKSRC = rpc.bootparamd.1m
773 rexd.1m            := LINKSRC = rpc.rexd.1m
774 rstatd.1m          := LINKSRC = rpc.rstatd.1m
775 rusersd.1m         := LINKSRC = rpc.rusersd.1m
776 rwall.1m           := LINKSRC = rpc.rwall.1m
777 sprayd.1m          := LINKSRC = rpc.sprayd.1m
778 yppasswdd.1m       := LINKSRC = rpc.yppasswdd.1m
779 yppupdated.1m      := LINKSRC = rpc.yppupdated.1m

781 restricted_shell.1m := LINKSRC = rsh.1m

783 sal.1m             := LINKSRC = sar.1m
784 sa2.1m             := LINKSRC = sar.1m
785 sadc.1m            := LINKSRC = sar.1m

787 unshareall.1m      := LINKSRC = shareall.1m

```

```
789 ypxfrd.lm           := LINKSRC = ypserv.lm
791 ypstop.lm          := LINKSRC = ypstart.lm
793 ypxfr_1perday.lm    := LINKSRC = ypxfr.lm
794 ypxfr_1perhour.lm  := LINKSRC = ypxfr.lm
795 ypxfr_2perday.lm    := LINKSRC = ypxfr.lm

798 .KEEP_STATE:

800 include             $(SRC)/man/Makefile.man
802 install:           $(ROOTMANFILES) $(ROOTMANLINKS)
```

```

*****
4561 Mon Sep 22 12:11:26 2014
new/usr/src/man/man1m/mailwrapper.1m
5166 sendmail package should be replaceable
*****
1 .\"      $OpenBSD: mailwrapper.8,v 1.10 2009/02/07 16:58:23 martynas Exp $
2 .\"      $NetBSD: mailwrapper.8,v 1.11 2002/02/08 01:38:50 ross Exp $
3 .\"      $FreeBSD: releng/9.1/usr.sbin/mailwrapper/mailwrapper.8 205938 2010-03-30 21
4 .\"
5 .\"      Copyright (c) 1998
6 .\"      Perry E. Metzger.  All rights reserved.
7 .\"
8 .\"      Redistribution and use in source and binary forms, with or without
9 .\"      modification, are permitted provided that the following conditions
10 .\"      are met:
11 .\"      1. Redistributions of source code must retain the above copyright
12 .\"      notice, this list of conditions and the following disclaimer.
13 .\"      2. Redistributions in binary form must reproduce the above copyright
14 .\"      notice, this list of conditions and the following disclaimer in the
15 .\"      documentation and/or other materials provided with the distribution.
16 .\"      3. All advertising materials mentioning features or use of this software
17 .\"      must display the following acknowledgment:
18 .\"      This product includes software developed for the NetBSD Project
19 .\"      by Perry E. Metzger.
20 .\"      4. The name of the author may not be used to endorse or promote products
21 .\"      derived from this software without specific prior written permission.
22 .\"
23 .\"      THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
24 .\"      IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
25 .\"      OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
26 .\"      IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
27 .\"      INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
28 .\"      NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
29 .\"      DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
30 .\"      THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
31 .\"      (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
32 .\"      THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
33 .\"
34 .Dd August 7, 2006
35 .Dt MAILWRAPPER 1M
36 .Os
37 .Sh NAME
38 .Nm \fB/usr/lib/mailwrapper\fR
39 .Nd invoke appropriate MTA software based on configuration file
40 .Sh SYNOPSIS
41 Special.
42 See below.
43 .Sh DESCRIPTION
44 At one time, the only Mail Transfer Agent (MTA) software easily available
45 was
46 .Xr sendmail 1M .
47 As a result of this, most Mail User Agents (MUAs) such as
48 .Xr mail 1
49 had the path and calling conventions expected by
50 .Xr sendmail 1M
51 compiled in.
52 .Pp
53 Times have changed, however.
54 On a modern
55 .Ux
56 system, the administrator may wish to use one of several
57 available MTAs.
58 .Pp
59 It would be difficult to modify all MUA software typically available
60 on a system, so most of the authors of alternative MTAs have written
61 their front end message submission programs so that they use the same

```

```

62 calling conventions as
63 .Xr sendmail 1M
64 and may be put into place instead of
65 .Xr sendmail 1M
66 in
67 .Pa /usr/lib/sendmail .
68 .Pp
69 .Xr sendmail 1M
70 also typically has aliases named
71 .Xr mailq 1
72 and
73 .Xr newaliases 1M
74 linked to it.
75 The program knows to behave differently when its
76 .Va argv[0]
77 is
78 .Dq mailq
79 or
80 .Dq newaliases
81 and behaves appropriately.
82 Typically, replacement MTAs provide similar
83 functionality, either through a program that also switches behavior
84 based on calling name, or through a set of programs that provide
85 similar functionality.
86 .Pp
87 Although having drop-in replacements for
88 .Xr sendmail 1M
89 helps in installing alternative MTAs, it essentially makes the
90 configuration of the system depend on hand installing new programs in
91 .Pa /usr .
92 This leads to configuration problems for many administrators, since
93 they may wish to install a new MTA without altering the system
94 provided
95 .Pa /usr .
96 (This may be, for example, to avoid having upgrade problems when a new
97 version of the system is installed over the old.)
98 They may also have a shared
99 .Pa /usr
100 among several
101 machines, and may wish to avoid placing implicit configuration
102 information in a read-only
103 .Pa /usr .
104 .Pp
105 The
106 .Nm
107 utility is designed to replace
108 .Pa /usr/lib/sendmail
109 and to invoke an appropriate MTA instead of
110 .Xr sendmail 1M
111 based on configuration information placed in
112 .Pa /etc/mailer.conf .
113 This permits the administrator to configure which MTA is to be invoked on
114 the system at run time.
115 .Pp
116 Other configuration files may need to be altered when replacing
117 .Xr sendmail 1M .
118 .Sh EXIT STATUS
119 .Ex -std
120 .Sh DIAGNOSTICS
121 The
122 .Nm
123 will print a diagnostic if its configuration file is missing or malformed,
124 or does not contain a mapping for the name under which it was invoked.
125 .Sh SEE ALSO
126 .Xr mail 1 ,
127 .Xr mailq 1 ,

```

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

3

```
128 .Xr newaliases 1M ,
129 .Xr mailer.conf 5 ,
130 .Xr sendmail 1M
131 #endif /* ! codereview */
```

```

*****
5576 Mon Sep 22 12:11:27 2014
new/usr/src/man/man4/Makefile
5166 sendmail package should be replaceable
*****
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet
9 # at http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright 2011, Richard Lowe
14 # Copyright 2013 Nexenta Systems, Inc. All rights reserved.
15 #
16 #
17 include $(SRC)/Makefile.master
18 #
19 MANSECT= 4
20 #
21 _MANFILES= Intro.4 \
22 NISLDAPmapping.4 \
23 a.out.4 \
24 admin.4 \
25 alias.4 \
26 aliases.4 \
27 au.4 \
28 audit.log.4 \
29 audit_class.4 \
30 audit_control.4 \
31 audit_event.4 \
32 audit_user.4 \
33 auth_attr.4 \
34 autofs.4 \
35 bart_manifest.4 \
36 bart_rules.4 \
37 bootparams.4 \
38 cardbus.4 \
39 compver.4 \
40 contents.4 \
41 contract.4 \
42 copyright.4 \
43 core.4 \
44 crypt.conf.4 \
45 crypto_certs.4 \
46 d_passwd.4 \
47 dacf.conf.4 \
48 dat.conf.4 \
49 default_fs.4 \
50 defaultdomain.4 \
51 defaultrouter.4 \
52 depend.4 \
53 device_allocate.4 \
54 device_contract.4 \
55 device_maps.4 \
56 devices.4 \
57 dfstab.4 \
58 dhcp_inittab.4 \
59 dhcp_network.4 \
60 dhcpcsvc.conf.4 \
61 dhcptab.4

```

```

62 dialups.4 \
63 dir_ufs.4 \
64 driver.conf.4 \
65 ds.log.4 \
66 ethers.4 \
67 exec_attr.4 \
68 fdi.4 \
69 format.dat.4 \
70 fspec.4 \
71 fstypes.4 \
72 ftp.4 \
73 ftpusers.4 \
74 fx_dptbl.4 \
75 gateways.4 \
76 group.4 \
77 gsscred.conf.4 \
78 hba.conf.4 \
79 holidays.4 \
80 hosts.4 \
81 hosts.equiv.4 \
82 hosts_access.4 \
83 hosts_options.4 \
84 ib.4 \
85 ike.config.4 \
86 ike.preshared.4 \
87 inet_type.4 \
88 inetd.conf.4 \
89 init.4 \
90 init.d.4 \
91 inittab.4 \
92 ipaddrsel.conf.4 \
93 ipnodes.4 \
94 issue.4 \
95 kadm5.acl.4 \
96 kdc.conf.4 \
97 keytables.4 \
98 krb5.conf.4 \
99 ldapfilter.conf.4 \
100 ldapsearchprefs.conf.4 \
101 ldaptemplates.conf.4 \
102 logadm.conf.4 \
103 logindevperm.4 \
104 loginlog.4 \
105 magic.4 \
106 mailer.conf.4 \
107 #endif /* ! codereview */
108 md.tab.4 \
109 mddb.cf.4 \
110 mech.4 \
111 meddb.4 \
112 mnttab.4 \
113 mod_ipp.4 \
114 mpapi.conf.4 \
115 nca.if.4 \
116 ncad_addr.4 \
117 ncakmod.conf.4 \
118 ncalogd.conf.4 \
119 ncaport.conf.4 \
120 ndmp.4 \
121 ndpd.conf.4 \
122 netconfig.4 \
123 netgroup.4 \
124 netid.4 \
125 netmasks.4 \
126 netrc.4 \
127 networks.4

```

```

128     nfs.4 \
129     nfslog.conf.4 \
130     nfssec.conf.4 \
131     nodename.4 \
132     nologin.4 \
133     note.4 \
134     notrouter.4 \
135     nscd.conf.4 \
136     nsmbrc.4 \
137     nss.4 \
138     nsswitch.conf.4 \
139     packingrules.4 \
140     pam.conf.4 \
141     passwd.4 \
142     path_to_inst.4 \
143     pci.4 \
144     phones.4 \
145     pkginfo.4 \
146     pkgmap.4 \
147     policy.conf.4 \
148     power.conf.4 \
149     printers.4 \
150     printers.conf.4 \
151     priv_names.4 \
152     proc.4 \
153     process.4 \
154     prof_attr.4 \
155     profile.4 \
156     project.4 \
157     protocols.4 \
158     prototype.4 \
159     pseudo.4 \
160     publickey.4 \
161     queuedefs.4 \
162     rcmscript.4 \
163     rdc.cf.4 \
164     remote.4 \
165     resolv.conf.4 \
166     rmtab.4 \
167     rpc.4 \
168     rt_dptbl.4 \
169     sasl_appname.conf.4 \
170     scsi.4 \
171     securenets.4 \
172     sel_config.4 \
173     sendmail.4 \
174     service_bundle.4 \
175     service_provider.conf.4 \
176     services.4 \
177     shadow.4 \
178     sharetab.4 \
179     shells.4 \
180     slp.conf.4 \
181     slpd.reg.4 \
182     smb.4 \
183     smbautohome.4 \
184     smhba.conf.4 \
185     sndr.4 \
186     sock2path.d.4 \
187     space.4 \
188     ssh_config.4 \
189     sshd_config.4 \
190     sulog.4 \
191     syslog.conf.4 \
192     system.4 \
193     term.4 \

```

```

194     terminfo.4 \
195     timezone.4 \
196     tnf_kernel_probes.4 \
197     ts_dptbl.4 \
198     ttydefs.4 \
199     ttysrch.4 \
200     ufsdump.4 \
201     updaters.4 \
202     user_attr.4 \
203     utmp.4 \
204     utmpx.4 \
205     vfstab.4 \
206     volume-config.4 \
207     volume-request.4 \
208     wanboot.conf.4 \
209     warn.conf.4 \
210     ypfiles.4 \
211     yppasswdd.4 \
212     ypserv.4 \
213     zoneinfo.4 \
215     sparc_MANFILES= sbus.4 \
217     i386_MANFILES= sysbus.4 \
219     _MANLINKS= addresses.4 \
220     devid_cache.4 \
221     devname_cache.4 \
222     dir.4 \
223     dumpdates.4 \
224     fbtabs.4 \
225     forward.4 \
226     fs.4 \
227     hosts.allow.4 \
228     hosts.deny.4 \
229     intro.4 \
230     md.cf.4 \
231     mdi_ib_cache.4 \
232     mdi_scsi_vhci_cache.4 \
233     pci_unitaddr_persistent.4 \
234     pcie.4 \
235     qop.4 \
236     rhosts.4 \
237     sendmail.cf.4 \
238     snapshot_cache.4 \
239     submit.cf.4 \
240     volume-defaults.4 \
241     wtmp.4 \
242     wtmpx.4 \
244     i386_MANLINKS= isa.4 \
246     MANFILES= $(_MANFILES) $($ (MACH)_MANFILES) \
247     MANLINKS= $(_MANLINKS) $($ (MACH)_MANLINKS) \
249     intro.4 := LINKSRC = Intro.4 \
251     addresses.4 := LINKSRC = aliases.4 \
252     forward.4 := LINKSRC = aliases.4 \
254     fs.4 := LINKSRC = default_fs.4 \
256     devid_cache.4 := LINKSRC = devices.4 \
257     devname_cache.4 := LINKSRC = devices.4 \
258     mdi_ib_cache.4 := LINKSRC = devices.4 \
259     mdi_scsi_vhci_cache.4 := LINKSRC = devices.4 \

```

```
260 pci_unitaddr_persistent.4 := LINKSRC = devices.4
261 snapshot_cache.4        := LINKSRC = devices.4

263 dir.4                    := LINKSRC = dir_ufs.4

265 rhosts.4                := LINKSRC = hosts_equiv.4

267 hosts.allow.4           := LINKSRC = hosts_access.4
268 hosts.deny.4            := LINKSRC = hosts_access.4

270 fbtabs.4                := LINKSRC = logindevperm.4

272 md.cf.4                 := LINKSRC = md.tab.4

274 qop.4                   := LINKSRC = mech.4

276 pcie.4                  := LINKSRC = pci.4

278 sendmail.cf.4           := LINKSRC = sendmail.4
279 submit.cf.4             := LINKSRC = sendmail.4

281 isa.4                   := LINKSRC = sysbus.4

283 dumpdates.4            := LINKSRC = ufsdump.4

285 wtmp.4                  := LINKSRC = utmp.4

287 wtmpx.4                 := LINKSRC = utmpx.4

289 volume-defaults.4      := LINKSRC = volume-request.4

291 .KEEP_STATE:

293 include                  $(SRC)/man/Makefile.man

295 install:                 $(ROOTMANFILES) $(ROOTMANLINKS)
```

```

*****
3306 Mon Sep 22 12:11:27 2014
new/usr/src/man/man4/mailler.conf.4
5166 sendmail package should be replaceable
*****
1 .\"      $NetBSD: mailler.conf.5,v 1.2 1999/05/29 18:18:30 christos Exp $
2 .\"
3 .\" Copyright (c) 1998
4 .\"      Perry E. Metzger. All rights reserved.
5 .\"
6 .\" Redistribution and use in source and binary forms, with or without
7 .\" modification, are permitted provided that the following conditions
8 .\" are met:
9 .\" 1. Redistributions of source code must retain the above copyright
10 .\" notice, this list of conditions and the following disclaimer.
11 .\" 2. Redistributions in binary form must reproduce the above copyright
12 .\" notice, this list of conditions and the following disclaimer in the
13 .\" documentation and/or other materials provided with the distribution.
14 .\" 3. All advertising materials mentioning features or use of this software
15 .\" must display the following acknowledgment:
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17 .\" by Perry E. Metzger.
18 .\" 4. The name of the author may not be used to endorse or promote products
19 .\" derived from this software without specific prior written permission.
20 .\"
21 .\" THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
22 .\" IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
23 .\" OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
24 .\" IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
25 .\" INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
26 .\" NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
27 .\" DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
28 .\" THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
29 .\" (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
30 .\" THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
31 .\"
32 .\" $FreeBSD: releng/9.1/share/man/man5/mailler.conf.5 213609 2010-10-08 20:13:12
33 .\"
34 .Dd October 8, 2010
35 .Dt MAILER.CONF 4
36 .Os
37 .Sh NAME
38 .Nm mailler.conf
39 .Nd configuration file for
40 .Xr mailwrapper 1m
41 .Sh DESCRIPTION
42 The file
43 .Pa /etc/mailler.conf
44 contains a series of lines of the form
45 .Pp
46 .Ar name
47 .Ar program
48 .Op Ar arguments ...
49 .Pp
50 The first word of each line is the
51 .Ar name
52 of a program invoking
53 .Xr mailwrapper 1m .
54 (For example, on a typical system
55 .Pa /usr/lib/sendmail
56 would be a symbolic link to
57 .Xr mailwrapper 8 ,
58 as would
59 .Xr newaliases 1
60 and
61 .Xr mailq 1 .

```

```

62 Thus,
63 .Ar name
64 might be
65 .Dq Li sendmail
66 or
67 .Dq Li newaliases
68 etc.)
69 .Pp
70 The second word of each line is the name of the
71 .Ar program
72 to actually execute when the first name is invoked.
73 .Pp
74 The further
75 .Ar arguments ,
76 if any, are passed to the
77 .Ar program ,
78 followed by the arguments
79 .Xr mailwrapper 1m
80 was called with.
81 .Pp
82 The file may also contain comment lines, denoted by a
83 .Ql #
84 mark in the first column of any line.
85 .Sh FILES
86 /etc/mail/mailler.conf
87 .Sh EXAMPLES
88 This example shows how to set up
89 .Nm
90 to invoke the traditional
91 .Xr sendmail 8
92 program:
93 .Bd -literal -offset indent
94 # Execute the "real" sendmail program located in
95 # /usr/lib/smtp/sendmail/sendmail
96 sendmail /usr/lib/smtp/sendmail/sendmail
97 mailq /usr/lib/smtp/sendmail/sendmail
98 newaliases /usr/lib/smtp/sendmail/sendmail
99 .Ed
100 .Sh SEE ALSO
101 .Xr mail 1 ,
102 .Xr mailq 1 ,
103 .Xr newaliases 1m ,
104 .Xr mailwrapper 1m ,
105 .Xr sendmail 1m
106 .Sh AUTHORS
107 .An Perry E. Metzger Aq permy@piermont.com
108 #endif /* ! codereview */

```

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

1

```
*****
89788 Mon Sep 22 12:11:28 2014
new/usr/src/pkg/manifests/SUNWcs.mf
5166 sendmail package should be replaceable
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
25 # Copyright (c) 2013 Gary Mills
26 #
27 #
28 <include SUNWcs.man1.inc>
29 <include SUNWcs.man1m.inc>
30 <include SUNWcs.man4.inc>
31 <include SUNWcs.man5.inc>
32 <include SUNWcs.man7d.inc>
33 <include SUNWcs.man7fs.inc>
34 set name=pkg.fmri value=pkg:/SUNWcs@$(PKGVERS)
35 set name=pkg.description \
36     value="core software for a specific instruction-set architecture"
37 set name=pkg.summary value="Core Solaris"
38 set name=info.classification value=org.opensolaris.category.2008:System/Core
39 set name=variant.arch value=$(ARCH)
40 dir path=dev group=sys
41 dir path=etc group=sys
42 dir path=etc/cron.d group=sys
43 dir path=etc/crypto group=sys
44 dir path=etc/crypto/certs group=sys
45 dir path=etc/crypto/crls group=sys
46 dir path=etc/default group=sys
47 dir path=etc/dev group=sys
48 dir path=etc/devices group=sys
49 dir path=etc/dfs group=sys
50 dir path=etc/dhcp group=sys
51 dir path=etc/fs group=sys
52 dir path=etc/fs/dev group=sys
53 dir path=etc/fs/hsfs group=sys
54 dir path=etc/fs/ufs group=sys
55 dir path=etc/ftpd group=sys
56 dir path=etc/inet group=sys
57 dir path=etc/init.d group=sys
58 dir path=etc/lib group=sys
59 dir path=etc/logadm.d group=sys
60 dir path=etc/mail group=mail
61 dir path=etc/net group=sys
```

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

2

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

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

3

```
128 dir path=proc group=root mode=0555
129 dir path=root group=root mode=0700
130 dir path=sbin group=sys
131 dir path=system group=root
132 dir path=system/contract group=root mode=0555
133 dir path=system/object group=root mode=0555
134 dir path=tmp group=sys mode=1777
135 dir path=usr group=sys
136 dir path=usr/bin
137 dir path=usr/bin/$(ARCH32)
138 dir path=usr/bin/$(ARCH64)
139 dir path=usr/ccs
140 dir path=usr/ccs/bin
141 dir path=usr/demo
142 dir path=usr/games
143 dir path=usr/has
144 dir path=usr/has/bin
145 dir path=usr/has/lib
146 dir path=usr/has/man
147 dir path=usr/has/man/man1has
148 dir path=usr/kernel group=sys
149 dir path=usr/kernel/drv group=sys
150 dir path=usr/kernel/drv/$(ARCH64) group=sys
151 dir path=usr/kernel/exec group=sys
152 dir path=usr/kernel/exec/$(ARCH64) group=sys
153 dir path=usr/kernel/fs group=sys
154 dir path=usr/kernel/fs/$(ARCH64) group=sys
155 dir path=usr/kernel/pcbe group=sys
156 dir path=usr/kernel/pcbe/$(ARCH64) group=sys
157 dir path=usr/kernel/sched group=sys
158 dir path=usr/kernel/sched/$(ARCH64) group=sys
159 dir path=usr/kernel/strmod group=sys
160 dir path=usr/kernel/strmod/$(ARCH64) group=sys
161 dir path=usr/kernel/sys group=sys
162 dir path=usr/kernel/sys/$(ARCH64) group=sys
163 dir path=usr/kvm
164 dir path=usr/lib
165 dir path=usr/lib/$(ARCH64)
166 dir path=usr/lib/audit
167 dir path=usr/lib/class
168 dir path=usr/lib/class/FX
169 dir path=usr/lib/class/IA
170 dir path=usr/lib/class/RT
171 dir path=usr/lib/class/SDC
172 dir path=usr/lib/class/TS
173 dir path=usr/lib/crypto
174 dir path=usr/lib/devfsadm group=sys
175 dir path=usr/lib/devfsadm/linkmod group=sys
176 dir path=usr/lib/fs group=sys
177 dir path=usr/lib/fs/autofs group=sys
178 dir path=usr/lib/fs/autofs/$(ARCH64) group=sys
179 dir path=usr/lib/fs/cachefs group=sys
180 dir path=usr/lib/fs/ctfs group=sys
181 dir path=usr/lib/fs/dev group=sys
182 dir path=usr/lib/fs/fd group=sys
183 dir path=usr/lib/fs/hsfs group=sys
184 dir path=usr/lib/fs/lofs group=sys
185 dir path=usr/lib/fs/mntfs group=sys
186 dir path=usr/lib/fs/nfs group=sys
187 dir path=usr/lib/fs/nfs/$(ARCH64) group=sys
188 dir path=usr/lib/fs/objfs group=sys
189 dir path=usr/lib/fs/proc group=sys
190 dir path=usr/lib/fs/sharefs group=sys
191 dir path=usr/lib/fs/tmpfs group=sys
192 dir path=usr/lib/fs/ufs group=sys
193 dir path=usr/lib/help
```

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

4

```
194 dir path=usr/lib/help/auths
195 dir path=usr/lib/help/auths/locale
196 dir path=usr/lib/help/auths/locale/C
197 dir path=usr/lib/help/profiles
198 dir path=usr/lib/help/profiles/locale
199 dir path=usr/lib/help/profiles/locale/C
200 dir path=usr/lib/iconv
201 dir path=usr/lib/inet
202 dir path=usr/lib/inet/$(ARCH32)
203 dir path=usr/lib/inet/$(ARCH64)
204 dir path=usr/lib/inet/dhcp
205 dir path=usr/lib/inet/dhcp/nsu
206 dir path=usr/lib/inet/dhcp/svc
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
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/idmap 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/sadm group=sys
281 dir path=var/sadm/system group=sys
282 dir path=var/sadm/system/admin group=sys
283 dir path=var/saf
284 dir path=var/saf/zsmon group=sys
285 dir path=var/spool
286 dir path=var/spool/cron group=sys
287 dir path=var/spool/cron/atjobs group=sys
288 dir path=var/spool/cron/crontabs group=sys
289 dir path=var/spool/locks group=uucp owner=uucp
290 dir path=var/svc group=sys
291 dir path=var/svc/log group=sys
292 dir path=var/svc/manifest group=sys
293 dir path=var/svc/manifest/application group=sys
294 dir path=var/svc/manifest/application/management group=sys
295 dir path=var/svc/manifest/application/print group=sys
296 dir path=var/svc/manifest/application/security group=sys
297 dir path=var/svc/manifest/device group=sys
298 dir path=var/svc/manifest/milestone group=sys
299 dir path=var/svc/manifest/network group=sys
300 dir path=var/svc/manifest/network/dns group=sys
301 dir path=var/svc/manifest/network/ipsec group=sys
302 dir path=var/svc/manifest/network/ldap group=sys
303 dir path=var/svc/manifest/network/nfs group=sys
304 dir path=var/svc/manifest/network/nis group=sys
305 dir path=var/svc/manifest/network/routing group=sys
306 dir path=var/svc/manifest/network/rpc group=sys
307 dir path=var/svc/manifest/network/security group=sys
308 dir path=var/svc/manifest/network/shares group=sys
309 dir path=var/svc/manifest/network/ssl group=sys
310 dir path=var/svc/manifest/platform group=sys
311 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4u group=sys
312 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4v group=sys
313 dir path=var/svc/manifest/site group=sys
314 dir path=var/svc/manifest/system group=sys
315 dir path=var/svc/manifest/system/device group=sys
316 dir path=var/svc/manifest/system/filesystem group=sys
317 dir path=var/svc/manifest/system/security group=sys
318 dir path=var/svc/manifest/system/svc group=sys
319 dir path=var/svc/profile group=sys
320 dir path=var/tmp group=sys mode=1777
321 driver name=dump perms="dump 0660 root sys"
322 driver name=fssnap \
323   policy="ctl read_priv_set=sys_config write_priv_set=sys_config" \
324   perms="* 0640 root sys" perms="ctl 0666 root sys"
325 driver name=kstat perms="* 0666 root sys"

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

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392 file path=etc/motd group=sys preserve=true
393 file path=etc/net/ticlts/hosts group=sys
394 file path=etc/net/ticlts/services group=sys preserve=true
395 file path=etc/net/ticots/hosts group=sys
396 file path=etc/net/ticots/services group=sys preserve=true
397 file path=etc/net/ticotsord/hosts group=sys
398 file path=etc/net/ticotsord/services group=sys preserve=true
399 file path=etc/netconfig group=sys preserve=true
400 file path=etc/nscd.conf group=sys preserve=true
401 file path=etc/nsswitch.ad group=sys
402 file path=etc/nsswitch.conf group=sys preserve=true
403 file path=etc/nsswitch.dns group=sys
404 file path=etc/nsswitch.files group=sys
405 file path=etc/nsswitch.ldap group=sys
406 file path=etc/pam.conf group=sys preserve=true
407 file path=etc/passwd group=sys preserve=true
408 file path=etc/profile group=sys preserve=true
409 file path=etc/project group=sys preserve=true
410 file path=etc/rc2.d/README group=sys
411 file path=etc/rc3.d/README group=sys
412 file path=etc/rcS.d/README group=sys
413 file path=etc/remote preserve=true
414 file path=etc/rpc group=sys preserve=true
415 file path=etc/saf/_sactab group=sys preserve=true
416 file path=etc/saf/_sysconfig group=sys preserve=true
417 file path=etc/saf/zsmmon/_pmtab group=sys preserve=true
418 file path=etc/security/audit_class group=sys preserve=renamew
419 file path=etc/security/audit_event group=sys preserve=renamew
420 file path=etc/security/audit_warn group=sys mode=0740 preserve=renamew
421 file path=etc/security/auth_attr group=sys preserve=true \
422     timestamp=19700101T000000Z
423 file path=etc/security/auth_attr.d/SUNWcs group=sys
424 file path=etc/security/crypt.conf group=sys preserve=renamew
425 file path=etc/security/dev/audio mode=0400
426 file path=etc/security/dev/fd0 mode=0400
427 file path=etc/security/dev/sr0 mode=0400
428 file path=etc/security/dev/st0 mode=0400
429 file path=etc/security/dev/st1 mode=0400
430 file path=etc/security/exec_attr group=sys preserve=true \
431     timestamp=19700101T000000Z
432 file path=etc/security/exec_attr.d/SUNWcs group=sys
433 file path=etc/security/kmfpolicy.xml
434 file path=etc/security/lib/audio_clean group=sys mode=0555
435 file path=etc/security/lib/fd_clean group=sys mode=0555
436 file path=etc/security/lib/sr_clean group=sys mode=0555
437 file path=etc/security/lib/st_clean group=sys mode=0555
438 file path=etc/security/policy.conf group=sys preserve=true
439 file path=etc/security/priv_names group=sys preserve=renamew
440 file path=etc/security/prof_attr group=sys preserve=true \
441     timestamp=19700101T000000Z
442 file path=etc/security/prof_attr.d/SUNWcs group=sys
443 file path=etc/shadow group=sys mode=0400 preserve=true
444 file path=etc/skel/.profile group=other preserve=true
445 file path=etc/skel/local.cshrc group=sys preserve=true
446 file path=etc/skel/local.login group=sys preserve=true
447 file path=etc/skel/local.profile group=sys preserve=true
448 file path=etc/svc/profile/generic_limited_net.xml group=sys mode=0444
449 file path=etc/svc/profile/generic_open.xml group=sys mode=0444
450 file path=etc/svc/profile/inetd_generic.xml group=sys mode=0444
451 file path=etc/svc/profile/inetd_upgrade.xml group=sys mode=0444
452 file path=etc/svc/profile/ns_dns.xml group=sys mode=0444
453 file path=etc/svc/profile/ns_files.xml group=sys mode=0444
454 file path=etc/svc/profile/ns_ldap.xml group=sys mode=0444
455 file path=etc/svc/profile/ns_nis.xml group=sys mode=0444
456 file path=etc/svc/profile/ns_none.xml group=sys mode=0444
457 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,SPARC-Enterprise.xml \

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

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

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

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

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722 file path=usr/bin/cktime mode=0555
723 file path=usr/bin/ckuid mode=0555
724 file path=usr/bin/ckyorn mode=0555
725 file path=usr/bin/clear mode=0555
726 file path=usr/bin/coreadm mode=0555
727 file path=usr/bin/cp mode=0555
728 file path=usr/bin/cpio mode=0555
729 file path=usr/bin/crle mode=0555
730 file path=usr/bin/crontab mode=4555
731 file path=usr/bin/crypt mode=0555
732 file path=usr/bin/csh mode=0555
733 file path=usr/bin/ctrun mode=0555
734 file path=usr/bin/ctstat mode=0555
735 file path=usr/bin/ctwatch mode=0555
736 file path=usr/bin/date mode=0555
737 file path=usr/bin/dd mode=0555
738 file path=usr/bin/devattr mode=0555
739 file path=usr/bin/devfree mode=0555
740 file path=usr/bin/devreserv mode=0555
741 file path=usr/bin/dirname mode=0555
742 $(i386_ONLY)file path=usr/bin/diskscan mode=0555
743 file path=usr/bin/domainname mode=0555
744 file path=usr/bin/du mode=0555
745 file path=usr/bin/dumpcs mode=0555
746 file path=usr/bin/dumpkeys mode=0555
747 file path=usr/bin/echo mode=0555
748 file path=usr/bin/ed mode=0555
749 file path=usr/bin/egrep mode=0555
750 file path=usr/bin/eject mode=0555
751 file path=usr/bin/env mode=0555
752 file path=usr/bin/expr mode=0555
753 file path=usr/bin/false mode=0555
754 file path=usr/bin/fdetach mode=0555
755 file path=usr/bin/fdformat mode=4555
756 file path=usr/bin/fgrep mode=0555
757 file path=usr/bin/file mode=0555
758 file path=usr/bin/find mode=0555
759 file path=usr/bin/fmt mode=0555
760 file path=usr/bin/fmtmsg mode=0555
761 file path=usr/bin/fold mode=0555
762 file path=usr/bin/fsstat mode=0555
763 file path=usr/bin/geniconvtbl mode=0555
764 file path=usr/bin/getconf mode=0555
765 file path=usr/bin/getdev mode=0555
766 file path=usr/bin/getdgrp mode=0555
767 file path=usr/bin/getent mode=0555
768 file path=usr/bin/getfacl mode=0555
769 file path=usr/bin/getopt mode=0555
770 file path=usr/bin/gettext mode=0555
771 file path=usr/bin/getvol mode=0555
772 file path=usr/bin/grep mode=0555
773 file path=usr/bin/groups mode=0555
774 file path=usr/bin/head mode=0555
775 file path=usr/bin/hostid mode=0555
776 file path=usr/bin/hostname mode=0555
777 file path=usr/bin/i286 mode=0555
778 file path=usr/bin/iconv mode=0555
779 file path=usr/bin/id mode=0555
780 file path=usr/bin/infocmp mode=0555
781 file path=usr/bin/iostat mode=0555
782 file path=usr/bin/isainfo mode=0555
783 file path=usr/bin/isalist mode=0555
784 file path=usr/bin/kbd mode=0555
785 file path=usr/bin/keylogin mode=0555
786 file path=usr/bin/keylogout mode=0555
787 file path=usr/bin/kmfcfg mode=0555

```

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

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854 file path=usr/bin/tput mode=0555
855 file path=usr/bin/tr mode=0555
856 file path=usr/bin/true mode=0555
857 file path=usr/bin/tty mode=0555
858 file path=usr/bin/tzselect mode=0555
859 file path=usr/bin/userattr mode=0555
860 file path=usr/bin/vmstat mode=0555
861 file path=usr/bin/which mode=0555
862 file path=usr/bin/who mode=0555
863 file path=usr/bin/wracct mode=0555
864 file path=usr/bin/write group=tty mode=2555
865 file path=usr/bin/xargs mode=0555
866 file path=usr/bin/xstr mode=0555
867 file path=usr/has/bin/edit mode=0555
868 file path=usr/has/bin/sh mode=0555
869 file path=usr/has/man/man1has/edit.lhas
870 file path=usr/has/man/man1has/ex.lhas
871 file path=usr/has/man/man1has/sh.lhas
872 file path=usr/has/man/man1has/vi.lhas
873 file path=usr/kernel/drv/$(ARCH64)/dump group=sys
874 file path=usr/kernel/drv/$(ARCH64)/fssnap group=sys
875 file path=usr/kernel/drv/$(ARCH64)/kstat group=sys
876 file path=usr/kernel/drv/$(ARCH64)/ksyms group=sys
877 file path=usr/kernel/drv/$(ARCH64)/logindmux group=sys
878 file path=usr/kernel/drv/$(ARCH64)/ptm group=sys
879 file path=usr/kernel/drv/$(ARCH64)/pts group=sys
880 $(i386_ONLY)file path=usr/kernel/drv/dump group=sys
881 file path=usr/kernel/drv/dump.conf group=sys
882 $(i386_ONLY)file path=usr/kernel/drv/fssnap group=sys
883 file path=usr/kernel/drv/fssnap.conf group=sys
884 $(i386_ONLY)file path=usr/kernel/drv/kstat group=sys
885 file path=usr/kernel/drv/kstat.conf group=sys
886 $(i386_ONLY)file path=usr/kernel/drv/ksyms group=sys
887 file path=usr/kernel/drv/ksyms.conf group=sys
888 $(i386_ONLY)file path=usr/kernel/drv/logindmux group=sys
889 file path=usr/kernel/drv/logindmux.conf group=sys
890 $(i386_ONLY)file path=usr/kernel/drv/ptm group=sys
891 file path=usr/kernel/drv/ptm.conf group=sys
892 $(i386_ONLY)file path=usr/kernel/drv/pts group=sys
893 file path=usr/kernel/drv/pts.conf group=sys
894 file path=usr/kernel/exec/$(ARCH64)/javaexec group=sys mode=0755
895 file path=usr/kernel/exec/$(ARCH64)/shbinexec group=sys mode=0755
896 $(i386_ONLY)file path=usr/kernel/exec/javaexec group=sys mode=0755
897 $(i386_ONLY)file path=usr/kernel/exec/shbinexec group=sys mode=0755
898 file path=usr/kernel/fs/$(ARCH64)/fdfs group=sys mode=0755
899 file path=usr/kernel/fs/$(ARCH64)/pcfs group=sys mode=0755
900 $(i386_ONLY)file path=usr/kernel/fs/fdfs group=sys mode=0755
901 $(i386_ONLY)file path=usr/kernel/fs/pcfs group=sys mode=0755
902 file path=usr/kernel/sched/$(ARCH64)/FX group=sys mode=0755
903 file path=usr/kernel/sched/$(ARCH64)/FX_DPTBL group=sys mode=0755
904 file path=usr/kernel/sched/$(ARCH64)/IA group=sys mode=0755
905 file path=usr/kernel/sched/$(ARCH64)/RT group=sys mode=0755
906 file path=usr/kernel/sched/$(ARCH64)/RT_DPTBL group=sys mode=0755
907 $(i386_ONLY)file path=usr/kernel/sched/FX group=sys mode=0755
908 $(i386_ONLY)file path=usr/kernel/sched/FX_DPTBL group=sys mode=0755
909 $(i386_ONLY)file path=usr/kernel/sched/IA group=sys mode=0755
910 $(i386_ONLY)file path=usr/kernel/sched/RT group=sys mode=0755
911 $(i386_ONLY)file path=usr/kernel/sched/RT_DPTBL group=sys mode=0755
912 file path=usr/kernel/strmod/$(ARCH64)/cryptmod group=sys mode=0755
913 file path=usr/kernel/strmod/$(ARCH64)/rlmod group=sys mode=0755
914 file path=usr/kernel/strmod/$(ARCH64)/telmod group=sys mode=0755
915 $(i386_ONLY)file path=usr/kernel/strmod/cryptmod group=sys mode=0755
916 $(i386_ONLY)file path=usr/kernel/strmod/rlmod group=sys mode=0755
917 $(i386_ONLY)file path=usr/kernel/strmod/telmod group=sys mode=0755
918 file path=usr/kernel/sys/$(ARCH64)/acctctl group=sys mode=0755
919 file path=usr/kernel/sys/$(ARCH64)/exacctsys group=sys mode=0755

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920 file path=usr/kernel/sys/$(ARCH64)/sysacct group=sys mode=0755
921 $(i386_ONLY)file path=usr/kernel/sys/acctctl group=sys mode=0755
922 $(i386_ONLY)file path=usr/kernel/sys/exacctsys group=sys mode=0755
923 $(i386_ONLY)file path=usr/kernel/sys/sysacct group=sys mode=0755
924 file path=usr/kvm/README group=sys
925 file path=usr/lib/$(ARCH64)/libshare.so.1
926 file path=usr/lib/audit/audit_record_attr mode=0444
927 file path=usr/lib/calprog mode=0555
928 file path=usr/lib/class/FX/FXdispadmin mode=0555
929 file path=usr/lib/class/FX/FXprioctl mode=0555
930 file path=usr/lib/class/IA/IAdispadmin mode=0555
931 file path=usr/lib/class/IA/IAprioctl mode=0555
932 file path=usr/lib/class/RT/RTdispadmin mode=0555
933 file path=usr/lib/class/RT/RTprioctl mode=0555
934 file path=usr/lib/class/SDC/SDCdispadmin mode=0555
935 file path=usr/lib/class/SDC/SDCprioctl mode=0555
936 file path=usr/lib/class/TS/TSdispadmin mode=0555
937 file path=usr/lib/class/TS/TSprioctl mode=0555
938 file path=usr/lib/devfsadm/linkmod/SUNW_audio_link.so group=sys
939 file path=usr/lib/devfsadm/linkmod/SUNW_cfg_link.so group=sys
940 file path=usr/lib/devfsadm/linkmod/SUNW_disk_link.so group=sys
941 file path=usr/lib/devfsadm/linkmod/SUNW_fssnap_link.so group=sys
942 file path=usr/lib/devfsadm/linkmod/SUNW_ieee1394_link.so group=sys
943 file path=usr/lib/devfsadm/linkmod/SUNW_lofi_link.so group=sys
944 file path=usr/lib/devfsadm/linkmod/SUNW_md_link.so group=sys
945 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link.so group=sys
946 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link_$(ARCH).so group=sys
947 file path=usr/lib/devfsadm/linkmod/SUNW_port_link.so group=sys
948 file path=usr/lib/devfsadm/linkmod/SUNW_ramdisk_link.so group=sys
949 file path=usr/lib/devfsadm/linkmod/SUNW_sgen_link.so group=sys
950 file path=usr/lib/devfsadm/linkmod/SUNW_smp_link.so group=sys
951 file path=usr/lib/devfsadm/linkmod/SUNW_tape_link.so group=sys
952 file path=usr/lib/devfsadm/linkmod/SUNW_usb_link.so group=sys
953 $(i386_ONLY)file path=usr/lib/devfsadm/linkmod/SUNW_xen_link.so group=sys
954 file path=usr/lib/diffh mode=0555
955 file path=usr/lib/expreserve mode=0555
956 file path=usr/lib/exrecover mode=0555
957 file path=usr/lib/fs/cachefs/cachefsd mode=0555
958 file path=usr/lib/fs/cachefs/cachefslog mode=0555
959 file path=usr/lib/fs/cachefs/cachefspack mode=0555
960 file path=usr/lib/fs/cachefs/cachefsstat mode=0555
961 file path=usr/lib/fs/cachefs/cachefswssize mode=0555
962 file path=usr/lib/fs/cachefs/cfsadmin mode=0555
963 file path=usr/lib/fs/cachefs/cfsfstype mode=0555
964 file path=usr/lib/fs/cachefs/cfstagchk mode=0555
965 file path=usr/lib/fs/cachefs/dfshares mode=0555
966 file path=usr/lib/fs/cachefs/fsck mode=0555
967 file path=usr/lib/fs/cachefs/mount mode=0555
968 file path=usr/lib/fs/cachefs/share mode=0555
969 file path=usr/lib/fs/cachefs/umount mode=0555
970 file path=usr/lib/fs/cachefs/unshare mode=0555
971 file path=usr/lib/fs/ctfs/mount mode=0555
972 file path=usr/lib/fs/fd/mount mode=0555
973 file path=usr/lib/fs/hsfs/fstyp.so.1 mode=0555
974 file path=usr/lib/fs/hsfs/labelit mode=0555
975 file path=usr/lib/fs/lofs/mount mode=0555
976 file path=usr/lib/fs/mntfs/mount mode=0555
977 file path=usr/lib/fs/objfs/mount mode=0555
978 file path=usr/lib/fs/proc/mount mode=0555
979 file path=usr/lib/fs/sharefs/mount mode=0555
980 file path=usr/lib/fs/tmpfs/mount mode=0555
981 file path=usr/lib/fs/ufs/clri mode=0555
982 file path=usr/lib/fs/ufs/df mode=0555
983 file path=usr/lib/fs/ufs/edquota mode=0555
984 file path=usr/lib/fs/ufs/ff mode=0555
985 file path=usr/lib/fs/ufs/fsck mode=0555

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986 file path=usr/lib/fs/ufs/fsckall mode=0555
987 file path=usr/lib/fs/ufs/fsdb mode=0555
988 file path=usr/lib/fs/ufs/fsirand mode=0555
989 file path=usr/lib/fs/ufs/fssnap mode=0555
990 file path=usr/lib/fs/ufs/fstyp.so.1 mode=0555
991 file path=usr/lib/fs/ufs/labelit mode=0555
992 file path=usr/lib/fs/ufs/lockfs mode=0555
993 file path=usr/lib/fs/ufs/mkfs mode=0555
994 file path=usr/lib/fs/ufs/ncheck mode=0555
995 file path=usr/lib/fs/ufs/newfs mode=0555
996 file path=usr/lib/fs/ufs/quot mode=0555
997 file path=usr/lib/fs/ufs/quota mode=4555
998 file path=usr/lib/fs/ufs/quotacheck mode=0555
999 file path=usr/lib/fs/ufs/quotacoff mode=0555
1000 file path=usr/lib/fs/ufs/repquota mode=0555
1001 file path=usr/lib/fs/ufs/tunefs mode=0555
1002 file path=usr/lib/fs/ufs/ufsdump mode=4555
1003 file path=usr/lib/fs/ufs/ufsrestore mode=4555
1004 file path=usr/lib/fs/ufs/volcopy mode=0555
1005 file path=usr/lib/getoptcvt mode=0555
1006 file path=usr/lib/help/auths/locale/C/AllSolAuthsHeader.html
1007 file path=usr/lib/help/auths/locale/C/AuditHeader.html
1008 file path=usr/lib/help/auths/locale/C/AuthJobsAdmin.html
1009 file path=usr/lib/help/auths/locale/C/AuthJobsUser.html
1010 file path=usr/lib/help/auths/locale/C/AuthProfmgrAssign.html
1011 file path=usr/lib/help/auths/locale/C/AuthProfmgrDelegate.html
1012 file path=usr/lib/help/auths/locale/C/AuthProfmgrExecattrWrite.html
1013 file path=usr/lib/help/auths/locale/C/AuthProfmgrRead.html
1014 file path=usr/lib/help/auths/locale/C/AuthProfmgrWrite.html
1015 file path=usr/lib/help/auths/locale/C/AuthReadNDMP.html
1016 file path=usr/lib/help/auths/locale/C/AuthReadSMB.html
1017 file path=usr/lib/help/auths/locale/C/AuthRoleAssign.html
1018 file path=usr/lib/help/auths/locale/C/AuthRoleDelegate.html
1019 file path=usr/lib/help/auths/locale/C/AuthRoleWrite.html
1020 file path=usr/lib/help/auths/locale/C/BindStates.html
1021 file path=usr/lib/help/auths/locale/C/DevAllocHeader.html
1022 file path=usr/lib/help/auths/locale/C/DevAllocate.html
1023 file path=usr/lib/help/auths/locale/C/DevConfig.html
1024 file path=usr/lib/help/auths/locale/C/DevGrant.html
1025 file path=usr/lib/help/auths/locale/C/DevRevoke.html
1026 file path=usr/lib/help/auths/locale/C/DhccpMgrHeader.html
1027 file path=usr/lib/help/auths/locale/C/DhccpMgrWrite.html
1028 file path=usr/lib/help/auths/locale/C/HotplugHeader.html
1029 file path=usr/lib/help/auths/locale/C/HotplugModify.html
1030 file path=usr/lib/help/auths/locale/C/IdmapRules.html
1031 file path=usr/lib/help/auths/locale/C/JobHeader.html
1032 file path=usr/lib/help/auths/locale/C/JobGrant.html
1033 file path=usr/lib/help/auths/locale/C/LinkSecurity.html
1034 file path=usr/lib/help/auths/locale/C/LoginEnable.html
1035 file path=usr/lib/help/auths/locale/C/LoginHeader.html
1036 file path=usr/lib/help/auths/locale/C/LoginRemote.html
1037 file path=usr/lib/help/auths/locale/C/NetworkAutoconfRead.html
1038 file path=usr/lib/help/auths/locale/C/NetworkAutoconfSelect.html
1039 file path=usr/lib/help/auths/locale/C/NetworkAutoconfWlan.html
1040 file path=usr/lib/help/auths/locale/C/NetworkAutoconfWrite.html
1041 file path=usr/lib/help/auths/locale/C/NetworkHeader.html
1042 file path=usr/lib/help/auths/locale/C/NetworkILBconf.html
1043 file path=usr/lib/help/auths/locale/C/NetworkILBenable.html
1044 file path=usr/lib/help/auths/locale/C/NetworkInterfaceConfig.html
1045 file path=usr/lib/help/auths/locale/C/NetworkVRRP.html
1046 file path=usr/lib/help/auths/locale/C/PriAdmin.html
1047 file path=usr/lib/help/auths/locale/C/ProfmgrHeader.html
1048 file path=usr/lib/help/auths/locale/C/RoleHeader.html
1049 file path=usr/lib/help/auths/locale/C/SmfAllocate.html
1050 file path=usr/lib/help/auths/locale/C/SmfAutofsStates.html
1051 file path=usr/lib/help/auths/locale/C/SmfCoreadmStates.html

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1052 file path=usr/lib/help/auths/locale/C/SmfCronStates.html
 1053 file path=usr/lib/help/auths/locale/C/SmfExAcctFlowStates.html
 1054 file path=usr/lib/help/auths/locale/C/SmfExAcctNetStates.html
 1055 file path=usr/lib/help/auths/locale/C/SmfExAcctProcessStates.html
 1056 file path=usr/lib/help/auths/locale/C/SmfExAcctTaskStates.html
 1057 file path=usr/lib/help/auths/locale/C/SmfHeader.html
 1058 file path=usr/lib/help/auths/locale/C/SmfILBStates.html
 1059 file path=usr/lib/help/auths/locale/C/SmfIPsecStates.html
 1060 file path=usr/lib/help/auths/locale/C/SmfIdmapStates.html
 1061 file path=usr/lib/help/auths/locale/C/SmfInetdStates.html
 1062 file path=usr/lib/help/auths/locale/C/SmfLocationStates.html
 1063 file path=usr/lib/help/auths/locale/C/SmfMDNSStates.html
 1064 file path=usr/lib/help/auths/locale/C/SmfManageAudit.html
 1065 file path=usr/lib/help/auths/locale/C/SmfManageHeader.html
 1066 file path=usr/lib/help/auths/locale/C/SmfManageHotplug.html
 1067 file path=usr/lib/help/auths/locale/C/SmfManageZFSSnap.html
 1068 file path=usr/lib/help/auths/locale/C/SmfModifyAppl.html
 1069 file path=usr/lib/help/auths/locale/C/SmfModifyDepend.html
 1070 file path=usr/lib/help/auths/locale/C/SmfModifyFramework.html
 1071 file path=usr/lib/help/auths/locale/C/SmfModifyHeader.html
 1072 file path=usr/lib/help/auths/locale/C/SmfModifyMethod.html
 1073 file path=usr/lib/help/auths/locale/C/SmfNADDStates.html
 1074 file path=usr/lib/help/auths/locale/C/SmfNDMPStates.html
 1075 file path=usr/lib/help/auths/locale/C/SmfNWAMStates.html
 1076 file path=usr/lib/help/auths/locale/C/SmfNscdStates.html
 1077 file path=usr/lib/help/auths/locale/C/SmfPowerStates.html
 1078 file path=usr/lib/help/auths/locale/C/SmfReparseStates.html
 1079 file path=usr/lib/help/auths/locale/C/SmfRoutingStates.html
 1080 file path=usr/lib/help/auths/locale/C/SmfSMBFSStates.html
 1081 file path=usr/lib/help/auths/locale/C/SmfSMBStates.html
 1082 file path=usr/lib/help/auths/locale/C/SmfSendmailStates.html
 1083 file path=usr/lib/help/auths/locale/C/SmfSshStates.html
 1084 file path=usr/lib/help/auths/locale/C/SmfSyslogStates.html
 1085 file path=usr/lib/help/auths/locale/C/SmfVRRPStates.html
 1086 file path=usr/lib/help/auths/locale/C/SmfValueAudit.html
 1087 file path=usr/lib/help/auths/locale/C/SmfValueCoreadm.html
 1088 file path=usr/lib/help/auths/locale/C/SmfValueExAcctFlow.html
 1089 file path=usr/lib/help/auths/locale/C/SmfValueExAcctNet.html
 1090 file path=usr/lib/help/auths/locale/C/SmfValueExAcctProcess.html
 1091 file path=usr/lib/help/auths/locale/C/SmfValueExAcctTask.html
 1092 file path=usr/lib/help/auths/locale/C/SmfValueFirewall.html
 1093 file path=usr/lib/help/auths/locale/C/SmfValueHeader.html
 1094 file path=usr/lib/help/auths/locale/C/SmfValueIPsec.html
 1095 file path=usr/lib/help/auths/locale/C/SmfValueIdmap.html
 1096 file path=usr/lib/help/auths/locale/C/SmfValueInetd.html
 1097 file path=usr/lib/help/auths/locale/C/SmfValueMDNS.html
 1098 file path=usr/lib/help/auths/locale/C/SmfValueNADD.html
 1099 file path=usr/lib/help/auths/locale/C/SmfValueNDMP.html
 1100 file path=usr/lib/help/auths/locale/C/SmfValueNWAM.html
 1101 file path=usr/lib/help/auths/locale/C/SmfValueRouting.html
 1102 file path=usr/lib/help/auths/locale/C/SmfValueSMB.html
 1103 file path=usr/lib/help/auths/locale/C/SmfValueVscan.html
 1104 file path=usr/lib/help/auths/locale/C/SmfValueVt.html
 1105 file path=usr/lib/help/auths/locale/C/SmfVscanStates.html
 1106 file path=usr/lib/help/auths/locale/C/SmfVtStates.html
 1107 file path=usr/lib/help/auths/locale/C/SmfWpaStates.html
 1108 file path=usr/lib/help/auths/locale/C/SysCpuPowerMgmt.html
 1109 file path=usr/lib/help/auths/locale/C/SysDate.html
 1110 file path=usr/lib/help/auths/locale/C/SysHeader.html
 1111 file path=usr/lib/help/auths/locale/C/SysMaintenance.html
 1112 file path=usr/lib/help/auths/locale/C/SysPowerMgmtBrightness.html
 1113 file path=usr/lib/help/auths/locale/C/SysPowerMgmtHeader.html
 1114 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspend.html
 1115 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoDisk.html
 1116 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoRAM.html
 1117 file path=usr/lib/help/auths/locale/C/SysShutdown.html

1118 file path=usr/lib/help/auths/locale/C/SysSyseventRead.html
 1119 file path=usr/lib/help/auths/locale/C/SysSyseventWrite.html
 1120 file path=usr/lib/help/auths/locale/C/WifiConfig.html
 1121 file path=usr/lib/help/auths/locale/C/WifiWep.html
 1122 file path=usr/lib/help/auths/locale/C/ZoneCloneFrom.html
 1123 file path=usr/lib/help/auths/locale/C/ZoneHeader.html
 1124 file path=usr/lib/help/auths/locale/C/ZoneLogin.html
 1125 file path=usr/lib/help/auths/locale/C/ZoneManage.html
 1126 file path=usr/lib/help/profiles/locale/C/RtAcctadm.html
 1127 file path=usr/lib/help/profiles/locale/C/RtAll.html
 1128 file path=usr/lib/help/profiles/locale/C/RtAuditCfg.html
 1129 file path=usr/lib/help/profiles/locale/C/RtAuditCtrl.html
 1130 file path=usr/lib/help/profiles/locale/C/RtAuditReview.html
 1131 file path=usr/lib/help/profiles/locale/C/RtCPUPowerManagement.html
 1132 file path=usr/lib/help/profiles/locale/C/RtConsUser.html
 1133 file path=usr/lib/help/profiles/locale/C/RtContractObserver.html
 1134 file path=usr/lib/help/profiles/locale/C/RtCronMngmnt.html
 1135 file path=usr/lib/help/profiles/locale/C/RtCryptoMngmnt.html
 1136 file path=usr/lib/help/profiles/locale/C/RtDHCPMngmnt.html
 1137 file path=usr/lib/help/profiles/locale/C/RtDatAdmin.html
 1138 file path=usr/lib/help/profiles/locale/C/RtDefault.html
 1139 file path=usr/lib/help/profiles/locale/C/RtDeviceMngmnt.html
 1140 file path=usr/lib/help/profiles/locale/C/RtDeviceSecurity.html
 1141 file path=usr/lib/help/profiles/locale/C/RtExAcctFlow.html
 1142 file path=usr/lib/help/profiles/locale/C/RtExAcctNet.html
 1143 file path=usr/lib/help/profiles/locale/C/RtExAcctProcess.html
 1144 file path=usr/lib/help/profiles/locale/C/RtExAcctTask.html
 1145 file path=usr/lib/help/profiles/locale/C/RtFTPmngmnt.html
 1146 file path=usr/lib/help/profiles/locale/C/RtFileSysMngmnt.html
 1147 file path=usr/lib/help/profiles/locale/C/RtFileSysSecurity.html
 1148 file path=usr/lib/help/profiles/locale/C/RtHotplugMngmnt.html
 1149 file path=usr/lib/help/profiles/locale/C/RtIPFilterMngmnt.html
 1150 file path=usr/lib/help/profiles/locale/C/RtIdmapMngmnt.html
 1151 file path=usr/lib/help/profiles/locale/C/RtIdmapNameRulesMngmnt.html
 1152 file path=usr/lib/help/profiles/locale/C/RtInetdMngmnt.html
 1153 file path=usr/lib/help/profiles/locale/C/RtKerberosClnMngmnt.html
 1154 file path=usr/lib/help/profiles/locale/C/RtKerberosSrvrMngmnt.html
 1155 file path=usr/lib/help/profiles/locale/C/RtLogMngmnt.html
 1156 file path=usr/lib/help/profiles/locale/C/RtMailMngmnt.html
 1157 file path=usr/lib/help/profiles/locale/C/RtMaintAndRepair.html
 1158 file path=usr/lib/help/profiles/locale/C/RtMediaBkup.html
 1159 file path=usr/lib/help/profiles/locale/C/RtMediaCtlg.html
 1160 file path=usr/lib/help/profiles/locale/C/RtMediaRestore.html
 1161 file path=usr/lib/help/profiles/locale/C/RtNDMPMngmnt.html
 1162 file path=usr/lib/help/profiles/locale/C/RtNameServiceAdmin.html
 1163 file path=usr/lib/help/profiles/locale/C/RtNameServiceSecure.html
 1164 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfAdmin.html
 1165 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfUser.html
 1166 file path=usr/lib/help/profiles/locale/C/RtNetILB.html
 1167 file path=usr/lib/help/profiles/locale/C/RtNetIPsec.html
 1168 file path=usr/lib/help/profiles/locale/C/RtNetLinkSecure.html
 1169 file path=usr/lib/help/profiles/locale/C/RtNetMngmnt.html
 1170 file path=usr/lib/help/profiles/locale/C/RtNetObservability.html
 1171 file path=usr/lib/help/profiles/locale/C/RtNetSecure.html
 1172 file path=usr/lib/help/profiles/locale/C/RtNetVRRP.html
 1173 file path=usr/lib/help/profiles/locale/C/RtNetWifiMngmnt.html
 1174 file path=usr/lib/help/profiles/locale/C/RtNetWifiSecure.html
 1175 file path=usr/lib/help/profiles/locale/C/RtObAccessMngmnt.html
 1176 file path=usr/lib/help/profiles/locale/C/RtOperator.html
 1177 file path=usr/lib/help/profiles/locale/C/RtPriAdmin.html
 1178 file path=usr/lib/help/profiles/locale/C/RtPrntAdmin.html
 1179 file path=usr/lib/help/profiles/locale/C/RtProcManagement.html
 1180 file path=usr/lib/help/profiles/locale/C/RtReparseMngmnt.html
 1181 file path=usr/lib/help/profiles/locale/C/RtReservedProfile.html
 1182 file path=usr/lib/help/profiles/locale/C/RtRightsDelegate.html
 1183 file path=usr/lib/help/profiles/locale/C/RtSMBFSMngmnt.html

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1184 file path=usr/lib/help/profiles/locale/C/RtSMBMngmnt.html
1185 file path=usr/lib/help/profiles/locale/C/RtSoftwareInstall.html
1186 file path=usr/lib/help/profiles/locale/C/RtSysAdmin.html
1187 file path=usr/lib/help/profiles/locale/C/RtSysEvMngmnt.html
1188 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmt.html
1189 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtBrightness.html
1190 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspend.html
1191 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoDisk.html
1192 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoRAM.html
1193 file path=usr/lib/help/profiles/locale/C/RtUserMngmnt.html
1194 file path=usr/lib/help/profiles/locale/C/RtUserSecurity.html
1195 file path=usr/lib/help/profiles/locale/C/RtVscanMngmnt.html
1196 file path=usr/lib/help/profiles/locale/C/RtZFSFileSysMngmnt.html
1197 file path=usr/lib/help/profiles/locale/C/RtZFSStorageMngmnt.html
1198 file path=usr/lib/help/profiles/locale/C/RtZoneMngmnt.html
1199 file path=usr/lib/help/profiles/locale/C/RtZoneSecurity.html
1200 file path=usr/lib/hotplugd mode=0555
1201 file path=usr/lib/iconv/646da.8859.t mode=0444
1202 file path=usr/lib/iconv/646de.8859.t mode=0444
1203 file path=usr/lib/iconv/646en.8859.t mode=0444
1204 file path=usr/lib/iconv/646es.8859.t mode=0444
1205 file path=usr/lib/iconv/646fr.8859.t mode=0444
1206 file path=usr/lib/iconv/646it.8859.t mode=0444
1207 file path=usr/lib/iconv/646sv.8859.t mode=0444
1208 file path=usr/lib/iconv/8859.646.t mode=0444
1209 file path=usr/lib/iconv/8859.646da.t mode=0444
1210 file path=usr/lib/iconv/8859.646de.t mode=0444
1211 file path=usr/lib/iconv/8859.646en.t mode=0444
1212 file path=usr/lib/iconv/8859.646es.t mode=0444
1213 file path=usr/lib/iconv/8859.646fr.t mode=0444
1214 file path=usr/lib/iconv/8859.646it.t mode=0444
1215 file path=usr/lib/iconv/8859.646sv.t mode=0444
1216 file path=usr/lib/iconv/iconv_data mode=0444
1217 file path=usr/lib/idmapd mode=0555
1218 file path=usr/lib/inet/$(ARCH32)/in.iked mode=0555
1219 file path=usr/lib/inet/$(ARCH64)/in.iked mode=0555
1220 file path=usr/lib/inet/certdb mode=0555
1221 file path=usr/lib/inet/certlocal mode=0555
1222 file path=usr/lib/inet/certrld mode=0555
1223 file path=usr/lib/inet/inetd mode=0555
1224 file path=usr/lib/intrd mode=0555
1225 file path=usr/lib/isaexec mode=0555
1226 file path=usr/lib/kssladm mode=0555
1227 file path=usr/lib/ld.so
1228 file path=usr/lib/libshare.so.1
1229 file path=usr/lib/makekey mode=0555
1230 file path=usr/lib/more.help
1231 file path=usr/lib/newsyslog group=sys mode=0555
1232 file path=usr/lib/passmgmt group=sys mode=0555
1233 file path=usr/lib/pci/pcidr mode=0555
1234 file path=usr/lib/pci/pcidr_plugin.so
1235 file path=usr/lib/pfexecd mode=0555
1236 file path=usr/lib/platexec mode=0555
1237 file path=usr/lib/rcm/modules/SUNW_aggr_rcm.so mode=0555
1238 file path=usr/lib/rcm/modules/SUNW_cluster_rcm.so mode=0555
1239 file path=usr/lib/rcm/modules/SUNW_dump_rcm.so mode=0555
1240 file path=usr/lib/rcm/modules/SUNW_filesys_rcm.so mode=0555
1241 file path=usr/lib/rcm/modules/SUNW_ibpart_rcm.so mode=0555
1242 file path=usr/lib/rcm/modules/SUNW_ip_anon_rcm.so mode=0555
1243 file path=usr/lib/rcm/modules/SUNW_ip_rcm.so mode=0555
1244 file path=usr/lib/rcm/modules/SUNW_mpxio_rcm.so mode=0555
1245 file path=usr/lib/rcm/modules/SUNW_network_rcm.so mode=0555
1246 file path=usr/lib/rcm/modules/SUNW_swap_rcm.so mode=0555
1247 file path=usr/lib/rcm/modules/SUNW_ttymux_rcm.so mode=0555
1248 file path=usr/lib/rcm/modules/SUNW_vlan_rcm.so mode=0555
1249 file path=usr/lib/rcm/modules/SUNW_vnic_rcm.so mode=0555

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1250 file path=usr/lib/rcm/rcm_daemon mode=0555
1251 file path=usr/lib/reparse/reparsed group=sys mode=0555
1252 file path=usr/lib/saf/listen group=sys mode=0755
1253 file path=usr/lib/saf/nlps_server group=sys mode=0755
1254 file path=usr/lib/saf/sac group=sys mode=0555
1255 file path=usr/lib/saf/ttymon group=sys mode=0555
1256 file path=usr/lib/sysevent/modules/datalink_mod.so
1257 file path=usr/lib/sysevent/modules/devfsadmd_mod.so
1258 file path=usr/lib/sysevent/modules/sysevent_conf_mod.so
1259 file path=usr/lib/sysevent/modules/sysevent_reg_mod.so
1260 file path=usr/lib/sysevent/syseventconf mode=0555
1261 file path=usr/lib/sysevent/syseventd mode=0555
1262 file path=usr/lib/utmp_update mode=4555
1263 file path=usr/lib/utmpd mode=0555
1264 file path=usr/lib/vtdaemon mode=0555
1265 file path=usr/lib/vtinfo mode=0555
1266 file path=usr/lib/vtxlock mode=0555
1267 file path=usr/sadm/bin/puttext mode=0555
1268 file path=usr/sadm/install/miniroot.db group=sys mode=0444
1269 file path=usr/sadm/install/scripts/i.ipsecalgs group=sys mode=0555
1270 file path=usr/sadm/install/scripts/i.kcfcnf group=sys mode=0555
1271 file path=usr/sadm/install/scripts/i.kmfcnf group=sys mode=0555
1272 file path=usr/sadm/install/scripts/i.manifest group=sys mode=0555
1273 file path=usr/sadm/install/scripts/i.pkcs11cnf group=sys mode=0555
1274 file path=usr/sadm/install/scripts/i.rbac group=sys mode=0555
1275 file path=usr/sadm/install/scripts/r.ipsecalgs group=sys mode=0555
1276 file path=usr/sadm/install/scripts/r.kcfcnf group=sys mode=0555
1277 file path=usr/sadm/install/scripts/r.kmfcnf group=sys mode=0555
1278 file path=usr/sadm/install/scripts/r.manifest group=sys mode=0555
1279 file path=usr/sadm/install/scripts/r.pkcs11cnf group=sys mode=0555
1280 file path=usr/sadm/install/scripts/r.rbac group=sys mode=0555
1281 file path=usr/sadm/updates mode=0444
1282 file path=usr/sbin/$(ARCH32)/add_drv group=sys mode=0555
1283 file path=usr/sbin/$(ARCH32)/modinfo group=sys mode=0555
1284 file path=usr/sbin/$(ARCH32)/modload group=sys mode=0555
1285 file path=usr/sbin/$(ARCH32)/modunload group=sys mode=0555
1286 file path=usr/sbin/$(ARCH32)/pbind group=sys mode=0555
1287 file path=usr/sbin/$(ARCH32)/prtconf group=sys mode=2555
1288 file path=usr/sbin/$(ARCH32)/psrset group=sys mode=0555
1289 file path=usr/sbin/$(ARCH32)/rem_drv group=sys mode=0555
1290 file path=usr/sbin/$(ARCH32)/swap group=sys mode=2555
1291 file path=usr/sbin/$(ARCH32)/sysdef group=sys mode=2555
1292 file path=usr/sbin/$(ARCH32)/update_drv group=sys mode=0555
1293 file path=usr/sbin/$(ARCH32)/whodo mode=4555
1294 file path=usr/sbin/$(ARCH64)/add_drv group=sys mode=0555
1295 file path=usr/sbin/$(ARCH64)/modinfo group=sys mode=0555
1296 file path=usr/sbin/$(ARCH64)/modload group=sys mode=0555
1297 file path=usr/sbin/$(ARCH64)/modunload group=sys mode=0555
1298 file path=usr/sbin/$(ARCH64)/pbind group=sys mode=0555
1299 file path=usr/sbin/$(ARCH64)/prtconf group=sys mode=2555
1300 file path=usr/sbin/$(ARCH64)/psrset group=sys mode=0555
1301 file path=usr/sbin/$(ARCH64)/rem_drv group=sys mode=0555
1302 file path=usr/sbin/$(ARCH64)/swap group=sys mode=2555
1303 file path=usr/sbin/$(ARCH64)/sysdef group=sys mode=2555
1304 file path=usr/sbin/$(ARCH64)/update_drv group=sys mode=0555
1305 file path=usr/sbin/$(ARCH64)/whodo mode=4555
1306 file path=usr/sbin/6to4relay mode=0555
1307 file path=usr/sbin/acctadm mode=0555
1308 file path=usr/sbin/allocate mode=4555
1309 file path=usr/sbin/arp mode=0555
1310 file path=usr/sbin/audit mode=0555
1311 file path=usr/sbin/auditconfig mode=0555
1312 file path=usr/sbin/auditd mode=0555
1313 file path=usr/sbin/auditrecord mode=0555
1314 file path=usr/sbin/auditreduce mode=0555
1315 file path=usr/sbin/auditstat mode=0555

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1316 file path=usr/sbin/cfgadm mode=0555
1317 file path=usr/sbin/chroot mode=0555
1318 file path=usr/sbin/clear_locks mode=0555
1319 file path=usr/sbin/clinfo mode=0555
1320 file path=usr/sbin/clri mode=0555
1321 file path=usr/sbin/consadm group=sys mode=0555
1322 file path=usr/sbin/cron group=sys mode=0555
1323 file path=usr/sbin/devfsadm group=sys mode=0755
1324 file path=usr/sbin/devinfo mode=0555
1325 file path=usr/sbin/df mode=0555
1326 file path=usr/sbin/dfmounts mode=0555
1327 file path=usr/sbin/dispadm mode=0555
1328 file path=usr/sbin/dminfo mode=0555
1329 file path=usr/sbin/dumpadm mode=0555
1330 file path=usr/sbin/EEPROM group=sys mode=2555
1331 file path=usr/sbin/ff mode=0555
1332 file path=usr/sbin/fmthard group=sys mode=0555
1333 file path=usr/sbin/format mode=0555
1334 file path=usr/sbin/fsck mode=0555
1335 file path=usr/sbin/fstyp group=sys mode=0555
1336 file path=usr/sbin/fuser mode=0555
1337 file path=usr/sbin/getdevpolicy group=sys mode=0555
1338 file path=usr/sbin/getmajor group=sys mode=0755
1339 file path=usr/sbin/groupadd group=sys mode=0555
1340 file path=usr/sbin/groupdel group=sys mode=0555
1341 file path=usr/sbin/groupmod group=sys mode=0555
1342 file path=usr/sbin/grpck mode=0555
1343 file path=usr/sbin/halt mode=0755
1344 file path=usr/sbin/hotplug mode=0555
1345 file path=usr/sbin/idmap mode=0555
1346 file path=usr/sbin/if_mpadm mode=0555
1347 file path=usr/sbin/ikeadm mode=0555
1348 file path=usr/sbin/ikecert mode=0555
1349 file path=usr/sbin/inetadm mode=0555
1350 file path=usr/sbin/inetconv mode=0555
1351 file path=usr/sbin/install mode=0555
1352 file path=usr/sbin/installboot group=sys mode=0555
1353 file path=usr/sbin/ipaddrsel mode=0555
1354 file path=usr/sbin/ipsecalg mode=0555
1355 file path=usr/sbin/ipsecconf mode=0555
1356 file path=usr/sbin/ipseckey mode=0555
1357 file path=usr/sbin/keyserv group=sys mode=0555
1358 file path=usr/sbin/killall mode=0555
1359 file path=usr/sbin/ksslcfg mode=0555
1360 file path=usr/sbin/link mode=0555
1361 file path=usr/sbin/locator mode=0555
1362 file path=usr/sbin/lofiadm mode=0555
1363 file path=usr/sbin/logadm mode=0555
1364 file path=usr/sbin/makedbm mode=0555
1365 file path=usr/sbin/mkdevalloc mode=0555
1366 file path=usr/sbin/mkfile mode=0555
1367 file path=usr/sbin/mknod mode=0555
1368 file path=usr/sbin/mountall group=sys mode=0555
1369 file path=usr/sbin/msgid mode=0555
1370 file path=usr/sbin/mvdir mode=0555
1371 file path=usr/sbin/ndd mode=0555
1372 file path=usr/sbin/nlsadmin group=adm mode=0755
1373 file path=usr/sbin/nscd mode=0555
1374 file path=usr/sbin/nwamadm mode=0555
1375 file path=usr/sbin/nwamcfg mode=0555
1376 file path=usr/sbin/pmadm group=sys mode=0555
1377 file path=usr/sbin/praudit mode=0555
1378 $(i386_ONLY)file path=usr/sbin/prtdiag group=sys mode=2755
1379 file path=usr/sbin/prvtoc group=sys mode=0555
1380 file path=usr/sbin/psradm group=sys mode=0555
1381 file path=usr/sbin/psrinfo group=sys mode=0555

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1382 file path=usr/sbin/pwck mode=0555
1383 file path=usr/sbin/pwconv group=sys mode=0555
1384 file path=usr/sbin/raidctl mode=0555
1385 file path=usr/sbin/ramdiskadm mode=0555
1386 file path=usr/sbin/rctladm mode=0555
1387 file path=usr/sbin/root_archive group=sys mode=0555
1388 file path=usr/sbin/rpcbind mode=0555
1389 $(i386_ONLY)file path=usr/sbin/rtc mode=0555
1390 file path=usr/sbin/sacadm group=sys mode=4755
1391 file path=usr/sbin/setmnt mode=0555
1392 file path=usr/sbin/shareall mode=0555
1393 file path=usr/sbin/sharectl mode=0555
1394 file path=usr/sbin/sharemgr mode=0555
1395 file path=usr/sbin/shutdown group=sys mode=0755
1396 file path=usr/sbin/smbios mode=0555
1397 file path=usr/sbin/stmsboot mode=0555
1398 file path=usr/sbin/strace group=sys mode=0555
1399 file path=usr/sbin/strclean group=sys mode=0555
1400 file path=usr/sbin/strerr group=sys mode=0555
1401 file path=usr/sbin/ttydefs group=sys mode=0755
1402 file path=usr/sbin/svcadm mode=0555
1403 file path=usr/sbin/svccfg mode=0555
1404 file path=usr/sbin/syncinit mode=0555
1405 file path=usr/sbin/syncloop mode=0555
1406 file path=usr/sbin/syncstat mode=0555
1407 file path=usr/sbin/syseventadm group=sys mode=0555
1408 file path=usr/sbin/syslogd group=sys mode=0555
1409 file path=usr/sbin/tar mode=0555
1410 file path=usr/sbin/traceroute mode=4555
1411 file path=usr/sbin/trapstat mode=0555
1412 file path=usr/sbin/ttyadm group=sys mode=0755
1413 $(i386_ONLY)file path=usr/sbin/ucodeadm mode=0555
1414 file path=usr/sbin/umountall group=sys mode=0555
1415 file path=usr/sbin/unlink mode=0555
1416 file path=usr/sbin/unshareall mode=0555
1417 file path=usr/sbin/useradd group=sys mode=0555
1418 file path=usr/sbin/userdel group=sys mode=0555
1419 file path=usr/sbin/usermod group=sys mode=0555
1420 $(sparc_ONLY)file path=usr/sbin/virtinfo mode=0555
1421 file path=usr/sbin/volcopy mode=0555
1422 file path=usr/sbin/wall group=tty mode=2555
1423 file path=usr/sbin/zdump mode=0555
1424 file path=usr/sbin/zic mode=0555
1425 file path=usr/share/doc/ksh/COMPATIBILITY
1426 file path=usr/share/doc/ksh/DESIGN
1427 file path=usr/share/doc/ksh/OBSOLETE
1428 file path=usr/share/doc/ksh/README
1429 file path=usr/share/doc/ksh/RELEASE
1430 file path=usr/share/doc/ksh/TYPES
1431 file path=usr/share/doc/ksh/images/callouts/1.png
1432 file path=usr/share/doc/ksh/images/callouts/10.png
1433 file path=usr/share/doc/ksh/images/callouts/5.png
1434 file path=usr/share/doc/ksh/images/callouts/3.png
1435 file path=usr/share/doc/ksh/images/callouts/4.png
1436 file path=usr/share/doc/ksh/images/callouts/5.png
1437 file path=usr/share/doc/ksh/images/callouts/6.png
1438 file path=usr/share/doc/ksh/images/callouts/7.png
1439 file path=usr/share/doc/ksh/images/callouts/8.png
1440 file path=usr/share/doc/ksh/images/callouts/9.png
1441 file path=usr/share/doc/ksh/images/tag_bourne.png
1442 file path=usr/share/doc/ksh/images/tag_i18n.png
1443 file path=usr/share/doc/ksh/images/tag_ksh.png
1444 file path=usr/share/doc/ksh/images/tag_ksh88.png
1445 file path=usr/share/doc/ksh/images/tag_ksh93.png
1446 file path=usr/share/doc/ksh/images/tag_l10n.png
1447 file path=usr/share/doc/ksh/images/tag_perf.png

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1448 file path=usr/share/doc/ksh/shell_styleguide.docbook
1449 file path=usr/share/doc/ksh/shell_styleguide.html
1450 file path=usr/share/lib/mailx/mailx.help
1451 file path=usr/share/lib/mailx/mailx.help.~
1452 file path=usr/share/lib/tabset/3101
1453 file path=usr/share/lib/tabset/beehive
1454 file path=usr/share/lib/tabset/hds
1455 file path=usr/share/lib/tabset/hds3
1456 file path=usr/share/lib/tabset/std
1457 file path=usr/share/lib/tabset/stdcrt
1458 file path=usr/share/lib/tabset/teleray
1459 file path=usr/share/lib/tabset/vt100
1460 file path=usr/share/lib/tabset/wyse-adds
1461 file path=usr/share/lib/tabset/xerox1720
1462 file path=usr/share/lib/termcap
1463 file path=usr/share/lib/unittab
1464 file path=usr/share/lib/xml/dtd/adt_record.dtd.1
1465 file path=usr/share/lib/xml/dtd/kmfpolicy.dtd
1466 file path=usr/share/lib/xml/dtd/service_bundle.dtd.1 group=sys
1467 file path=usr/share/lib/xml/style/adt_record.xsl.1
1468 file path=var/adm/aculog mode=0600 owner=uucp preserve=true
1469 file path=var/adm/spellhist mode=0666 preserve=true
1470 file path=var/adm/utmpx preserve=true
1471 file path=var/adm/wtmpx group=adm owner=adm preserve=true
1472 file path=var/log/authlog group=sys mode=0600 preserve=true
1473 file path=var/log/syslog group=sys preserve=true
1474 file path=var/sadm/system/admin/default_java group=sys mode=0444
1475 file path=var/saf/zsmon/log group=sys preserve=true
1476 file path=var/spool/cron/crontabs/adm group=sys mode=0600 preserve=true
1477 file path=var/spool/cron/crontabs/root group=sys mode=0600 preserve=true
1478 hardlink path=etc/rc2.d/S20syssetup target=../etc/init.d/syssetup
1479 hardlink path=etc/rc2.d/S73cachefs.daemon \
1480     target=../etc/init.d/cachefs.daemon
1481 hardlink path=etc/rc2.d/S89PRESERVE target=../etc/init.d/PRESERVE
1482 $(sparc_ONLY)hardlink path=etc/svc/profile/platform_SUNW,Sun-Fire-V890.xml \
1483     target=platform_SUNW,Sun-Fire-880.xml
1484 $(sparc_ONLY)hardlink \
1485     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-40.xml \
1486     target=platform_SUNW,UltraSPARC-IIi-Netract.xml
1487 $(sparc_ONLY)hardlink \
1488     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-60.xml \
1489     target=platform_SUNW,UltraSPARC-IIi-Netract.xml
1490 hardlink path=sbin/rc5 target=../sbin/rc0
1491 hardlink path=sbin/rc6 target=../sbin/rc0
1492 hardlink path=usr/bin/$(ARCH32)/encrypt target=decrypt
1493 hardlink path=usr/bin/$(ARCH32)/ksh target=ksh93
1494 hardlink path=usr/bin/$(ARCH32)/mac target=digest
1495 hardlink path=usr/bin/$(ARCH32)/rksh target=ksh93
1496 hardlink path=usr/bin/$(ARCH32)/rksh93 target=ksh93
1497 $(i386_ONLY)hardlink path=usr/bin/$(ARCH32)/w target=uptime
1498 hardlink path=usr/bin/$(ARCH64)/encrypt target=decrypt
1499 hardlink path=usr/bin/$(ARCH64)/ksh target=ksh93
1500 hardlink path=usr/bin/$(ARCH64)/mac target=digest
1501 hardlink path=usr/bin/$(ARCH64)/rksh target=ksh93
1502 hardlink path=usr/bin/$(ARCH64)/rksh93 target=ksh93
1503 hardlink path=usr/bin/$(ARCH64)/w target=uptime
1504 hardlink path=usr/bin/bg target=../usr/bin/alias
1505 hardlink path=usr/bin/cd target=../usr/bin/alias
1506 hardlink path=usr/bin/cksum target=../usr/bin/alias
1507 hardlink path=usr/bin/cmp target=../usr/bin/alias
1508 hardlink path=usr/bin/comm target=../usr/bin/alias
1509 hardlink path=usr/bin/command target=../usr/bin/alias
1510 hardlink path=usr/bin/cut target=../usr/bin/alias
1511 hardlink path=usr/bin/decrypt target=../usr/lib/isaexec
1512 hardlink path=usr/bin/digest target=../usr/lib/isaexec
1513 hardlink path=usr/bin/dispgid target=../usr/bin/ckgid

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1514 hardlink path=usr/bin/dispuid target=../usr/bin/ckuid
1515 hardlink path=usr/bin/edit target=../usr/bin/edit
1516 hardlink path=usr/bin/encrypt target=../usr/lib/isaexec
1517 hardlink path=usr/bin/fc target=../usr/bin/alias
1518 hardlink path=usr/bin/fg target=../usr/bin/alias
1519 hardlink path=usr/bin/getopts target=../usr/bin/alias
1520 hardlink path=usr/bin/hash target=../usr/bin/alias
1521 hardlink path=usr/bin/i386 target=../usr/bin/i286
1522 hardlink path=usr/bin/i486 target=../usr/bin/i286
1523 hardlink path=usr/bin/i860 target=../usr/bin/i286
1524 hardlink path=usr/bin/i86pc target=../usr/bin/i286
1525 hardlink path=usr/bin/iAPX286 target=../usr/bin/i286
1526 hardlink path=usr/bin/jobs target=../usr/bin/alias
1527 hardlink path=usr/bin/join target=../usr/bin/alias
1528 hardlink path=usr/bin/kill target=../usr/bin/alias
1529 hardlink path=usr/bin/ksh target=../usr/lib/isaexec
1530 hardlink path=usr/bin/ksh93 target=../usr/lib/isaexec
1531 hardlink path=usr/bin/ln target=../usr/bin/cp
1532 hardlink path=usr/bin/logname target=../usr/bin/alias
1533 hardlink path=usr/bin/m68k target=../usr/bin/i286
1534 hardlink path=usr/bin/mac target=../usr/lib/isaexec
1535 hardlink path=usr/bin/mc68000 target=../usr/bin/i286
1536 hardlink path=usr/bin/mc68010 target=../usr/bin/i286
1537 hardlink path=usr/bin/mc68020 target=../usr/bin/i286
1538 hardlink path=usr/bin/mc68030 target=../usr/bin/i286
1539 hardlink path=usr/bin/mc68040 target=../usr/bin/i286
1540 hardlink path=usr/bin/mv target=../usr/bin/cp
1541 hardlink path=usr/bin/newtask target=../usr/lib/isaexec
1542 hardlink path=usr/bin/nohup target=../usr/lib/isaexec
1543 hardlink path=usr/bin/page target=../usr/bin/more
1544 hardlink path=usr/bin/paste target=../usr/bin/alias
1545 hardlink path=usr/bin/pdp11 target=../usr/bin/i286
1546 hardlink path=usr/bin/pfbash target=../usr/bin/pfexec
1547 hardlink path=usr/bin/pfcsh target=../usr/bin/pfexec
1548 hardlink path=usr/bin/pfksh target=../usr/bin/pfexec
1549 hardlink path=usr/bin/pfksh93 target=../usr/bin/pfexec
1550 hardlink path=usr/bin/pfrksh target=../usr/bin/pfexec
1551 hardlink path=usr/bin/pfrksh93 target=../usr/bin/pfexec
1552 hardlink path=usr/bin/pfsh target=../usr/bin/pfexec
1553 hardlink path=usr/bin/pftcsh target=../usr/bin/pfexec
1554 hardlink path=usr/bin/pfzsh target=../usr/bin/pfexec
1555 hardlink path=usr/bin/pkill target=../usr/bin/pgrep
1556 hardlink path=usr/bin/prctl target=../usr/lib/isaexec
1557 hardlink path=usr/bin/print target=../usr/bin/alias
1558 hardlink path=usr/bin/prstat target=../usr/lib/isaexec
1559 hardlink path=usr/bin/ps target=../usr/lib/isaexec
1560 hardlink path=usr/bin/read target=../usr/bin/alias
1561 hardlink path=usr/bin/red target=../usr/bin/ed
1562 hardlink path=usr/bin/rev target=../usr/bin/alias
1563 hardlink path=usr/bin/rksh target=../usr/lib/isaexec
1564 hardlink path=usr/bin/rksh93 target=../usr/lib/isaexec
1565 hardlink path=usr/bin/savecore target=../usr/lib/isaexec
1566 hardlink path=usr/bin/setuname target=../usr/lib/isaexec
1567 hardlink path=usr/bin/sleep target=../usr/bin/alias
1568 hardlink path=usr/bin/sparc target=../usr/bin/i286
1569 hardlink path=usr/bin/sum target=../usr/bin/alias
1570 hardlink path=usr/bin/sun target=../usr/bin/i286
1571 hardlink path=usr/bin/sun2 target=../usr/bin/i286
1572 hardlink path=usr/bin/sun3 target=../usr/bin/i286
1573 hardlink path=usr/bin/sun3x target=../usr/bin/i286
1574 hardlink path=usr/bin/sun4 target=../usr/bin/i286
1575 hardlink path=usr/bin/sun4c target=../usr/bin/i286
1576 hardlink path=usr/bin/sun4d target=../usr/bin/i286
1577 hardlink path=usr/bin/sun4e target=../usr/bin/i286
1578 hardlink path=usr/bin/sun4m target=../usr/bin/i286
1579 hardlink path=usr/bin/tee target=../usr/bin/alias

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1580 hardlink path=/usr/bin/test target=../../usr/bin/alias
1581 hardlink path=/usr/bin/touch target=../../usr/bin/settime
1582 hardlink path=/usr/bin/type target=../../usr/bin/alias
1583 hardlink path=/usr/bin/u370 target=../../usr/bin/i286
1584 hardlink path=/usr/bin/u3b target=../../usr/bin/i286
1585 hardlink path=/usr/bin/u3b15 target=../../usr/bin/i286
1586 hardlink path=/usr/bin/u3b2 target=../../usr/bin/i286
1587 hardlink path=/usr/bin/u3b5 target=../../usr/bin/i286
1588 hardlink path=/usr/bin/ulimit target=../../usr/bin/alias
1589 hardlink path=/usr/bin/umask target=../../usr/bin/alias
1590 hardlink path=/usr/bin/unalias target=../../usr/bin/alias
1591 hardlink path=/usr/bin/uniq target=../../usr/bin/alias
1592 hardlink path=/usr/bin/uptime target=../../usr/lib/isaexec
1593 hardlink path=/usr/bin/vax target=../../usr/bin/i286
1594 hardlink path=/usr/bin/vedit target=../../has/bin/edit
1595 hardlink path=/usr/bin/w target=../../usr/lib/isaexec
1596 hardlink path=/usr/bin/wait target=../../usr/bin/alias
1597 hardlink path=/usr/bin/wc target=../../usr/bin/alias
1598 hardlink path=/usr/has/bin/ex target=edit
1599 hardlink path=/usr/has/bin/pfsh target=../../bin/pfexec
1600 hardlink path=/usr/has/bin/vedit target=edit
1601 hardlink path=/usr/has/bin/vi target=edit
1602 hardlink path=/usr/has/bin/view target=edit
1603 hardlink path=/usr/lib/fs/hsfs/fstyp target=../../sbin/fstyp
1604 hardlink path=/usr/lib/fs/ufs/dcopy target=../../usr/lib/fs/ufs/clri
1605 hardlink path=/usr/lib/fs/ufs/fstyp target=../../sbin/fstyp
1606 hardlink path=/usr/lib/fs/ufs/quotao \
1607 target=../../usr/lib/fs/ufs/quotaooff
1608 hardlink path=/usr/lib/inet/in.iked target=../../usr/lib/isaexec
1609 hardlink path=/usr/sadm/bin/dispgid target=../../usr/bin/ckgid
1610 hardlink path=/usr/sadm/bin/dispuid target=../../usr/bin/ckuid
1611 hardlink path=/usr/sadm/bin/errange target=../../usr/bin/ckrange
1612 hardlink path=/usr/sadm/bin/errdate target=../../usr/bin/ckdate
1613 hardlink path=/usr/sadm/bin/errgid target=../../usr/bin/ckgid
1614 hardlink path=/usr/sadm/bin/errint target=../../usr/bin/ckint
1615 hardlink path=/usr/sadm/bin/erritem target=../../usr/bin/ckitem
1616 hardlink path=/usr/sadm/bin/errpath target=../../usr/bin/ckpath
1617 hardlink path=/usr/sadm/bin/errstr target=../../usr/bin/ckstr
1618 hardlink path=/usr/sadm/bin/errtime target=../../usr/bin/cktime
1619 hardlink path=/usr/sadm/bin/erruid target=../../usr/bin/ckuid
1620 hardlink path=/usr/sadm/bin/erryor target=../../usr/bin/ckyor
1621 hardlink path=/usr/sadm/bin/helpdate target=../../usr/bin/ckdate
1622 hardlink path=/usr/sadm/bin/helpgid target=../../usr/bin/ckgid
1623 hardlink path=/usr/sadm/bin/helpint target=../../usr/bin/ckint
1624 hardlink path=/usr/sadm/bin/helpitem target=../../usr/bin/ckitem
1625 hardlink path=/usr/sadm/bin/helppath target=../../usr/bin/ckpath
1626 hardlink path=/usr/sadm/bin/helpprange target=../../usr/bin/ckrange
1627 hardlink path=/usr/sadm/bin/helpstr target=../../usr/bin/ckstr
1628 hardlink path=/usr/sadm/bin/helptime target=../../usr/bin/cktime
1629 hardlink path=/usr/sadm/bin/helpuid target=../../usr/bin/ckuid
1630 hardlink path=/usr/sadm/bin/helpyor target=../../usr/bin/ckyor
1631 hardlink path=/usr/sadm/bin/valdate target=../../usr/bin/ckdate
1632 hardlink path=/usr/sadm/bin/valgid target=../../usr/bin/ckgid
1633 hardlink path=/usr/sadm/bin/valint target=../../usr/bin/ckint
1634 hardlink path=/usr/sadm/bin/valpath target=../../usr/bin/ckpath
1635 hardlink path=/usr/sadm/bin/valrange target=../../usr/bin/ckrange
1636 hardlink path=/usr/sadm/bin/valstr target=../../usr/bin/ckstr
1637 hardlink path=/usr/sadm/bin/valtime target=../../usr/bin/cktime
1638 hardlink path=/usr/sadm/bin/valuid target=../../usr/bin/ckuid
1639 hardlink path=/usr/sadm/bin/valyor target=../../usr/bin/ckyor
1640 hardlink path=/usr/sbin/add_drv target=../../usr/lib/isaexec
1641 hardlink path=/usr/sbin/audlinks target=../../devfsadm
1642 hardlink path=/usr/sbin/consadm target=../../usr/sbin/consadm
1643 hardlink path=/usr/sbin/deallocate target=../../usr/sbin/allocate
1644 hardlink path=/usr/sbin/devlinks target=../../devfsadm
1645 hardlink path=/usr/sbin/dfshares target=../../usr/sbin/dfmounts

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1646 hardlink path=/usr/sbin/disks target=../../devfsadm
1647 hardlink path=/usr/sbin/drvconfig target=../../devfsadm
1648 hardlink path=/usr/sbin/list_devices target=../../usr/sbin/allocate
1649 hardlink path=/usr/sbin/mkdevmaps target=../../usr/sbin/mkdevalloc
1650 hardlink path=/usr/sbin/modinfo target=../../usr/lib/isaexec
1651 hardlink path=/usr/sbin/modload target=../../usr/lib/isaexec
1652 hardlink path=/usr/sbin/modunload target=../../usr/lib/isaexec
1653 hardlink path=/usr/sbin/pbind target=../../usr/lib/isaexec
1654 hardlink path=/usr/sbin/ports target=../../devfsadm
1655 hardlink path=/usr/sbin/poweroff target=../../halt
1656 hardlink path=/usr/sbin/prtconf target=../../usr/lib/isaexec
1657 $(sparc_ONLY)hardlink path=/usr/sbin/prtdiag target=../../usr/lib/latex
1658 hardlink path=/usr/sbin/psrset target=../../usr/lib/isaexec
1659 hardlink path=/usr/sbin/reboot target=../../halt
1660 hardlink path=/usr/sbin/rem_drv target=../../usr/lib/isaexec
1661 hardlink path=/usr/sbin/roleadd target=../../usr/sbin/useradd
1662 hardlink path=/usr/sbin/roledel target=../../usr/sbin/userdel
1663 hardlink path=/usr/sbin/rolemod target=../../usr/sbin/usermod
1664 hardlink path=/usr/sbin/share target=../../usr/sbin/sharemgr
1665 hardlink path=/usr/sbin/swap target=../../usr/lib/isaexec
1666 hardlink path=/usr/sbin/sysdef target=../../usr/lib/isaexec
1667 hardlink path=/usr/sbin/tapes target=../../devfsadm
1668 hardlink path=/usr/sbin/unshare target=../../usr/sbin/sharemgr
1669 hardlink path=/usr/sbin/update_drv target=../../usr/lib/isaexec
1670 hardlink path=/usr/sbin/whodo target=../../usr/lib/isaexec
1671 legacy pkg=SUNWcsr \
1672 desc="core software for a specific instruction-set architecture" \
1673 name="Core Solaris, (Root)"
1674 legacy pkg=SUNWcsu \
1675 desc="core software for a specific instruction-set architecture" \
1676 name="Core Solaris, (Usr)"
1677 legacy pkg=SUNWftpr desc="FTP Server Configuration Files" \
1678 name="FTP Server, (Root)"
1679 license cr_Sun license=cr_Sun
1680 license lic_CDDL license=lic_CDDL
1681 license usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE \
1682 license=usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE
1683 license usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE \
1684 license=usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE
1685 license usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.arp \
1686 license=usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.arp
1687 license usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.route \
1688 license=usr/src/cmd/cmd-inet/usr/sbin/THIRDPARTYLICENSE.route
1689 license usr/src/cmd/cmd-inet/usr/sbin/ifconfig/THIRDPARTYLICENSE \
1690 license=usr/src/cmd/cmd-inet/usr/sbin/ifconfig/THIRDPARTYLICENSE
1691 license usr/src/cmd/cmd-inet/usr/sbin/traceroute/THIRDPARTYLICENSE \
1692 license=usr/src/cmd/cmd-inet/usr/sbin/traceroute/THIRDPARTYLICENSE
1693 license usr/src/cmd/cron/THIRDPARTYLICENSE \
1694 license=usr/src/cmd/cron/THIRDPARTYLICENSE
1695 license usr/src/cmd/csh/THIRDPARTYLICENSE \
1696 license=usr/src/cmd/csh/THIRDPARTYLICENSE
1697 license usr/src/cmd/eeprom/THIRDPARTYLICENSE \
1698 license=usr/src/cmd/eeprom/THIRDPARTYLICENSE
1699 license usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE \
1700 license=usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE
1701 license usr/src/cmd/mt/THIRDPARTYLICENSE \
1702 license=usr/src/cmd/mt/THIRDPARTYLICENSE
1703 license usr/src/cmd/script/THIRDPARTYLICENSE \
1704 license=usr/src/cmd/script/THIRDPARTYLICENSE
1705 license usr/src/cmd/sed/THIRDPARTYLICENSE \
1706 license=usr/src/cmd/sed/THIRDPARTYLICENSE
1707 license usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE \
1708 license=usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE
1709 license usr/src/cmd/tail/THIRDPARTYLICENSE \
1710 license=usr/src/cmd/tail/THIRDPARTYLICENSE
1711 license usr/src/cmd/tip/THIRDPARTYLICENSE \

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1712 license=usr/src/cmd/tip/THIRDPARTYLICENSE
1713 license usr/src/cmd/tr/THIRDPARTYLICENSE \
1714 license=usr/src/cmd/tr/THIRDPARTYLICENSE
1715 license usr/src/cmd/vi/THIRDPARTYLICENSE \
1716 license=usr/src/cmd/vi/THIRDPARTYLICENSE
1717 license usr/src/cmd/which/THIRDPARTYLICENSE \
1718 license=usr/src/cmd/which/THIRDPARTYLICENSE
1719 license usr/src/cmd/xstr/THIRDPARTYLICENSE \
1720 license=usr/src/cmd/xstr/THIRDPARTYLICENSE
1721 license usr/src/common/bzip2/LICENSE license=usr/src/common/bzip2/LICENSE
1722 link path=bin target=./usr/bin
1723 link path=etc/TIMEZONE target=./default/init
1724 link path=etc/autopush target=./sbin/autopush
1725 link path=etc/cfgadm target=./usr/sbin/cfgadm
1726 link path=etc/clri target=./usr/sbin/clri
1727 link path=etc/cron target=./usr/sbin/cron
1728 link path=etc/dcopy target=./usr/sbin/dcopy
1729 link path=etc/ff target=./usr/sbin/ff
1730 link path=etc/fmthard target=./usr/sbin/fmthard
1731 link path=etc/format target=./usr/sbin/format
1732 link path=etc/fsck target=./usr/sbin/fsck
1733 link path=etc/fsdb target=./usr/sbin/fsdb
1734 link path=etc/fstyp target=./usr/sbin/fstyp
1735 link path=etc/ftusers target=./ftpd/ftusers
1736 link path=etc/getty target=./usr/lib/saf/ttymon
1737 link path=etc/grpck target=./usr/sbin/grpck
1738 link path=etc/halt target=./usr/sbin/halt
1739 link path=etc/hosts target=./inet/hosts
1740 link path=etc/inet/ipnodes target=./hosts
1741 link path=etc/inetd.conf target=./inet/inetd.conf
1742 link path=etc/init target=./sbin/init
1743 link path=etc/install target=./usr/sbin/install
1744 link path=etc/killall target=./usr/sbin/killall
1745 link path=etc/labelit target=./usr/sbin/labelit
1746 link path=etc/lib/ld.so.1 target=./lib/ld.so.1
1747 link path=etc/lib/libdl.so.1 target=./lib/libdl.so.1
1748 link path=etc/lib/nss_files.so.1 target=./lib/nss_files.so.1
1749 link path=etc/log target=./var/adm/log
1750 link path=etc/mkfs target=./usr/sbin/mkfs
1751 link path=etc/mknod target=./usr/sbin/mknod
1752 link path=etc/mount target=./sbin/mount
1753 link path=etc/mountall target=./sbin/mountall
1754 link path=etc/ncheck target=./usr/sbin/ncheck
1755 link path=etc/netmasks target=./inet/netmasks
1756 link path=etc/networks target=./inet/networks
1757 link path=etc/protocols target=./inet/protocols
1758 link path=etc/prtconf target=./usr/sbin/prtconf
1759 link path=etc/prtvtoct target=./usr/sbin/prtvtoct
1760 link path=etc/rc0 target=./sbin/rc0
1761 link path=etc/rc1 target=./sbin/rc1
1762 link path=etc/rc2 target=./sbin/rc2
1763 link path=etc/rc3 target=./sbin/rc3
1764 link path=etc/rc5 target=./sbin/rc5
1765 link path=etc/rc6 target=./sbin/rc6
1766 link path=etc/rcS target=./sbin/rcS
1767 link path=etc/reboot target=./usr/sbin/halt
1768 link path=etc/security/audit/localhost/files target=./usr/sbin/audit
1769 link path=etc/services target=./inet/services
1770 link path=etc/setmnt target=./usr/sbin/setmnt
1771 link path=etc/shutdown target=./usr/sbin/shutdown
1772 link path=etc/sulogin target=./sbin/sulogin
1773 link path=etc/swap target=./usr/sbin/swap
1774 link path=etc/swapadd target=./sbin/swapadd
1775 link path=etc/sysdef target=./usr/sbin/sysdef
1776 link path=etc/tar target=./usr/sbin/tar
1777 link path=etc/telinit target=./sbin/init

```

```

1778 link path=etc/uadmin target=./sbin/uadmin
1779 link path=etc/umount target=./sbin/umount
1780 link path=etc/umountall target=./sbin/umountall
1781 link path=etc/utmpx target=./var/adm/utmpx
1782 link path=etc/volcopy target=./usr/sbin/volcopy
1783 link path=etc/wall target=./usr/sbin/wall
1784 link path=etc/whodo target=./usr/sbin/whodo
1785 link path=etc/wtmpx target=./var/adm/wtmpx
1786 link path=sbin/in.mpathd target=./lib/inet/in.mpathd
1787 link path=sbin/jsh target=./usr/bin/ksh93
1788 link path=sbin/pfsh target=./usr/bin/pfexec
1789 link path=sbin/sh target=./usr/bin/$(ARCH32)/ksh93
1790 link path=sbin/su target=./usr/bin/su
1791 link path=usr/adm target=./var/adm
1792 link path=usr/bin/cacheftp target=./lib/fs/cacheftp/cacheftp
1793 link path=usr/bin/cacheftpstat target=./lib/fs/cacheftp/cacheftpstat
1794 link path=usr/bin/df target=./sbin/df
1795 link path=usr/bin/jsh target=ksh93
1796 link path=usr/bin/pwconv target=./sbin/pwconv
1797 link path=usr/bin/rmail target=./mail
1798 link path=usr/bin/sh target=$(ARCH32)/ksh93
1799 link path=usr/bin/strclean target=./sbin/strclean
1800 link path=usr/bin/strerr target=./sbin/strerr
1801 link path=usr/bin/sync target=./sbin/sync
1802 link path=usr/bin/tar target=./sbin/tar
1803 link path=usr/bin/uname target=./sbin/uname
1804 link path=usr/ccs/bin/m4 target=./bin/m4
1805 link path=usr/has/bin/jsh target=sh
1806 link path=usr/has/lib/rsh target=./bin/sh
1807 link path=usr/lib/$(ARCH64)/ld.so.1 target=./lib/$(ARCH64)/ld.so.1
1808 link path=usr/lib/cron target=./etc/cron.d
1809 link path=usr/lib/devfsadm/devfsadm target=./sbin/devfsadm
1810 link path=usr/lib/embedded_su target=./bin/su
1811 link path=usr/lib/fs/dev/mount target=./etc/fs/dev/mount
1812 link path=usr/lib/fs/hfs/mount target=./etc/fs/hfs/mount
1813 link path=usr/lib/fs/ufs/mount target=./etc/fs/ufs/mount
1814 link path=usr/lib/inet/in.mpathd target=./lib/inet/in.mpathd
1815 link path=usr/lib/ld.so.1 target=./lib/ld.so.1
1816 link path=usr/lib/locale/POSIX target=./C
1817 link path=usr/lib/rsh target=./bin/ksh93
1818 link path=usr/lib/secure/32 target=
1819 link path=usr/lib/secure/64 target=$(ARCH64)
1820 link path=usr/lib/wusbd target=./sbin/wusbadm
1821 link path=usr/mail target=./var/mail
1822 link path=usr/net/nls/listen target=./lib/saf/listen
1823 link path=usr/net/nls/nlps_server target=./lib/saf/nlps_server
1824 link path=usr/news target=./var/news
1825 link path=usr/preserve target=./var/preserve
1826 link path=usr/pub target=./share/lib/pub
1827 link path=usr/sbin/autopush target=./sbin/autopush
1828 link path=usr/sbin/bootadm target=./sbin/bootadm
1829 link path=usr/sbin/cacheftplog target=./lib/fs/cacheftp/cacheftplog
1830 link path=usr/sbin/cacheftpssize target=./lib/fs/cacheftp/cacheftpssize
1831 link path=usr/sbin/cfsadmin target=./lib/fs/cacheftp/cfsadmin
1832 link path=usr/sbin/cryptoadm target=./sbin/cryptoadm
1833 link path=usr/sbin/dcopy target=./clri
1834 link path=usr/sbin/devnm target=./df
1835 link path=usr/sbin/dladm target=./sbin/dladm
1836 link path=usr/sbin/dlstat target=./sbin/dlstat
1837 link path=usr/sbin/edquota target=./lib/fs/ufs/edquota
1838 link path=usr/sbin/fdisk target=./sbin/fdisk
1839 link path=usr/sbin/fiocompress target=./sbin/fiocompress
1840 link path=usr/sbin/flowadm target=./sbin/flowadm
1841 link path=usr/sbin/flowstat target=./sbin/flowstat
1842 link path=usr/sbin/fsdb target=./clri
1843 link path=usr/sbin/fsirand target=./lib/fs/ufs/fsirand

```

```
1844 link path=usr/sbin/fssnap target=./clri
1845 link path=usr/sbin/hostconfig target=../../sbin/hostconfig
1846 link path=usr/sbin/ifconfig target=../../sbin/ifconfig
1847 link path=usr/sbin/inetd target=../../lib/inet/inetd
1848 link path=usr/sbin/init target=../../sbin/init
1849 $(i386_ONLY)link path=usr/sbin/installgrub target=../../sbin/installgrub
1850 link path=usr/sbin/ipadm target=../../sbin/ipadm
1851 link path=usr/sbin/impstat target=../../sbin/impstat
1852 link path=usr/sbin/labelit target=./clri
1853 link path=usr/sbin/lockfs target=./lib/fs/ufs/lockfs
1854 link path=usr/sbin/mkfs target=./clri
1855 link path=usr/sbin/mount target=../../sbin/mount
1856 link path=usr/sbin/ncheck target=./ff
1857 link path=usr/sbin/newfs target=./lib/fs/ufs/newfs
1858 link path=usr/sbin/quot target=./lib/fs/ufs/quot
1859 link path=usr/sbin/quotacheck target=./lib/fs/ufs/quotacheck
1860 link path=usr/sbin/quotacheck target=./lib/fs/ufs/quotacheck
1861 link path=usr/sbin/quotaooff target=./lib/fs/ufs/quotaooff
1862 link path=usr/sbin/quotaoon target=./lib/fs/ufs/quotaoon
1863 link path=usr/sbin/repquota target=./lib/fs/ufs/repquota
1864 link path=usr/sbin/route target=../../sbin/route
1865 link path=usr/sbin/routeadm target=../../sbin/routeadm
1866 link path=usr/sbin/sync target=../../sbin/sync
1867 link path=usr/sbin/tunefs target=./lib/fs/ufs/tunefs
1868 link path=usr/sbin/tzreload target=../../sbin/tzreload
1869 link path=usr/sbin/uadmin target=../../sbin/uadmin
1870 link path=usr/sbin/ufsdump target=./lib/fs/ufs/ufsdump
1871 link path=usr/sbin/ufsrestore target=./lib/fs/ufs/ufsrestore
1872 link path=usr/sbin/umount target=../../sbin/umount
1873 link path=usr/sbin/wusbadm target=../../sbin/wusbadm
1874 link path=usr/spool target=./var/spool
1875 link path=usr/src target=./share/src
1876 link path=usr/tmp target=./var/tmp
1877 link path=var/ld/32 target=.
1878 link path=var/ld/64 target=$(ARCH64)
1879 #
1880 # The bootadm binary needs the etc/release file.
1881 #
1882 depend fmri=release/name type=require
1883 #
1884 # intrd and others use the illumos-defaulted perl interpreter
1885 #
1886 depend fmri=runtime/perl$(PERL_PKGVERS) type=require
1887 #
1888 # intrd uses sun-solaris Perl modules
1889 #
1890 depend fmri=runtime/perl$(PERL_PKGVERS)/module/sun-solaris type=require
1891 #
1892 # The loadkeys binary needs the keytables.
1893 #
1894 depend fmri=system/data/keyboard/keytables type=require
1895 #
1896 # Depend on terminfo data.
1897 #
1898 depend fmri=system/data/terminfo type=require
1899 #
1900 # Depend on zoneinfo data.
1901 #
1902 depend fmri=system/data/zoneinfo type=require
1903 #
1904 # The mailx binary calls sendmail
1905 #
1906 depend fmri=system/network/mailwrapper type=require
1907 #endif /* ! codereview */
```

new/usr/src/pkg/manifests/developer-build-onbld.mf

1

```
*****
10764 Mon Sep 22 12:11:28 2014
new/usr/src/pkg/manifests/developer-build-onbld.mf
5166 sendmail package should be replaceable
*****
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 2010, Richard Lowe
25 # Copyright 2012, Piotr Jasiukajtis
26 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
27 #
28 #
29 set name=pkg.fmri value=pkg:/developer/build/onbld/$(PKGVERS)
30 set name=pkg.description value="tools used to build the OS-Net consolidation"
31 set name=pkg.summary value="OS-Net Build Tools"
32 set name=info.classification \
33     value="org.opensolaris.category.2008:Development/Distribution Tools"
34 #
35 #
36 # This package should not be incorporated. This allows the tools
37 # to be upgraded without upgrading the entire system.
38 #
39 set name=org.opensolaris.noincorp value=true
40 set name=variant.arch value=$(ARCH)
41 dir path=opt group=sys
42 dir path=opt/onbld
43 dir path=opt/onbld/bin
44 dir path=opt/onbld/bin/$(ARCH)
45 dir path=opt/onbld/env
46 dir path=opt/onbld/etc
47 dir path=opt/onbld/etc/exception_lists
48 dir path=opt/onbld/gk
49 dir path=opt/onbld/lib
50 dir path=opt/onbld/lib/$(ARCH)
51 dir path=opt/onbld/lib/perl
52 dir path=opt/onbld/lib/python2.6
53 dir path=opt/onbld/lib/python2.6/onbld
54 dir path=opt/onbld/lib/python2.6/onbld/Checks
55 dir path=opt/onbld/lib/python2.6/onbld/Scm
56 dir path=opt/onbld/lib/python2.6/onbld/hgext
57 dir path=opt/onbld/man
58 dir path=opt/onbld/man/man1
59 $(i386_ONLY)file path=opt/onbld/bin/$(ARCH)/aw mode=0555
60 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/chk4ubln mode=0555
61 file path=opt/onbld/bin/$(ARCH)/codereview mode=0555
```

new/usr/src/pkg/manifests/developer-build-onbld.mf

2

```
62 file path=opt/onbld/bin/$(ARCH)/cscope-fast mode=0555
63 file path=opt/onbld/bin/$(ARCH)/ctfconvert mode=0555
64 file path=opt/onbld/bin/$(ARCH)/ctfdump mode=0555
65 file path=opt/onbld/bin/$(ARCH)/ctfmerge mode=0555
66 file path=opt/onbld/bin/$(ARCH)/ctfstabs mode=0555
67 file path=opt/onbld/bin/$(ARCH)/ctfstrip mode=0555
68 file path=opt/onbld/bin/$(ARCH)/cw mode=0555
69 $(i386_ONLY)file path=opt/onbld/bin/$(ARCH)/elfextract mode=0555
70 file path=opt/onbld/bin/$(ARCH)/findunref mode=0555
71 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/forth mode=0555
72 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/forth_preload.so.1 mode=0555
73 file path=opt/onbld/bin/$(ARCH)/install mode=0555
74 file path=opt/onbld/bin/$(ARCH)/lintdump mode=0555
75 $(i386_ONLY)file path=opt/onbld/bin/$(ARCH)/mbh_patch mode=0555
76 file path=opt/onbld/bin/$(ARCH)/ndrgen mode=0555
77 file path=opt/onbld/bin/$(ARCH)/ndrgen1 mode=0555
78 file path=opt/onbld/bin/$(ARCH)/pmodes mode=0555
79 file path=opt/onbld/bin/$(ARCH)/protocmp mode=0555
80 file path=opt/onbld/bin/$(ARCH)/protolist mode=0555
81 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/stabs mode=0555
82 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/tokenize mode=0555
83 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/tokenize.exe mode=0555
84 file path=opt/onbld/bin/Install mode=0555
85 file path=opt/onbld/bin/bldev mode=0555
86 file path=opt/onbld/bin/bringovercheck mode=0555
87 file path=opt/onbld/bin/build_cscope mode=0555
88 file path=opt/onbld/bin/cddlchk mode=0555
89 file path=opt/onbld/bin/check_rtime mode=0555
90 file path=opt/onbld/bin/checkpaths mode=0555
91 file path=opt/onbld/bin/checkproto mode=0555
92 file path=opt/onbld/bin/copyrightchk mode=0555
93 file path=opt/onbld/bin/cstyle mode=0555
94 file path=opt/onbld/bin/ctfcvtptbl mode=0555
95 file path=opt/onbld/bin/ctffindmod mode=0555
96 file path=opt/onbld/bin/elfcmp mode=0555
97 file path=opt/onbld/bin/elfsigncmp mode=0555
98 file path=opt/onbld/bin/find_elf mode=0555
99 file path=opt/onbld/bin/findcrypto mode=0555
100 file path=opt/onbld/bin/flg.flp mode=0555
101 file path=opt/onbld/bin/genoffsets mode=0555
102 file path=opt/onbld/bin/get_depend_info mode=0555
103 file path=opt/onbld/bin/git-pbchk mode=0555
104 file path=opt/onbld/bin/hdrchk mode=0555
105 file path=opt/onbld/bin/hg-active mode=0555
106 file path=opt/onbld/bin/hgsetup mode=0555
107 file path=opt/onbld/bin/interface_check mode=0555
108 file path=opt/onbld/bin/interface_cmp mode=0555
109 file path=opt/onbld/bin/jstyle mode=0555
110 file path=opt/onbld/bin/make_pkg_db mode=0555
111 file path=opt/onbld/bin/mapfilechk mode=0555
112 file path=opt/onbld/bin/nightly mode=0555
113 file path=opt/onbld/bin/onu mode=0555
114 file path=opt/onbld/bin/protocmp terse mode=0555
115 file path=opt/onbld/bin/sccscheck mode=0555
116 file path=opt/onbld/bin/signit mode=0555
117 file path=opt/onbld/bin/signproto mode=0555
118 file path=opt/onbld/bin/validate_flg mode=0555
119 file path=opt/onbld/bin/validate_paths mode=0555
120 file path=opt/onbld/bin/validate_pkg mode=0555
121 file path=opt/onbld/bin/wdiff mode=0555
122 file path=opt/onbld/bin/webrev mode=0555
123 file path=opt/onbld/bin/which_scm mode=0555
124 file path=opt/onbld/bin/ws mode=0555
125 file path=opt/onbld/bin/wsdiff mode=0555
126 file path=opt/onbld/bin/xref mode=0555
127 file path=opt/onbld/bin/xref.mk
```

```

128 file path=opt/onbld/env/developer
129 file path=opt/onbld/env/gatekeeper
130 file path=opt/onbld/env/illumos
131 file path=opt/onbld/etc/SampleLinks
132 file path=opt/onbld/etc/SamplePkgLinks
133 file path=opt/onbld/etc/exception_lists/check_rtime
134 file path=opt/onbld/etc/exception_lists/interface_check
135 file path=opt/onbld/etc/exception_lists/interface_cmp
136 file path=opt/onbld/etc/hgstyle
137 file path=opt/onbld/etc/its.conf
138 file path=opt/onbld/etc/its.reg
139 file path=opt/onbld/gk/.cshrc
140 file path=opt/onbld/gk/.login
141 file path=opt/onbld/gk/gen_make.machines mode=0755
142 file path=opt/onbld/lib/$(ARCH)/libdwarf.so.1
143 file path=opt/onbld/lib/perl/onbld_elfmod.pm
144 file path=opt/onbld/lib/perl/onbld_elfmod_vertype.pm
145 file path=opt/onbld/lib/python2.6/onbld/Checks/CStyle.py mode=0444
146 file path=opt/onbld/lib/python2.6/onbld/Checks/CStyle.pyc mode=0444
147 file path=opt/onbld/lib/python2.6/onbld/Checks/Cddl.py mode=0444
148 file path=opt/onbld/lib/python2.6/onbld/Checks/Cddl.pyc mode=0444
149 file path=opt/onbld/lib/python2.6/onbld/Checks/CmtBlk.py mode=0444
150 file path=opt/onbld/lib/python2.6/onbld/Checks/CmtBlk.pyc mode=0444
151 file path=opt/onbld/lib/python2.6/onbld/Checks/Comments.py mode=0444
152 file path=opt/onbld/lib/python2.6/onbld/Checks/Comments.pyc mode=0444
153 file path=opt/onbld/lib/python2.6/onbld/Checks/Copyright.py mode=0444
154 file path=opt/onbld/lib/python2.6/onbld/Checks/Copyright.pyc mode=0444
155 file path=opt/onbld/lib/python2.6/onbld/Checks/DbLookups.py mode=0444
156 file path=opt/onbld/lib/python2.6/onbld/Checks/DbLookups.pyc mode=0444
157 file path=opt/onbld/lib/python2.6/onbld/Checks/HdrChk.py mode=0444
158 file path=opt/onbld/lib/python2.6/onbld/Checks/HdrChk.pyc mode=0444
159 file path=opt/onbld/lib/python2.6/onbld/Checks/JStyle.py mode=0444
160 file path=opt/onbld/lib/python2.6/onbld/Checks/JStyle.pyc mode=0444
161 file path=opt/onbld/lib/python2.6/onbld/Checks/Keywords.py mode=0444
162 file path=opt/onbld/lib/python2.6/onbld/Checks/Keywords.pyc mode=0444
163 file path=opt/onbld/lib/python2.6/onbld/Checks/ManLint.py mode=0444
164 file path=opt/onbld/lib/python2.6/onbld/Checks/ManLint.pyc mode=0444
165 file path=opt/onbld/lib/python2.6/onbld/Checks/Mapfile.py mode=0444
166 file path=opt/onbld/lib/python2.6/onbld/Checks/Mapfile.pyc mode=0444
167 file path=opt/onbld/lib/python2.6/onbld/Checks/ProcessCheck.py mode=0444
168 file path=opt/onbld/lib/python2.6/onbld/Checks/ProcessCheck.pyc mode=0444
169 file path=opt/onbld/lib/python2.6/onbld/Checks/__init__.py mode=0444
170 file path=opt/onbld/lib/python2.6/onbld/Checks/__init__.pyc mode=0444
171 file path=opt/onbld/lib/python2.6/onbld/Scm/Backup.py mode=0444
172 file path=opt/onbld/lib/python2.6/onbld/Scm/Backup.pyc mode=0444
173 file path=opt/onbld/lib/python2.6/onbld/Scm/Version.py mode=0444
174 file path=opt/onbld/lib/python2.6/onbld/Scm/Version.pyc mode=0444
175 file path=opt/onbld/lib/python2.6/onbld/Scm/WorkSpace.py mode=0444
176 file path=opt/onbld/lib/python2.6/onbld/Scm/WorkSpace.pyc mode=0444
177 file path=opt/onbld/lib/python2.6/onbld/Scm/__init__.py mode=0444
178 file path=opt/onbld/lib/python2.6/onbld/Scm/__init__.pyc mode=0444
179 file path=opt/onbld/lib/python2.6/onbld/__init__.py mode=0444
180 file path=opt/onbld/lib/python2.6/onbld/__init__.pyc mode=0444
181 file path=opt/onbld/lib/python2.6/onbld/hgext/__init__.py mode=0444
182 file path=opt/onbld/lib/python2.6/onbld/hgext/__init__.pyc mode=0444
183 file path=opt/onbld/lib/python2.6/onbld/hgext/cdm.py mode=0444
184 file path=opt/onbld/man/man1/Install.1
185 file path=opt/onbld/man/man1/bldenv.1
186 file path=opt/onbld/man/man1/bringovercheck.1
187 file path=opt/onbld/man/man1/cddlchk.1
188 file path=opt/onbld/man/man1/check_rtime.1
189 file path=opt/onbld/man/man1/checkpaths.1
190 file path=opt/onbld/man/man1/codereview.1
191 file path=opt/onbld/man/man1/cstyle.1
192 file path=opt/onbld/man/man1/cw.1
193 file path=opt/onbld/man/man1/find_elf.1

```

```

194 file path=opt/onbld/man/man1/findunref.1
195 file path=opt/onbld/man/man1/flg.flp.1
196 file path=opt/onbld/man/man1/get_depend_info.1
197 file path=opt/onbld/man/man1/git-pbchk.1
198 file path=opt/onbld/man/man1/hdrchk.1
199 file path=opt/onbld/man/man1/hgsetup.1
200 file path=opt/onbld/man/man1/interface_check.1
201 file path=opt/onbld/man/man1/interface_cmp.1
202 file path=opt/onbld/man/man1/jstyle.1
203 file path=opt/onbld/man/man1/lintdump.1
204 file path=opt/onbld/man/man1/make_pkg_db.1
205 file path=opt/onbld/man/man1/mapfilechk.1
206 file path=opt/onbld/man/man1/ndrgen.1
207 file path=opt/onbld/man/man1/nightly.1
208 file path=opt/onbld/man/man1/onu.1
209 file path=opt/onbld/man/man1/scscheck.1
210 file path=opt/onbld/man/man1/signit.1
211 file path=opt/onbld/man/man1/signproto.1
212 file path=opt/onbld/man/man1/webrev.1
213 file path=opt/onbld/man/man1/which_scm.1
214 file path=opt/onbld/man/man1/ws.1
215 file path=opt/onbld/man/man1/wsdiff.1
216 file path=opt/onbld/man/man1/xref.1
217 hardlink path=opt/onbld/bin/$(ARCH)/install.bin target=./install
218 legacy pkg=SUNWonbld desc="tools used to build the OS-Net consolidation" \
219     name="OS-Net Build Tools" version=11.11.REV=2009.10.22
220 license cr_Sun license=cr_Sun
221 license lic_CDDL license=lic_CDDL
222 license usr/src/tools/ctf/dwarf/THIRDPARTYLICENSE \
223     license=usr/src/tools/ctf/dwarf/THIRDPARTYLICENSE
224 license usr/src/tools/onbld/THIRDPARTYLICENSE \
225     license=usr/src/tools/onbld/THIRDPARTYLICENSE
226 link path=opt/onbld/bin/git-nits target=git-pbchk
227 link path=opt/onbld/lib/python target=python2.6
228 link path=opt/onbld/man/man1/git-nits.1 target=git-pbchk.1
229 # webrev(1) requires ps2pdf
230 depend fmri=print/filter/ghostscript type=require
231 # hgsetup(1) uses check-hostname(1) and nightly sendmail(1M)
232 depend fmri=service/network/sntp/sendmail type=require
231 # nightly(1) uses wget
232 depend fmri=web/wget type=require

```

new/usr/src/pkg/manifests/service-network-smtp-sendmail.mf

1

```
*****
12013 Mon Sep 22 12:11:29 2014
new/usr/src/pkg/manifests/service-network-smtp-sendmail.mf
5166 sendmail package should be replaceable
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
25 #
26 #
27 set name=pkg.fmri \
28     value=pkg:/service/network/smtp/sendmail@8.14.4,${PKGVERS_BUILTON}-${PKGVERS}
29 set name=pkg.description value="Sendmail Utilities"
30 set name=pkg.summary value=Sendmail
31 set name=info.classification value=org.opensolaris.category.2008:System/Core
32 set name=variant.arch value=${ARCH}
33 dir path=etc group=sys
34 dir path=etc/init.d group=sys
35 dir path=etc/mail group=mail
36 dir path=etc/mail/cf group=mail
37 dir path=etc/mail/cf/cf group=mail
38 dir path=etc/mail/cf/domain group=mail
39 dir path=etc/mail/cf/feature group=mail
40 dir path=etc/mail/cf/m4 group=mail
41 dir path=etc/mail/cf/feature group=mail
42 dir path=etc/mail/cf/ostype group=mail
43 dir path=etc/mail/cf/sh group=mail
44 dir path=lib
45 dir path=lib/svc
46 dir path=lib/svc/manifest group=sys
47 dir path=lib/svc/manifest/network group=sys
48 dir path=lib/svc/method
49 dir path=lib/svc/share
50 dir path=usr group=sys
51 dir path=usr/bin
52 dir path=usr/include
53 dir path=usr/include/libmilter
54 dir path=usr/lib
55 dir path=usr/lib/help
56 dir path=usr/lib/help/auths
57 dir path=usr/lib/help/auths/locale
58 dir path=usr/lib/help/auths/locale/C
59 dir path=usr/lib/sntp
60 dir path=usr/lib/sntp/sendmail
61 #endif /* ! codereview */
```

new/usr/src/pkg/manifests/service-network-smtp-sendmail.mf

2

```
62 dir path=usr/sbin
63 dir path=usr/share/man
64 dir path=usr/share/man/man1
65 dir path=usr/share/man/man1m
66 dir path=usr/share/man/man4
67 dir path=var group=sys
68 dir path=var/adm group=sys mode=0775
69 dir path=var/adm/sm.bin group=sys
70 dir path=var/spool
71 dir path=var/spool/clientmqueue group=smsmp mode=0770 owner=smsmp
72 dir path=var/spool/mqueue mode=0750
73 file path=etc/init.d/sendmail group=sys mode=0744 \
74     original_name=SUNWSndm:etc/init.d/sendmail preserve=true
75 file path=etc/mail/aliases original_name=SUNWSndm:etc/mail/aliases \
76     preserve=true
77 file path=etc/mail/cf/README group=mail mode=0444
78 file path=etc/mail/cf/cf/Makefile group=mail mode=0444
79 file path=etc/mail/cf/cf/sendmail.cf group=mail mode=0444
80 file path=etc/mail/cf/cf/sendmail.mc group=mail mode=0444
81 file path=etc/mail/cf/cf/submit.cf group=mail mode=0444
82 file path=etc/mail/cf/cf/submit.mc group=mail mode=0444
83 file path=etc/mail/cf/domain/generic.m4 group=mail mode=0444
84 file path=etc/mail/cf/domain/solaris-antispam.m4 group=mail mode=0444
85 file path=etc/mail/cf/domain/solaris-generic.m4 group=mail mode=0444
86 file path=etc/mail/cf/feature/accept_unqualified_senders.m4 group=mail \
87     mode=0444
88 file path=etc/mail/cf/feature/accept_unresolvable_domains.m4 group=mail \
89     mode=0444
90 file path=etc/mail/cf/feature/access_db.m4 group=mail mode=0444
91 file path=etc/mail/cf/feature/allmasquerade.m4 group=mail mode=0444
92 file path=etc/mail/cf/feature/always_add_domain.m4 group=mail mode=0444
93 file path=etc/mail/cf/feature/badmx.m4 group=mail mode=0444
94 file path=etc/mail/cf/feature/bestmx_is_local.m4 group=mail mode=0444
95 file path=etc/mail/cf/feature/bitdomain.m4 group=mail mode=0444
96 file path=etc/mail/cf/feature/blacklist_recipients.m4 group=mail mode=0444
97 file path=etc/mail/cf/feature/block_bad_helo.m4 group=mail mode=0444
98 file path=etc/mail/cf/feature/compat_check.m4 group=mail mode=0444
99 file path=etc/mail/cf/feature/conncontrol.m4 group=mail mode=0444
100 file path=etc/mail/cf/feature/delay_checks.m4 group=mail mode=0444
101 file path=etc/mail/cf/feature/dnsbl.m4 group=mail mode=0444
102 file path=etc/mail/cf/feature/domaintable.m4 group=mail mode=0444
103 file path=etc/mail/cf/feature/enhdnsbl.m4 group=mail mode=0444
104 file path=etc/mail/cf/feature/generics_entire_domain.m4 group=mail mode=0444
105 file path=etc/mail/cf/feature/genericstable.m4 group=mail mode=0444
106 file path=etc/mail/cf/feature/greet_pause.m4 group=mail mode=0444
107 file path=etc/mail/cf/feature/ldap_routing.m4 group=mail mode=0444
108 file path=etc/mail/cf/feature/limited_masquerade.m4 group=mail mode=0444
109 file path=etc/mail/cf/feature/local_lmtp.m4 group=mail mode=0444
110 file path=etc/mail/cf/feature/local_no_masquerade.m4 group=mail mode=0444
111 file path=etc/mail/cf/feature/local_procmail.m4 group=mail mode=0444
112 file path=etc/mail/cf/feature/lookupdotdomain.m4 group=mail mode=0444
113 file path=etc/mail/cf/feature/loose_relay_check.m4 group=mail mode=0444
114 file path=etc/mail/cf/feature/mailertable.m4 group=mail mode=0444
115 file path=etc/mail/cf/feature/masquerade_entire_domain.m4 group=mail mode=0444
116 file path=etc/mail/cf/feature/masquerade_envelope.m4 group=mail mode=0444
117 file path=etc/mail/cf/feature/msp.m4 group=mail mode=0444
118 file path=etc/mail/cf/feature/mtamark.m4 group=mail mode=0444
119 file path=etc/mail/cf/feature/no_default_msa.m4 group=mail mode=0444
120 file path=etc/mail/cf/feature/nocanonify.m4 group=mail mode=0444
121 file path=etc/mail/cf/feature/notsticky.m4 group=mail mode=0444
122 file path=etc/mail/cf/feature/nouucp.m4 group=mail mode=0444
123 file path=etc/mail/cf/feature/nullclient.m4 group=mail mode=0444
124 file path=etc/mail/cf/feature/preserve_local_plus_detail.m4 group=mail \
125     mode=0444
126 file path=etc/mail/cf/feature/preserve_luser_host.m4 group=mail mode=0444
127 file path=etc/mail/cf/feature/promiscuous_relay.m4 group=mail mode=0444
```

```

128 file path=etc/mail/cf/feature/queuergroup.m4 group=mail mode=0444
129 file path=etc/mail/cf/feature/ratecontrol.m4 group=mail mode=0444
130 file path=etc/mail/cf/feature/redirect.m4 group=mail mode=0444
131 file path=etc/mail/cf/feature/relay_based_on_MX.m4 group=mail mode=0444
132 file path=etc/mail/cf/feature/relay_entire_domain.m4 group=mail mode=0444
133 file path=etc/mail/cf/feature/relay_hosts_only.m4 group=mail mode=0444
134 file path=etc/mail/cf/feature/relay_local_from.m4 group=mail mode=0444
135 file path=etc/mail/cf/feature/relay_mail_from.m4 group=mail mode=0444
136 file path=etc/mail/cf/feature/require_rdns.m4 group=mail mode=0444
137 file path=etc/mail/cf/feature/smrsh.m4 group=mail mode=0444
138 file path=etc/mail/cf/feature/stickyhost.m4 group=mail mode=0444
139 file path=etc/mail/cf/feature/use_client_ptr.m4 group=mail mode=0444
140 file path=etc/mail/cf/feature/use_ct_file.m4 group=mail mode=0444
141 file path=etc/mail/cf/feature/use_cw_file.m4 group=mail mode=0444
142 file path=etc/mail/cf/feature/uucpdomain.m4 group=mail mode=0444
143 file path=etc/mail/cf/feature/virtuser_entire_domain.m4 group=mail mode=0444
144 file path=etc/mail/cf/feature/virtusertable.m4 group=mail mode=0444
145 file path=etc/mail/cf/m4/cf.m4 group=mail mode=0444
146 file path=etc/mail/cf/m4/cfhead.m4 group=mail mode=0444
147 file path=etc/mail/cf/m4/proto.m4 group=mail mode=0444
148 file path=etc/mail/cf/m4/version.m4 group=mail mode=0444
149 file path=etc/mail/cf/mailler/local.m4 group=mail mode=0444
150 file path=etc/mail/cf/mailler/procmail.m4 group=mail mode=0444
151 file path=etc/mail/cf/mailler/smtp.m4 group=mail mode=0444
152 file path=etc/mail/cf/mailler/uucp.m4 group=mail mode=0444
153 file path=etc/mail/cf/ostype/solaris2.m4 group=mail mode=0444
154 file path=etc/mail/cf/ostype/solaris2.ml.m4 group=mail mode=0444
155 file path=etc/mail/cf/ostype/solaris2.pre5.m4 group=mail mode=0444
156 file path=etc/mail/cf/ostype/solaris8.m4 group=mail mode=0444
157 file path=etc/mail/cf/sh/makeinfo.sh group=mail mode=0444
158 file path=etc/mail/helpfile
159 file path=etc/mail/local-host-names \
160   original_name=SUNWsndm:etc/mail/local-host-names preserve=true
161 file path=etc/mail/sendmail.cf mode=0444 \
162   original_name=SUNWsndm:etc/mail/sendmail.cf preserve=renameold
163 file path=etc/mail/submit.cf mode=0444 \
164   original_name=SUNWsndm:etc/mail/submit.cf preserve=renameold
165 file path=etc/mail/trusted-users original_name=SUNWsndm:etc/mail/trusted-users \
166   preserve=true
167 file path=lib/svc/manifest/network/sendmail-client.xml group=sys mode=0444
168 file path=lib/svc/manifest/network/smtp-sendmail.xml group=sys mode=0444
169 file path=lib/svc/method/sendmail-client mode=0555
170 file path=lib/svc/method/smtp-sendmail mode=0555
171 file path=lib/svc/share/sendmail_include.sh mode=0444
172 file path=usr/bin/mailcompat mode=0555
173 file path=usr/bin/mailq mode=4555
174 file path=usr/bin/mailstats mode=0555
175 file path=usr/bin/mconnect mode=0555
176 file path=usr/bin/praliases mode=0555
177 file path=usr/bin/vacation mode=0555
178 file path=usr/include/libmilter/README
179 file path=usr/include/libmilter/mfapi.h
180 file path=usr/include/libmilter/mfdef.h
181 file path=usr/lib/help/auths/locale/C/MailHeader.html
182 file path=usr/lib/help/auths/locale/C/MailQueue.html
183 file path=usr/lib/libmilter.so.1
184 file path=usr/lib/l1ib-lmilter
185 file path=usr/lib/l1ib-lmilter.ln
186 file path=usr/lib/mail.local mode=0555
187 file path=usr/lib/sendmail group=smmsp mode=2555
188 file path=usr/lib/smrsh mode=0555
189 file path=usr/lib/smtp/sendmail/mailq mode=4555
190 file path=usr/lib/smtp/sendmail/sendmail group=smmsp mode=2555
191 #endif /* ! codereview */

```

```

192 file path=usr/sbin/editmap mode=0555
193 file path=usr/sbin/etrn mode=0555
194 file path=usr/sbin/makemap mode=0555
195 file path=usr/share/man/man1/mailcompat.1
196 file path=usr/share/man/man1/mailq.1
197 file path=usr/share/man/man1/mailstats.1
198 file path=usr/share/man/man1/mconnect.1
199 file path=usr/share/man/man1/praliases.1
200 file path=usr/share/man/man1/vacation.1
201 file path=usr/share/man/man1m/check-hostname.1m
202 file path=usr/share/man/man1m/check-permissions.1m
203 file path=usr/share/man/man1m/editmap.1m
204 file path=usr/share/man/man1m/etrn.1m
205 file path=usr/share/man/man1m/makemap.1m
206 file path=usr/share/man/man1m/newaliases.1m
207 file path=usr/share/man/man1m/sendmail.1m
208 file path=usr/share/man/man1m/smrsh.1m
209 file path=usr/share/man/man4/alias.4
210 file path=usr/share/man/man4/aliases.4
211 file path=usr/share/man/man4/sendmail.4
212 legacy pkg=SUNWsndm desc="Sendmail Configuration Files" \
213   name="Sendmail (root)"
214 legacy pkg=SUNWsndm desc="Sendmail Utilities" name="Sendmail (/usr)"
215 license cr_Sun license=cr_Sun
216 license lic_CDDL license=lic_CDDL
217 license usr/src/cmd/sendmail/THIRDPARTYLICENSE \
218   license=usr/src/cmd/sendmail/THIRDPARTYLICENSE
219 link path=etc/aliases mediator=mta mediator-implementation=sendmail \
220   target=./mail/aliases
221 link path=etc/aliases target=./mail/aliases
222 link path=etc/mail/cf/cf/main.cf target=sendmail.cf
223 link path=etc/mail/cf/cf/subsidiary.cf target=sendmail.cf
224 link path=etc/mail/cf/cf/subsidiary.mc target=sendmail.mc
225 link path=etc/mail/cf/sh/check-hostname \
226   target=../../../../usr/sbin/check-hostname
227 link path=etc/mail/cf/sh/check-permissions \
228   target=../../../../usr/sbin/check-permissions
229 link path=etc/mail/main.cf target=sendmail.cf
230 link path=etc/mail/sendmail.hf target=helpfile
231 link path=etc/mail/subsidiary.cf target=sendmail.cf
232 link path=usr/bin/mailq mediator=mta mediator-implementation=sendmail \
233   target=./lib/smtp/sendmail/mailq
234 #endif /* ! codereview */
235 link path=usr/lib/libmilter.so target=libmilter.so.1
236 link path=usr/lib/mail target=./etc/mail/cf
237 link path=usr/lib/sendmail mediator=mta mediator-implementation=sendmail \
238   target=./lib/smtp/sendmail/sendmail
239 link path=usr/lib/smtp/sendmail/newaliases target=sendmail
240 link path=usr/sbin/newaliases mediator=mta mediator-implementation=sendmail \
241   target=./lib/smtp/sendmail/newaliases
242 link path=usr/sbin/sendmail mediator=mta mediator-implementation=sendmail \
243   target=./lib/smtp/sendmail/sendmail
244 link path=usr/sbin/newaliases target=./lib/sendmail
245 link path=usr/share/man/man4/addresses.4 target=aliases.4
246 link path=usr/share/man/man4/forward.4 target=aliases.4
247 link path=usr/share/man/man4/sendmail.cf.4 target=sendmail.4
248 link path=usr/share/man/man4/submit.cf.4 target=sendmail.4
249 depend fmri=runtime/perl5(PERL_Pkgvers) type=require

```

new/usr/src/pkg/manifests/system-network-mailwrapper.mf

1

1758 Mon Sep 22 12:11:30 2014

new/usr/src/pkg/manifests/system-network-mailwrapper.mf

5166 sendmail package should be replaceable

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet
9 # at http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright 2014, Alexander Pyhalov
14 #
15 #
16 set name=pkg.fmri value=pkg:/system/network/mailwrapper@$(PKGVERS)
17 set name=pkg.description \
18     value="utility to invoke appropriate MTA software based on configuration fil
19 set name=pkg.summary value=mailwrapper
20 set name=info.classification \
21     value="org.opensolaris.category.2008:System/Administration and Configuration
22 set name=variant.arch value=$(ARCH)
23 dir path=etc group=sys
24 dir path=etc/mail group=mail
25 dir path=usr/bin
26 dir path=usr/lib
27 dir path=usr/sbin
28 dir path=usr/share/man
29 dir path=usr/share/man/man1m
30 dir path=usr/share/man/man4
31 file path=etc/mailler.conf group=sys preserve=true
32 file path=usr/lib/mailwrapper mode=0555
33 file path=usr/share/man/man1m/mailwrapper.1m
34 file path=usr/share/man/man4/mailler.conf.4
35 license usr/src/cmd/mailwrapper/THIRDPARTYLICENSE \
36     license=usr/src/cmd/mailwrapper/THIRDPARTYLICENSE
37 link path=usr/bin/mailq mediator=mta mediator-implementation=mailwrapper \
38     target=../lib/mailwrapper
39 link path=usr/lib/sendmail mediator=mta mediator-implementation=mailwrapper \
40     target=mailwrapper
41 link path=usr/sbin/newaliases mediator=mta mediator-implementation=mailwrapper \
42     target=../lib/mailwrapper
43 link path=usr/sbin/sendmail mediator=mta mediator-implementation=mailwrapper \
44     target=../lib/mailwrapper
45 depend fmri=service/network/smtp/sendmail type=require
46 #endif /* ! codereview */
```

new/usr/src/tools/scripts/hgsetup.sh

1

```
*****
4617 Mon Sep 22 12:11:30 2014
new/usr/src/tools/scripts/hgsetup.sh
5166 sendmail package should be replaceable
*****
_____unchanged_portion_omitted_____

62 while getopts c:e:fm:n:p:s: opt; do
63     case "$opt" in
64         c) cdm_path=$OPTARG;;
65         e) email=$OPTARG;;
66         f) force=1;;
67         m) merge_path=$OPTARG;;
68         n) name=$OPTARG;;
69         p) proxy=$OPTARG;;
70         s) style_path=$OPTARG;;
71         *) usage;;
72         esac
73 done

75 if [ -f $HGRC -a "$force" -eq 0 ]; then
76     echo "Error: You have an existing .hgrc in $HGRC"
77     echo "Please move it aside."
78     exit 1
79 fi

81 AWK="/usr/xpg4/bin/awk"
82 SED="/usr/bin/sed"
83 LDAPCLIENT="/usr/bin/ldapsearch"

85 login=$(/usr/bin/id -un)

87 #
88 # Try and determine where SUNWonbld is installed.  In order of
89 # preference, look in:
90 #
91 # 1. $(whence $0), on the assumption that you want the version
92 #    of SUNWonbld that best matches the hgsetup script you invoked
93 #
94 # 2. /opt/onbld, because local is generally better
95 #
96 # 3. /ws/onnv-tools/onbld, it's nfs and it might be slow, but it
97 #    should resolve from most places on-SWAN
98 #
99 paths=$(dirname $(dirname $(whence $0))) /opt/onbld /ws/onnv-tools/onbld"
100 cdmbin="lib/python/onbld/hgext/cdm.py"
101 stylefile="etc/hgstyle"

103 for dir in $paths; do
104     if [[ -f "$dir/$cdmbin" && -z "$cdm_path" ]]; then
105         cdm_path="$dir/$cdmbin"
106     fi

108     if [[ -f "$dir/$stylefile" && -z "$style_path" ]]; then
109         style_path="$dir/$stylefile"
110     fi

112     if [[ -n "$cdm_path" && -n "$style_path" ]]; then
113         break
114     fi
115 done

117 if [[ -n $proxy ]]; then
118     proxyConfig="[http_proxy]"
119 host=$proxy
120 "
```

new/usr/src/tools/scripts/hgsetup.sh

2

```
121 fi

123 if [[ -z $email ]]; then
124     my_id=$(id -un)
125     my_hostname=$(hostname)
126     possible_fqhns=$(getent hosts $my_hostname | cut -f 2-)
127     my_fqhn='for i in $possible_fqhns; do case $i in *.*) echo $i; break;; e
125     my_checkhostname=$(check-hostname)
126     my_fqhn=${my_checkhostname##* }
128     email="$my_id@$my_fqhn"
129     echo "No e-mail address provided, defaulting to $email"
130 fi

132 if [[ -z "$name" ]]; then
133     name=${name:=$(getent passwd $login | awk -F: '{print $5}')}
134 fi
135 username="$name <$email>"

137 echo "Configured the following:"
138 if [[ -n $proxy ]]; then
139     echo " proxy: $proxy"
140 fi
141 echo " email: $email"
142 echo " username: $name"
143 echo " style: $style_path"
144 echo " cadmium: $cdm_path"

146 if [[ -z "$cdm_path" ]]; then
147     echo "Warning: you will need to edit your .hgrc file\n" \
148         "to specify a path for cadmium."
149 fi

151 if [[ -n $merge_path ]]; then
152     echo " merge: $merge_path"
153 fi

155 cat <<EOF >>$HGRC
156 $proxyConfig[extensions]
157 hgext.cdm=$cdm_path

159 [email]
160 from=$email

162 [paths]
163 onnv-gate=ssh://anon@hg.opensolaris.org//hg/onnv/onnv-gate
164 illumos-gate=ssh://anonhg@hg.illumos.org/illumos-gate

166 [merge-tools]
167 filemerge.gui=True
168 filemerge.args=-a \ $base \ $local \ $other \ $output
169 filemerge.priority=1
170 filemerge.premerge=False

172 meld.gui=True
173 meld.priority=0
174 meld.premerge=False

176 gpyfm.gui=True
177 gpyfm.priority=0
178 gpyfm.premerge=False

180 [ui]
181 username=$username
182 style=$style_path
183 EOF
```

new/usr/src/tools/scripts/hgsetup.sh

3

```
185 if [[ -n $merge_path ]]; then
186     echo "merge=$merge_path" >> $HGRC
187 fi
189 echo "Please check $HGRC and verify everything looks correct"
```

```

*****
30091 Mon Sep 22 12:11:31 2014
new/usr/src/tools/scripts/validate_pkg.py
5166 sendmail package should be replaceable
*****
1 #!/usr/bin/python2.6
2 #
3 # CDDL HEADER START
4 #
5 # The contents of this file are subject to the terms of the
6 # Common Development and Distribution License (the "License").
7 # You may not use this file except in compliance with the License.
8 #
9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
10 # or http://www.opensolaris.org/os/licensing.
11 # See the License for the specific language governing permissions
12 # and limitations under the License.
13 #
14 # When distributing Covered Code, include this CDDL HEADER in each
15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 # If applicable, add the following below this CDDL HEADER, with the
17 # fields enclosed by brackets "[]" replaced with your own identifying
18 # information: Portions Copyright [yyyy] [name of copyright owner]
19 #
20 # CDDL HEADER END
21 #
22 #
23 #
24 # Copyright 2010 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 #
28 #
29 # Compare the content generated by a build to a set of manifests
30 # describing how that content is to be delivered.
31 #
32 #
33 #
34 import getopt
35 import os
36 import stat
37 import sys
38 #
39 from pkg import actions
40 from pkg import manifest
41 #
42 #
43 # Dictionary used to map action names to output format. Each entry is
44 # indexed by action name, and consists of a list of tuples that map
45 # FileInfo class members to output labels.
46 #
47 #
48 OUTPUTMAP = {
49     "dir": [
50         ("group", "group="),
51         ("mode", "mode="),
52         ("owner", "owner="),
53         ("path", "path=")
54     ],
55     "file": [
56         ("hash", ""),
57         ("group", "group="),
58         ("mode", "mode="),
59         ("owner", "owner="),
60         ("path", "path=")
61     ],

```

```

62     "link": [
63         ("mediator", "mediator="),
64 #endif /* ! codereview */
65         ("path", "path="),
66         ("target", "target=")
67     ],
68     "hardlink": [
69         ("path", "path="),
70         ("hardkey", "target=")
71     ],
72 }
73 #
74 # Mode checks used to validate safe file and directory permissions
75 ALLMODECHECKS = frozenset(("m", "w", "s", "o"))
76 DEFAULTMODECHECKS = frozenset(("m", "w", "o"))
77 #
78 class FileInfo(object):
79     """Base class to represent a file.
80
81     Subclassed according to whether the file represents an actual filesystem
82     object (RealFileInfo) or an IPS manifest action (ActionInfo).
83     """
84
85     def __init__(self):
86         self.path = None
87         self.isdir = False
88         self.target = None
89         self.owner = None
90         self.group = None
91         self.mode = None
92         self.hardkey = None
93         self.hardpaths = set()
94         self.editable = False
95
96     def name(self):
97         """Return the IPS action name of a FileInfo object.
98         """
99         if self.isdir:
100             return "dir"
101
102         if self.target:
103             return "link"
104
105         if self.hardkey:
106             return "hardlink"
107
108         return "file"
109
110     def checkmodes(self, modechecks):
111         """Check for and report on unsafe permissions.
112
113         Returns a potentially empty list of warning strings.
114         """
115         w = []
116
117         t = self.name()
118         if t in ("link", "hardlink"):
119             return w
120         m = int(self.mode, 8)
121         o = self.owner
122         p = self.path
123
124         if "s" in modechecks and t == "file":
125             if m & (stat.S_ISUID | stat.S_ISGID):
126                 if m & (stat.S_IRGRP | stat.S_IROTH):
127                     w.extend(["%s: 0%o: setuid/setgid file should not be " \

```

```

128         "readable by group or other" % (p, m)])
130     if "o" in modechecks and o != "root" and ((m & stat.S_ISUID) == 0):
131         mu = (m & stat.S_IRWXU) >> 6
132         mg = (m & stat.S_IRWXG) >> 3
133         mo = m & stat.S_IRWXO
134         e = self.editable
136
137         if (((mu & 02) == 0 and (mo & mg & 04) == 04) or
138             (t == "file" and mo & 01 == 1) or
139             (mg, mo) == (mu, mu) or
140             ((t == "file" and not e or t == "dir" and o == "bin") and
141              (mg & 05 == mo & 05)) or
142             (t == "file" and o == "bin" and mu & 01 == 01) or
143             (m & 0105 != 0 and p.startswith("etc/security/dev/"))):
144             w.extend(["%s: owner \"%s\" may be safely \" \
145                    \"changed to \"root\"" % (p, o)])
146
147     if "w" in modechecks and t == "file" and o != "root":
148         uwx = stat.S_IWUSR | stat.S_IXUSR
149         if m & uwx == uwx:
150             w.extend(["%s: non-root-owned executable should not \" \
151                    \"also be writable by owner." % p])
152
153     if ("m" in modechecks and
154         m & (stat.S_IWGRP | stat.S_IWOTH) != 0 and
155         m & stat.S_ISVTX == 0):
156         w.extend(["%s: 0%o: should not be writable by group or other" %
157                (p, m)])
158
159     return w
160
161 def __ne__(self, other):
162     """Compare two FileInfo objects.
163
164     Note this is the "not equal" comparison, so a return value of False
165     indicates that the objects are functionally equivalent.
166     """
167     #
168     # Map the objects such that the lhs is always the ActionInfo,
169     # and the rhs is always the RealFileInfo.
170     #
171     # It's only really important that the rhs not be an
172     # ActionInfo; if we're comparing FileInfo the RealFileInfo, it
173     # won't actually matter what we choose.
174     #
175     if isinstance(self, ActionInfo):
176         lhs = self
177         rhs = other
178     else:
179         lhs = other
180         rhs = self
181
182     #
183     # Because the manifest may legitimately translate a relative
184     # path from the proto area into a different path on the installed
185     # system, we don't compare paths here. We only expect this comparison
186     # to be invoked on items with identical relative paths in
187     # first place.
188     #
189
190     #
191     # All comparisons depend on type. For symlink and directory, they
192     # must be the same. For file and hardlink, see below.
193     #
194     typelhs = lhs.name()

```

```

194     typerhs = rhs.name()
195     if typelhs in ("link", "dir"):
196         if typerhs != typerhs:
197             return True
198
199     #
200     # For symlinks, all that's left is the link target.
201     # For mediated symlinks targets can differ.
202     #endif /* !codereview */
203     #
204     if typelhs == "link":
205         return (lhs.mediator is None) and (lhs.target != rhs.target)
206     return lhs.target != rhs.target
207
208     #
209     # For a directory, it's important that both be directories,
210     # the modes be identical, and the paths are identical. We already
211     # checked all but the modes above.
212     #
213     # If both objects are files, then we're in the same boat.
214     #
215     if typelhs == "dir" or (typelhs == "file" and typerhs == "file"):
216         return lhs.mode != rhs.mode
217
218     #
219     # For files or hardlinks:
220     #
221     # Since the key space is different (inodes for real files and
222     # actual link targets for hard links), and since the proto area will
223     # identify all N occurrences as hardlinks, but the manifests as one
224     # file and N-1 hardlinks, we have to compare files to hardlinks.
225     #
226     #
227     # If they're both hardlinks, we just make sure that
228     # the same target path appears in both sets of
229     # possible targets.
230     #
231     if typelhs == "hardlink" and typerhs == "hardlink":
232         return len(lhs.hardpaths.intersection(rhs.hardpaths)) == 0
233
234     #
235     # Otherwise, we have a mix of file and hardlink, so we
236     # need to make sure that the file path appears in the
237     # set of possible target paths for the hardlink.
238     #
239     # We already know that the ActionInfo, if present, is the lhs
240     # operator. So it's the rhs operator that's guaranteed to
241     # have a set of hardpaths.
242     #
243     return lhs.path not in rhs.hardpaths
244
245 def __str__(self):
246     """Return an action-style representation of a FileInfo object.
247
248     We don't currently quote items with embedded spaces. If we
249     ever decide to parse this output, we'll want to revisit that.
250     """
251     name = self.name()
252     out = name
253
254     for member, label in OUTPUTMAP[name]:
255         out += " " + label + str(getattr(self, member))
256
257     return out

```

```

259 def protostr(self):
260     """Return a protolist-style representation of a FileInfo object.
261     """
262     target = "-"
263     major = "-"
264     minor = "-"
265
266     mode = self.mode
267     owner = self.owner
268     group = self.group
269
270     name = self.name()
271     if name == "dir":
272         ftype = "d"
273     elif name in ("file", "hardlink"):
274         ftype = "f"
275     elif name == "link":
276         ftype = "s"
277     target = self.target
278     mode = "777"
279     owner = "root"
280     group = "other"
281
282     out = "%c %-30s %-20s %4s %-5s %-5s %6d %2ld - -" % \
283         (ftype, self.path, target, mode, owner, group, 0, 1)
284
285     return out
286
288 class ActionInfo(FileInfo):
289     """Object to track information about manifest actions.
290
291     This currently understands file, link, dir, and hardlink actions.
292     """
293
294     def __init__(self, action):
295         FileInfo.__init__(self)
296         #
297         # Currently, all actions that we support have a "path"
298         # attribute. If that changes, then we'll need to
299         # catch a KeyError from this assignment.
300         #
301         self.path = action.attrs["path"]
302
303     if action.name == "file":
304         self.owner = action.attrs["owner"]
305         self.group = action.attrs["group"]
306         self.mode = action.attrs["mode"]
307         self.hash = action.hash
308         if "preserve" in action.attrs:
309             self.editable = True
310     elif action.name == "link":
311         target = action.attrs["target"]
312         self.target = os.path.normpath(target)
313         if "mediator" in action.attrs:
314             self.mediator = action.attrs["mediator"]
315         else:
316             self.mediator = None
317     #endif /* ! codereview */
318     elif action.name == "dir":
319         self.owner = action.attrs["owner"]
320         self.group = action.attrs["group"]
321         self.mode = action.attrs["mode"]
322         self.isdir = True
323     elif action.name == "hardlink":
324         target = os.path.normpath(action.get_target_path())

```

```

325         self.hardkey = target
326         self.hardpaths.add(target)
327
328     @staticmethod
329     def supported(action):
330         """Indicates whether the specified IPS action time is
331         correctly handled by the ActionInfo constructor.
332         """
333         return action in frozenset(("file", "dir", "link", "hardlink"))
334
336 class UnsupportedFileFormatError(Exception):
337     """This means that the stat.S_IFMT returned something we don't
338     support, ie a pipe or socket. If it's appropriate for such an
339     object to be in the proto area, then the RealFileInfo constructor
340     will need to evolve to support it, or it will need to be in the
341     exception list.
342     """
343     def __init__(self, path, mode):
344         Exception.__init__(self)
345         self.path = path
346         self.mode = mode
347
348     def __str__(self):
349         return '%s: unsupported S_IFMT %07o' % (self.path, self.mode)
350
352 class RealFileInfo(FileInfo):
353     """Object to track important-to-packaging file information.
354
355     This currently handles regular files, directories, and symbolic links.
356
357     For multiple RealFileInfo objects with identical hardkeys, there
358     is no way to determine which of the hard links should be
359     delivered as a file, and which as hardlinks.
360     """
361
362     def __init__(self, root=None, path=None):
363         FileInfo.__init__(self)
364         self.path = path
365         path = os.path.join(root, path)
366         lstat = os.lstat(path)
367         mode = lstat.st_mode
368
369         #
370         # Per stat.py, these cases are mutually exclusive.
371         #
372         if stat.S_ISREG(mode):
373             self.hash = self.path
374         elif stat.S_ISDIR(mode):
375             self.isdir = True
376         elif stat.S_ISLNK(mode):
377             self.target = os.path.normpath(os.readlink(path))
378             self.mediator = None
379     #endif /* ! codereview */
380     else:
381         raise UnsupportedFileFormatError(path, mode)
382
383     if not stat.S_ISLNK(mode):
384         self.mode = "%04o" % stat.S_IMODE(mode)
385         #
386         # Instead of reading the group and owner from the proto area after
387         # a non-root build, just drop in dummy values. Since we don't
388         # compare them anywhere, this should allow at least marginally
389         # useful comparisons of protolist-style output.
390         #

```

```

391         self.owner = "owner"
392         self.group = "group"
393
394     #
395     # refcount > 1 indicates a hard link
396     #
397     if lstat.st_nlink > 1:
398         #
399         # This could get ugly if multiple proto areas reside
400         # on different filesystems.
401         #
402         self.hardkey = lstat.st_ino
403
404 class DirectoryTree(dict):
405     """Meant to be subclassed according to population method.
406     """
407     def __init__(self, name):
408         dict.__init__(self)
409         self.name = name
410
411     def compare(self, other):
412         """Compare two different sets of FileInfo objects.
413         """
414         keys1 = frozenset(self.keys())
415         keys2 = frozenset(other.keys())
416
417         common = keys1.intersection(keys2)
418         onlykeys1 = keys1.difference(common)
419         onlykeys2 = keys2.difference(common)
420
421         if onlykeys1:
422             print "Entries present in %s but not %s:" % \
423                   (self.name, other.name)
424             for path in sorted(onlykeys1):
425                 print("\t%s" % str(self[path]))
426             print ""
427
428         if onlykeys2:
429             print "Entries present in %s but not %s:" % \
430                   (other.name, self.name)
431             for path in sorted(onlykeys2):
432                 print("\t%s" % str(other[path]))
433             print ""
434
435         nodifferences = True
436         for path in sorted(common):
437             if self[path] != other[path]:
438                 if nodifferences:
439                     nodifferences = False
440                     print "Entries that differ between %s and %s:" % \
441                           (self.name, other.name)
442                     print("%14s %s" % (self.name, self[path]))
443                     print("%14s %s" % (other.name, other[path]))
444         if not nodifferences:
445             print ""
446
447 class BadProtolistFormat(Exception):
448     """This means that the user supplied a file via -l, but at least
449     one line from that file doesn't have the right number of fields to
450     parse as protolist output.
451     """
452     def __str__(self):
453         return 'bad proto list entry: "%s"' % Exception.__str__(self)

```

```

458 class ProtoTree(DirectoryTree):
459     """Describes one or more proto directories as a dictionary of
460     RealFileInfo objects, indexed by relative path.
461     """
462
463     def adddir(self, proto, exceptions):
464         """Extends the ProtoTree dictionary with RealFileInfo
465         objects describing the proto dir, indexed by relative
466         path.
467         """
468         newentries = {}
469
470         pdir = os.path.normpath(proto)
471         strippdir = lambda r, n: os.path.join(r, n)[len(pdir)+1:]
472         for root, dirs, files in os.walk(pdir):
473             for name in dirs + files:
474                 path = strippdir(root, name)
475                 if path not in exceptions:
476                     try:
477                         newentries[path] = RealFileInfo(pdir, path)
478                     except OSError, e:
479                         sys.stderr.write("Warning: unable to stat %s: %s\n" %
480                                           (path, e))
481                         continue
482                 else:
483                     exceptions.remove(path)
484                     if name in dirs:
485                         dirs.remove(name)
486
487         #
488         # Find the sets of paths in this proto dir that are hardlinks
489         # to the same inode.
490         #
491         # It seems wasteful to store this in each FileInfo, but we
492         # otherwise need a linking mechanism. With this information
493         # here, FileInfo object comparison can be self contained.
494         #
495         # We limit this aggregation to a single proto dir, as
496         # represented by newentries. That means we don't need to care
497         # about proto dirs on separate filesystems, or about hardlinks
498         # that cross proto dir boundaries.
499         #
500         hk2path = {}
501         for path, fileinfo in newentries.iteritems():
502             if fileinfo.hardkey:
503                 hk2path.setdefault(fileinfo.hardkey, set()).add(path)
504         for fileinfo in newentries.itervalues():
505             if fileinfo.hardkey:
506                 fileinfo.hardpaths.update(hk2path[fileinfo.hardkey])
507         self.update(newentries)
508
509     def addprotolist(self, protolist, exceptions):
510         """Read in the specified file, assumed to be the
511         output of protolist.
512
513         This has been tested minimally, and is potentially useful for
514         comparing across the transition period, but should ultimately
515         go away.
516         """
517
518         try:
519             plist = open(protolist)
520         except IOError, exc:
521             raise IOError("cannot open proto list: %s" % str(exc))

```

```

523     newentries = {}
524
525     for pline in plist:
526         pline = pline.split()
527         #
528         # Use a FileInfo() object instead of a RealFileInfo()
529         # object because we want to avoid the RealFileInfo
530         # constructor, because there's nothing to actually stat().
531         #
532         fileinfo = FileInfo()
533         try:
534             if pline[1] in exceptions:
535                 exceptions.remove(pline[1])
536                 continue
537             if pline[0] == "d":
538                 fileinfo.isdir = True
539             fileinfo.path = pline[1]
540             if pline[2] != "-":
541                 fileinfo.target = os.path.normpath(pline[2])
542             fileinfo.mode = int("%0s" % pline[3])
543             fileinfo.owner = pline[4]
544             fileinfo.group = pline[5]
545             if pline[6] != "0":
546                 fileinfo.hardkey = pline[6]
547             newentries[pline[1]] = fileinfo
548         except IndexError:
549             raise BadProtolistFormat(pline)
550
551     plist.close()
552     hk2path = {}
553     for path, fileinfo in newentries.iteritems():
554         if fileinfo.hardkey:
555             hk2path.setdefault(fileinfo.hardkey, set()).add(path)
556     for fileinfo in newentries.itervalues():
557         if fileinfo.hardkey:
558             fileinfo.hardpaths.update(hk2path[fileinfo.hardkey])
559     self.update(newentries)
560
561 class ManifestParsingError(Exception):
562     """This means that the Manifest.set_content() raised an
563     ActionError. We raise this, instead, to tell us which manifest
564     could not be parsed, rather than what action error we hit.
565     """
566     def __init__(self, mfile, error):
567         Exception.__init__(self)
568         self.mfile = mfile
569         self.error = error
570
571     def __str__(self):
572         return "unable to parse manifest %s: %s" % (self.mfile, self.error)
573
574 class ManifestTree(DirectoryTree):
575     """Describes one or more directories containing arbitrarily
576     many manifests as a dictionary of ActionInfo objects, indexed
577     by the relative path of the data source within the proto area.
578     That path may or may not be the same as the path attribute of the
579     given action.
580     """
581     def addmanifest(self, root, mfile, arch, modechecks, exceptions):
582         """Treats the specified input file as a pkg(5) package
583         manifest, and extends the ManifestTree dictionary with entries
584         for the actions therein.
585         """

```

```

589     mfest = manifest.Manifest()
590     try:
591         mfest.set_content(open(os.path.join(root, mfile)).read())
592     except IOError, exc:
593         raise IOError("cannot read manifest: %s" % str(exc))
594     except actions.ActionError, exc:
595         raise ManifestParsingError(mfile, str(exc))
596
597     #
598     # Make sure the manifest is applicable to the user-specified
599     # architecture. Assumption: if variant.arch is not an
600     # attribute of the manifest, then the package should be
601     # installed on all architectures.
602     #
603     if arch not in mfest.attributes.get("variant.arch", (arch,)):
604         return
605
606     modewarnings = set()
607     for action in mfest.gen_actions():
608         if "path" not in action.attrs or \
609             not ActionInfo.supported(action.name):
610             continue
611
612     #
613     # The dir action is currently fully specified, in that it
614     # lists owner, group, and mode attributes. If that
615     # changes in pkg(5) code, we'll need to revisit either this
616     # code or the ActionInfo() constructor. It's possible
617     # that the pkg(5) system could be extended to provide a
618     # mechanism for specifying directory permissions outside
619     # of the individual manifests that deliver files into
620     # those directories. Doing so at time of manifest
621     # processing would mean that validate_pkg continues to work,
622     # but doing so at time of publication would require updates.
623     #
624
625     #
626     # See pkgsend(1) for the use of NOHASH for objects with
627     # datastreams. Currently, that means "files," but this
628     # should work for any other such actions.
629     #
630     if getattr(action, "hash", "NOHASH") != "NOHASH":
631         path = action.hash
632     else:
633         path = action.attrs["path"]
634
635     #
636     # This is the wrong tool in which to enforce consistency
637     # on a set of manifests. So instead of comparing the
638     # different actions with the same "path" attribute, we
639     # use the first one.
640     #
641     if path in self:
642         continue
643
644     #
645     # As with the manifest itself, if an action has specified
646     # variant.arch, we look for the target architecture
647     # therein.
648     #
649     var = None
650
651     #
652     # The name of this method changed in pkg(5) build 150, we need to
653     # work with both sets.
654     #

```

```

655     if hasattr(action, 'get_variants'):
656         var = action.get_variants()
657     else:
658         var = action.get_variant_template()
659     if "variant.arch" in var and arch not in var["variant.arch"]:
660         return

662     self[path] = ActionInfo(action)
663     if modechecks is not None and path not in exceptions:
664         modewarnings.update(self[path].checkmodes(modechecks))

666     if len(modewarnings) > 0:
667         print "warning: unsafe permissions in %s" % mfile
668         for w in sorted(modewarnings):
669             print w
670         print ""

672 def adddir(self, mdir, arch, modechecks, exceptions):
673     """Walks the specified directory looking for pkg(5) manifests.
674     """
675     for mfile in os.listdir(mdir):
676         if (mfile.endswith(".mog") and
677             stat.S_ISREG(os.lstat(os.path.join(mdir, mfile)).st_mode)):
678             try:
679                 self.addmanifest(mdir, mfile, arch, modechecks, exceptions)
680             except IOError, exc:
681                 sys.stderr.write("warning: %s\n" % str(exc))

683 def resolvehardlinks(self):
684     """Populates mode, group, and owner for resolved (ie link target
685     is present in the manifest tree) hard links.
686     """
687     for info in self.values():
688         if info.name() == "hardlink":
689             tgt = info.hardkey
690             if tgt in self:
691                 tgtinfo = self[tgt]
692                 info.owner = tgtinfo.owner
693                 info.group = tgtinfo.group
694                 info.mode = tgtinfo.mode

696 class ExceptionList(set):
697     """Keep track of an exception list as a set of paths to be excluded
698     from any other lists we build.
699     """

701     def __init__(self, files, arch):
702         set.__init__(self)
703         for fname in files:
704             try:
705                 self.readexceptionfile(fname, arch)
706             except IOError, exc:
707                 sys.stderr.write("warning: cannot read exception file: %s\n" %
708                                 str(exc))

710     def readexceptionfile(self, efile, arch):
711         """Build a list of all pathnames from the specified file that
712         either apply to all architectures (ie which have no trailing
713         architecture tokens), or to the specified architecture (ie
714         which have the value of the arch arg as a trailing
715         architecture token.)
716         """

718         excfile = open(efile)

720         for exc in excfile:

```

```

721         exc = exc.split()
722         if len(exc) and exc[0][0] != "#":
723             if arch in (exc[1:] or arch):
724                 self.add(os.path.normpath(exc[0]))

726         excfile.close()

729 USAGE = """%s [-v] -a arch [-e exceptionfile]... [-L|-M [-X check]...] input_1 [
731 where input_1 and input_2 may specify proto lists, proto areas,
732 or manifest directories. For proto lists, use one or more
734     -l file
736 arguments. For proto areas, use one or more
738     -p dir
740 arguments. For manifest directories, use one or more
742     -m dir
744 arguments.
746 If -L or -M is specified, then only one input source is allowed, and
747 it should be one or more manifest directories. These two options are
748 mutually exclusive.
750 The -L option is used to generate a proto list to stdout.
752 The -M option is used to check for safe file and directory modes.
753 By default, this causes all mode checks to be performed. Individual
754 mode checks may be turned off using "-X check," where "check" comes
755 from the following set of checks:
757     m check for group or other write permissions
758     w check for user write permissions on files and directories
759     not owned by root
760     s check for group/other read permission on executable files
761     that have setuid/setgid bit(s)
762     o check for files that could be safely owned by root
763     """ % sys.argv[0]

766 def usage(msg=None):
767     """Try to give the user useful information when they don't get the
768     command syntax right.
769     """
770     if msg:
771         sys.stderr.write("%s: %s\n" % (sys.argv[0], msg))
772     sys.stderr.write(USAGE)
773     sys.exit(2)

776 def main(argv):
777     """Compares two out of three possible data sources: a proto list, a
778     set of proto areas, and a set of manifests.
779     """
780     try:
781         opts, args = getopt.getopt(argv, 'a:e:Ll:Mm:p:vX:')
782     except getopt.GetoptError, exc:
783         usage(str(exc))

785     if args:
786         usage()

```

```

788 arch = None
789 exceptionlists = []
790 listonly = False
791 manifestdirs = []
792 manifesttree = ManifestTree("manifests")
793 protodirs = []
794 prototree = ProtoTree("proto area")
795 protolists = []
796 protolist = ProtoTree("proto list")
797 modechecks = set()
798 togglemodechecks = set()
799 trees = []
800 comparing = set()
801 verbose = False

803 for opt, arg in opts:
804     if opt == "-a":
805         if arch:
806             usage("may only specify one architecture")
807         else:
808             arch = arg
809     elif opt == "-e":
810         exceptionlists.append(arg)
811     elif opt == "-L":
812         listonly = True
813     elif opt == "-l":
814         comparing.add("protolist")
815         protolists.append(os.path.normpath(arg))
816     elif opt == "-M":
817         modechecks.update(DEFAULTMODECHECKS)
818     elif opt == "-m":
819         comparing.add("manifests")
820         manifestdirs.append(os.path.normpath(arg))
821     elif opt == "-p":
822         comparing.add("proto area")
823         protodirs.append(os.path.normpath(arg))
824     elif opt == "-v":
825         verbose = True
826     elif opt == "-X":
827         togglemodechecks.add(arg)

829 if listonly or len(modechecks) > 0:
830     if len(comparing) != 1 or "manifests" not in comparing:
831         usage("-L and -M require one or more -m args, and no -l or -p")
832     if listonly and len(modechecks) > 0:
833         usage("-L and -M are mutually exclusive")
834 elif len(comparing) != 2:
835     usage("must specify exactly two of -l, -m, and -p")

837 if len(togglemodechecks) > 0 and len(modechecks) == 0:
838     usage("-X requires -M")

840 for s in togglemodechecks:
841     if s not in ALLMODECHECKS:
842         usage("unknown mode check %s" % s)
843     modechecks.symmetric_difference_update((s))

845 if len(modechecks) == 0:
846     modechecks = None

848 if not arch:
849     usage("must specify architecture")

851 exceptions = ExceptionList(exceptionlists, arch)
852 originalexceptions = exceptions.copy()

```

```

854 if len(manifestdirs) > 0:
855     for mdir in manifestdirs:
856         manifesttree.add_dir(mdir, arch, modechecks, exceptions)
857     if listonly:
858         manifesttree.resolvehardlinks()
859         for info in manifesttree.values():
860             print "%s" % info.protostr()
861         sys.exit(0)
862     if modechecks is not None:
863         sys.exit(0)
864     trees.append(manifesttree)

866 if len(protodirs) > 0:
867     for pdir in protodirs:
868         prototree.add_dir(pdir, exceptions)
869     trees.append(prototree)

871 if len(protolists) > 0:
872     for plist in protolists:
873         try:
874             protolist.addprotolist(plist, exceptions)
875         except IOError, exc:
876             sys.stderr.write("warning: %s\n" % str(exc))
877     trees.append(protolist)

879 if verbose and exceptions:
880     print "Entries present in exception list but missing from proto area:"
881     for exc in sorted(exceptions):
882         print "\t%s" % exc
883     print ""

885 usedexceptions = originalexceptions.difference(exceptions)
886 harmfulexceptions = usedexceptions.intersection(manifesttree)
887 if harmfulexceptions:
888     print "Entries present in exception list but also in manifests:"
889     for exc in sorted(harmfulexceptions):
890         print "\t%s" % exc
891     del manifesttree[exc]
892     print ""

894 trees[0].compare(trees[1])

896 if __name__ == '__main__':
897     try:
898         main(sys.argv[1:])
899     except KeyboardInterrupt:
900         sys.exit(1)
901     except IOError:
902         sys.exit(1)

```