

new/usr/src/Makefile.lint

1

```

*****
8719 Fri Sep 26 15:51:57 2014
new/usr/src/Makefile.lint
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 # Copyright (c) 2003, 2010, Oracle and/or its affiliates. All rights reserved.
22 # Copyright (c) 2012 by Delphix. All rights reserved.
23 #
24 #
25 # include global definitions
26 include Makefile.master
27 #
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/audiocpl \
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/captainfo \
57     cmd/cat \
58     cmd/cdrw \

```

new/usr/src/Makefile.lint

2

```

59     cmd/cfgadm \
60     cmd/ckeeq \
61     cmd/checknr \
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/csplitt \
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/dumps \
121    cmd/echo \
122    cmd/eject \
123    cmd/emul64ioct1 \
124    cmd/env \

```

new/usr/src/Makefile.lint

```

125 cmd/expand \
126 cmd/fcinfo \
127 cmd/fdetach \
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 \

```

3

new/usr/src/Makefile.lint

```

191 cmd/logger \
192 cmd/login \
193 cmd/logins \
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/ppgss \
242 cmd/praudit \
243 cmd/prctl \
244 cmd/priocntl \
245 cmd/profiles \
246 cmd/prstat \
247 cmd/prtconf \
248 cmd/prtdiag \
249 cmd/prtvtoc \
250 cmd/ps \
251 cmd/psradm \
252 cmd/psrinfo \
253 cmd/psrset \
254 cmd/ptools \
255 cmd/pwck \
256 cmd/pwconv \

```

4

```

257 cmd/ramdiskadm \
258 cmd/raidctl \
259 cmd/rcap \
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/smservd \
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/zoneadmd \
334 cmd/zonecfg \
335 cmd/zonename \
336 cmd/zpool \
337 cmd/zlook \
338 cmd/zttest \
339 lib/abi \
340 lib/auditd_plugins \
341 lib/libbe \
342 lib/pylibbe \
343 lib/brand/snl \
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/libcfsadm \
358 lib/libcmdutils \
359 lib/libcommutil \
360 lib/libcontract \
361 lib/libcryptoutil \
362 lib/libctf \
363 lib/libdevice \
364 lib/libdevid \
365 lib/libdevinfo \
366 lib/libdhcpagent \
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/libipmp \
393 lib/libipp \
394 lib/libipsecutil \
395 lib/libiscsit \
396 lib/libkmf \
397 lib/libkstat \
398 lib/liblgrp \
399 lib/liblm \
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/libsmvfs \
435 lib/libsmbios \
436 lib/libsmmedia \
437 lib/libsrpt \
438 lib/libstmf \
439 lib/libsun_ima \
440 lib/libsysevent \
441 lib/libthread \
442 lib/libtsnet \
443 lib/libtsol \
444 lib/libumem \
445 lib/libunistat \
446 lib/libuuid \
447 lib/libuutil \
448 lib/libvrrpadm \
449 lib/libwanboot \
450 lib/libwanbootutil \
451 lib/libxnet \
452 lib/libzfs \
453 lib/libzfs_jni \
454 lib/libzonecfg \

```

```

455 lib/libzoneinfo \
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/ladm \
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/libv12n \
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 Fri Sep 26 15:51:58 2014
new/usr/src/cmd/Makefile
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 # 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>
29 include ../Makefile.master
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 #
47 FIRST_SUBDIRS= \
48 isaexec \
49 platexec
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 captainfo \
84 cat \
85 cdrw \
86 cfgadm \
87 checkeg \
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 \

```

new/usr/src/cmd/Makefile

```

125      dircmp      \
126      dirname    \
127      dis        \
128      diskmgtd   \
129      dispadmin  \
130      dladm      \
131      dlstat     \
132      dmesg      \
133      dodatadm   \
134      dtrace     \
135      du         \
136      dumpadm    \
137      dumpps     \
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       \

```

3

new/usr/src/cmd/Makefile

```

191      halt      \
192      head      \
193      hostid    \
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      keyserv  \
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  \

```

4

```

257 man \
258 mandoc \
259 mdb \
260 mesg \
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 sbios \
377 smbstrv \
378 smsrverd \
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     volrmount   \
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     prtdscp      \
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     mkpwdict    \
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 vscan \
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 zoneadm \
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 Fri Sep 26 15:51:58 2014
new/usr/src/cmd/fm/notify/smtp-notify/common/smtp-notify.xml
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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

8 The contents of this file are subject to the terms of the
9 Common Development and Distribution License (the "License").
10 You may not use this file except in compliance with the License.

12 You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
13 or http://www.opensolaris.org/os/licensing.
14 See the License for the specific language governing permissions
15 and limitations under the License.

17 When distributing Covered Code, include this CDDL HEADER in each
18 file and include the License file at usr/src/OPENSOLARIS.LICENSE.
19 If applicable, add the following below this CDDL HEADER, with the
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:fmd'>

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'
```

```
new/usr/src/cmd/fm/notify/smtp-notify/common/smtp-notify.xml 2
59 restart_on='none'
60 type='service'>
61 <service_fmri value='svc:/milestone/multi-user:default' />
62 <service_fmri value='svc:/system/fmd:default' />
63 <service_fmri value='svc:/network/sendmail-client:default' />
64 </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>
```

```
*****
```

```
1945 Fri Sep 26 15:51:59 2014
new/usr/src/cmd/mailwrapper/Makefile
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
```

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
14 # Copyright 2014 Alexander Pyhalov
15 #
16 #
17 #
18 LIBPROG=      mailwrapper
19 #
20 PROG=         $(LIBPROG)
21 #
22 include ../Makefile.cmd
23 #
24 MWOBJS=       fgetln.o fparseln.o mailwrapper.o
25 #
26 CLOBBERFILES= $(PROG)
27 CLEANFILES=   $(MWOBJS)
28 #
29 SRCS=         $(MWOBJS:%.o=%.c)
30 #
31 CPROG=        mailwrapper
32 CPROGSRC=     $(CPROG:%=_%.c)
33 #
34 CFS=          mailer.conf
35 #
36 ROOTETCFILES=$(CFS:%=$(ROOTETC)/%)
37 #
38 $(ROOTETCFILES) :=      FILEMODE = 0644
39 #
40 # installed modules
41 ROOTLIBPROG=   $(LIBPROG:%=$(ROOTLIB)/%)
42 #
43 ROOTSYMLINKS=  $(ROOTBIN)/mailq \
44                $(ROOTLIB)/sendmail \
45                $(ROOTUSRSBIN)/newaliases \
46                $(ROOTUSRSBIN)/sendmail
47 #
48 CPPFLAGS =    -I. $(CPPFLAGS.master)
49 #
50 LINTFLAGS     += -erroff=E_FUNC_RET_ALWAYS_IGNORE2
51 #
52 # conditional assignments
53 #
54 all:=         TARGET= all
55 install:=    TARGET= install
56 clean:=      TARGET= clean
57 clobber:=    TARGET= clobber
58 lint:=       TARGET= lint
```

```
60 # install rules
61 $(ROOTINC)/% : %
62     $(INS.file)
63 #
64 .KEEP_STATE:
65 #
66 .PARALLEL: $(MWOBJS) $(OBJJS)
67 #
68 all:        $(PROG)
69 #
70 mailwrapper: $(MWOBJS)
71     $(LINK.c) -o $@ $(MWOBJS) $(LDLIBS)
72     $(POST_PROCESS)
73 #
74 install: all .WAIT $(ROOTLIBPROG) $(ROOTSYMLINKS) $(ROOTETCFILES)
75 #
76 # ROOTSYMLINKS
77 #
78 $(ROOTBIN)/mailq:
79     $(RM) $@; $(SYMLINK) ../lib/mailwrapper $@
80 #
81 $(ROOTLIB)/sendmail:
82     $(RM) $@; $(SYMLINK) mailwrapper $@
83 #
84 $(ROOTUSRSBIN)/newaliases:
85     $(RM) $@; $(SYMLINK) ../lib/mailwrapper $@
86 #
87 $(ROOTUSRSBIN)/sendmail:
88     $(RM) $@; $(SYMLINK) ../lib/mailwrapper $@
89 #
90 $(ROOTETCMAIL)/%: %
91     $(INS.file)
92 #
93 lint:
94     $(LINT.c) $(SRCS)
95 #
96 clean:
97     $(RM) $(OBJJS) $(MWOBJS) mailwrapper
98 #
99 clobber: clean
100     $(RM) $(ROOTSYMLINKS) $(ROOTLIBPROG) $(ROOTETCFILES)
101 #endif /* ! codereview */
```

```

*****
5223 Fri Sep 26 15:51:59 2014
new/usr/src/cmd/mailwrapper/THIRDPARTYLICENSE
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
1 fgetln.c is provided under the following license
2 /*-
3  * Copyright (c) 1998 The NetBSD Foundation, Inc.
4  * All rights reserved.
5  *
6  * This code is derived from software contributed to The NetBSD Foundation
7  * by Christos Zoulas.
8  *
9  * Redistribution and use in source and binary forms, with or without
10 * modification, are permitted provided that the following conditions
11 * are met:
12 * 1. Redistributions of source code must retain the above copyright
13 * notice, this list of conditions and the following disclaimer.
14 * 2. Redistributions in binary form must reproduce the above copyright
15 * notice, this list of conditions and the following disclaimer in the
16 * documentation and/or other materials provided with the distribution.
17 * 3. Neither the name of The NetBSD Foundation nor the names of its
18 * contributors may be used to endorse or promote products derived
19 * from this software without specific prior written permission.
20 *
21 * THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS
22 * ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
23 * TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
24 * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS
25 * BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
26 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
27 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
28 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
29 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
30 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
31 * POSSIBILITY OF SUCH DAMAGE.
32 */
33 fparseln.c is provided under the following license
34 /*
35  * Copyright (c) 1997 Christos Zoulas. All rights reserved.
36  *
37  * Redistribution and use in source and binary forms, with or without
38  * modification, are permitted provided that the following conditions
39  * are met:
40  * 1. Redistributions of source code must retain the above copyright
41  * notice, this list of conditions and the following disclaimer.
42  * 2. Redistributions in binary form must reproduce the above copyright
43  * notice, this list of conditions and the following disclaimer in the
44  * documentation and/or other materials provided with the distribution.
45  * 3. All advertising materials mentioning features or use of this software
46  * must display the following acknowledgement:
47  *   This product includes software developed by Christos Zoulas.
48  * 4. The name of the author may not be used to endorse or promote products
49  * derived from this software without specific prior written permission.
50  *
51  * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
52  * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
53  * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
54  * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
55  * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
56  * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
57  * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
58  * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

```

```

59 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
60 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
61 */
62 mailwrapper.c is provided under the following license
63 /*
64  * Copyright (c) 1998
65  * Perry E. Metzger. All rights reserved.
66  *
67  * Redistribution and use in source and binary forms, with or without
68  * modification, are permitted provided that the following conditions
69  * are met:
70  * 1. Redistributions of source code must retain the above copyright
71  * notice, this list of conditions and the following disclaimer.
72  * 2. Redistributions in binary form must reproduce the above copyright
73  * notice, this list of conditions and the following disclaimer in the
74  * documentation and/or other materials provided with the distribution.
75  * 3. All advertising materials mentioning features or use of this software
76  * must display the following acknowledgment:
77  *   This product includes software developed for the NetBSD Project
78  *   by Perry E. Metzger.
79  * 4. The name of the author may not be used to endorse or promote products
80  * derived from this software without specific prior written permission.
81  *
82  * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
83  * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
84  * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
85  * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
86  * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
87  * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
88  * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
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 Fri Sep 26 15:52:00 2014  
new/usr/src/cmd/mailwrapper/THIRDPARTYLICENSE.descrip  
5166 sendmail package should be replaceable  
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>  
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>  
Reviewed by: Toomas Soome <tsoome@me.com>  
*****  
1 mailwrapper and BSD compatibilty functions  
2 #endif /* ! codereview */
```

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

1

```
*****
2290 Fri Sep 26 15:52:00 2014
new/usr/src/cmd/mailwrapper/compat.h
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
```

```
1 /*
2  * Copyright (c) 1996 Peter Wemm <peter@FreeBSD.org>.
3  * All rights reserved.
4  * Copyright (c) 2002 Networks Associates Technology, Inc.
5  * All rights reserved.
6  *
7  * Portions of this software were developed for the FreeBSD Project by
8  * ThinkSec AS and NAI Labs, the Security Research Division of Network
9  * Associates, Inc. under DARPA/SPAWAR contract N66001-01-C-8035
10 * ("CBOSS"), as part of the DARPA CHATS research program.
11 *
12 * Redistribution and use in source and binary forms, with or without
13 * modification, is permitted provided that the following conditions
14 * are met:
15 * 1. Redistributions of source code must retain the above copyright
16 * notice, this list of conditions and the following disclaimer.
17 * 2. Redistributions in binary form must reproduce the above copyright
18 * notice, this list of conditions and the following disclaimer in the
19 * documentation and/or other materials provided with the distribution.
20 * 3. The name of the author may not be used to endorse or promote
21 * products derived from this software without specific prior written
22 * permission.
23 *
24 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
25 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
26 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
27 * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
28 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
29 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
30 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
31 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
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 #ifndef _COMPAT_H
39 #define _COMPAT_H
40 #include <stdio.h>

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

48 char *fparseln(FILE *, size_t *, size_t *, const char[3], int);
49 char *fgetln(FILE *, size_t *);
50 #endif /* _COMPAT_H */
51 #endif /* !codereview */
```

```

*****
2557 Fri Sep 26 15:52:00 2014
new/usr/src/cmd/mailwrapper/fgetln.c
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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.
10 *
11 * Redistribution and use in source and binary forms, with or without
12 * modification, are permitted provided that the following conditions
13 * are met:
14 * 1. Redistributions of source code must retain the above copyright
15 * notice, this list of conditions and the following disclaimer.
16 * 2. Redistributions in binary form must reproduce the above copyright
17 * notice, this list of conditions and the following disclaimer in the
18 * documentation and/or other materials provided with the distribution.
19 * 3. Neither the name of The NetBSD Foundation nor the names of its
20 * contributors may be used to endorse or promote products derived
21 * from this software without specific prior written permission.
22 *
23 * THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS
24 * ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
25 * TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
26 * PURPOSE ARE DISCLAIMED.  IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS
27 * BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
28 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
29 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
30 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
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 }
84 #endif /* ! codereview */

```

```

*****
5036 Fri Sep 26 15:52:00 2014
new/usr/src/cmd/mailwrapper/fparseln.c
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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  *
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 acknowledgement:
16 * This product includes software developed by Christos Zoulas.
17 * 4. The name of the author may not be used to endorse or promote products
18 * derived from this software without specific prior written permission.
19 *
20 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
21 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
22 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
23 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
24 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
25 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
26 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
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 /*
40  * isescaped():
41  * Return true if the character in *p that belongs to a string
42  * that starts in *sp, is escaped by the escape character esc.
43  */
44 static int
45 isescaped(const char *sp, const char *p, int esc)
46 {
47     const char    *cp;
48     size_t        ne;
49
50     /* No escape character */
51     if (esc == '\0')
52         return (1);
53
54     /* Count the number of escape characters that precede ours */
55     for (ne = 0, cp = p; --cp >= sp && *cp == esc; ne++)
56         continue;
57
58     /* Return true if odd number of escape characters */

```

```

59     return ((ne & 1) != 0);
60 }
62 /*
63  * fparseln():
64  * Read a line from a file parsing continuations ending in \
65  * and eliminating trailing newlines, or comments starting with
66  * the comment char.
67  */
68 char *
69 fparseln(FILE *fp, size_t *size, size_t *lineno, const char str[3], int flags)
70 {
71     static const char dstr[3] = { '\\', '\\', '#' };
72
73     size_t    s, len;
74     char      *buf;
75     char      *ptr, *cp;
76     int        cnt;
77     char      esc, con, nl, com;
78
79     len = 0;
80     buf = NULL;
81     cnt = 1;
82
83     if (str == NULL)
84         str = dstr;
85
86     esc = str[0];
87     con = str[1];
88     com = str[2];
89     /*
90      * XXX: it would be cool to be able to specify the newline character,
91      * but unfortunately, fgetln does not let us
92      */
93     nl = '\n';
94
95     while (cnt) {
96         cnt = 0;
97
98         if (lineno)
99             (*lineno)++;
100
101         if ((ptr = fgetln(fp, &s)) == NULL)
102             break;
103
104         if (s && com) { /* Check and eliminate comments */
105             for (cp = ptr; cp < ptr + s; cp++)
106                 if (*cp == com && !isescaped(ptr, cp, esc)) {
107                     s = cp - ptr;
108                     cnt = s == 0 && buf == NULL;
109                     break;
110                 }
111         }
112
113         if (s && nl) { /* Check and eliminate newlines */
114             cp = &ptr[s - 1];
115
116             if (*cp == nl)
117                 s--; /* forget newline */
118         }
119
120         if (s && con) { /* Check and eliminate continuations */
121             cp = &ptr[s - 1];
122
123             if (*cp == con && !isescaped(ptr, cp, esc)) {

```

```

125         s--; /* forget escape */
126         cnt = 1;
127     }
128 }
129
130     if (s == 0 && buf != NULL)
131         continue;
132
133     if ((cp = realloc(buf, len + s + 1)) == NULL) {
134         free(buf);
135         return (NULL);
136     }
137     buf = cp;
138
139     (void) memcpy(buf + len, ptr, s);
140     len += s;
141     buf[len] = '\0';
142 }
143
144 if ((flags & FPARSELN_UNESCALL) != 0 && esc && buf != NULL &&
145     strchr(buf, esc) != NULL) {
146     ptr = cp = buf;
147     while (cp[0] != '\0') {
148         int skipesc;
149
150         while (cp[0] != '\0' && cp[0] != esc)
151             *ptr++ = *cp++;
152         if (cp[0] == '\0' || cp[1] == '\0')
153             break;
154
155         skipesc = 0;
156         if (cp[1] == com)
157             skipesc += (flags & FPARSELN_UNESCCOMM);
158         if (cp[1] == con)
159             skipesc += (flags & FPARSELN_UNESCCONT);
160         if (cp[1] == esc)
161             skipesc += (flags & FPARSELN_UNESCESC);
162         if (cp[1] != com && cp[1] != con && cp[1] != esc)
163             skipesc = (flags & FPARSELN_UNESCREST);
164
165         if (skipesc)
166             cp++;
167         else
168             *ptr++ = *cp++;
169         *ptr++ = *cp++;
170     }
171     *ptr = '\0';
172     len = strlen(buf);
173 }
174
175 if (size) {
176     *size = len;
177 }
178 return (buf);
179 }
180
181 #ifdef TEST
182
183 int
184 main(int argc, char *argv[])
185 {
186     char *ptr;
187     size_t size, line;
188
189     line = 0;
190     while ((ptr = fparseln(stdin, &size, &line, NULL,

```

```

191         FPARSELN_UNESCALL)) != NULL) {
192             printf("line %d (%d) |%s|\n", line, size, ptr);
193         }
194         return (0);
195     }
196
197 /*
198  * # This is a test
199  * line 1
200  * line 2 \
201  * line 3 # Comment
202  * line 4 \# Not comment \\\
203  *
204  * # And a comment \
205  * line 5 \\\
206  * line 6
207  */
208
209 #endif /* TEST */
210 #endif /* !codereview */

```

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

1

```
*****  
    259 Fri Sep 26 15:52:01 2014  
new/usr/src/cmd/mailwrapper/mailer.conf  
5166 sendmail package should be replaceable  
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>  
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>  
Reviewed by: Toomas Soome <tsoome@me.com>  
*****
```

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

```

*****
4631 Fri Sep 26 15:52:01 2014
new/usr/src/cmd/mailwrapper/mailwrapper.c
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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  *
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 */

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",
120                    progname, _PATH_MAILERCONF);
121            err(EX_CONFIG, "cannot parse line %lu",
122                (ulong_t)lineno);
123        }

```

```
125 #define WS      " \\t\\n"
126               cp = line;

128               cp += strspn(cp, WS);
129               if (cp[0] == '\\0') {
130                   /* empty line */
131                   free(line);
132                   continue;
133               }

135               if ((from = strsep(&cp, WS)) == NULL || cp == NULL)
136                   goto parse_error;

138               cp += strspn(cp, WS);

140               if ((to = strsep(&cp, WS)) == NULL)
141                   goto parse_error;

143               if (strcmp(from, progname) == 0) {
144                   for (ap = strsep(&cp, WS); ap != NULL;
145                      ap = strsep(&cp, WS)) {
146                       if (*ap)
147                           addarg(&al, ap);
148                   }
149                   break;
150               }

152               free(line);
153           }

155           (void) fclose(config);

157           for (i = 1; i < argc; i++)
158               addarg(&al, argv[i]);

160           addarg(&al, NULL);
161           execve(to, al.argv, envp);
162           err(EX_OSERR, "cannot exec %s", to);
163           /*NOTREACHED*/
164 parse_error:
165           errx(EX_CONFIG, "parse error in %s at line %lu",
166              _PATH_MAILERCONF, (ulong_t)lineno);
167           /*NOTREACHED*/
168           return (0);
169       }
170 #endif /* ! codereview */
```


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

1

```
*****
1880 Fri Sep 26 15:52:01 2014
new/usr/src/cmd/mailwrapper/pathnames.h
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
```

```
1 /* $FreeBSD$ */
3 /*
4  * Copyright (c) 1998
5  *   Perry E. Metzger. All rights reserved.
6  *
7  * Redistribution and use in source and binary forms, with or without
8  * modification, are permitted provided that the following conditions
9  * are met:
10 * 1. Redistributions of source code must retain the above copyright
11 * notice, this list of conditions and the following disclaimer.
12 * 2. Redistributions in binary form must reproduce the above copyright
13 * notice, this list of conditions and the following disclaimer in the
14 * documentation and/or other materials provided with the distribution.
15 * 3. All advertising materials mentioning features or use of this software
16 * must display the following acknowledgment:
17 *   This product includes software developed for the NetBSD Project
18 *   by Perry E. Metzger.
19 * 4. The name of the author may not be used to endorse or promote products
20 * derived from this software without specific prior written permission.
21 *
22 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
23 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
24 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
25 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
26 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
27 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
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 #ifndef _PATHNAMES_H
35 #define _PATHNAMES_H
36 #define _PATH_MAILERCONF "/etc/mailer.conf"
37 #define _PATH_DEFAULTMTA "/usr/lib/smtp/sendmail/sendmail"
38 #endif /* _PATHNAMES_H */
39 #endif /* !codereview */
```

```

*****
17138 Fri Sep 26 15:52:02 2014
new/usr/src/cmd/mailx/names.c
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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,
55      int metoo, int arg_notype);
56 static char      *norm(register char *user, register char *ubuf,

```

```

57      int nbangs);
58 static struct name      *gexpand(struct name *nlist, struct grouphead *gh, int m
59 static char      *norm(register char *user, register char *ubuf, int nban
60 static struct name      *put(struct name *list, struct name *node);

60 /*
61  * Allocate a single element of a name list,
62  * initialize its name field to the passed
63  * name and return it.
64  */

66 static struct name *
67 nalloc(char str[])
68 {
69     register struct name *np;

71     np = (struct name *)salloc(sizeof (*np));
71     np = (struct name *) salloc(sizeof *np);
72     np->n_flink = NIL;
73     np->n_blink = NIL;
74     np->n_type = -1;
75     np->n_full = savestr(str);
76     np->n_name = skin(np->n_full);
77     return (np);
77     return(np);
78 }

80 /*
81  * Find the tail of a list and return it.
82  */

84 struct name *
85 tailof(struct name *name)
86 {
87     register struct name *np;

89     np = name;
90     if (np == NIL)
91         return (NIL);
91         return(NIL);
92     while (np->n_flink != NIL)
93         np = np->n_flink;
94     return (np);
94     return(np);
95 }

97 /*
98  * Extract a list of names from a line,
99  * and make a list of names from it.
100 * Return the list or NIL if none found.
101 */

103 struct name *
104 extract(char line[], int arg_notype)
105 {
106     short ntype = (short)arg_notype;
107     register char *cp;
108     register struct name *top, *np, *t;
109     char nbuf[BUFSIZ], abuf[BUFSIZ];
110     int comma;

112     if (line == NOSTR || strlen(line) == 0)
113         return (NIL);
113         return(NIL);
114     comma = docomma(line);
114     comma = docomma(line);
115     top = NIL;

```

```

116     np = NIL;
117     cp = line;
118     while ((cp = yankword(cp, nbuf, sizeof (nbuf), comma)) != NOSTR) {
119         if (np != NIL && equal(nbuf, "at")) {
120             nstrcpy(abuf, sizeof (abuf), nbuf);
121             if ((cp = yankword(cp, nbuf, sizeof (nbuf),
122                 comma)) == NOSTR) {
123                 nstrcpy(nbuf, sizeof (nbuf), abuf);
124                 goto normal;
125             }
126             snprintf(abuf, sizeof (abuf), "%s%s", np->n_name,
127                 nbuf);
128             np->n_name = savestr(abuf);
129             continue;
130         }
131     normal:
132         t = malloc(nbuf);
133         t->n_type = ntype;
134         if (top == NIL)
135             top = t;
136         else
137             np->n_flink = t;
138         t->n_blink = np;
139         np = t;
140     }
141     return (top);
142 }

144 /*
145  * Turn a list of names into a string of the same names.
146  */

148 char *
149 detract(register struct name *np, int ntype)
150 {
151     register int s;
152     register char *cp, *top;
153     register struct name *p;

155     if (np == NIL)
156         return (NOSTR);
157     return(NOSTR);
158     s = 0;
159     for (p = np; p != NIL; p = p->n_flink) {
160         if ((ntype && (p->n_type & GMASK) != ntype) ||
161             (p->n_type & GDEL))
162             if ((ntype && (p->n_type & GMASK) != ntype)
163                 || (p->n_type & GDEL))
164                 continue;
165             s += strlen(p->n_full) + 2;
166     }
167     if (s == 0)
168         return (NOSTR);
169     return(NOSTR);
170     top = (char *)salloc((unsigned)(++s));
171     cp = top;
172     for (p = np; p != NIL; p = p->n_flink) {
173         if ((ntype && (p->n_type & GMASK) != ntype) ||
174             (p->n_type & GDEL))
175             if ((ntype && (p->n_type & GMASK) != ntype)
176                 || (p->n_type & GDEL))
177                 continue;
178         cp = copy(p->n_full, cp);
179         *cp++ = ',';
180         *cp++ = ' ';

```

```

175     }
176     *cp = 0;
177     return (top);
178     return(top);
179 }

180 struct name *
181 outpre(struct name *to)
182 {
183     register struct name *np;

185     for (np = to; np; np = np->n_flink)
186         if (isfileaddr(np->n_name))
187             np->n_type |= GDEL;
188     return (to);
189     return to;
190 }

191 /*
192  * For each recipient in the passed name list with a /
193  * in the name, append the message to the end of the named file
194  * and remove him from the recipient list.
195  *
196  * Recipients whose name begins with | are piped through the given
197  * program and removed.
198  */

200 int
201 outof(struct name *names, FILE *fo)
202 {
203     register int c;
204     register struct name *np;
205     time_t now;
206     char *date, *fname, *shell;
207     FILE *fout, *fin;
208     int ispipe;
209     int nout = 0;
210     int fd = 0;
211     #ifdef preSVr4
212     char line[BUFSIZ];
213     #endif

215     for (np = names; np != NIL; np = np->n_flink) {
216         if (!isfileaddr(np->n_name) && np->n_name[0] != '|')
217             continue;
218         nout++;
219         ispipe = np->n_name[0] == '|';
220         if (ispipe)
221             fname = np->n_name+1;
222         else
223             fname = safeexpand(np->n_name);

225         /*
226          * See if we have copied the complete message out yet.
227          * If not, do so.
228          */

230         if (image < 0) {
231             fd = open(tempEdit, O_CREAT|O_EXCL|O_APPEND|O_WRONLY,
232                 0600);
233             if ((fd < 0) && (errno == EEXIST)) {
234                 if ((fd = open(tempEdit, O_APPEND|O_WRONLY,
235                     0600)) < 0) {
236                     perror(tempEdit);
237                     senderr++;
238                     goto cant;

```

```

239     }
240     }
241     if ((fout = fdopen(fd, "a")) == NULL) {
242         perror(tempEdit);
243         senderr++;
244         goto cant;
245     }
246     image = open(tempEdit, O_RDWR);
247     unlink(tempEdit);
248     if (image < 0) {
249         perror(tempEdit);
250         senderr++;
251         goto cant;
252     } else {
253         rewind(fo);
254         time(&now);
255         date = ctime(&now);
256         fprintf(fout, "From %s %s", myname, date);
257         while ((c = getc(fo)) != EOF)
258             putc(c, fout);
259         rewind(fo);
260         fflush(fout);
261         if (fferror(fout))
262             perror(tempEdit);
263         fclose(fout);
264     }
265 }
266
267 /*
268  * Now either copy "image" to the desired file
269  * or give it as the standard input to the desired
270  * program as appropriate.
271  */
272
273 if (ispipe) {
274     wait((int *)NULL);
275     switch (fork()) {
276     case 0:
277         sigchild();
278         sigset(SIGHUP, SIG_IGN);
279         sigset(SIGINT, SIG_IGN);
280         sigset(SIGQUIT, SIG_IGN);
281         close(0);
282         dup(image);
283         close(image);
284         lseek(0, 0L, 0);
285         if ((shell = value("SHELL")) == NOSTR ||
286             *shell == '\0')
287             if ((shell = value("SHELL")) == NOSTR || *shell=
288                 shell = SHELL;
289             (void) execlp(shell, shell, "-c", fname,
290                 (char *)0);
291             (void) execlp(shell, shell, "-c", fname, (char *
292                 perror(shell);
293                 exit(1);
294                 break;
295
296     case (pid_t)-1:
297         perror("fork");
298         senderr++;
299         goto cant;
300     } else {
301     } else {
302         if ((fout = fopen(fname, "a")) == NULL) {

```

```

301         perror(fname);
302         senderr++;
303         goto cant;
304     }
305     fin = Fdopen(image, "r");
306     if (fin == NULL) {
307         fprintf(stderr,
308             gettext("Can't reopen image\n"));
309         fclose(fout);
310         senderr++;
311         goto cant;
312     }
313     rewind(fin);
314 #ifdef preSVr4
315     putc(getc(fin), fout);
316     while (fgets(line, sizeof (line), fin)) {
317         if (strncmp(line, "From ", 5) == 0)
318             while (fgets(line, sizeof line, fin)) {
319                 if (!strncmp(line, "From ", 5))
320                     putc('>', fout);
321                 fputs(line, fout);
322             }
323     }
324 #else
325     while ((c = getc(fin)) != EOF)
326         putc(c, fout);
327 #endif
328     putc('\n', fout);
329     fflush(fout);
330     if (fferror(fout))
331         senderr++, perror(fname);
332     fclose(fout);
333     fclose(fin);
334 }
335 cant:
336 /*
337  * In days of old we removed the entry from the
338  * the list; now for sake of header expansion
339  * we leave it in and mark it as deleted.
340  */
341
342 #ifdef CRAZYWOW
343 {
344     register struct name *t, *x;
345
346     if (np == top) {
347         top = np->n_flink;
348         if (top != NIL)
349             top->n_blink = NIL;
350         np = top;
351         continue;
352     }
353     x = np->n_blink;
354     t = np->n_flink;
355     x->n_flink = t;
356     if (t != NIL)
357         t->n_blink = x;
358     np = t;
359 }
360 #endif
361
362 np->n_type |= GDEL;
363 if (image >= 0) {
364     close(image);
365     image = -1;
366 }

```

```

365     return (nout);
364     return(nout);
366 }

368 /*
369  * Determine if the passed address is a local "send to file" address.
370  * If any of the network metacharacters precedes any slashes, it can't
371  * be a filename. We cheat with .'s to allow path names like ./...
372  * If "fcc" has been unset, then short-circuit those tests, but not
373  * the +... test.
374  */
375 static int
376 isfileaddr(char *name)
377 {
378     register char *cp;
379     char *fcc = value("fcc");

381     if (any('@', name))
382         return (0);
381     return(0);
383     if (*name == '+')
384         return (1);
383     return(1);
385     if (fcc == NOSTR)
386         return (0);
385     return(0);
387     for (cp = name; *cp; cp++) {
388         if (*cp == '.')
389             continue;
390         if (any(*cp, metanet))
391             return (0);
390     return(0);
392         if (*cp == '/')
393             return (1);
392     return(1);
394     }
395     return (0);
394     return(0);
396 }

398 /*
399  * Map all of the aliased users in the invoker's mailrc
400  * file and insert them into the list.
401  * Changed after all these months of service to recursively
402  * expand names (2/14/80).
403  */

405 struct name *
406 usermap(struct name *names)
407 {
408     register struct name *newnames, *np, *cp;
409     struct grouphead *gh;
410     register int metoo;

412     newnames = NIL;
413     np = names;
414     metoo = (value("metoo") != NOSTR);
415     while (np != NIL) {
416         if (np->n_name[0] == '\\') {
417             cp = np->n_flink;
418             newnames = put(newnames, np);
419             np = cp;
420             continue;
421         }
422         gh = findgroup(np->n_name);
423         cp = np->n_flink;

```

```

424         if (gh != NOGRP)
425             newnames = gexpand(newnames, gh, metoo, np->n_type);
426         else
427             newnames = put(newnames, np);
428         np = cp;
429     }
430     return (newnames);
429     return(newnames);
431 }

433 /*
434  * Recursively expand a group name. We limit the expansion to some
435  * fixed level to keep things from going haywire.
436  * Direct recursion is not expanded for convenience.
437  */

439 static struct name *
440 gexpand(struct name *nlist, struct grouphead *gh, int metoo, int arg_n_type)
441 {
442     short ntype = (short)arg_n_type;
443     struct mgroup *gp;
444     struct grouphead *ngh;
445     struct name *np;
446     static int depth;
447     register char *cp;

449     if (depth > MAXEXP) {
450         printf(gettext("Expanding alias to depth larger than %d\n"),
451             MAXEXP);
452         return (nlist);
451     return(nlist);
453     }
454     depth++;
455     for (gp = gh->g_list; gp != NOGE; gp = gp->ge_link) {
456         cp = gp->ge_name;
457         if (*cp == '\\')
458             goto quote;
459         if (strcmp(cp, gh->g_name) == 0)
460             goto quote;
461         if ((ngh = findgroup(cp)) != NOGRP) {
462             nlist = gexpand(nlist, ngh, metoo, ntype);
463             continue;
464         }
465     quote:
466         np = nalloc(cp);
467         np->n_type = ntype;
468         /*
469          * At this point should allow to expand
470          * to self if only person in group
471          */
472         if (gp == gh->g_list && gp->ge_link == NOGE)
473             goto skip;
474         if (!metoo && somebody(myname, gp->ge_name, FALSE))
475             np->n_type |= GDEL;
476     skip:
477         nlist = put(nlist, np);
478     }
479     depth--;
480     return (nlist);
479     return(nlist);
481 }

483 /*
484  * Normalize a network name for comparison purposes.
485  */
486 static char *

```

```

487 norm(register char *user, register char *ubuf, int nbangs)
488 {
489     register char *cp;
490     int inubuf = 0;

492     while (*user++ == '!')
493         ;
491     while (*user++ == '!');
494     user--;
495     if (!strchr(user, '!')) {
496         snprintf(ubuf, BUFSIZ, "%s!%s", host, user);
497         user = ubuf;
498         inubuf++;
499     }
500     if (nbangs) {
501         cp = user + strlen(user);
502         while (nbangs--)
503             while (cp > user && *--cp != '!')
504                 ;
505         user = (cp > user) ? ++cp : cp;
506         /*
507          * Now strip off all Internet-type
508          * hosts.
509          */
510         if ((cp = strchr(user, '%')) == NOSTR)
511             cp = strchr(user, '@');
512         if (cp != NOSTR) {
513             if (!inubuf) {
514                 strncpy(ubuf, user, cp - user);
515                 ubuf[cp - user] = '\0';
516                 user = ubuf;
517             } else
518                 *cp = '\0';
519         }
520     }
521     return (user);
522     return user;
522 }

524 /*
525  * Implement allnet options.
526  */
527 int
528 somebody(register char *user, register char *addr, int fuzzy)
529 {
530     char ubuf[BUFSIZ], abuf[BUFSIZ];
531     char *allnet = value("allnet");
532     int nbangs = allnet ? (strcmp(allnet, "uucp") == 0) ? 2 : 1 : 0;
533     int nbangs = allnet ? !strcmp(allnet, "uucp") ? 2 : 1 : 0;

534     if (fuzzy && value("fuzzymatch")) {
535         int i;

537         (void) strcpy(ubuf, user, BUFSIZ);
538         for (i = 0; ubuf[i]; i++)
539             ubuf[i] = tolower(ubuf[i]);
540         (void) strcpy(abuf, addr, BUFSIZ);
541         for (i = 0; abuf[i]; i++)
542             abuf[i] = tolower(abuf[i]);
543         return (strstr(abuf, ubuf) != NOSTR);
544     }
545     user = norm(user, ubuf, nbangs);
546     addr = norm(addr, abuf, nbangs);
547     return (strcmp(user, addr) == 0);
548     return strcmp(user, addr) == 0;

```

```

548 }

550 /*
551  * Compute the length of the passed name list and
552  * return it.
553  */
554 static int
555 lengthof(struct name *name)
556 {
557     register struct name *np;
558     register int c;

560     for (c = 0, np = name; np != NIL; c++, np = np->n_flink)
561         ;
562     return (c);
563     return(c);
563 }

565 /*
566  * Concatenate the two passed name lists, return the result.
567  */

569 struct name *
570 cat(struct name *n1, struct name *n2)
571 {
572     register struct name *tail;

574     if (n1 == NIL)
575         return (n2);
576     if (n2 == NIL)
577         return (n1);
578     tail = tailof(n1);
579     tail->n_flink = n2;
580     n2->n_blink = tail;
581     return (n1);
582     return(n1);
582 }

584 /*
585  * Unpack the name list onto a vector of strings.
586  * Return an error if the name list won't fit.
587  */

589 char **
590 unpack(struct name *np)
591 {
592     register char **ap, **top;
593     register struct name *n;
594     char hbuf[10];
595     int t, extra, metoo, verbose;

597     n = np;
598     if ((t = lengthof(n)) == 0)
599         panic("No names to unpack");

601     /*
602      * Compute the number of extra arguments we will need.
603      * We need at least 2 extra -- one for "mail" and one for
604      * the terminating 0 pointer.
605      * Additional spots may be needed to pass along -r and -f to
606      * the host mailer.
607      */

609     extra = 2;

```

```

611     if (rflag != NOSTR)
612         extra += 2;
610 #ifndef SENDMAIL
613     extra++;
614     metoo = value("metoo") != NOSTR;
615     if (metoo)
616         extra++;
617     verbose = value("verbose") != NOSTR;
618     if (verbose)
619         extra++;
620     if (hflag)
621         extra += 2;
622     top = (char **)salloc((t + extra) * sizeof (char *));
620 #endif /* SENDMAIL */
621     top = (char **)salloc((t + extra) * sizeof (char *));
623     ap = top;
624     *ap++ = "sendmail";
623     *ap++ = "mail";
625     if (rflag != NOSTR) {
626         *ap++ = "-r";
627         *ap++ = rflag;
628     }
628 #ifndef SENDMAIL
629     *ap++ = "-i";
630     if (metoo)
631         *ap++ = "-m";
632     if (verbose)
633         *ap++ = "-v";
634     if (hflag) {
635         *ap++ = "-h";
636         snprintf(hbuf, sizeof (hbuf), "%d", hflag);
637         *ap++ = savestr(hbuf);
638     }
639 #endif /* SENDMAIL */
639     while (n != NIL) {
640         if (n->n_type & GDEL) {
641             n = n->n_flink;
642             continue;
643         }
644         *ap++ = n->n_name;
645         n = n->n_flink;
646     }
647     *ap = NOSTR;
648     return (top);
649     return(top);
649 }

```

unchanged_portion_omitted

```

670 /*
671  * Remove all of the duplicates from the passed name list by
672  * insertion sorting them, then checking for dups.
673  * Return the head of the new list.
674  */

676 struct name *
677 elide(struct name *names)
678 {
679     register struct name *np, *t, *newnames;
680     struct name *x;

682     if (names == NIL)
683         return (NIL);
684     return(NIL);
684     newnames = names;
685     np = names;

```

```

686     np = np->n_flink;
687     if (np != NIL)
688         np->n_blink = NIL;
689     newnames->n_flink = NIL;
690     while (np != NIL) {
691         t = newnames;
692         while (strcmp(t->n_name, np->n_name) < 0) {
693             if (t->n_flink == NIL)
694                 break;
695             t = t->n_flink;
696         }

698         /*
699         * If we ran out of t's, put the new entry after
700         * the current value of t.
701         */

703         if (strcmp(t->n_name, np->n_name) < 0) {
704             t->n_flink = np;
705             np->n_blink = t;
706             t = np;
707             np = np->n_flink;
708             t->n_flink = NIL;
709             continue;
710         }

712         /*
713         * Otherwise, put the new entry in front of the
714         * current t. If at the front of the list,
715         * the new guy becomes the new head of the list.
716         */

718         if (t == newnames) {
719             t = np;
720             np = np->n_flink;
721             t->n_flink = newnames;
722             newnames->n_blink = t;
723             t->n_blink = NIL;
724             newnames = t;
725             continue;
726         }

728         /*
729         * The normal case -- we are inserting into the
730         * middle of the list.
731         */

733         x = np;
734         np = np->n_flink;
735         x->n_flink = t;
736         x->n_blink = t->n_blink;
737         t->n_blink->n_flink = x;
738         t->n_blink = x;
739     }

741     /*
742     * Now the list headed up by new is sorted.
743     * Go through it and remove duplicates.
744     * Remember the best "type" among all the
745     * duplicates of a name.
746     */

748     np = newnames;
749     while (np != NIL) {
750         int type;

```

```

752     t = np;
753     type = np->n_type;
754     while (t->n_flink != NIL &&
755           while (t->n_flink!=NIL &&
756                 strcmp(np->n_name, t->n_flink->n_name) == 0) {
757         t = t->n_flink;
758         /* "To" before "Cc" before "Bcc" */
759         if (t->n_type < type)
760             type = t->n_type;
761     }
762     if (t == np || t == NIL) {
763         np = np->n_flink;
764         continue;
765     }
766     /*
767     * Now t points to the last entry with the same name
768     * as np.  Make np point beyond t.
769     */
770
771     np->n_flink = t->n_flink;
772     if (t->n_flink != NIL)
773         t->n_flink->n_blink = np;
774     np->n_type = type;
775     np = np->n_flink;
776 }
777 return (newnames);
778 return(newnames);
779 }
780
781 /*
782 * Put another node onto a list of names and return
783 * the list.
784 */
785 static struct name *
786 put(struct name *list, struct name *node)
787 {
788     node->n_flink = list;
789     node->n_blink = NIL;
790     if (list != NIL)
791         list->n_blink = node;
792     return (node);
793     return(node);
794 }
795
796 /*
797 * Delete the given name from a namelist.
798 */
799 struct name *
800 delname(register struct name *np, char name[])
801 {
802     register struct name *p;
803
804     for (p = np; p != NIL; p = p->n_flink)
805         if (samebody(name, p->n_name, FALSE)) {
806             if (p->n_blink == NIL) {
807                 if (p->n_flink != NIL)
808                     p->n_flink->n_blink = NIL;
809                 np = p->n_flink;
810                 continue;
811             }
812             if (p->n_flink == NIL) {
813                 if (p->n_blink != NIL)
814                     p->n_blink->n_flink = NIL;

```

```

815         continue;
816     }
817     p->n_blink->n_flink = p->n_flink;
818     p->n_flink->n_blink = p->n_blink;
819 }
820 return (np);
821 return(np);
822 }
_____unchanged_portion_omitted_

```


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

1

```
*****
1409 Fri Sep 26 15:52:02 2014
new/usr/src/cmd/sendmail/Makefile.cmd
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 2009 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
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=         -DNDEM -DNEWDB -DNIS -DUSERDB -DMAP_REGEX -DLDAPMAP
36 #
37 ROOTLIBSMTPSM = $(ROOTLIB)/smtp/sendmail
38 #
39 $(ROOTLIBSMTPSM):
40     $(INS.dir)
41 #
42 $(ROOTLIBSMTPSM)/%: $(ROOTLIBSMTPSM) %
43     $(INS.file)
44 #endif /* ! codereview */
```

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

1

```
*****
3692 Fri Sep 26 15:52:03 2014
new/usr/src/cmd/sendmail/aux/Makefile
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
22 # Use is subject to license terms.
23 #

25 # cmd/sendmail/aux/Makefile
26 #
27 include ../../Makefile.cmd
28 include ../Makefile.cmd

30 PROG= mailstats mconnect vacation mailcompat praliases
30 PROG= mailstats mconnect vacation mailcompat praliases mailq

32 LIBPROG= mail.local smrsh

34 USRSBINPROG= etrn makemap editmap

36 LIBSMTPSPROG= mailq

38 #endif /* ! codereview */
39 # $(PROG) by default
40 CLOBBERFILES= $(LIBPROG) $(USRSBINPROG)

42 OBJS= $(PROG:%=%.o)

44 .PARALLEL: $(OBJS) $(PROG) $(LIBPROG) $(USRSBINPROG)

46 SRCS= $(PROG:%=%.c)

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 $(ROOTLIBSMTPSM)/mailq := FILEMODE = 4555
```

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

2

```
36 $(ROOTBIN)/mailq := FILEMODE = 4555

59 INCPATH= -I../src -I../db -I../include

61 ENVDEF= -DNOT_SENDMAIL
62 SUNENVDEF= -DSUN_EXTENSIONS -DUSE_VENDOR_CF_PATH
63 DBMDEF= -DNDBM -DNEWDB

65 CPPFLAGS = $(INCPATH) $(ENVDEF) $(SUNENVDEF) $(DBMDEF) $(CPPFLAGS.sm)

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%)

71 .KEEP_STATE:

73 all: $(PROG) $(LIBSMTPSPROG) $(LIBPROG) $(USRSBINPROG)
52 all: $(PROG) $(LIBPROG) $(USRSBINPROG)

75 convtime.o: ../src/convtime.c
76 $(COMPILE.c) ../src/convtime.c
77 $(POST_PROCESS_O)

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)

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)

89 smrsh: smrsh.o ../libsm/libsm.a
90 $(LINK.c) smrsh.o -o $@ $(LDLIBS) ../libsm/libsm.a
91 $(POST_PROCESS)

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)

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)

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)

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)

116 install: all $(ROOTPROG) $(ROOTLIB)/mail.local $(ROOTLIB)/smrsh \
117 $(ROOTLIBSMTPSM)/mailq $(ROOTUSRSBIN)/makemap \
118 $(ROOTUSRSBIN)/etrn $(ROOTUSRSBIN)/editmap
96 $(ROOTUSRSBIN)/makemap $(ROOTUSRSBIN)/etrn $(ROOTUSRSBIN)/editmap

120 clean:
```

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

3

121 \$(RM) \$(OBJS) *.o

123 lint: lint_PROG

126 include ../../Makefile.targ

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

1

```
*****
1860 Fri Sep 26 15:52:04 2014
new/usr/src/cmd/sendmail/aux/mailq.c
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 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 <sysexits.h>
34 #include <errno.h>
35 #include <auth_list.h>
36
37 #define _PATH_SENDMAIL_BIN      "/usr/lib/smtp/sendmail/sendmail"
38 #define _PATH_SENDMAIL_BIN     "/usr/lib/sendmail"
39
40 int
41 main(int argc, char *argv[], char *envp[])
42 {
43     struct passwd *pw = getpwuid(getuid());
44     char **newargv;
45     int j;
46
47     if (pw && chkauthattr(MAILQ_AUTH, pw->pw_name)) {
48         /* The extra 2 is 1 for the "-bp" + 1 for the terminator. */
49         newargv = (char **)malloc((argc + 2) * sizeof(char *));
50         if (newargv == NULL)
51             exit(EX_UNAVAILABLE);
52         newargv[0] = _PATH_SENDMAIL_BIN;
53         newargv[1] = "-bp";
54         for (j = 1; j <= argc; j++)
55             newargv[j + 1] = argv[j];
56         (void) execve(_PATH_SENDMAIL_BIN, newargv, envp);
57         perror("Cannot exec " _PATH_SENDMAIL_BIN);
58         exit(EX_OSERR);
59     }
60 }
```

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

2

```
58     }
59     (void) fputs("No authorization to run mailq; "
60                "see mailq(1) for details.\n", stderr);
61     return (EX_NOPERM);
62 }
_____unchanged_portion_omitted_____
```

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

1

```
*****
2390 Fri Sep 26 15:52:04 2014
new/usr/src/cmd/sendmail/src/Makefile
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 # 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 #
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 srvsmtpt.o stab.o \
40         stats.o sysexits.o tls.o trace.o udb.o usersmtpt.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)
```

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

2

```
60 FILEMODE=    2555
61 #
62 ROOTSYMLINKS= $(ROOTLIBSMTPSM)/newaliases
63 ROOTSYMLINKS= $(ROOTUSRSBIN)/newaliases $(ROOTUSRSBIN)/sendmail
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)
78 install:      $(ROOTLIBPROG) $(ROOTSYMLINKS)
79 #
79 $(ROOTSYMLINKS):
80             $(RM) $@; $(SYMLINK) sendmail $@
81             $(RM) $@; $(SYMLINK) ../lib/sendmail $@
82 #
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 Fri Sep 26 15:52:05 2014
new/usr/src/cmd/svc/shell/sendmail_include.sh
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
1 #!/sbin/sh
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 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.

25 DEFAULT_FILE="/etc/default/sendmail"
26 SENDMAIL="/usr/lib/sntp/sendmail/sendmail"
26 SENDMAIL="/usr/lib/sendmail"
27 PATH="/usr/bin:/usr/sbin:/usr/ccs/bin"
28 export PATH

30 check_queue_interval_syntax()
31 {
32     default="15m"
33     if [ $# -lt 1 ]; then
34         answer=$default
35         return
36     fi
37     if echo $1 | egrep '^([0-9]*[1-9][0-9]*[smhdw])+$' >/dev/null 2>&1; then
38         answer=$1
39     else
40         answer=$default
41     fi
42 }
unchanged_portion_omitted
```

```

*****
14593 Fri Sep 26 15:52:05 2014
new/usr/src/man/man1m/Makefile
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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=     1m
22 _MANFILES=   6to4relay.1m      //
23              Intro.1m         //
24              Uutry.1m         //
25              accept.1m       //
26              acct.1m         //
27              acctadm.1m      //
28              acctcms.1m      //
29              acctcon.1m      //
30              acctmerg.1m     //
31              acctprc.1m      //
32              acctsh.1m       //
33              adbgen.1m       //
34              add_allocatable.1m //
35              add_drv.1m      //
36              addbadsec.1m    //
37              arcstat.1m      //
38              arp.1m          //
39              atohexlabel.1m  //
40              audit.1m        //
41              audit_warn.1m   //
42              auditconfig.1m  //
43              auditd.1m       //
44              auditrecord.1m  //
45              auditreduce.1m  //
46              auditstat.1m    //
47              automount.1m    //
48              automountd.1m   //
49              autopush.1m     //
50              bart.1m         //
51              beadm.1m        //
52              boot.1m         //
53              bootadm.1m      //
54              bootconfchk.1m  //
55              busstat.1m      //
56              cachebsd.1m     //
57              cachebsdlog.1m  //
58              cachebspack.1m  //

```

```

59              cachebsdstat.1m //
60              cachebsdsize.1m //
61              captainfo.1m    //
62              catman.1m       //
63              cfgadm.1m       //
64              cfgadm_ac.1m    //
65              cfgadm_cardbus.1m //
66              cfgadm_fp.1m   //
67              cfgadm_ib.1m   //
68              cfgadm_pci.1m   //
69              cfgadm_sata.1m  //
70              cfgadm_sbd.1m   //
71              cfgadm_scsi.1m  //
72              cfgadm_sysctrl.1m //
73              cfgadm_usb.1m   //
74              cfsadmin.1m     //
75              chat.1m        //
76              check-hostname.1m //
77              check-permissions.1m //
78              chroot.1m      //
79              clear_locks.1m  //
80              clinfo.1m      //
81              clri.1m        //
82              consadm.1m     //
83              conv_lp.1m     //
84              conv_lpd.1m    //
85              coreadm.1m     //
86              cpustat.1m     //
87              cron.1m        //
88              cryptoadm.1m   //
89              datadm.1m      //
90              dd.1m          //
91              devattr.1m     //
92              devfree.1m     //
93              devfsadm.1m    //
94              device_remap.1m //
95              devinfo.1m     //
96              devlinks.1m    //
97              devnm.1m       //
98              devprop.1m     //
99              devreserv.1m   //
100             df.1m          //
101             df_ufs.1m       //
102             dfmounts.1m    //
103             dfmounts_nfs.1m //
104             dfshares.1m    //
105             dfshares_nfs.1m //
106             dhcpagent.1m   //
107             dhcpconfig.1m  //
108             dhcpmgr.1m     //
109             dhtadm.1m      //
110             disks.1m       //
111             diskscan.1m    //
112             dispadmin.1m   //
113             dladm.1m       //
114             dlmgmtd.1m     //
115             dmesg.1m       //
116             dminfo.1m      //
117             dns-sd.1m      //
118             domainname.1m  //
119             drvconfig.1m   //
120             dsbitmap.1m    //
121             dscfg.1m       //
122             dscfgadm.1m    //
123             dscfglockd.1m  //
124             dsstat.1m     //

```

new/usr/src/man/man1m/Makefile

```

125         dsvclockd.1m  //
126         dtrace.1m     //
127         dumpadm.1m    //
128         editmap.1m    //
129         edquota.1m    //
130         eeprom.1m     //
131         embedded_su.1m //
132         etrn.1m       //
133         fcinfo.1m     //
134         fdetach.1m    //
135         fdisk.1m      //
136         ff.1m         //
137         ff_ufs.1m     //
138         fiocompress.1m //
139         flowadm.1m    //
140         fmadm.1m      //
141         fmd.1m        //
142         fmdump.1m     //
143         fmstat.1m     //
144         fmthard.1m    //
145         format.1m     //
146         fruadm.1m     //
147         fsck.1m       //
148         fsck_cacheufs.1m //
149         fsck_pcfs.1m  //
150         fsck_udfs.1m  //
151         fsck_ufs.1m   //
152         fsdb.1m       //
153         fsdb_udfs.1m  //
154         fsdb_ufs.1m   //
155         fsirand.1m    //
156         fssnap.1m     //
157         fssnap_ufs.1m //
158         fsstat.1m     //
159         fstyp.1m      //
160         fuser.1m      //
161         fwflash.1m    //
162         fwtmp.1m     //
163         getdev.1m     //
164         getdevpolicy.1m //
165         getdgrp.1m    //
166         getent.1m     //
167         gettable.1m   //
168         getty.1m      //
169         getvol.1m     //
170         groupadd.1m   //
171         groupdel.1m   //
172         groupmod.1m   //
173         growfs.1m     //
174         gsscred.1m    //
175         gssd.1m       //
176         hal-device.1m //
177         hal-fdi-validate.1m //
178         hal-find.1m   //
179         hal-get-property.1m //
180         hald.1m       //
181         halt.1m       //
182         hextoalabel.1m //
183         hostconfig.1m //
184         htable.1m     //
185         ickey.1m      //
186         id.1m         //
187         idmap.1m      //
188         idmapd.1m     //
189         idsconfig.1m  //
190         if_mpadm.1m   //

```

3

new/usr/src/man/man1m/Makefile

```

191         ifconfig.1m  //
192         ifparse.1m   //
193         iiadm.1m     //
194         iicpbmp.1m   //
195         iicpshd.1m   //
196         ikeadm.1m    //
197         ikecert.1m   //
198         in.chargend.1m //
199         in.comsat.1m  //
200         in.daytimed.1m //
201         in.dhcpd.1m   //
202         in.discardd.1m //
203         in.echod.1m   //
204         in.fingerd.1m //
205         in.iked.1m   //
206         in.lpd.1m    //
207         in.mpathd.1m  //
208         in.ndpd.1m    //
209         in.rarpd.1m   //
210         in.rdisc.1m   //
211         in.rexecd.1m  //
212         in.ripngd.1m  //
213         in.rlogind.1m //
214         in.routed.1m  //
215         in.rshd.1m   //
216         in.rwhod.1m  //
217         in.talkd.1m  //
218         in.telnetd.1m //
219         in.tftpd.1m   //
220         in.timed.1m   //
221         in.uucpd.1m   //
222         inetadm.1m    //
223         inetconv.1m   //
224         inetd.1m      //
225         infocmp.1m    //
226         init.1m       //
227         inityp21.1m   //
228         install.1m    //
229         installif.1m  //
230         installgrub.1m //
231         intrd.1m      //
232         intrstat.1m   //
233         iostat.1m     //
234         ipaddrsel.1m  //
235         ipadm.1m      //
236         ipadm.1m      //
237         ipf.1m        //
238         ipfs.1m       //
239         ipfstat.1m    //
240         ipmon.1m      //
241         ipmpstat.1m   //
242         ipnat.1m      //
243         ippool.1m     //
244         ipqosconf.1m  //
245         ipsecalgs.1m  //
246         ipsecconf.1m  //
247         ipseckey.1m   //
248         iscsiadm.1m   //
249         isns.1m       //
250         isnsadm.1m    //
251         itadm.1m      //
252         k5srvutil.1m  //
253         kadb.1m       //
254         kadmin.1m     //
255         kadmind.1m    //
256         kcliend.1m    //

```

4


```

257 kdb5_ldap_util.1m //
258 kdb5_util.1m //
259 kdcmgr.1m //
260 kernel.1m //
261 key serv.1m //
262 killall.1m //
263 kprop.1m //
264 kpropd.1m //
265 kproplog.1m //
266 krb5kdc.1m //
267 ksslcfg.1m //
268 kstat.1m //
269 ktkk_warnd.1m //
270 labelit.1m //
271 labelit_hsf.1m //
272 labelit_udfs.1m //
273 labelit_ufs.1m //
274 latencytop.1m //
275 ldap_cachemgr.1m //
276 ldapaddent.1m //
277 ldapclient.1m //
278 link.1m //
279 listdgrp.1m //
280 listen.1m //
281 locator.1m //
282 lockfs.1m //
283 lockstat.1m //
284 lofiadm.1m //
285 logadm.1m //
286 logins.1m //
287 lpadmin.1m //
288 lpfilter.1m //
289 lpforms.1m //
290 lpget.1m //
291 lpmove.1m //
292 lpsched.1m //
293 lpset.1m //
294 lpshut.1m //
295 lpsystem.1m //
296 lpusers.1m //
297 luxadm.1m //
298 mail.local.1m //
299 mailwrapper.1m //
300 #endif /* ! codereview */
301 makedbm.1m //
302 makemap.1m //
303 mdmonitor.1m //
304 medstat.1m //
305 metaclear.1m //
306 metadb.1m //
307 metadevadm.1m //
308 metahs.1m //
309 metaimport.1m //
310 metainit.1m //
311 metaoffline.1m //
312 metaparam.1m //
313 metarecover.1m //
314 metarename.1m //
315 metareplace.1m //
316 metaroot.1m //
317 metaset.1m //
318 metassist.1m //
319 metastat.1m //
320 metasync.1m //
321 metattach.1m //
322 mkdevalloc.1m //

```

```

323 mkdevmaps.1m //
324 mkfifo.1m //
325 mkfile.1m //
326 mkfs.1m //
327 mkfs_pcfs.1m //
328 mkfs_udfs.1m //
329 mkfs_ufs.1m //
330 mknod.1m //
331 mkpwdict.1m //
332 modinfo.1m //
333 modload.1m //
334 modunload.1m //
335 mount.1m //
336 mount_cache.1m //
337 mount_hsf.1m //
338 mount_nfs.1m //
339 mount_pcfs.1m //
340 mount_smbfs.1m //
341 mount_tmpfs.1m //
342 mount_udfs.1m //
343 mount_ufs.1m //
344 mountall.1m //
345 mountd.1m //
346 mpathadm.1m //
347 mpstat.1m //
348 msgid.1m //
349 mvd.1m //
350 ncaconfd.1m //
351 ncheck.1m //
352 ncheck_ufs.1m //
353 ndd.1m //
354 ndmpadm.1m //
355 ndmpd.1m //
356 ndmpstat.1m //
357 netstat.1m //
358 netstrategy.1m //
359 newaliases.1m //
360 newfs.1m //
361 newkey.1m //
362 nfs4cbd.1m //
363 nfsd.1m //
364 nfslogd.1m //
365 nfsmapid.1m //
366 nfsstat.1m //
367 nlsadmin.1m //
368 nscadm.1m //
369 nscd.1m //
370 nwamd.1m //
371 passmgmt.1m //
372 pbind.1m //
373 picld.1m //
374 ping.1m //
375 pkgadd.1m //
376 pkgadm.1m //
377 pkgask.1m //
378 pkgchk.1m //
379 pkgrm.1m //
380 plockstat.1m //
381 pmadm.1m //
382 pmconfig.1m //
383 pntadm.1m //
384 polkit-is-privileged.1m //
385 pooladm.1m //
386 poolbind.1m //
387 poolcfg.1m //
388 pool.1m //

```

```

389 poolstat.1m //
390 ports.1m //
391 powerd.1m //
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.mdcmmmd.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.rwallld.1m //
451 rpc.smsserverd.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 smtnrddb.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.lm //
522 sysdef.lm //
523 syseventadm.lm //
524 syseventconfd.lm //
525 syseventd.lm //
526 syslogd.lm //
527 tapes.lm //
528 tcpd.lm //
529 tcpdchk.lm //
530 tcpdmatch.lm //
531 th_define.lm //
532 th_manage.lm //
533 tic.lm //
534 tnchkdb.lm //
535 tnctl.lm //
536 tnd.lm //
537 tninfo.lm //
538 tpmadm.lm //
539 traceroute.lm //
540 trapstat.lm //
541 ttyadm.lm //
542 ttymon.lm //
543 tunefts.lm //
544 txzonemgr.lm //
545 tzselect.lm //
546 uadmin.lm //
547 ucodeadm.lm //
548 ufsdump.lm //
549 ufsrestore.lm //
550 unshare.lm //
551 unshare_nfs.lm //
552 update_drv.lm //
553 updatehome.lm //
554 useradd.lm //
555 userdel.lm //
556 usermod.lm //
557 utmpd.lm //
558 uucheck.lm //
559 uucico.lm //
560 uucleanup.lm //
561 uusched.lm //
562 uuxqt.lm //
563 vmstat.lm //
564 volcopy.lm //
565 volcopy_ufs.lm //
566 vscanadm.lm //
567 vscand.lm //
568 wall.lm //
569 wanboot_keygen.lm //
570 wanboot_keygmt.lm //
571 wanboot_p12split.lm //
572 wanbootutil.lm //
573 whodo.lm //
574 wificonfig.lm //
575 wpad.lm //
576 wracct.lm //
577 wusbadm.lm //
578 ypbind.lm //
579 ypinit.lm //
580 ypmake.lm //
581 yppmap2src.lm //
582 yppoll.lm //
583 yppush.lm //
584 ypserv.lm //
585 ypset.lm //
586 ypstart.lm //

```

```

587 ypxfr.lm //
588 zdb.lm //
589 zdump.lm //
590 zfs.lm //
591 zic.lm //
592 zoneadm.lm //
593 zoneadm.lm //
594 zonecfg.lm //
595 zpool.lm //
596 zstreamdump.lm //

598 i386_MANFILES= //
599 lms.lm //

601 sparc_MANFILES= cvcd.lm //
602 dcs.lm //
603 drd.lm //
604 efdaemon.lm //
605 ldmadm.lm //
606 monitor.lm //
607 obpsym.lm //
608 oplhpd.lm //
609 prtddscpl.lm //
610 sckmd.lm //
611 sf880drd.lm //
612 vntsd.lm //

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

```

```

653         rexecd.lm           \
654         rlogind.lm          \
655         routed.lm           \
656         rshd.lm              \
657         rstatd.lm            \
658         rusersd.lm           \
659         rwall.lm             \
660         rwhod.lm             \
661         sa1.lm               \
662         sa2.lm               \
663         sadc.lm              \
664         shutacct.lm         \
665         sprayd.lm            \
666         startup.lm          \
667         talkd.lm            \
668         telinit.lm           \
669         telnetd.lm          \
670         tftpd.lm            \
671         turnacct.lm         \
672         umount.lm           \
673         umount_smbfs.lm     \
674         umountall.lm        \
675         unlink.lm           \
676         unshareall.lm       \
677         utmp2wtmp.lm        \
678         uucpd.lm             \
679         uutry.lm             \
680         wtmpfix.lm          \
681         yppasswdd.lm        \
682         ypstop.lm           \
683         yppupdated.lm       \
684         ypxfr_1perday.lm    \
685         ypxfr_1perhour.lm   \
686         ypxfr_2perday.lm    \
687         ypxfrd.lm           \

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

691 intro.lm        := LINKSRC = Intro.lm

693 uutry.lm        := LINKSRC = Uutry.lm

695 reject.lm       := LINKSRC = accept.lm

697 acctdisk.lm     := LINKSRC = acct.lm
698 acctdusg.lm     := LINKSRC = acct.lm
699 accton.lm        := LINKSRC = acct.lm
700 acctwtmp.lm     := LINKSRC = acct.lm
701 closewtmp.lm    := LINKSRC = acct.lm
702 utmp2wtmp.lm    := LINKSRC = acct.lm

704 acctcon1.lm     := LINKSRC = acctcon.lm
705 acctcon2.lm     := LINKSRC = acctcon.lm

707 acctprc1.lm     := LINKSRC = acctprc.lm
708 acctprc2.lm     := LINKSRC = acctprc.lm

710 chargefee.lm    := LINKSRC = acctsh.lm
711 ckpacct.lm      := LINKSRC = acctsh.lm
712 dodisk.lm       := LINKSRC = acctsh.lm
713 lastlogin.lm    := LINKSRC = acctsh.lm
714 monacct.lm      := LINKSRC = acctsh.lm
715 nulladm.lm      := LINKSRC = acctsh.lm
716 prctmp.lm       := LINKSRC = acctsh.lm
717 prdaily.lm      := LINKSRC = acctsh.lm
718 prtacct.lm      := LINKSRC = acctsh.lm

```

```

719 shutacct.lm    := LINKSRC = acctsh.lm
720 startup.lm     := LINKSRC = acctsh.lm
721 turnacct.lm    := LINKSRC = acctsh.lm

723 dcopy.lm       := LINKSRC = clri.lm

725 devfsadmd.lm  := LINKSRC = devfsadm.lm

727 fcadm.lm      := LINKSRC = fcinfo.lm

729 wtmpfix.lm     := LINKSRC = fwtmp.lm

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

734 hal-set-property.lm     := LINKSRC = hal-get-property.lm

736 poweroff.lm            := LINKSRC = halt.lm

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

752 telinit.lm             := LINKSRC = init.lm

754 kadmin.local.lm       := LINKSRC = kadmin.lm

756 unlink.lm             := LINKSRC = link.lm

758 metaonline.lm         := LINKSRC = metaoffline.lm

760 metadetach.lm        := LINKSRC = metattach.lm

762 umount.lm             := LINKSRC = mount.lm

764 umount_smbfs.lm      := LINKSRC = mount_smbfs.lm

766 umountall.lm         := LINKSRC = mountall.lm

768 grpck.lm              := LINKSRC = pwck.lm

770 quotaoff.lm          := LINKSRC = quotaon.lm

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

781 restricted_shell.lm   := LINKSRC = rsh.lm

783 sa1.lm                := LINKSRC = sar.lm
784 sa2.lm                := LINKSRC = sar.lm

```

```
785 sadc.lm           := LINKSRC = sar.lm
787 unshareall.lm    := LINKSRC = shareall.lm
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 Fri Sep 26 15:52:06 2014
new/usr/src/man/man1m/mailwrapper.1m
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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/mailler.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 ,
128 .Xr newaliases 1M ,
129 .Xr mailer.conf 4 ,
130 .Xr sendmail 1M
131 #endif /* ! codereview */
```

```

*****
5576 Fri Sep 26 15:52:06 2014
new/usr/src/man/man4/Makefile
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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 2013 Nexenta Systems, Inc. All rights reserved.
15 #
17 include      $(SRC)/Makefile.master
19 MANSECT=     4
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              autoofs.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 fhtab.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 fbtab.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)
```

```

*****
3309 Fri Sep 26 15:52:07 2014
new/usr/src/man/man4/mailler.conf.4
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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:
16 \." This product includes software developed for the NetBSD Project
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 1M ,
58 as would

```

```

59 .Xr newaliases 1M
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 1M
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 perry@piermont.com
108 #endif /* ! codereview */

```

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

1

```
*****
89821 Fri Sep 26 15:52:08 2014
new/usr/src/pkg/manifests/SUNWcs.mf
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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
```

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

2

```
59 dir path=etc/logadm.d group=sys
60 dir path=etc/mail group=mail
61 dir path=etc/net group=sys
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
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
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/repase
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/exact 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"
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=renamew
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/datems 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/keyser 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/dhgroup.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=renamew
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
392 file path=etc/modd 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/zsmon/_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=renameold
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 \
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/ttyrch 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/ipmapd 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/mfstscan 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
524 file path=lib/svc/manifest/network/rpc/bind.xml group=sys mode=0444
525 file path=lib/svc/manifest/network/rpc/keyserv.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/conslib-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
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-mscd 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/dhcpagent mode=0555
640 file path=sbin/dhcpinfo 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
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
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
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/pricntl 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
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/manlhas/edit.lhas
870 file path=usr/has/man/manlhas/ex.lhas
871 file path=usr/has/man/manlhas/sh.lhas
872 file path=usr/has/man/manlhas/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/$(ARCH64)/exacctsys group=sys mode=0755
920 file path=usr/kernel/sys/$(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/sharesfs/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
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/quotaoff 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/getoptcvr 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/JobsGrant.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
 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/RtInfilesMngmnt.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
 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/certrldb 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 \$(sparc_ONLY)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 \$(sparc_ONLY)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
 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/syseventconfd 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.kcfconf group=sys mode=0555
 1271 file path=usr/sadm/install/scripts/i.kmfconf 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.pkcs11conf 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.kcfconf group=sys mode=0555
 1277 file path=usr/sadm/install/scripts/r.kmfconf 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.pkcs11conf 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 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/add_drv group=sys mode=0555
 1283 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/modinfo group=sys mode=0555
 1284 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/modload group=sys mode=0555
 1285 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/modunload group=sys mode=0555
 1286 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/pbind group=sys mode=0555
 1287 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/prtconf group=sys mode=2555
 1288 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/psrset group=sys mode=0555
 1289 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/rem_drv group=sys mode=0555
 1290 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/swap group=sys mode=2555
 1291 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/sysdef group=sys mode=2555
 1292 \$(i386_ONLY)file path=usr/sbin/\${ARCH32}/update_drv group=sys mode=0555
 1293 \$(i386_ONLY)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
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/ipsecalgs 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/prtvoc group=sys mode=0555
1380 file path=usr/sbin/psradm group=sys mode=0555
1381 file path=usr/sbin/psrinfo group=sys mode=0555
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/2.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
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/dispuid target=../usr/bin/ckuid
1514 hardlink path=usr/bin/dispuid target=../usr/bin/ckuid
1515 hardlink path=usr/bin/edit target=../has/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/prksh target=../usr/bin/pfexec
1551 hardlink path=usr/bin/prksh93 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
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=../usr/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/quotao \
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/erryorn target=../usr/bin/ckyorn
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/helpyorn target=../usr/bin/ckyorn
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/valyorn target=../usr/bin/ckyorn
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
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/platexec
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 \
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/ftputers target=../ftpd/ftputers
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/prvtoc target=../usr/sbin/prvtoc
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=../var/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/uadmind target=../sbin/uadmind
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/$(ARCH32)/ksh93
1790 link path=sbin/su target=../usr/bin/su
1791 link path=usr/adm target=../var/adm
1792 link path=usr/bin/cachefspack target=../lib/fs/cachefs/cachefspack
1793 link path=usr/bin/cachefsstat target=../lib/fs/cachefs/cachefsstat
1794 link path=usr/bin/df target=../sbin/df
1795 link path=usr/bin/jsh target=ksh93
1796 link path=usr/bin/pwconv target=../sbin/pwconv
1797 link path=usr/bin/rmail target=../mail
1798 link path=usr/bin/sh target=$(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/devfsadmd 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/hsfs/mount target=../etc/fs/hsfs/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/wusbcd 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/cachefslog target=../lib/fs/cachefs/cachefslog
1830 link path=usr/sbin/cachefswssize target=../lib/fs/cachefs/cachefswssize
1831 link path=usr/sbin/cfsadmin target=../lib/fs/cachefs/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 $(i386_ONLY)link path=usr/sbin/installgrub target=../sbin/installgrub
1850 link path=usr/sbin/ipadm target=../sbin/ipadm
1851 link path=usr/sbin/impstat target=../sbin/impstat
1852 link path=usr/sbin/labelit target=./clri
1853 link path=usr/sbin/lockfs target=../lib/fs/ufs/lockfs
1854 link path=usr/sbin/mkfs target=./clri
1855 link path=usr/sbin/mount target=../sbin/mount
1856 link path=usr/sbin/ncheck target=./ff
1857 link path=usr/sbin/newfs target=../lib/fs/ufs/newfs
1858 link path=usr/sbin/quot target=../lib/fs/ufs/quot
1859 link path=usr/sbin/quota target=../lib/fs/ufs/quota
1860 link path=usr/sbin/quotacheck target=../lib/fs/ufs/quotacheck
1861 link path=usr/sbin/quotaoff target=../lib/fs/ufs/quotaoff
1862 link path=usr/sbin/quotaoon target=../lib/fs/ufs/quotaoon
1863 link path=usr/sbin/repquota target=../lib/fs/ufs/repquota
1864 link path=usr/sbin/route target=../sbin/route
1865 link path=usr/sbin/routeadm target=../sbin/routeadm
1866 link path=usr/sbin/sync target=../sbin/sync
1867 link path=usr/sbin/tunefs target=../lib/fs/ufs/tunefs
1868 link path=usr/sbin/tzreload target=../sbin/tzreload
1869 link path=usr/sbin/uadmin target=../sbin/uadmin
1870 link path=usr/sbin/ufsdump target=../lib/fs/ufs/ufsdump
1871 link path=usr/sbin/ufsrestore target=../lib/fs/ufs/ufsrestore
1872 link path=usr/sbin/umount target=../sbin/umount
1873 link path=usr/sbin/wusbadm target=../sbin/wusbadm
1874 link path=usr/spool target=./var/spool
1875 link path=usr/src target=./share/src
1876 link path=usr/tmp target=./var/tmp
1877 link path=var/ld/32 target=.
1878 link path=var/ld/64 target=$(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 /usr/lib/sendmail provided by mailwrapper
1905 #
1906 depend fmri=system/network/mailwrapper type=require

```

```

1907 #endif /* ! codereview */

```

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

1

```
*****
10764 Fri Sep 26 15:52:08 2014
new/usr/src/pkg/manifests/developer-build-onbld.mf
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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
```

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

2

```
59 $(i386_ONLY)file path=opt/onbld/bin/$(ARCH)/aw mode=0555
60 $(sparc_ONLY)file path=opt/onbld/bin/$(ARCH)/chk4ubin mode=0555
61 file path=opt/onbld/bin/$(ARCH)/codereview mode=0555
62 file path=opt/onbld/bin/$(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/bldenv 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/scscscheck.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/smtp/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 Fri Sep 26 15:52:09 2014
new/usr/src/pkg/manifests/service-network-smtp-sendmail.mf
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
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/mailler 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
```

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

2

```
59 dir path=usr/lib/smtp
60 dir path=usr/lib/smtp/sendmail
61 #endif /* ! codereview */
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=smmisp mode=0770 owner=smmisp
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/domainable.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/maillertable.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/queuegroup.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/libmilter.ln
185 file path=usr/lib/mail.local mode=0555
186 file path=usr/lib/smrsh mode=0555
187 file path=usr/lib/smtp/sendmail/mailq mode=4555
188 file path=usr/lib/smtp/sendmail/sendmail group=smsp mode=2555

```

```

189 #endif /* ! codereview */
190 file path=usr/sbin/check-hostname group=mail mode=0555
191 file path=usr/sbin/check-permissions group=mail mode=0555
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=SUNWsndmu 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/mail/cf/cf/main.cf target=sendmail.cf
222 link path=etc/mail/cf/cf/main.mc target=sendmail.mc
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/perl$(PERL_PKGVERS) type=require

```

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

1

1758 Fri Sep 26 15:52:10 2014

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

5166 sendmail package should be replaceable

Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>

Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>

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

```
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 Fri Sep 26 15:52:10 2014
new/usr/src/tools/scripts/hgsetup.sh
5166 sendmail package should be replaceable
Reviewed by: Hans Rosenfeld <hans.rosenfeld@nexenta.com>
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Toomas Soome <tsoome@me.com>
*****
_____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
```

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

2

```
118     proxyConfig="[http_proxy]"
119     host=$proxy
120 "
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
```


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

3

```
182 style=$style_path
183 EOF

185 if [[ -n $merge_path ]]; then
186     echo "merge=$merge_path" >> $HGRC
187 fi

189 echo "Please check $HGRC and verify everything looks correct"
```