

new/usr/src/cmd/Adm/sun/Makefile

1

```
*****
2146 Fri Aug 15 19:22:03 2014
new/usr/src/cmd/Adm/sun/Makefile
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>
*****

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24 #

26 ETCFILES= iocctl.syscon passwd shadow motd
27 FTPDFILES= ftpusers
28 #endif /* ! codereview */
29 KVMFILES= README
30 SMBFILES= smbpasswd

32 include ../../Makefile.cmd

34 ROOTETCFILES= $(ETCFILES:%=$(ROOTETC)/%)
35 ROOTETCFTPDFILES= $(FTPDFILES:%=$(ROOTETCFTP)/%)
36 #endif /* ! codereview */
37 ROOTUSRKVMFILES= $(KVMFILES:%=$(ROOTUSRKVM)/%)
38 ROOTVARSMBFILES= $(SMBFILES:%=$(ROOTVARSMB)/%)

40 FILEMODE= 0644

42 ROOTETCFTPUSERSLINK= $(ROOTETC)/ftpusers

44 #endif /* ! codereview */
45 $(ROOTETC)/shadow := FILEMODE = 400
46 $(ROOTVARSMB)/smbpasswd := FILEMODE = 0400

49 #endif /* ! codereview */
50 .KEEP_STATE:

52 $(ROOTETCFTPUSERSLINK): $(ROOTETCFTPDFILES)
53 $(SYMLINK) ftpd/ftpusers $@
```

new/usr/src/cmd/Adm/sun/Makefile

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```
55 all: $(ETCFILES) $(KVMFILES) $(SMBFILES) $(FTPDFILES)
27 all: $(ETCFILES) $(KVMFILES) $(SMBFILES)

57 install: all $(ROOTETCFILES) $(ROOTETCFTPDFILES) $(ROOTUSRKVMFILES) $(ROOTVARSMB)
29 install: all $(ROOTETCFILES) $(ROOTUSRKVMFILES) $(ROOTVARSMBFILES)

59 clean:
60 $(RM) $(ROOTETCFTPUSERSLINK)
61 #endif /* ! codereview */

63 lint:

65 clobber:

67 motd: FRC
68 @-$(ECHO) "rebuilding motd"
69 @$ (RELEASE_BUILD)-$(ECHO) "The Illumos Project\tSunOS $(RELEASE)\t$(VERS
70 @$ (NOT_RELEASE_BUILD)-$(ECHO) "The Illumos Project\tSunOS $(RELEASE)\t$(
71 @$ (NOT_RELEASE_BUILD)-$(ECHO) $(DEV_CM) | sed -e "s/(@#)/" >> motd
72 @-$(CAT) release_info >> motd

74 smbpasswd:
75 $(TOUCH) smbpasswd

77 clean:

79 lint:

81 clobber:
82 $(RM) motd smbpasswd

84 FRC:
```

new/usr/src/cmd/Makefile.check

1

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21 #
22 # Copyright (c) 2009, 2010, Oracle and/or its affiliates. All rights reserved.
23 #
24 include ../Makefile.master
25 #
26 #
27 # Commands providing manifests must offer a check target. A recursive check
28 # target across all commands directories is not currently provided.
29 #
30 MANIFEST_TOPDIRS=
31 acctadm \
32 auditd \
33 bnu \
34 consadm \
35 coreadm \
36 cron \
37 cvcd \
38 dispadmin \
39 drd \
40 dumpadm \
41 fcinfo \
42 fcoesvc \
43 fm \
44 ibd_upgrade \
45 intrd \
46 iscsid \
47 iscsitsvc \
48 kbd \
49 keyerv \
50 ldapcachemgr \
51 ldmd \
52 lms \
53 dlmgmt \
54 ndmpd \
```

new/usr/src/cmd/Makefile.check

2

```
55 nscd \
56 oplhpd \
57 pools \
58 power \
59 rexd \
60 rmvolmgr \
61 rpcbind \
62 rpcsvc \
63 sa \
64 saf \
65 sckmd \
66 sf880drd \
67 smserverd \
68 stmfproxy \
69 stmfsvc \
70 stmsboot \
71 syseventd \
72 syslogd \
73 utmpd \
74 vntsd \
75 ypcmd \
76 zoneadm \
77 zoneadmd \
78 #
79 MANIFEST_SUBDIRS=
80 boot/scripts \
81 cmd-crypto/scripts \
82 cmd-inet/usr.lib/ilbd \
83 cmd-inet/usr.lib/in.chargend \
84 cmd-inet/usr.lib/in.daytimed \
85 cmd-inet/usr.lib/in.dhcpd \
86 cmd-inet/usr.lib/in.discardd \
87 cmd-inet/usr.lib/in.echod \
88 cmd-inet/usr.lib/in.ndpd \
89 cmd-inet/usr.lib/in.ripngd \
90 cmd-inet/usr.lib/in.timed \
91 cmd-inet/usr.lib/inetd \
92 cmd-inet/usr.lib/mdnsd \
93 cmd-inet/usr.lib/slpd \
94 cmd-inet/usr.lib/vrrpd \
95 cmd-inet/usr.lib/wpad \
96 cmd-inet/usr.sbin \
97 cmd-inet/usr.sbin/in.ftpd \
98 cmd-inet/usr.sbin/in.rdisc \
99 cmd-inet/usr.sbin/in.routed \
100 cmd-inet/usr.sbin/in.talkd \
101 cmd-inet/usr.sbin/ipsecutils \
102 cmd-inet/usr.sbin/kssl/ksslcfg \
103 cmd-inet/usr.sbin/routeadm \
104 dcs/sparc/sun4u \
105 dfs.cmds/sharemgr \
106 fs.d/autofs \
107 fs.d/nfs/svc \
108 fs.d/smbclnt/svc \
109 gss/gssd \
110 hal/addons/network-devices \
111 hal/hald/solaris \
112 halt/smf.$(MACH) \
113 hostid/smf \
114 idmap/idmapd \
115 ipf/svc \
116 isns/isnsd \
117 krb5/kadmin/server \
118 krb5/krb5kdc \
119 krb5/kwarn \
120 krb5/slave \
```

new/usr/src/cmd/Makefile.check

3

```
120      lp/cmd/lpsched      \
121      lvm/rpc.mdcommd     \
122      lvm/rpc.metad       \
123      lvm/rpc.metamedd    \
124      lvm/rpc.metamhd     \
125      lvm/md_monitord     \
126      lvm/util            \
127      picl/picld          \
128      pools/poold         \
129      print/bsd-sysv-commands \
130      print/ppdmgr        \
131      rcap/rcapd          \
132      rpcsvc/rpc.bootparam \
133      sendmail/lib        \
134      smbfs/smbd          \
135      ssh/etc             \
136      svc/milestone       \
137      tsol/labeld         \
138      tsol/tmct1          \
139      tsol/tnd            \
140      tsol/tsol-zones      \
141      vscan/vscand        \
142      xvm/ipagent         \
143      ypcmd/yppasswd      \
144      ypcmd/ypupdated     \
145      zonestat/zonestatd  \

147 MISC_SUBDIRS= \
148      dtrace/test/tst \
149      sgs

151 .KEEP_STATE:

153 # Manifests cannot be checked in parallel, because we are using the global
154 # repository that is in $(SRC)/cmd/svc/seed/global.db. This is a
155 # repository that is built from the manifests in this workspace, whereas
156 # the build machine's repository may be out of sync with these manifests.
157 # Because we are using a private repository, svccfg-native must start up a
158 # private copy of configd-native. We cannot have multiple copies of
159 # configd-native trying to access global.db simultaneously.

161 .NO_PARALLEL:

163 check: svccfg_check $(MANIFEST_TOPDIRS) $(MANIFEST_SUBDIRS) $(MISC_SUBDIRS)

165 svccfg_check:
166     @$(ECHO) "building requirements for svccfg_check ..."; \
167     (cd $(SRC)/cmd/svc/seed && pwd && $(MAKE) $(MFLAGS) global.db)

169 $(MANIFEST_TOPDIRS) $(MANIFEST_SUBDIRS) $(MISC_SUBDIRS): FRC
170     @cd $@; pwd; $(MAKE) check

172 FRC:
```

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23 #
24 # Definitions common to command source.
25 #
26 # include global definitions; SRC should be defined in the shell.
27 # SRC is needed until RFE 1026993 is implemented.

29 include $(SRC)/Makefile.master

31 LN=      ln
32 SH=      sh
33 ECHO=    echo
34 MKDIR=   mkdir
35 TOUCH=   touch

37 FILEMODE= 0555
38 LIBFILEMODE= 0444
39 XPG4=     $(XPG4PROG:%=%.xpg4)
40 XPG6=     $(XPG6PROG:%=%.xpg6)

42 KRB5DIR=  $(ROOT)/usr
43 KRB5BIN=  $(KRB5DIR)/bin
44 KRB5SBIN= $(KRB5DIR)/sbin
45 KRB5LIB=  $(KRB5DIR)/lib/krb5
46 KRB5RUNPATH= /usr/lib/krb5
47 GSSRUNPATH= /usr/lib/gss

50 ROOTBIN=  $(ROOT)/usr/bin
51 ROOTLIB=  $(ROOT)/usr/lib
52 ROOTLIBSVCBIN= $(ROOT)/lib/svc/bin
53 ROOTLIBSVCMETHOD= $(ROOT)/lib/svc/method
54 ROOTLIBXEN= $(ROOT)/usr/lib/xen/bin
```

new/usr/src/cmd/Makefile.cmd

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```
55 ROOTLIBZONES= $(ROOT)/lib/zones

57 ROOTSHLIB= $(ROOT)/usr/share/lib
58 ROOTPKGGIN= $(ROOT)/usr/sadm/install/bin
59 ROOTCLASS_SCR_DIR= $(ROOT)/usr/sadm/install/scripts
60 ROOTADMIN_SRC_DIR= $(ROOT)/var/sadm/install/admin

62 ROOTSHLIBCCS= $(ROOTSHLIB)/ccs
63 ROOTSBIN= $(ROOT)/sbin
64 ROOTUSRSBIN= $(ROOT)/usr/sbin
65 ROOTETC= $(ROOT)/etc

67 ROOTETCSECURITY= $(ROOTETC)/security
68 ROOTETCTSQL= $(ROOTETCSECURITY)/tsol
69 ROOTETCSECLIB= $(ROOTETCSECURITY)/lib
70 ROOTETCZONES= $(ROOTETC)/zones

72 ROOTETCFDTPD= $(ROOT)/etc/ftpd
73 #endif /* ! codereview */
74 ROOTETCINET= $(ROOT)/etc/inet
75 ROOTCCSBIN= $(ROOT)/usr/ccs/bin
76 ROOTCCSBIN64= $(ROOTCCSBIN)/$(MACH64)
77 ROOTCCSBINLINKDIR= $(ROOT)/../..bin
78 ROOTCCSBINLINKDIR64= $(ROOT)/../..bin/$(MACH)
79 ROOTUSRKVM= $(ROOT)/usr/kvm
80 ROOTHAS= $(ROOT)/usr/has
81 ROOTHASBIN= $(ROOT)/usr/has/bin
82 ROOTHASLIB= $(ROOT)/usr/has/lib
83 ROOTXPG4= $(ROOT)/usr/xpg4
84 ROOTXPG4BIN= $(ROOT)/usr/xpg4/bin
85 ROOTXPG4BIN32= $(ROOTXPG4BIN)/$(MACH32)
86 ROOTXPG4BIN64= $(ROOTXPG4BIN)/$(MACH64)
87 ROOTXPG6= $(ROOT)/usr/xpg6
88 ROOTXPG6BIN= $(ROOT)/usr/xpg6/bin
89 ROOTLOCALEDEF= $(ROOT)/usr/lib/localedef
90 ROOTCHARMAP= $(ROOTLOCALEDEF)/charmap
91 ROOTI18NEXT= $(ROOTLOCALEDEF)/extensions
92 ROOTI18NEXT64= $(ROOTLOCALEDEF)/extensions/$(MACH64)
93 ROOTBIN32= $(ROOTBIN)/$(MACH32)
94 ROOTBIN64= $(ROOTBIN)/$(MACH64)
95 ROOTCDDIR64= $(ROOTCDDIR)/$(MACH64)
96 ROOTLIB64= $(ROOTLIB)/$(MACH64)
97 ROOTUSRSBIN32= $(ROOTUSRSBIN)/$(MACH32)
98 ROOTUSRSBIN64= $(ROOTUSRSBIN)/$(MACH64)
99 ROOTMAN= $(ROOT)/usr/share/man
100 ROOTMAN1= $(ROOTMAN)/man1
101 ROOTMAN1M= $(ROOTMAN)/man1m
102 ROOTMAN3= $(ROOTMAN)/man3
103 ROOTVARSMB= $(ROOT)/var/smb

106 #
107 # Like ROOTLIBDIR in $(SRC)/Makefile.lib, any lower-level Makefiles that
108 # put their binaries in a non-standard location should reset this and use
109 # $(ROOTCMD) in their 'install' target. By default we set this to a bogus
110 # value so that it will not conflict with any of the other values already
111 # defined in this Makefile.
112 #
113 ROOTCDDIR= $(ROOT)/__nonexistent_directory__

115 ROOTSHAUDIO= $(ROOT)/usr/share/audio
116 ROOTAUDIOAMP= $(ROOTSHAUDIO)/samples
117 ROOTAUDIOAMP= $(ROOTAUDIOAMP)/au

119 ISAEXEC= $(ROOT)/usr/lib/isaexec
120 PLATEXEC= $(ROOT)/usr/lib/platexec
```

```

122 LDLIBS = $(LDLIBS.cmd)

124 LDFLAGS.cmd = \
125 $(BDDIRECT) $(ENVLDLAGS1) $(ENVLDLAGS2) $(ENVLDLAGS3) \
126 $(MAPFILE.NES:%=-M%) $(MAPFILE.PGA:%=-M%) $(MAPFILE.NED:%=-M%)

128 LDLAGS = $(LDLAGS.cmd)

130 LINTFLAGS= -axsm
131 LINTFLAGS64= -axsm -m64
132 LINTOUT= lint.out

134 KRB5PROG= $(PROG:%=$(KRB5BIN)/%)
135 KRB5SBINPROG= $(PROG:%=$(KRB5SBIN)/%)
136 KRB5LIBPROG= $(PROG:%=$(KRB5LIB)/%)

138 ROOTPROG= $(PROG:%=$(ROOTBIN)/%)
139 ROOTCMD= $(PROG:%=$(ROOTCMDIR)/%)
140 ROOTSHFILES= $(SHFILES:%=$(ROOTBIN)/%)
141 ROOTLIBPROG= $(PROG:%=$(ROOTLIB)/%)
142 ROOTLIBSHFILES= $(SHFILES:%=$(ROOTLIB)/%)
143 ROOTSHLIBPROG= $(PROG:%=$(ROOTSHLIB)/%)
144 ROOTSBINPROG= $(PROG:%=$(ROOTSBIN)/%)
145 ROOTPKGGBINPROG= $(PROG:%=$(ROOTPKGGBIN)/%)
146 ROOTCLASS_SCR_FILES= $(SCRIPTS:%=$(ROOTCLASS_SCR_DIR)/%)
147 ROOTUSRSBINPROG= $(PROG:%=$(ROOTUSRSBIN)/%)
148 ROOTUSRSBINSCRIPT= $(SCRIPT:%=$(ROOTUSRSBIN)/%)
149 ROOTETCPROG= $(PROG:%=$(ROOTETC)/%)
150 ROOTHASBINPROG= $(PROG:%=$(ROOTHASBIN)/%)
151 ROOTHASLIBPROG= $(PROG:%=$(ROOTHASLIB)/%)
152 ROOTCCSBINPROG= $(PROG:%=$(ROOTCCSBIN)/%)
153 ROOTCCSBINPROG64= $(PROG:%=$(ROOTCCSBIN64)/%)
154 ROOTCCSBINLINK= $(PROG:%=$(ROOTCCSBINLINKDIR)/%)
155 ROOTCCSBINLINK64= $(PROG:%=$(ROOTCCSBINLINKDIR64)/%)
156 ROOTUSRKVMPROG= $(PROG:%=$(ROOTUSRKVM)/%)
157 ROOTXPG4PROG= $(XPG4PROG:%=$(ROOTXPG4BIN)/%)
158 ROOTXPG4PROG32= $(XPG4PROG:%=$(ROOTXPG4BIN32)/%)
159 ROOTXPG4PROG64= $(XPG4PROG:%=$(ROOTXPG4BIN64)/%)
160 ROOTXPG6PROG= $(XPG6PROG:%=$(ROOTXPG6BIN)/%)
161 ROOTLOCALEPROG= $(PROG:%=$(ROOTLOCALEDEF)/%)
162 ROOTPROG64= $(PROG:%=$(ROOTBIN64)/%)
163 ROOTPROG32= $(PROG:%=$(ROOTBIN32)/%)
164 ROOTCMD64= $(PROG:%=$(ROOTCMDIR64)/%)
165 ROOTUSRSBINPROG32= $(PROG:%=$(ROOTUSRSBIN32)/%)
166 ROOTUSRSBINPROG64= $(PROG:%=$(ROOTUSRSBIN64)/%)
167 ROOTMAN1FILES= $(MAN1FILES:%=$(ROOTMAN1)/%)
168 $(ROOTMAN1FILES) := FILEMODE= 444
169 ROOTMAN1MFILES= $(MAN1MFILES:%=$(ROOTMAN1M)/%)
170 $(ROOTMAN1MFILES) := FILEMODE= 444
171 ROOTMAN3FILES= $(MAN3FILES:%=$(ROOTMAN3)/%)
172 $(ROOTMAN3FILES) := FILEMODE= 444

174 # Symlink rules for /usr/ccs/bin commands. Note, those commands under
175 # the rule of the linker area, are controlled by a different set of
176 # rules defined in $(SRC)/cmd/sgs/Makefile.var.

178 INS.ccsbinlink= \
179 $(RM) $(ROOTCCSBINPROG); \
180 $(SYMLINK) ../../bin/$(PROG) $(ROOTCCSBINPROG)

182 INS.ccsbinlink64= \
183 $(RM) $(ROOTCCSBINPROG64); \
184 $(SYMLINK) ../../bin/$(MACH64)/$(PROG) $(ROOTCCSBINPROG64)

186 ROOTETCDEFAULT= $(ROOTETC)/default

```

```

187 ROOTETCDEFAULTFILES= $(DEFAULTFILES:%.dfl=$(ROOTETCDEFAULT)/%)
188 $(ROOTETCDEFAULTFILES) := FILEMODE = 0644

190 ROOTETCSECFILES= $(ETCSECFILES:%=$(ROOTETCSECURITY)/%)
191 $(ROOTETCSECFILES) := FILEMODE = 0644

193 ROOTETCTSOLFILES= $(ETCTSOLFILES:%=$(ROOTETCTSOL)/%)
194 $(ROOTETCTSOLFILES) := FILEMODE = 0644

196 ROOTETCSECLIBFILES= $(ETCSECLIBFILES:%=$(ROOTETCSECLIB)/%)

198 ROOTETCZONESFILES= $(ETCZONESFILES:%=$(ROOTETCZONES)/%)
199 $(ROOTETCZONESFILES) := FILEMODE = 0444

201 ROOTLIBZONESFILES= $(LIBZONESFILES:%=$(ROOTLIBZONES)/%)
202 $(ROOTLIBZONESFILES) := FILEMODE = 0555

204 ROOTADMIN_SRC_FILE= $(ADMINFILE:%=$(ROOTADMIN_SRC_DIR)/%)
205 $(ROOTADMIN_SRC_FILE) := FILEMODE = 0444

207 #
208 # Directories for smf(5) service manifests and profiles.
209 #
210 ROOTSVC= $(ROOT)/lib/svc
211 ROOTETCSVC= $(ROOT)/etc/svc

213 ROOTSVCMANIFEST= $(ROOTSVC)/manifest
214 ROOTSVCPROFILE= $(ROOTETCSVC)/profile

216 ROOTSVCMIESTONE= $(ROOTSVCMANIFEST)/milestone
217 ROOTSVCDEVICE= $(ROOTSVCMANIFEST)/device
218 ROOTSVCSYSTEM= $(ROOTSVCMANIFEST)/system
219 ROOTSVCSYSTEMDEVICE= $(ROOTSVCSYSTEM)/device
220 ROOTSVCSYSTEMFILESYSTEM= $(ROOTSVCSYSTEM)/filesystem
221 ROOTSVCSYSTEMSECURITY= $(ROOTSVCSYSTEM)/security
222 ROOTSVCNETWORK= $(ROOTSVCMANIFEST)/network
223 ROOTSVCNETWORKDNS= $(ROOTSVCNETWORK)/dns
224 ROOTSVCNETWORKISCSI= $(ROOTSVCNETWORK)/iscsi
225 ROOTSVCNETWORKLDAP= $(ROOTSVCNETWORK)/ldap
226 ROOTSVCNETWORKNFS= $(ROOTSVCNETWORK)/nfs
227 ROOTSVCNETWORKNIS= $(ROOTSVCNETWORK)/nis
228 ROOTSVCNETWORKROUTING= $(ROOTSVCNETWORK)/routing
229 ROOTSVCNETWORKRPC= $(ROOTSVCNETWORK)/rpc
230 ROOTSVCNETWORKSMB= $(ROOTSVCNETWORK)/smb
231 ROOTSVCNETWORKSECURITY= $(ROOTSVCNETWORK)/security
232 ROOTSVCNETWORKSSL= $(ROOTSVCNETWORK)/ssl
233 ROOTSVCNETWORKIPSEC= $(ROOTSVCNETWORK)/ipsec
234 ROOTSVCNETWORKSHARES= $(ROOTSVCNETWORK)/shares
235 ROOTSVCSMB= $(ROOTSVCNETWORK)/smb
236 ROOTSVCPLATFORM= $(ROOTSVCMANIFEST)/platform
237 ROOTSVCPLATFORMSUN4U= $(ROOTSVCPLATFORM)/sun4u
238 ROOTSVCPLATFORMSUN4V= $(ROOTSVCPLATFORM)/sun4v
239 ROOTSVCAPPLICATION= $(ROOTSVCMANIFEST)/application
240 ROOTSVCAPPLICATIONMANAGEMENT= $(ROOTSVCAPPLICATION)/management
241 ROOTSVCAPPLICATIONSECURITY= $(ROOTSVCAPPLICATION)/security
242 ROOTSVCAPPLICATIONPRINT= $(ROOTSVCAPPLICATION)/print

244 #
245 # Commands Makefiles delivering a manifest are expected to define MANIFEST.
246 #
247 # Like ROOTCMDIR, any lower-level Makefiles that put their manifests in a
248 # subdirectory of the manifest directories listed above should reset
249 # ROOTMANIFESTDIR and use it in their 'install' target. By default we set this
250 # to a bogus value so that it will not conflict with any of the other values
251 # already defined in this Makefile.
252 #

```

```

253 # The manifest validation of the $SRC/cmd check target is also derived from a
254 # valid MANIFEST setting.
255 #
256 ROOTMANIFESTDIR=      $(ROOTSVCMANIFEST)/__nonexistent_directory__
257 ROOTMANIFEST=         $(MANIFEST:%=$(ROOTMANIFESTDIR)/%)
258 CHKMANIFEST=          $(MANIFEST:%.xml=%.xmlchk)
259
260 # Manifests cannot be checked in parallel, because we are using the global
261 # repository that is in $(SRC)/cmd/svc/seed/global.db. This is a
262 # repository that is built from the manifests in this workspace, whereas
263 # the build machine's repository may be out of sync with these manifests.
264 # Because we are using a private repository, svccfg-native must start up a
265 # private copy of configd-native. We cannot have multiple copies of
266 # configd-native trying to access global.db simultaneously.
267
268 .NO_PARALLEL:    $(CHKMANIFEST)
269
270 #
271 # For installing "starter scripts" of services
272 #
273
274 ROOTSVCMETHOD=      $(SVCMETHOD:%=$(ROOTLIBSVCMETHOD)/%)
275
276 ROOTSVCBINDIR=      $(ROOTLIBSVCBIN)/__nonexistent_directory__
277 ROOTSVCBIN=         $(SVCBIN:%=$(ROOTSVCBINDIR)/%)
278
279 #
280
281 # For programs that are installed in the root filesystem,
282 # build $(ROOTFS_PROG) rather than $(PROG)
283 $(ROOTFS_PROG) := LDFLAGS += -Wl,-I/lib/ld.so.1
284
285 $(KRB5BIN)/%: %
286     $(INS.file)
287
288 $(KRB5SBIN)/%: %
289     $(INS.file)
290
291 $(KRB5LIB)/%: %
292     $(INS.file)
293
294 $(ROOTBIN)/%: %
295     $(INS.file)
296
297 $(ROOTLIB)/%: %
298     $(INS.file)
299
300 $(ROOTBIN64)/%: %
301     $(INS.file)
302
303 $(ROOTLIB64)/%: %
304     $(INS.file)
305
306 $(ROOTBIN32)/%: %
307     $(INS.file)
308
309 $(ROOTSHLIB)/%: %
310     $(INS.file)
311
312 $(ROOTPKGBIN)/%: %
313     $(INS.file)
314
315 $(ROOTCLASS_SCR_DIR)/%: %
316     $(INS.file)
317
318 $(ROOTADMIN_SRC_DIR)/%: %

```

```

319     $(INS.file)
320
321 $(ROOTSBIN)/%: %
322     $(INS.file)
323
324 $(ROOTUSRSBIN)/%: %
325     $(INS.file)
326
327 $(ROOTUSRSBIN32)/%: %
328     $(INS.file)
329
330 $(ROOTUSRSBIN64)/%: %
331     $(INS.file)
332
333 $(ROOTETC)/%: %
334     $(INS.file)
335
336 $(ROOTETCFTPD)/%: %
337     $(INS.file)
338
339 #endif /* ! codereview */
340 $(ROOTETCINET)/%: %
341     $(INS.file)
342
343 $(ROOTETCDEFAULT)/%: %
344     $(INS.rename) % .df1
345
346 $(ROOTETCTSOL)/%: %
347     $(INS.file)
348
349 $(ROOTETCSECLIB)/%: %
350     $(INS.file)
351
352 $(ROOTETCZONES)/%: %
353     $(INS.file)
354
355 $(ROOTLIBZONES)/%: %
356     $(INS.file)
357
358 $(ROOTLIBXEN)/%: %
359     $(INS.file)
360
361 $(ROOTHASBIN)/%: %
362     $(INS.file)
363
364 $(ROOTHASLIB)/%: %
365     $(INS.file)
366
367 $(ROOTUSRKVM)/%: %
368     $(INS.file)
369
370 $(ROOTXPG4BIN)/%: %
371     $(INS.rename) % .xpg4
372
373 $(ROOTXPG4BIN32)/%: %
374     $(INS.rename) % .xpg4
375
376 $(ROOTXPG4BIN64)/%: %
377     $(INS.rename) % .xpg4
378
379 $(ROOTXPG6BIN)/%: %
380     $(INS.rename) % .xpg6
381
382 $(ROOTLOCALEDEF)/%: %
383     $(INS.file)

```

new/usr/src/cmd/Makefile.cmd

7

```
385 $(ROOTCHARMAP)/%: %
386     $(INS.file)

388 $(ROOTI18NEXT)/%: %
389     $(INS.file)

391 $(ROOTI18NEXT64)/%: %
392     $(INS.file)

394 $(ROOTLIBSVCMETHOD)/%: %
395     $(INS.file)

397 $(ROOTLIBSVCBIN)/%: %
398     $(INS.file)

400 $(ROOTSVCMILESTONE)/%: %
401     $(INS.file)

403 $(ROOTSVCDEVICE)/%: %
404     $(INS.file)

406 $(ROOTSVCSYSTEM)/%: %
407     $(INS.file)

409 $(ROOTSVCSYSTEMDEVICE)/%: %
410     $(INS.file)

412 $(ROOTSVCSYSTEMFILESYSTEM)/%: %
413     $(INS.file)

415 $(ROOTSVCSYSTEMSECURITY)/%: %
416     $(INS.file)

418 $(ROOTSVCNETWORK)/%: %
419     $(INS.file)

421 $(ROOTSVCNETWORKLDAP)/%: %
422     $(INS.file)

424 $(ROOTSVCNETWORKNFS)/%: %
425     $(INS.file)

427 $(ROOTSVCNETWORKNIS)/%: %
428     $(INS.file)

430 $(ROOTSVCNETWORKRPC)/%: %
431     $(INS.file)

433 $(ROOTSVCNETWORKSECURITY)/%: %
434     $(INS.file)

436 $(ROOTSVCNETWORKSSL)/%: %
437     $(INS.file)

439 $(ROOTSVCNETWORKIPSEC)/%: %
440     $(INS.file)

442 $(ROOTSVCNETWORKSHARES)/%: %
443     $(INS.file)

445 $(ROOTSVCNETWORKSMB)/%: %
446     $(INS.file)

448 $(ROOTSVCAPPLICATION)/%: %
449     $(INS.file)
```

new/usr/src/cmd/Makefile.cmd

8

```
451 $(ROOTSVCAPPLICATIONMANAGEMENT)/%: %
452     $(INS.file)

454 $(ROOTSVCAPPLICATIONSECURITY)/%: %
455     $(INS.file)

457 $(ROOTSVCAPPLICATIONPRINT)/%: %
458     $(INS.file)

460 $(ROOTSVCPLATFORM)/%: %
461     $(INS.file)

463 $(ROOTSVCPLATFORMSUN4U)/%: %
464     $(INS.file)

466 $(ROOTSVCPLATFORMSUN4V)/%: %
467     $(INS.file)

469 # Install rule for gprof, yacc, and lex dependency files
470 $(ROOTSHLIBCCS)/%: ../common/%
471     $(INS.file)

473 $(ROOTCCSBINLINKDIR)/%: %
474     $(INS.ccsbinlink)

476 $(ROOTCCSBINLINKDIR64)/%: %
477     $(INS.ccsbinlink64)

479 $(ROOTMAN1)/%: %.sunman
480     $(INS.rename)

482 $(ROOTMAN1M)/%: %.sunman
483     $(INS.rename)

485 $(ROOTMAN3)/%: %.sunman
486     $(INS.rename)

488 $(ROOTVARSMB)/%: %
489     $(INS.file)

491 # build rule for statically linked programs with single source file.
492 %.static: %.c
493     $(LINK.c) -o $@ $< $(LDLIBS)
494     $(POST_PROCESS)

496 %.xpg4: %.c
497     $(LINK.c) -o $@ $< $(LDLIBS)
498     $(POST_PROCESS)

500 %.xpg6: %.c
501     $(LINK.c) -o $@ $< $(LDLIBS)
502     $(POST_PROCESS)

504 # Define the majority text domain in this directory.
505 TEXT_DOMAIN= SUNW_OST_OSCMD

507 CLOBBERFILES += $(XP64) $(XP66) $(DCFILE)

509 # This flag is for programs which should not build a 32-bit binary
510 sparc_64ONLY= $(POUND_SIGN)
511 64ONLY=    $($(MACH)_64ONLY)
```

new/usr/src/cmd/cmd-inet/usr.sbin/Makefile

1

8650 Fri Aug 15 19:22:05 2014
new/usr/src/cmd/cmd-inet/usr.sbin/Makefile
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
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Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
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```
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) 1990, 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25
26 SYNCPROG=      syncinit syncloop syncstat
27 DHCPPROGRAM=   dhcpconfig dhtadm pntadm
28
29 PROG=          6to4relay arp gettable if_mpadm \
30                in.comsat in.fingerd in.rarpd in.rexecd in.rlogind \
31                in.rshd in.rwhod in.telnetd in.tftpd ipaddrsel \
32                ndd $(SYNCPROG) $(DHCPPROGRAM) wanbootutil
33
34 MANIFEST=      rarp.xml telnet.xml comsat.xml finger.xml \
35                login.xml shell.xml rexec.xml socket-filter-kssl.xml
36 SVCMETHOD=     svc-sockfilter
37
38 ROOTFS_PROG=   hostconfig route soconfig
39 SBINLINKS=     hostconfig route
40
41 RPCSVCPROG=    hostconfig
42 AUDITPROG=     in.rexecd in.rlogind in.rshd in.telnetd
43 PAMPROG=       in.rexecd in.rlogind in.rshd in.telnetd
44 SOCKETPROG=    6to4relay arp gettable hostconfig if_mpadm in.comsat \
45                in.fingerd in.rarpd in.rexecd in.rlogind in.rshd \
46                in.rwhod in.telnetd in.tftpd ipaddrsel route
47 NSLPROG=       6to4relay arp gettable hostconfig in.comsat in.rarpd \
48                in.rexecd in.rlogind in.rshd in.rwhod in.telnetd \
49                in.tftpd ipaddrsel route
50 CMDPROG=       in.telnetd
51 K5PROGS=       in.telnetd in.rlogind in.rshd
52 TSNETPROG=     route
53 DLADMPROG=     6to4relay
54 DEFAULTFILES=  telnetd.dfl
```

new/usr/src/cmd/cmd-inet/usr.sbin/Makefile

2

```
56 PROGSRC=      $(PROG:%=%.c)
57 TFTPDOBJ=      in.tftpd.o tftpsubs.o
58 OTHERSRC=      ../usr.bin/tftp/tftpsubs.c
59 K5RLOGINOBJ=   in.rlogind.o
60 K5RSHDOBJ=     in.rshd.o
61 K5TELNETOBJ=   in.telnetd.o
62 SRCS=          $(PROGSRC) $(OTHERSRC)
63
64 SUBDIRS=       bootconfchk htable ifconfig ilbadm in.rdisc in.routed \
65 SUBDIRS=       bootconfchk htable ifconfig ilbadm in.ftpd in.rdisc in.routed \
66                in.talkd inetadm inetconv ipadm impstat ipqosconf ipsecutils \
67                kssl/kssladm kssl/ksslcfg nwadm nwamcfg ping routeadm \
68                snoop sppptun traceroute wifconfig
69
70 MSGSUBDIRS=     bootconfchk htable ifconfig ilbadm in.routed in.talkd \
71 MSGSUBDIRS=     bootconfchk htable ifconfig ilbadm in.ftpd in.routed in.talkd \
72                inetadm inetconv ipadm impstat ipqosconf ipsecutils \
73                kssl/ksslcfg nwadm nwamcfg routeadm sppptun snoop wifconfig
74
75 # As programs get lint-clean, add them here and to the 'lint' target.
76 # Eventually this hack should go away, and all in PROG should be
77 # lint-clean.
78 LINTCLEAN=      6to4relay arp in.rlogind in.rshd in.telnetd in.tftpd \
79                ipaddrsel route \
80                in.rarpd if_mpadm $(SYNCPROG)
81 # Likewise, as subdirs get lint-clean, add them here. Once
82 # they're all clean, replace the dependency of the lint target
83 # with SUBDIRS. Also (sigh) deal with the commented-out build lines
84 # for the lint rule.
85 LINTSUBDIRS=    bootconfchk ilbadm in.rdisc in.routed in.talkd inetadm \
86                inetconv impstat ipqosconf ipsecutils kssl/kssladm \
87                kssl/ksslcfg nwadm nwamcfg ping routeadm sppptun traceroute \
88                wifconfig
89 # And as programs are verified not to attempt to write into constants,
90 # -xstrconst should be used to ensure they stay that way.
91 CONSTCLEAN=
92
93 include ../Makefile.cmd
94 ROOTMANIFESTDIR= $(ROOTSVCNETWORK)
95 $(ROOTMANIFEST) := FILEMODE= 444
96 include ../Makefile.cmd-inet
97
98 ROOTSBINPROG = $(ROOTFS_PROG:%=$(ROOTSBIN)/%)
99 ROOTUSRSBINLINKS = $(SBINLINKS:%=$(ROOTUSRSBIN)/%)
100
101 COMMONOBJ=      addr_match.o kcmd.o store_forw_creds.o
102 COMMONSRC=      $(COMMONOBJ:%.o=$(CMDINETCOMMONDIR)/%.c)
103 SRC+=           $(COMMONSRC)
104
105 CERRWARN += -_gcc=-Wno-implicit-function-declaration
106 CERRWARN += -_gcc=-Wno-uninitialized
107 CERRWARN += -_gcc=-Wno-unused-variable
108 CERRWARN += -_gcc=-Wno-unused-function
109 CERRWARN += -_gcc=-Wno-parentheses
110 CERRWARN += -_gcc=-Wno-char-subscripts
111 CERRWARN += -_gcc=-Wno-extra
112 CERRWARN += -_gcc=-Wno-address
113
114 #
115 # Message catalog
116 #
117 POFILES=        6to4relay.po if_mpadm.po in.comsat.po ipaddrsel.po route.po \
118                soconfig.po
119 POFILE=         usr.sbin.po
```

new/usr/src/cmd/cmd-inet/usr.sbin/Makefile

3

```

119 all:=          TARGET= all
120 install:=      TARGET= install
121 clean:=        TARGET= clean
122 clobber:=      TARGET= clobber
123 lint:=         TARGET= lint
124 _msg:=         TARGET= _msg

126 CLOBBERFILES += $(ROOTFS_PROG) $(PROG)
127 CLEANFILES += $(COMMONOBS) $(K5RLOGINOBS) $(K5RSHDOBS) $(TFTPD0BS) \
128               $(K5TELNETOBS)

130 CPPFLAGS +=     -DSYSV -DBSD_COMP -I$(CMDINETCOMMONDIR) -I

132 include $(SRC)/lib/gss_mechs/mech_krb5/Makefile.mech_krb5
133 K5LIBS=

135 # Eventually just plain CFLAGS should be += -v, but not until all in
136 # PROGS are lint clean.
137 $(LINTCLEAN)      :=      CFLAGS += $(CCVERBOSE)
138 $(CONSTCLEAN)     :=      CFLAGS += $(XSTRCONST)

140 $(SYNCPROG)       :=      LDLIBS += -ldlpi
141 $(SOCKETPROG)     :=      LDLIBS += -lsocket
142 $(NSLPROG)        :=      LDLIBS += -lnsl
143 $(AUDITPROG)      :=      LDLIBS += -lbsm
144 $(PAMPROG)        :=      LDLIBS += -lpam
145 $(RPCSVCPROG)     :=      LDLIBS += -lrpcsvc
146 $(K5PROGS)        :=      LDFLAGS += $(KRUNPATH) \
147                          -L$(ROOT)$(KLIBDIR_D0) -L$(ROOT)$(KLIBDIR_GL)
148 $(K5PROGS)        :=      K5LIBS= -lmec_krb5
149 $(K5PROGS)        :=      CPPFLAGS += -I$(SRC)/head \
150                          -I$(SRC)/uts/common/ \
151                          -I$(SRC)/uts/common/gssapi/mechs/krb5/include \
152                          -I$(SRC)/lib/gss_mechs/mech_krb5/include \
153                          -I$(SRC)/lib/pam_modules/krb5
154 LDLIBS +=        $(K5LIBS)
155 $(TSNETPROG)      :=      LDLIBS += -ltsnet
156 $(DLADMPROG)     :=      LDLIBS += -ldladm

158 in.rarpd          :=      LDLIBS += -linetutil -ldlpi
159 if_mpadm          :=      LDLIBS += -linetutil -lipmp
160 if_mpadm.po       :=      XGETFLAGS += -a
161 route            :=      CPPFLAGS += -DNDEBUG
162 ndd              :=      LDLIBS += -ldladm -lipadm
163 gettable in.comsat :=      LDFLAGS += $(MAPFILE.NGB:%=-M%)

165 .KEEP_STATE:

167 .PARALLEL:

169 all: $(PROG) $(ROOTFS_PROG) $(SUBDIRS) THIRDPARTYLICENSE.arp

171 #
172 # message catalog
173 #
174 _msg: $(MSGSUBDIRS) $(POFILE)

176 syncutil: $(SYNCPROG)

178 $(POFILE): $(POFILES)
179     $(RM) $@
180     cat $(POFILES) > $@

182 %.o: $(CMDINETCOMMONDIR)/%.c
183     $(COMPILE.c) -o $@ $<

```

new/usr/src/cmd/cmd-inet/usr.sbin/Makefile

4

```

185 in.telnetd: $(K5TELNETOBS)
186     $(LINK.c) $(K5TELNETOBS) -o $@ $(LDLIBS)
187     $(POST_PROCESS)

189 in.rlogind: $(K5RLOGINOBS) $(COMMONOBS)
190     $(LINK.c) $(K5RLOGINOBS) $(COMMONOBS) -o $@ $(LDLIBS)
191     $(POST_PROCESS)

193 in.rshd: $(K5RSHDOBS) $(COMMONOBS)
194     $(LINK.c) $(K5RSHDOBS) $(COMMONOBS) -o $@ $(LDLIBS)
195     $(POST_PROCESS)

197 in.tftpd: $(TFTPD0BS)
198     $(LINK.c) $(TFTPD0BS) -o $@ $(LDLIBS)
199     $(POST_PROCESS)

201 tftpsubs.o: $(OTHERSRC)
202     $(COMPILE.c) $(OTHERSRC) -o $@
203     $(POST_PROCESS_0)

205 $(ROOTUSRSBINLINKS):
206     -$(RM) $@; $(SYMLINK) ../../sbin/$(@F) $@

208 install: $(PROG) $(ROOTFS_PROG) $(SUBDIRS) .WAIT $(ROOTUSRSBINPROG) \
209           $(ROOTSBINPROG) $(ROOTUSRSBINLINKS) $(ROOTETCDEFAULTFILES) \
210           $(ROOTMANIFEST) $(ROOTSVCMETHOD) THIRDPARTYLICENSE.arp

212 THIRDPARTYLICENSE.arp: arp.c
213     $(SED) -n '/University of California/,/SUCH DAMAGE/p' arp.c > $@

215 CLOBBERFILES += THIRDPARTYLICENSE.arp

217 #
218 # The reason this rule checks for the existence of the
219 # Makefile is that some of the directories do not exist
220 # in our exportable source builds.
221 #
222 $(SUBDIRS): FRC
223     @if [ -f $@/Makefile ]; then \
224         cd $@; pwd; $(MAKE) $(TARGET); \
225     else \
226         true; \
227     fi

229 FRC:

231 check: $(CHKMANIFEST)

233 clean: $(SUBDIRS) clean_local
234 clean_local:
235     $(RM) $(CLEANFILES)

237 clobber: $(SUBDIRS) clobber_local
238 clobber_local: clean_local
239     $(RM) $(CLOBBERFILES)

241 lint: $(LINTSUBDIRS)
242     $(LINT.c) 6to4relay.c $(LDLIBS) -lsocket -ldladm
243     $(LINT.c) arp.c $(LDLIBS) -lsocket -lnsl
244     @# $(LINT.c) in.rexecd.c $(LDLIBS) -lbsm -lpam
245     $(LINT.c) -erroff=E_NAME_USED_NOT_DEF2 -erroff=E_NAME_DEF_NOT_USED2 \
246             -I$(SRC)/head -I$(SRC)/uts/common/ \
247             -I$(SRC)/uts/common/gssapi/mechs/krb5/include \
248             -I$(SRC)/lib/gss_mechs/mech_krb5/include \
249             -I$(SRC)/lib/pam_modules/krb5 \
250     in.rlogind.c $(COMMONSRCS) $(LDLIBS) -lbsm -lpam -lsocket -lnsl

```

```
251 $(LINT.c) -erroff=E_NAME_USED_NOT_DEF2 -erroff=E_NAME_DEF_NOT_USED2 \  
252 -I$(SRC)/head -I$(SRC)/uts/common/ \  
253 -I$(SRC)/uts/common/gssapi/mechs/krb5/include \  
254 -I$(SRC)/lib/gss_mechs/mech_krb5/include \  
255 -I$(SRC)/lib/pam_modules/krb5 \  
256 in.rshd.c $(COMMONSRCS) $(LDLIBS) -lbsd -lpam -lsocket -lnsl  
257 $(LINT.c) -erroff=E_NAME_USED_NOT_DEF2 \  
258 -erroff=E_GLOBAL_COULD_BE_STATIC2 \  
259 -I$(SRC)/head -I$(SRC)/uts/common/ \  
260 -I$(SRC)/uts/common/gssapi/mechs/krb5/include \  
261 -I$(SRC)/lib/gss_mechs/mech_krb5/include \  
262 -I$(SRC)/lib/pam_modules/krb5 \  
263 in.telnetd.c $(LDLIBS) -lbsd -lpam -lsocket -lnsl  
264 $(LINT.c) if_mpadm.c $(LDLIBS) -lsocket -lnsl -linterp -linetutil  
265 $(LINT.c) ipaddrsel.c $(LDLIBS) -lsocket -lnsl  
266 $(LINT.c) route.c $(LDLIBS) -lsocket -lnsl -ltsnet  
267 $(LINT.c) syncinit.c $(LDLIBS) -ldlpi  
268 $(LINT.c) syncloop.c $(LDLIBS) -ldlpi  
269 $(LINT.c) syncstat.c $(LDLIBS) -ldlpi  
270 $(LINT.c) -erroff=E_NAME_USED_NOT_DEF2 in.rarpd.c $(LDLIBS) \  
271 -lsocket -lnsl  
272 $(LINT.c) in.tftpd.c ../usr.bin/tftp/tftpsubs.c $(LDLIBS) \  
273 -lsocket -lnsl
```

new/usr/src/cmd/svc/profile/generic_limited_net.xml

1

13416 Fri Aug 15 19:22:19 2014

new/usr/src/cmd/svc/profile/generic_limited_net.xml

5069 Removal of wu-ftp

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

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Reviewed by: Milan Jurik <milan.jurik@xylab.cz>

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Reviewed by: Gary Mills <gary.mills@fastmail.fm>

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

Reviewed by: Adam Stevko <adam.stevko@gmail.com>

1 <?xml version='1.0'?>

2 <!DOCTYPE service_bundle SYSTEM '/usr/share/lib/xml/dtd/service_bundle.dtd.1'>

3 <!--

4 CDDL HEADER START

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

10 You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
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16 file and include the License file at usr/src/OPENSOLARIS.LICENSE.
17 If applicable, add the following below this CDDL HEADER, with the
18 fields enclosed by brackets "[]" replaced with your own identifying
19 information: Portions Copyright [yyyy] [name of copyright owner]

21 CDDL HEADER END

23 Copyright 2010 Sun Microsystems, Inc. All rights reserved.
24 Use is subject to license terms.

26 The purpose of the limited_net profile is to provide a set of
27 active services that allow one to connect to the machine via ssh
28 (requires sshd). The services which are deactivated here are those
29 that are at odds with this goal. Those which are activated are
30 explicit requirements for the goal's satisfaction.

32 NOTE: Service profiles delivered by this package are not editable,
33 and their contents will be overwritten by package or patch
34 operations, including operating system upgrade. Make customizations
35 in a distinct file. The paths, /etc/svc/profile/site.xml and
36 /var/svc/profile/site.xml, are distinguished locations for site-specific
37 service profile, treated otherwise equivalently to this file.

38 -->

39 <service_bundle type='profile' name='generic_limited_net'

40 xmlns:xi='http://www.w3.org/2003/XInclude' >

41 <!--

42 Include name service profile, as set by system id tools.

43 -->

44 <xi:include href='file:/etc/svc/profile/name_service.xml' />

46 <!--

47 svc.startd(1M) services

48 -->

49 <service name='system/coreadm' version='1' type='service'>

50 <instance name='default' enabled='true'>

51 </service>

52 <service name='system/cron' version='1' type='service'>

53 <instance name='default' enabled='true'>

54 </service>

new/usr/src/cmd/svc/profile/generic_limited_net.xml

2

55 <service name='system/cryptosvc' version='1' type='service'>

56 <instance name='default' enabled='true'>

57 </service>

58 <service name='system/dbus' version='1' type='service'>

59 <instance name='default' enabled='true'>

60 </service>

61 <service name='system/extended-accounting' version='1' type='service'>

62 <instance name='flow' enabled='false'>

63 <instance name='process' enabled='false'>

64 <instance name='task' enabled='false'>

65 <instance name='net' enabled='false'>

66 </service>

67 <service name='system/hal' version='1' type='service'>

68 <instance name='default' enabled='true'>

69 </service>

70 <service name='system/identity' version='1' type='service'>

71 <instance name='domain' enabled='true'>

72 </service>

73 <service name='system/intrd' version='1' type='service'>

74 <instance name='default' enabled='true'>

75 </service>

76 <service name='system/keymap' version='1' type='service'>

77 <instance name='default' enabled='true'>

78 </service>

79 <service name='system/picl' version='1' type='service'>

80 <instance name='default' enabled='true'>

81 </service>

82 <service name='system/sac' version='1' type='service'>

83 <instance name='default' enabled='true'>

84 </service>

85 <service name='system/scheduler' version='1' type='service'>

86 <instance name='default' enabled='true'>

87 </service>

88 <service name='system/system-log' version='1' type='service'>

89 <instance name='default' enabled='true'>

90 </service>

91 <service name='system/utmp' version='1' type='service'>

92 <instance name='default' enabled='true'>

93 </service>

94 <service name='system/zones' version='1' type='service'>

95 <instance name='default' enabled='true'>

96 </service>

97 <service name='network/rpc/bind' version='1' type='service'>

98 <instance name='default' enabled='true'>

99 </service>

100 <service name='system/name-service-cache' version='1' type='service'>

101 <instance name='default' enabled='true'>

102 </service>

103 <service name='network/nfs/status' version='1' type='service'>

104 <instance name='default' enabled='false'>

105 </service>

106 <service name='network/nfs/nlockmgr' version='1' type='service'>

107 <instance name='default' enabled='false'>

108 </service>

109 <service name='network/nfs/client' version='1' type='service'>

110 <instance name='default' enabled='false'>

111 </service>

112 <service name='network/nfs/server' version='1' type='service'>

113 <instance name='default' enabled='false'>

114 </service>

115 <service name='network/nfs/rquota' version='1' type='service'>

116 <instance name='default' enabled='false'>

117 </service>

118 <service name='network/nfs/cbd' version='1' type='service'>

119 <instance name='default' enabled='false'>

120 </service>

new/usr/src/cmd/svc/profile/generic_limited_net.xml

3

```
121 <service name='network/nfs/mapid' version='1' type='service'>
122   <instance name='default' enabled='false' />
123 </service>
124 <service name='network/smb/client' version='1' type='service'>
125   <instance name='default' enabled='false' />
126 </service>
127
128 <service name='network/ssh' version='1' type='service'>
129   <instance name='default' enabled='true' />
130 </service>
131 <service name='network/smtp' version='1' type='service'>
132   <instance name='sendmail' enabled='true' />
133 </service>
134 <service name='network/sendmail-client' version='1' type='service'>
135   <instance name='default' enabled='true' />
136 </service>
137 <service name='network/inetd' version='1' type='restarter'>
138   <instance name='default' enabled='true' />
139 </service>
140 <service name='system/filesystem/autofs' version='1' type='service'>
141   <instance name='default' enabled='true' />
142 </service>
143 <service name='system/filesystem/rmvolmgr' version='1' type='service'>
144   <instance name='default' enabled='true' />
145 </service>
146 <service name='system/power' version='1' type='service'>
147   <instance name='default' enabled='true' />
148 </service>
149
150 <service name='network/dns/multicast' version='1' type='service'>
151   <instance name='default' enabled='false' />
152 </service>
153 <service name='network/dhcp-server' version='1' type='service'>
154   <instance name='default' enabled='false' />
155 </service>
156 <service name='network/ntp' version='1' type='service'>
157   <instance name='default' enabled='false' />
158 </service>
159 <service name='network/rarp' version='1' type='service'>
160   <instance name='default' enabled='false' />
161 </service>
162 <service name='network/slp' version='1' type='service'>
163   <instance name='default' enabled='false' />
164 </service>
165 <service name='network/security/kadmin' version='1' type='service'>
166   <instance name='default' enabled='false' />
167 </service>
168 <service name='network/security/krb5_prop' version='1' type='service'>
169   <instance name='default' enabled='false' />
170 </service>
171 <service name='network/security/krb5kdc' version='1' type='service'>
172   <instance name='default' enabled='false' />
173 </service>
174
175 <service name='application/management/net-snmp' version='1' type='service'>
176   <instance name='default' enabled='false' />
177 </service>
178 <service name='application/management/seaport' version='1' type='service'>
179   <instance name='default' enabled='false' />
180 </service>
181 <service name='application/management/snmpdx' version='1' type='service'>
182   <instance name='default' enabled='false' />
183 </service>
184 <service name='application/management/wbem' version='1' type='service'>
185   <instance name='default' enabled='true' />
186 </service>
```

new/usr/src/cmd/svc/profile/generic_limited_net.xml

4

```
187 <service name='application/print/ipp-listener' version='1' type='service'>
188   <instance name='default' enabled='false' />
189 </service>
190 <service name='application/print/ppd-cache-update' version='1' type='service'>
191   <instance name='default' enabled='true' />
192 </service>
193 <service name='application/print/rfc1179' version='1' type='service'>
194   <instance name='default' enabled='false' />
195 </service>
196 <service name='application/cups/in-lpd' version='1' type='service'>
197   <instance name='default' enabled='false' />
198 </service>
199 <service name='application/stosreg' version='1' type='service'>
200   <instance name='default' enabled='true' />
201 </service>
202
203 <!--
204     default inetd(1M) services
205 -->
206 <service name='network/finger' version='1' type='service'>
207   <instance name='default' enabled='false' />
208 </service>
209 <service name='network/ftp' version='1' type='service'>
210   <instance name='default' enabled='false' />
211 </service>
212 <service name='network/login' version='1' type='service'>
213   <instance name='rlogin' enabled='false' />
214   <instance name='klogin' enabled='false' />
215   <instance name='eklogin' enabled='false' />
216 </service>
217 <service name='network/shell' version='1' type='service'>
218   <instance name='default' enabled='false' />
219 </service>
220
221 <!--
222     non-default inetd(1M) services
223 -->
224 <service name='network/uucp' version='1' type='service'>
225   <instance name='default' enabled='false' />
226 </service>
227 <service name='network/chargen' version='1' type='service'>
228   <instance name='stream' enabled='false' />
229   <instance name='dgram' enabled='false' />
230 </service>
231 <service name='network/daytime' version='1' type='service'>
232   <instance name='stream' enabled='false' />
233   <instance name='dgram' enabled='false' />
234 </service>
235 <service name='network/discard' version='1' type='service'>
236   <instance name='stream' enabled='false' />
237   <instance name='dgram' enabled='false' />
238 </service>
239 <service name='network/echo' version='1' type='service'>
240   <instance name='stream' enabled='false' />
241   <instance name='dgram' enabled='false' />
242 </service>
243 <service name='network/time' version='1' type='service'>
244   <instance name='stream' enabled='false' />
245   <instance name='dgram' enabled='false' />
246 </service>
247 <service name='network/comsat' version='1' type='service'>
248   <instance name='default' enabled='false' />
249 </service>
```

```

250 </service>
251 <service name='network/rexec' version='1' type='service'>
252   <instance name='default' enabled='false' />
253 </service>
254 <service name='network/talk' version='1' type='service'>
255   <instance name='default' enabled='false' />
256 </service>
257 <service name='network/stdiscover' version='1' type='service'>
258   <instance name='default' enabled='false' />
259 </service>
260 <service name='network/stlisten' version='1' type='service'>
261   <instance name='default' enabled='false' />
262 </service>

264 <!--
265   default inetd(1M) RPC services enabled
266 -->
267 <service name='network/rpc/gss' version='1' type='service'>
268   <instance name='default' enabled='true' />
269 </service>
270 <service name='network/rpc/mdcomm' version='1' type='service'>
271   <instance name='default' enabled='false' />
272 </service>
273 <service name='network/rpc/smserver' version='1' type='service'>
274   <instance name='default' enabled='true' />
275 </service>
276 <service name='network/security/ktkt_warn' version='1' type='service'>
277   <instance name='default' enabled='true' />
278 </service>

280 <!--
281   default inetd(1M) RPC services disabled
282 -->
283 <service name='network/rpc/rstat' version='1' type='service'>
284   <instance name='default' enabled='false' />
285 </service>
286 <service name='network/rpc/rusers' version='1' type='service'>
287   <instance name='default' enabled='false' />
288 </service>
289 <service name='network/rpc/meta' version='1' type='service'>
290   <instance name='default' enabled='false' />
291 </service>
292 <service name='network/rpc/metamed' version='1' type='service'>
293   <instance name='default' enabled='false' />
294 </service>
295 <service name='network/rpc/metamh' version='1' type='service'>
296   <instance name='default' enabled='false' />
297 </service>

299 <!--
300   non-default inetd(1M) RPC services disabled
301 -->
302 <service name='network/rpc/rex' version='1' type='service'>
303   <instance name='default' enabled='false' />
304 </service>
305 <service name='network/rpc/spray' version='1' type='service'>
306   <instance name='default' enabled='false' />
307 </service>
308 <service name='network/rpc/wall' version='1' type='service'>
309   <instance name='default' enabled='false' />
310 </service>

312 <!--
313   Disable Avahi mDNS bridge service
314 -->
315 <service name='system/avahi-bridge-dsd' version='1' type='service'>

```

```

316   <instance name='default' enabled='false' />
317 </service>

319 <!--
320   Enable CDE/ToolTalk/GDM services.
321 -->
322 <service name='network/rpc/cde-ttdbserver' version='1' type='service'>
323   <instance name='tcp' enabled='true' />
324 </service>
325 <service name='application/graphical-login/gdm' version='1'
326   type='service'>
327   <instance name='default' enabled='true' />
328 </service>
329 <service name='network/rpc/cde-calendar-manager' version='1' type='service'>
330   <instance name='default' enabled='true' />
331 </service>

333 <!--
334   Disable X11 services.
335 -->
336 <service name='application/x11/xfs' version='1' type='service'>
337   <instance name='default' enabled='false' />
338 </service>

340 <!--
341   Enable VNC config service for xVM
342 -->
343 <service name='system/xvm/vnc-config' version='1' type='service'>
344   <instance name='default' enabled='true' />
345 </service>

347 <service name='system/xvm/ipagent' version='1' type='service'>
348   <instance name='default' enabled='true' />
349 </service>

351 </service_bundle>

```

new/usr/src/cmd/svc/profile/inetd_generic.xml

1

```
*****
3432 Fri Aug 15 19:22:19 2014
new/usr/src/cmd/svc/profile/inetd_generic.xml
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>
*****
1 <?xml version='1.0'?>
2 <!DOCTYPE service_bundle SYSTEM '/usr/share/lib/xml/dtd/service_bundle.dtd.1'>
3 <!--
4 CDDL HEADER START
5
6 The contents of this file are subject to the terms of the
7 Common Development and Distribution License (the "License").
8 You may not use this file except in compliance with the License.
9
10 You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
11 or http://www.opensolaris.org/os/licensing.
12 See the License for the specific language governing permissions
13 and limitations under the License.
14
15 When distributing Covered Code, include this CDDL HEADER in each
16 file and include the License file at usr/src/OPENSOLARIS.LICENSE.
17 If applicable, add the following below this CDDL HEADER, with the
18 fields enclosed by brackets "[]" replaced with your own identifying
19 information: Portions Copyright [yyyy] [name of copyright owner]
20
21 CDDL HEADER END
22
23 Copyright 2010 Sun Microsystems, Inc. All rights reserved.
24 Use is subject to license terms.
25
26 Service profile to enable default inetd services.
27
28 NOTE: Service profiles delivered by this package are not editable,
29 and their contents will be overwritten by package or patch
30 operations, including operating system upgrade. Make customizations
31 in a distinct file.
32 -->
33 <service_bundle type='profile' name='default'>
34 <!--
35 inetd(1M) services
36
37 -->
38 <service name='network/finger' version='1' type='service'>
39 <instance name='default' enabled='true' />
40 </service>
41 <service name='network/ftp' version='1' type='service'>
42 <instance name='default' enabled='true' />
43 </service>
44 <service name='network/login' version='1' type='service'>
45 <instance name='rlogin' enabled='true' />
46 </service>
47 <service name='network/shell' version='1' type='service'>
48 <instance name='default' enabled='true' />
49 </service>
50 <!--
51 inetd(1M) RPC services
```

new/usr/src/cmd/svc/profile/inetd_generic.xml

2

```
52 -->
53 <service name='network/nfs/rquota' version='1' type='service'>
54 <instance name='default' enabled='true' />
55 </service>
56 <service name='network/rpc/gss' version='1' type='service'>
57 <instance name='default' enabled='true' />
58 </service>
59 <service name='network/rpc/mdcomm' version='1' type='service'>
60 <instance name='default' enabled='true' />
61 </service>
62 <service name='network/rpc/meta' version='1' type='service'>
63 <instance name='default' enabled='true' />
64 </service>
65 <service name='network/rpc/metamed' version='1' type='service'>
66 <instance name='default' enabled='true' />
67 </service>
68 <service name='network/rpc/metamh' version='1' type='service'>
69 <instance name='default' enabled='true' />
70 </service>
71 <service name='network/rpc/rstat' version='1' type='service'>
72 <instance name='default' enabled='true' />
73 </service>
74 <service name='network/rpc/rusers' version='1' type='service'>
75 <instance name='default' enabled='true' />
76 </service>
77 <service name='network/rpc/smserver' version='1' type='service'>
78 <instance name='default' enabled='true' />
79 </service>
80 <service name='network/security/ktkt_warn' version='1' type='service'>
81 <instance name='default' enabled='true' />
82 </service>
83
84 <!--
85 Enable CDE services.
86 -->
87 <service name='network/rpc/cde-ttdbserver' version='1' type='service'>
88 <instance name='tcp' enabled='true' />
89 </service>
90 <service name='network/rpc/cde-calendar-manager' version='1'
91 type='service'>
92 <instance name='default' enabled='true' />
93 </service>
94
95 </service_bundle>
```

new/usr/src/man/man1/Makefile

1

13152 Fri Aug 15 19:22:20 2014

new/usr/src/man/man1/Makefile

5069 Removal of wu-ftp

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

Reviewed by: Garrett D'Amore <garrett@damore.org>

Reviewed by: Milan Jurik <milan.jurik@xylab.cz>

Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>

Reviewed by: Gary Mills <gary.mills@fastmail.fm>

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

Reviewed by: Adam Stevko <adam.stevko@gmail.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 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
16 #
```

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

```
20 MANSECT=     1
```

```
22 MANFILES=    acctcom.1      \
23              adb.1          \
24              addbib.1       \
25              alias.1        \
26              allocate.1     \
27              amt.1          \
28              appcert.1      \
29              apptrace.1     \
30              apropos.1      \
31              ar.1           \
32              arch.1         \
33              asa.1          \
34              at.1           \
35              atq.1          \
36              atrm.1         \
37              audioconvert.1 \
38              audioctl.1     \
39              audioplay.1    \
40              audiorecord.1  \
41              audiotest.1    \
42              auths.1        \
43              awk.1          \
44              banner.1       \
45              basename.1     \
46              bc.1           \
47              bdiff.1        \
48              bfs.1          \
49              break.1        \
50              builtin.1      \
51              cal.1          \
52              calendar.1     \
53              cancel.1       \
54              cat.1          \
```

new/usr/src/man/man1/Makefile

2

```
55          cd.1              \
56          cdrw.1            \
57          checknr.1         \
58          chgrp.1           \
59          chkey.1           \
60          chmod.1           \
61          chown.1           \
62          ckdate.1          \
63          ckgid.1           \
64          ckint.1           \
65          ckitem.1          \
66          ckkeywd.1         \
67          ckpath.1          \
68          ckrange.1         \
69          ckstr.1           \
70          cksum.1           \
71          cktime.1          \
72          ckuid.1           \
73          ckyorn.1          \
74          clear.1           \
75          cmp.1             \
76          col.1             \
77          comm.1            \
78          command.1         \
79          compress.1        \
80          cp.1              \
81          cpio.1            \
82          cputrack.1        \
83          crle.1            \
84          crontab.1         \
85          crypt.1           \
86          csh.1             \
87          csplit.1          \
88          ctags.1           \
89          ctrun.1           \
90          ctstat.1          \
91          ctwatch.1         \
92          cut.1             \
93          date.1            \
94          dc.1              \
95          deallocate.1      \
96          deroff.1          \
97          dhcpinfo.1        \
98          diff.1            \
99          diff3.1           \
100         diffmk.1           \
101         digest.1           \
102         dircmp.1           \
103         dis.1              \
104         disown.1           \
105         dispgid.1          \
106         dispuid.1          \
107         dos2unix.1         \
108         download.1         \
109         dpost.1            \
110         du.1               \
111         dump.1             \
112         dumpcs.1           \
113         echo.1             \
114         ed.1               \
115         egrep.1            \
116         eject.1            \
117         elfdump.1          \
118         elfedit.1          \
119         elfsign.1          \
120         elfwrap.1          \
```

```

121      enable.1      \
122      encrypt.1     \
123      enhance.1     \
124      env.1         \
125      eqn.1         \
126      exec.1        \
127      exit.1        \
128      expand.1       \
129      expr.1        \
130      exstr.1       \
131      factor.1      \
132      fdformat.1    \
133      fgrep.1       \
134      file.1        \
135      filesync.1    \
136      find.1        \
137      finger.1      \
138      fmt.1         \
139      fmtmsg.1      \
140      fold.1        \
141      ftp.1         \
142      ftpcount.1    \
143      ftpwho.1      \
144      gcore.1       \
145      gencat.1      \
146      genmsg.1      \
147      getconf.1     \
148      getfacl.1     \
149      getlabel.1    \
150      getopt.1      \
151      getoptcv.1    \
152      getopts.1     \
153      gettext.1     \
154      gettxt.1      \
155      getzonepath.1 \
156      glob.1        \
157      gprof.1       \
158      grep.1        \
159      groups.1      \
160      hash.1        \
161      head.1        \
162      history.1     \
163      hostid.1      \
164      hostname.1    \
165      iconv.1       \
166      indxbib.1     \
167      Intro.1       \
168      ipcrm.1       \
169      ipcs.1        \
170      isainfo.1     \
171      isalist.1     \
172      jobs.1        \
173      join.1        \
174      kbd.1         \
175      kdestroy.1    \
176      keylogin.1    \
177      keylogout.1   \
178      kill.1        \
179      kinit.1       \
180      klist.1       \
181      kmdb.1        \
182      kmfcfg.1      \
183      kpasswd.1     \
184      krb5-config.1 \
      ksh93.1       \
      ktutil.1      \

```

```

185      lari.1        \
186      last.1        \
187      lastcomm.1    \
188      ld.1          \
189      ldap.1        \
190      ldapdelete.1  \
191      ldaplist.1    \
192      ldapmodify.1  \
193      ldapmodrdn.1  \
194      ldapsearch.1  \
195      ldd.1         \
196      ld.so.1.1     \
197      let.1         \
198      lex.1         \
199      lgrpinf.1     \
200      limit.1       \
201      line.1        \
202      list_devices.1 \
203      listusers.1   \
204      ln.1          \
205      loadkeys.1    \
206      locale.1      \
207      localedef.1   \
208      logger.1      \
209      login.1       \
210      logname.1     \
211      logout.1      \
212      look.1        \
213      lookbib.1     \
214      lorder.1      \
215      lp.1          \
216      lpstat.1      \
217      ls.1          \
218      m4.1          \
219      mac.1         \
220      mach.1        \
221      machid.1      \
222      madv.so.1.1   \
223      mail.1        \
224      mailcompat.1  \
225      mailq.1       \
226      mailstats.1   \
227      mailx.1       \
228      makekey.1     \
229      man.1         \
230      mandoc.1      \
231      mconnect.1    \
232      mcs.1         \
233      mdb.1         \
234      msg.1         \
235      mkdir.1       \
236      mkmsgs.1      \
237      mktemp.1      \
238      moe.1         \
239      more.1        \
240      mpss.so.1.1   \
241      msgcc.1       \
242      msgcpp.1      \
243      msgcv.1       \
244      msgfmt.1      \
245      msggen.1      \
246      msgget.1      \
247      mt.1          \
248      mv.1          \
249      nawk.1        \
250      nc.1          \

```

new/usr/src/man/man1/Makefile

251	nca.1	\\
252	ncab2clf.1	\\
253	ncakmod.1	\\
254	newform.1	\\
255	newgrp.1	\\
256	news.1	\\
257	newtask.1	\\
258	nice.1	\\
259	nl.1	\\
260	nm.1	\\
261	nohup.1	\\
262	nroff.1	\\
263	od.1	\\
264	on.1	\\
265	optisa.1	\\
266	pack.1	\\
267	pagesize.1	\\
268	pargs.1	\\
269	passwd.1	\\
270	paste.1	\\
271	pathchk.1	\\
272	pax.1	\\
273	pfexec.1	\\
274	pg.1	\\
275	pgrep.1	\\
276	pkginfo.1	\\
277	pkgmk.1	\\
278	pkgparam.1	\\
279	pkgproto.1	\\
280	pkgtrans.1	\\
281	pktool.1	\\
282	plabel.1	\\
283	plgrp.1	\\
284	plimit.1	\\
285	pmadvise.1	\\
286	pmap.1	\\
287	postio.1	\\
288	postprint.1	\\
289	postreverse.1	\\
290	ppgsz.1	\\
291	ppriv.1	\\
292	pr.1	\\
293	praliases.1	\\
294	prctl.1	\\
295	preap.1	\\
296	prex.1	\\
297	print.1	\\
298	printf.1	\\
299	priocntl.1	\\
300	proc.1	\\
301	prof.1	\\
302	profiles.1	\\
303	projects.1	\\
304	ps.1	\\
305	ptree.1	\\
306	pvs.1	\\
307	pwd.1	\\
308	ranlib.1	\\
309	rcapstat.1	\\
310	rcp.1	\\
311	rdist.1	\\
312	read.1	\\
313	readonly.1	\\
314	refer.1	\\
315	regcmp.1	\\
316	renice.1	\\

5

new/usr/src/man/man1/Makefile

317	rev.1	\\
318	rlogin.1	\\
319	rm.1	\\
320	rmformat.1	\\
321	rmmount.1	\\
322	roffbib.1	\\
323	roles.1	\\
324	rpcgen.1	\\
325	rsh.1	\\
326	runat.1	\\
327	rup.1	\\
328	ruptime.1	\\
329	rusers.1	\\
330	rwho.1	\\
331	sar.1	\\
332	scp.1	\\
333	script.1	\\
334	sdiff.1	\\
335	sed.1	\\
336	set.1	\\
337	setfacl.1	\\
338	setlabel.1	\\
339	setpggrp.1	\\
340	sftp.1	\\
341	shcomp.1	\\
342	shell_builtins.1	\\
343	shift.1	\\
344	size.1	\\
345	sleep.1	\\
346	smbutil.1	\\
347	soelim.1	\\
348	sort.1	\\
349	sortbib.1	\\
350	sotruss.1	\\
351	spell.1	\\
352	split.1	\\
353	srchtxt.1	\\
354	ssh.1	\\
355	ssh-add.1	\\
356	ssh-agent.1	\\
357	ssh-http-proxy-connect.1	\\
358	ssh-keygen.1	\\
359	ssh-keyscan.1	\\
360	ssh-socks5-proxy-connect.1	\\
361	strchg.1	\\
362	strings.1	\\
363	strip.1	\\
364	stty.1	\\
365	sum.1	\\
366	suspend.1	\\
367	svcprop.1	\\
368	svcs.1	\\
369	symorder.1	\\
370	sys-suspend.1	\\
371	tabs.1	\\
372	tail.1	\\
373	talk.1	\\
374	tar.1	\\
375	tbl.1	\\
376	tcopy.1	\\
377	tee.1	\\
378	telnet.1	\\
379	test.1	\\
380	tftp.1	\\
381	time.1	\\
382	times.1	\\

6

new/usr/src/man/man1/Makefile

7

```

383         timex.1          \
384         tip.1            \
385         tnfdump.1        \
386         tnfxtract.1     \
387         touch.1         \
388         tput.1          \
389         tr.1            \
390         trap.1          \
391         troff.1         \
392         true.1          \
393         truss.1         \
394         tsort.1         \
395         tty.1           \
396         type.1          \
397         typeset.1       \
398         ul.1            \
399         umask.1         \
400         uname.1         \
401         unifdef.1       \
402         uniq.1          \
403         units.1         \
404         unix2dos.1      \
405         uptime.1        \
406         vacation.1     \
407         vgrind.1        \
408         volcheck.1      \
409         volrmmount.1    \
410         w.1             \
411         wait.1          \
412         wc.1            \
413         which.1         \
414         who.1           \
415         whocalls.1      \
416         whois.1         \
417         write.1         \
418         xargs.1         \
419         xgettext.1      \
420         xstr.1          \
421         yacc.1          \
422         yes.1           \
423         ypcat.1         \
424         ypmatch.1       \
425         yppasswd.1      \
426         ypwhich.1       \
427         zlogin.1        \
428         zonename.1     \
430 MANLINKS= batch.1      \
431                bg.1      \
432                case.1    \
433                chdir.1   \
434                checkeq.1 \
435                continue.1 \
436                decrypt.1 \
437                dirname.1 \
438                dirs.1    \
439                disable.1 \
440                dumpkeys.1 \
441                edit.1    \
442                errrange.1 \
443                errdate.1 \
444                errgid.1  \
445                errint.1  \
446                erritem.1 \
447                errpath.1 \
448                errstr.1  \

```

new/usr/src/man/man1/Makefile

8

```

449         errtime.1      \
450         erruid.1        \
451         erryorn.1       \
452         eval.1          \
453         export.1        \
454         false.1         \
455         fc.1            \
456         fg.1           \
457         for.1           \
458         foreach.1       \
459         function.1      \
460         goto.1          \
461         hashcheck.1     \
462         hashmake.1      \
463         hashstat.1      \
464         helpdate.1      \
465         helpgid.1       \
466         helpint.1       \
467         helpitem.1      \
468         helppath.1      \
469         helprange.1     \
470         helpstr.1       \
471         helptime.1      \
472         helpuid.1       \
473         helpyorn.1      \
474         hist.1          \
475         i286.1          \
476         i386.1          \
477         i486.1          \
478         i860.1          \
479         iAPX286.1       \
480         if.1            \
481         intro.1         \
482         jsh.1           \
483         ksh.1           \
484         ldapadd.1       \
485         neqn.1          \
486         notify.1        \
487         onintr.1        \
488         page.1          \
489         pcat.1           \
490         pcred.1          \
491         pdp11.1         \
492         pfcsh.1         \
493         pfiles.1        \
494         pfksh.1         \
495         pflags.1        \
496         pfsh.1          \
497         pkill.1         \
498         pldd.1          \
499         popd.1          \
500         prun.1          \
501         psig.1          \
502         pstack.1        \
503         pstop.1         \
504         ptime.1         \
505         pushd.1         \
506         pwait.1         \
507         pwdx.1          \
508         red.1           \
509         rehash.1        \
510         remote_shell.1  \
511         remsh.1         \
512         repeat.1        \
513         return.1        \
514         rksh.1          \

```

new/usr/src/man/man1/Makefile

```

515      rksh93.1      \
516      rmail.1       \
517      rmdir.1       \
518      rmumount.1    \
519      select.1      \
520      setenv.1       \
521      settime.1     \
522      sh.1          \
523      snca.1        \
524      source.1      \
525      sparc.1       \
526      spellin.1     \
527      stop.1        \
528      strconf.1     \
529      sun.1         \
530      switch.1      \
531      u370.1        \
532      u3b.1         \
533      u3b15.1       \
534      u3b2.1        \
535      u3b5.1        \
536      ulimit.1      \
537      unalias.1     \
538      uncompress.1  \
539      unexpand.1    \
540      unhash.1      \
541      unlimit.1     \
542      unpack.1      \
543      unset.1       \
544      unsetenv.1    \
545      until.1       \
546      valdate.1     \
547      valgid.1      \
548      valint.1      \
549      valpath.1     \
550      valrange.1    \
551      valstr.1      \
552      valtime.1     \
553      valuid.1      \
554      valyorn.1     \
555      vax.1         \
556      vedit.1       \
557      whatis.1      \
558      whence.1      \
559      while.1       \
560      zcat.1        \

562 intro.1          := LINKSRC = Intro.1

564 whatis.1         := LINKSRC = apropos.1

566 unalias.1        := LINKSRC = alias.1

568 batch.1          := LINKSRC = at.1

570 dirname.1        := LINKSRC = basename.1

572 continue.1       := LINKSRC = break.1

574 chdir.1          := LINKSRC = cd.1
575 dirs.1           := LINKSRC = cd.1
576 popd.1           := LINKSRC = cd.1
577 pushd.1          := LINKSRC = cd.1

579 errdate.1        := LINKSRC = ckdate.1
580 helpdate.1       := LINKSRC = ckdate.1

```

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new/usr/src/man/man1/Makefile

```

581 valdate.1        := LINKSRC = ckdate.1

583 errgid.1         := LINKSRC = ckgid.1
584 helpgid.1        := LINKSRC = ckgid.1
585 valgid.1         := LINKSRC = ckgid.1

587 errint.1         := LINKSRC = ckint.1
588 helpint.1        := LINKSRC = ckint.1
589 valint.1         := LINKSRC = ckint.1

591 erritem.1        := LINKSRC = ckitem.1
592 helpitem.1       := LINKSRC = ckitem.1

594 errpath.1        := LINKSRC = ckpath.1
595 helppath.1       := LINKSRC = ckpath.1
596 valpath.1        := LINKSRC = ckpath.1

598 errrange.1       := LINKSRC = ckrange.1
599 helprange.1      := LINKSRC = ckrange.1
600 valrange.1       := LINKSRC = ckrange.1

602 errstr.1         := LINKSRC = ckstr.1
603 helpstr.1        := LINKSRC = ckstr.1
604 valstr.1         := LINKSRC = ckstr.1

606 errtime.1        := LINKSRC = cktime.1
607 helptime.1       := LINKSRC = cktime.1
608 valtime.1        := LINKSRC = cktime.1

610 erruid.1         := LINKSRC = ckuid.1
611 helpuid.1        := LINKSRC = ckuid.1
612 valuid.1         := LINKSRC = ckuid.1

614 erryorn.1        := LINKSRC = kcyorn.1
615 helpyorn.1       := LINKSRC = kcyorn.1
616 valyorn.1        := LINKSRC = kcyorn.1

618 uncompress.1     := LINKSRC = compress.1
619 zcat.1           := LINKSRC = compress.1

621 red.1            := LINKSRC = ed.1

623 disable.1       := LINKSRC = enable.1

625 decrypt.1       := LINKSRC = encrypt.1

627 checkeq.1       := LINKSRC = eqn.1
628 neqn.1           := LINKSRC = eqn.1

630 eval.1           := LINKSRC = exec.1
631 source.1         := LINKSRC = exec.1

633 goto.1           := LINKSRC = exit.1
634 return.1         := LINKSRC = exit.1

636 unexpand.1       := LINKSRC = expand.1

638 hashstat.1       := LINKSRC = hash.1
639 rehash.1         := LINKSRC = hash.1
640 unhash.1         := LINKSRC = hash.1

642 fc.1             := LINKSRC = history.1
643 hist.1           := LINKSRC = history.1

645 bg.1             := LINKSRC = jobs.1
646 fg.1             := LINKSRC = jobs.1

```

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new/usr/src/man/man1/Makefile

11

```

647 notify.1      := LINKSRC = jobs.1
648 stop.1        := LINKSRC = jobs.1

650 jsh.1          := LINKSRC = ksh93.1
651 ksh.1          := LINKSRC = ksh93.1
652 rksh.1         := LINKSRC = ksh93.1
653 rksh93.1       := LINKSRC = ksh93.1
654 sh.1           := LINKSRC = ksh93.1

656 ldapadd.1      := LINKSRC = ldapmodify.1

658 ulimit.1       := LINKSRC = limit.1
659 unlimited.1    := LINKSRC = limit.1

661 dumpkeys.1     := LINKSRC = loadkeys.1

663 i286.1         := LINKSRC = machid.1
664 i386.1         := LINKSRC = machid.1
665 i486.1         := LINKSRC = machid.1
666 i860.1         := LINKSRC = machid.1
667 iAPX286.1     := LINKSRC = machid.1
668 pdp11.1        := LINKSRC = machid.1
669 sparc.1        := LINKSRC = machid.1
670 sun.1          := LINKSRC = machid.1
671 u370.1         := LINKSRC = machid.1
672 u3b.1          := LINKSRC = machid.1
673 u3b15.1        := LINKSRC = machid.1
674 u3b2.1         := LINKSRC = machid.1
675 u3b5.1         := LINKSRC = machid.1
676 vax.1          := LINKSRC = machid.1

678 rmail.1        := LINKSRC = mail.1

680 page.1         := LINKSRC = more.1

682 snca.1         := LINKSRC = nca.1

684 pcat.1         := LINKSRC = pack.1
685 unpack.1       := LINKSRC = pack.1

687 pfcsh.1        := LINKSRC = pfexec.1
688 pfksh.1        := LINKSRC = pfexec.1
689 pfsh.1         := LINKSRC = pfexec.1

691 pkill.1        := LINKSRC = pgrep.1

693 pcred.1        := LINKSRC = proc.1
694 pfiles.1       := LINKSRC = proc.1
695 pflags.1       := LINKSRC = proc.1
696 pldd.1         := LINKSRC = proc.1
697 prun.1         := LINKSRC = proc.1
698 psig.1         := LINKSRC = proc.1
699 pstack.1       := LINKSRC = proc.1
700 pstop.1        := LINKSRC = proc.1
701 ptime.1        := LINKSRC = proc.1
702 pwait.1        := LINKSRC = proc.1
703 pwdx.1         := LINKSRC = proc.1

705 rmdir.1        := LINKSRC = rm.1

707 rmumount.1     := LINKSRC = rmmount.1

709 remote_shell.1 := LINKSRC = rsh.1
710 remsh.1        := LINKSRC = rsh.1

712 export.1       := LINKSRC = set.1

```

new/usr/src/man/man1/Makefile

12

```

713 setenv.1       := LINKSRC = set.1
714 unset.1        := LINKSRC = set.1
715 unsetenv.1     := LINKSRC = set.1

717 case.1        := LINKSRC = shell_builtins.1
718 for.1          := LINKSRC = shell_builtins.1
719 foreach.1      := LINKSRC = shell_builtins.1
720 function.1     := LINKSRC = shell_builtins.1
721 if.1           := LINKSRC = shell_builtins.1
722 repeat.1       := LINKSRC = shell_builtins.1
723 select.1       := LINKSRC = shell_builtins.1
724 switch.1       := LINKSRC = shell_builtins.1
725 until.1        := LINKSRC = shell_builtins.1
726 while.1        := LINKSRC = shell_builtins.1

728 hashcheck.1    := LINKSRC = spell.1
729 hashmake.1     := LINKSRC = spell.1
730 spellin.1      := LINKSRC = spell.1

732 strconf.1      := LINKSRC = strchg.1

734 settime.1      := LINKSRC = touch.1

736 onintr.1       := LINKSRC = trap.1

738 false.1        := LINKSRC = true.1

740 whence.1       := LINKSRC = typeset.1

742 # Links to usr/has/man

744 edit.1         := LINKSRC = ../../../has/man/man1has/edit.1has

746 vedit.1        := LINKSRC = ../../../has/man/man1has/vi.1has

748 .KEEP_STATE:

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

752 install:        $(ROOTMANFILES) $(ROOTMANLINKS)

```

new/usr/src/man/man1/ftp.1

1

35927 Fri Aug 15 19:22:21 2014

new/usr/src/man/man1/ftp.1

5069 Removal of wu-ftpd

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```
1 \" te
2.\" Copyright 1989 AT&T
3.\" Copyright (c) 2006, Sun Microsystems, Inc. All Rights Reserved
4.\" The contents of this file are subject to the terms of the Common Development
5.\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
6.\" When distributing Covered Code, include this CDDL HEADER in each file and in
7.TH FTP 1 "Jun 6, 2006"
8.SH NAME
9 ftp \- file transfer program
10.SH SYNOPSIS
11.LP
12.nf
13 \fBftp\fR [\fB-adfginpstv\fR] [\fB-m\fR \fFIGSS Mech\fR] [\fB-T\fR \fFitimeout\fR
14 [\fIhostname\fR [\fIport\fR]]
15.fi
17.SH DESCRIPTION
18.sp
18.LP
19 The \fBftp\fR command is the user interface to the \fBInternet\fR standard File
20 Transfer Protocol (\fBFTP\fR). \fBftp\fR transfers files to and from a remote
21 network site.
22.sp
23.LP
24 The host and optional port with which \fBftp\fR is to communicate can be
25 specified on the command line. If this is done, \fBftp\fR immediately attempts
26 to establish a connection to an \fBFTP\fR server on that host. Otherwise,
27 \fBftp\fR enters its command interpreter and awaits instructions from the user.
28 When \fBftp\fR is awaiting commands from the user, it displays the prompt
29 \fBftp>\fR.
30.SH OPTIONS
32.sp
32.LP
33 The following options can be specified at the command line, or to the command
34 interpreter:
34.sp
35.ne 2
36.na
37 \fB-fB-a\fR\fR
38.ad
39.RS 14n
40 Uses \fBfBSSAPI\fR authentication \fBfBonly\fR. If the authentication fails, this
41 option closes the connection.
42.RE
44.sp
45.ne 2
46.na
47 \fB-fB-d\fR\fR
48.ad
49.RS 14n
50 Enables debugging.
51.RE
```

new/usr/src/man/man1/ftp.1

2

```
53 .sp
54 .ne 2
55 .na
56 \fB-fB-f\fR\fR
57.ad
58.RS 14n
59 Forwards local security credentials to the remote server.
60.RE
62.sp
63.ne 2
64.na
65 \fB-fB-g\fR\fR
66.ad
67.RS 14n
68 Disables filename "globbing".
69.RE
71.sp
72.ne 2
73.na
74 \fB-fB-i\fR\fR
75.ad
76.RS 14n
77 Turns off interactive prompting during multiple file transfers.
78.RE
80.sp
81.ne 2
82.na
83 \fB-fB-m\fR\fR
84.ad
85.RS 14n
86 Specifies the \fBfBSS\fR-\fBfBAPI\fR mechanism to use. The default is to use the
87 kerberos_v5 mechanism. Supported alternatives are defined in
88 \fBfB/etc/gss/mech\fR (see \fBfBmech\fR(4)).
89.RE
91.sp
92.ne 2
93.na
94 \fB-fB-n\fR\fR
95.ad
96.RS 14n
97 Does not attempt "auto-login" upon initial connection. If auto-login is not
98 disabled, \fBftp\fR checks the \fBfB&.netrc\fR file in the user's home directory
99 for an entry describing an account on the remote machine. If no entry exists,
100 \fBftp\fR prompts for the login name of the account on the remote machine (the
101 default is the login name on the local machine), and, if necessary, prompts for
102 a password and an account with which to login.
103.RE
105.sp
106.ne 2
107.na
108 \fB-fB-p\fR\fR
109.ad
110.RS 14n
111 Enables passive mode for data transfers. This command is useful when connecting
112 to a remote host from behind a connection filtering firewall.
113.RE
115.sp
116.ne 2
117.na
118 \fB-fB-s\fR\fR
```

```

119 .ad
120 .RS 14n
121 Skips the \fBSYST\fR command that is sent by default to all remote servers upon
122 connection. The system command is what enables the automatic use of binary mode
123 rather than the protocol default ascii mode.
124 .sp
125 As some older servers cannot handle the \fBftp\fR command, this directive is
126 provided to allow inter-operability with these servers.
127 .RE

129 .sp
130 .ne 2
131 .na
132 \fB\fB-t\fR\fR
133 .ad
134 .RS 14n
135 Enables packet tracing (unimplemented).
136 .RE

138 .sp
139 .ne 2
140 .na
141 \fB\fB-T\fR \fItimeout\fR\fR
142 .ad
143 .RS 14n
144 Enables global connection timer, specified in seconds (decimal). There is a
145 timer for the control connection that is reset when anything is sent to the
146 server and disabled while the client is prompting for user input. Another
147 independent timer is used to monitor incoming or outgoing data connections.
148 .RE

150 .sp
151 .ne 2
152 .na
153 \fB\fB-v\fR\fR
154 .ad
155 .RS 14n
156 Shows all responses from the remote server, as well as report on data transfer
157 statistics. This is turned on by default if \fBftp\fR is running interactively
158 with its input coming from the user's terminal.
159 .RE

161 .sp
162 .ne 2
163 .na
164 \fB\fB-x\fR\fR
165 .ad
166 .RS 14n
167 Attempts to use \fBGSAPI\fR for authentication and encryption. Data and
168 Command channel protection is set to "\fBprivate\fR".
169 .RE

171 .sp
172 .LP
173 The following commands can be specified to the command interpreter:
174 .sp
175 .ne 2
176 .na
177 \fB\fB!\fR\fR
178 .ad
179 .sp .6
180 .RS 4n
181 [ \fIcommand\fR ] Runs \fIcommand\fR as a shell command on the local machine.
182 If no \fIcommand\fR is given, invokes an interactive shell.
183 .RE

```

```

185 .sp
186 .ne 2
187 .na
188 \fB\fB$\fR \fImacro-name\fR [ \fIargs\fR ]\fR
189 .ad
190 .sp .6
191 .RS 4n
192 Executes the macro \fImacro-name\fR that was defined with the \fBmacdef\fR
193 command. Arguments are passed to the macro unglobbed.
194 .RE

196 .sp
197 .ne 2
198 .na
199 \fB\fBaccount\fR [ \fIpasswd\fR ]\fR
200 .ad
201 .sp .6
202 .RS 4n
203 Supplies a supplemental password required by a remote system for access to
204 resources once a login has been successfully completed. If no argument is
205 included, the user is prompted for an account password in a non-echoing input
206 mode.
207 .RE

209 .sp
210 .ne 2
211 .na
212 \fB\fBappend\fR \fIlocal-file\fR [ \fIremote-file\fR ]\fR
213 .ad
214 .sp .6
215 .RS 4n
216 Appends a local file to a file on the remote machine. If \fIremote-file\fR is
217 not specified, the local file name is used, subject to alteration by any
218 \fBntrans\fR or \fBnmap\fR settings. File transfer uses the current settings
219 for "representation type", "file structure", and "transfer mode".
220 .RE

222 .sp
223 .ne 2
224 .na
225 \fB\fBascii\fR\fR
226 .ad
227 .sp .6
228 .RS 4n
229 Sets the "representation type" to "network \fBASCII\fR". This is the default
230 type.
231 .RE

233 .sp
234 .ne 2
235 .na
236 \fB\fBbell\fR\fR
237 .ad
238 .sp .6
239 .RS 4n
240 Sounds a bell after each file transfer command is completed.
241 .RE

243 .sp
244 .ne 2
245 .na
246 \fB\fBbinary\fR\fR
247 .ad
248 .sp .6
249 .RS 4n
250 Sets the "representation type" to "image".

```

```

251 .RE

253 .sp
254 .ne 2
255 .na
256 \fB\fBbye\fR\fR
257 .ad
258 .sp .6
259 .RS 4n
260 Terminates the \fBFTP\fR session with the remote server and exit \fBftp\fR. An
261 \fBEOF\fR also terminates the session and exit.
262 .RE

264 .sp
265 .ne 2
266 .na
267 \fB\fBcase\fR\fR
268 .ad
269 .sp .6
270 .RS 4n
271 Toggles remote computer file name case mapping during \fBmget\fR commands. When
272 \fBcase\fR is on (default is off), remote computer file names with all letters
273 in upper case are written in the local directory with the letters mapped to
274 lower case.
275 .RE

277 .sp
278 .ne 2
279 .na
280 \fB\fBcd\fR \fIremote-directory\fR\fR
281 .ad
282 .sp .6
283 .RS 4n
284 Changes the working directory on the remote machine to \fIremote-directory\fR.
285 .RE

287 .sp
288 .ne 2
289 .na
290 \fB\fBcdup\fR\fR
291 .ad
292 .sp .6
293 .RS 4n
294 Changes the remote machine working directory to the parent of the current
295 remote machine working directory.
296 .RE

298 .sp
299 .ne 2
300 .na
301 \fB\fBclear\fR\fR
302 .ad
303 .sp .6
304 .RS 4n
305 Sets the protection level on data transfers to "\fBclear\fR". If no \fBADAT\fR
306 command succeeded, then this is the default protection level.
307 .RE

309 .sp
310 .ne 2
311 .na
312 \fB\fBclose\fR\fR
313 .ad
314 .sp .6
315 .RS 4n
316 Terminates the \fBFTP\fR session with the remote server, and return to the

```

```

317 command interpreter. Any defined macros are erased.
318 .RE

320 .sp
321 .ne 2
322 .na
323 \fB\fBcr\fR\fR
324 .ad
325 .sp .6
326 .RS 4n
327 Toggles RETURN stripping during "network \fBASCII\fR" type file retrieval.
328 Records are denoted by a RETURN/\fBLINEFEED\fR sequence during "network
329 \fBASCII\fR" type file transfer. When \fBcr\fR is on (the default), RETURN
330 characters are stripped from this sequence to conform with the UNIX system
331 single \fBLINEFEED\fR record delimiter. Records on non-UNIX-system remote hosts
332 can contain single \fBLINEFEED\fR characters; when an "network \fBASCII\fR"
333 type transfer is made, these \fBLINEFEED\fR characters can be distinguished
334 from a record delimiter only when \fBcr\fR is off.
335 .RE

337 .sp
338 .ne 2
339 .na
340 \fB\fBdelete\fR \fIremote-file\fR\fR
341 .ad
342 .sp .6
343 .RS 4n
344 Deletes the file \fIremote-file\fR on the remote machine.
345 .RE

347 .sp
348 .ne 2
349 .na
350 \fB\fBdebug\fR\fR
351 .ad
352 .sp .6
353 .RS 4n
354 Toggles debugging mode. When debugging is on, \fBftp\fR prints each command
355 sent to the remote machine, preceded by the string \fB->\fR&.
356 .RE

358 .sp
359 .ne 2
360 .na
361 \fB\fBdir\fR [ \fIremote-directory\fR [ \fIlocal-file\fR ] ]\fR
362 .ad
363 .sp .6
364 .RS 4n
365 Prints a listing of the directory contents in the directory,
366 \fIremote-directory\fR, and, optionally, placing the output in
367 \fIlocal-file\fR. If no directory is specified, the current working directory
368 on the remote machine is used. If no local file is specified, or
369 \fIlocal-file\fR is \fB(mi\fR, output is sent to the terminal.
370 .RE

372 .sp
373 .ne 2
374 .na
375 \fB\fBdisconnect\fR\fR
376 .ad
377 .sp .6
378 .RS 4n
379 A synonym for \fBclose\fR.
380 .RE

382 .sp

```

```

383 .ne 2
384 .na
385 \fB\fBform\fR [ \fIformat-name\fR ]\fR
386 .ad
387 .sp .6
388 .RS 4n
389 Sets the carriage control format subtype of the "representation type" to
390 \fIformat-name\fR. The only valid \fIformat-name\fR is \fBnon-print\fR, which
391 corresponds to the default "non-print" subtype.
392 .RE

394 .sp
395 .ne 2
396 .na
397 \fB\fBget\fR \fIremote-file\fR [ \fIlocal-file\fR ]\fR
398 .ad
399 .sp .6
400 .RS 4n
401 Retrieves the \fIremote-file\fR and store it on the local machine. If the local
402 file name is not specified, it is given the same name it has on the remote
403 machine, subject to alteration by the current \fBcase\fR, \fBntrans\fR, and
404 \fBnmap\fR settings. The current settings for "representation type", "file
405 structure", and "transfer mode" are used while transferring the file.
406 .RE

408 .sp
409 .ne 2
410 .na
411 \fB\fBglob\fR\fR
412 .ad
413 .sp .6
414 .RS 4n
415 Toggles filename expansion, or "globbing", for \fBmdelete\fR, \fBmget\fR and
416 \fBmput\fR. If globbing is turned off, filenames are taken literally.
417 .sp
418 Globbing for \fBmput\fR is done as in \fBsh\fR(1). For \fBmdelete\fR and
419 \fBmget\fR, each remote file name is expanded separately on the remote machine,
420 and the lists are not merged.
421 .sp
422 Expansion of a directory name is likely to be radically different from
423 expansion of the name of an ordinary file: the exact result depends on the
424 remote operating system and \fBFTP\fR server, and can be previewed with the
425 command, \fBm!s\fR \fIremote-files\fR \fI(mi.
426 .sp
427 \fBmget\fR and \fBmput\fR are not meant to transfer entire directory subtrees
428 of files. You can do this by transferring a \fBtar\fR(1) archive of the subtree
429 (using a "representation type" of "image" as set by the \fBbinary\fR command).
430 .RE

432 .sp
433 .ne 2
434 .na
435 \fB\fBhash\fR\fR
436 .ad
437 .sp .6
438 .RS 4n
439 Toggles hash-sign (\fB#\fR) printing for each data block transferred. The size
440 of a data block is 8192 bytes.
441 .RE

443 .sp
444 .ne 2
445 .na
446 \fB\fBhelp\fR [ \fIcommand\fR ]\fR
447 .ad
448 .sp .6

```

```

449 .RS 4n
450 Prints an informative message about the meaning of \fIcommand\fR. If no
451 argument is given, \fBftp\fR prints a list of the known commands.
452 .RE

454 .sp
455 .ne 2
456 .na
457 \fB\fBlcd\fR [ \fIdirectory\fR ]\fR
458 .ad
459 .sp .6
460 .RS 4n
461 Changes the working directory on the local machine. If no \fIdirectory\fR is
462 specified, the user's home directory is used.
463 .RE

465 .sp
466 .ne 2
467 .na
468 \fB\fBls\fR [ \fB-al\fR | \fIremote-directory\fR [ \fIlocal-file\fR ]]\fR
469 .ad
470 .sp .6
471 .RS 4n
472 By default, prints an abbreviated listing of the contents of a directory on the
473 remote machine. This default behavior can be changed to make \fBls\fR a synonym
474 of the \fBdir\fR command. This change can be achieved by setting
475 \fBFTP_LS_SENDS_NLST\fR to '\fBno\fR' in \fB/etc/default/ftp\fR or in the
476 environment. See \fBftp\fR(4) for details.
477 .sp
478 The \fB-a\fR option lists all entries, including those that begin with a dot
479 (\fB&.\fR), which are normally not listed. The \fB-l\fR option lists files in
480 long format, giving mode, number of links, owner, group, size in bytes, and
481 time of last modification for each file. If the file is a special file, the
482 size field instead contains the major and minor device numbers rather than a
483 size. If the file is a symbolic link, the filename is printed followed by
484 "\fB\(->\fR" and the pathname of the referenced file.
485 .sp
486 If \fIremote-directory\fR is left unspecified, the current working directory is
487 used.
488 .sp
489 If no local file is specified, or if \fIlocal-file\fR is \fB(mi\fR, the output
490 is sent to the terminal.
491 .RE

493 .sp
494 .ne 2
495 .na
496 \fB\fBmacrodef\fR \fImacro-name\fR\fR
497 .ad
498 .sp .6
499 .RS 4n
500 Defines a macro. Subsequent lines are stored as the macro \fImacro-name\fR. A
501 null line (consecutive \fBNEWLINE\fR characters in a file or RETURN characters
502 from the terminal) terminates macro input mode. There is a limit of 16 macros
503 and 4096 total characters in all defined macros. Macros remain defined until a
504 \fBclose\fR command is executed.
505 .sp
506 The macro processor interprets \fB$\fR and \fB\e\fR as special characters. A
507 \fB$\fR followed by a number (or numbers) is replaced by the corresponding
508 argument on the macro invocation command line. A \fB$\fR followed by an \fBi\fR
509 signals that macro processor that the executing macro is to be looped. On the
510 first pass, \fB$i\fR is replaced by the first argument on the macro invocation
511 command line; on the second pass, it is replaced by the second argument, and so
512 on. A \fB\e\fR followed by any character is replaced by that character. Use the
513 \fB\e\fR to prevent special treatment of the \fB$\fR.
514 .RE

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```

516 .sp
517 .ne 2
518 .na
519 \fB\fBmdelete\fR \fIremote-files\fR\fR
520 .ad
521 .sp .6
522 .RS 4n
523 Deletes the \fIremote-files\fR on the remote machine.
524 .RE

526 .sp
527 .ne 2
528 .na
529 \fB\fBmdir\fR \fIremote-files local-file\fR\fR
530 .ad
531 .sp .6
532 .RS 4n
533 Like \fBdir\fR, except multiple remote files can be specified. If interactive
534 prompting is on, \fBftp\fR prompts the user to verify that the last argument is
535 indeed the target local file for receiving \fBmdir\fR output.
536 .RE

538 .sp
539 .ne 2
540 .na
541 \fB\fBmget\fR \fIremote-files\fR\fR
542 .ad
543 .sp .6
544 .RS 4n
545 Expands the \fIremote-files\fR on the remote machine and do a \fBget\fR for
546 each file name thus produced. See \fBglob\fR for details on the filename
547 expansion. Resulting file names are processed according to \fBcase\fR,
548 \fBntrans\fR, and \fBnmap\fR settings. Files are transferred into the local
549 working directory, which can be changed with \fBlcd\fR \fIdirectory\fR. New
550 local directories can be created with \fB! mkdir\fR \fIdirectory\fR.
551 .RE

553 .sp
554 .ne 2
555 .na
556 \fB\fBmkdir\fR \fIdirectory-name\fR\fR
557 .ad
558 .sp .6
559 .RS 4n
560 Makes a directory on the remote machine.
561 .RE

563 .sp
564 .ne 2
565 .na
566 \fB\fBmlls\fR \fIremote-files local-file\fR\fR
567 .ad
568 .sp .6
569 .RS 4n
570 Like \fBls\fR(1), except multiple remote files can be specified. If interactive
571 prompting is on, \fBftp\fR prompts the user to verify that the last argument is
572 indeed the target local file for receiving \fBmlls\fR output.
573 .RE

575 .sp
576 .ne 2
577 .na
578 \fB\fBmode\fR [ \fImode-name\fR ]\fR
579 .ad
580 .sp .6

```

```

581 .RS 4n
582 Sets the "transfer mode" to \fImode-name\fR. The only valid \fImode-name\fR is
583 \fBstream\fR, which corresponds to the default "stream" mode. This
584 implementation only supports \fBstream\fR, and requires that it be specified.
585 .RE

587 .sp
588 .ne 2
589 .na
590 \fB\fBmput\fR \fIlocal-files\fR\fR
591 .ad
592 .sp .6
593 .RS 4n
594 Expands wild cards in the list of local files given as arguments and do a
595 \fBput\fR for each file in the resulting list. See \fBglob\fR for details of
596 filename expansion. Resulting file names are processed according to
597 \fBntrans\fR and \fBnmap\fR settings.
598 .RE

600 .sp
601 .ne 2
602 .na
603 \fB\fBnlist\fR [ \fB-a\fR | \fIremote-directory\fR [ \fIlocal-file\fR ]]\fR
604 .ad
605 .sp .6
606 .RS 4n
607 Prints an abbreviated listing of the contents of a directory on the remote
608 machine, listing only those files that can be retrieved by the \fBget\fR
609 command, unless the \fB-a\fR or \fB-l\fR option is used. If
610 \fIremote-directory\fR is left unspecified, the current working directory is
611 used.
612 .sp
613 The \fB-a\fR option lists all entries, including those that begin with a dot
614 (\fB-&.\fR), which are normally not listed. The \fB-l\fR option lists files in
615 long format the same way it does when used with the \fBls\fR command.
616 .RE

618 .sp
619 .ne 2
620 .na
621 \fB\fBnmap\fR [ \fIinpattern outpattern\fR ]\fR
622 .ad
623 .sp .6
624 .RS 4n
625 Sets or unsets the filename mapping mechanism. If no arguments are specified,
626 the filename mapping mechanism is unset. If arguments are specified, remote
627 filenames are mapped during \fBmput\fR commands and \fBput\fR commands issued
628 without a specified remote target filename. If arguments are specified, local
629 filenames are mapped during \fBmget\fR commands and \fBget\fR commands issued
630 without a specified local target filename.
631 .sp
632 This command is useful when connecting to a non-UNIX-system remote host with
633 different file naming conventions or practices. The mapping follows the pattern
634 set by \fIinpattern\fR and \fIoutpattern\fR. \fIinpattern\fR is a template for
635 incoming filenames (which can have already been processed according to the
636 \fBntrans\fR and \fBcase\fR settings). Variable templating is accomplished by
637 including the sequences \fB$1\fR, \fB$2\fR, \fB$3\fR, \fB$4\fR, \fB$5\fR, \fB$6\fR, \fB$7\fR, \fB$8\fR, \fB$9\fR in
638 \fIinpattern\fR. Use \fB\efR to prevent this special treatment of the \fB$\fR
639 character. All other characters are treated literally, and are used to
640 determine the \fBnmap\fR \fIinpattern\fR variable values.
641 .sp
642 For example, given \fIinpattern\fR \fB$1.$2\fR and the remote file name
643 \fBmydata.data\fR, \fB$1\fR would have the value \fBmydata\fR, and \fB$2\fR
644 would have the value \fBdata\fR.
645 .sp
646 The \fIoutpattern\fR determines the resulting mapped filename. The sequences

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647 \fB$1\fR, \fB$2\fR, \.|\.|\.|\, \fB$9\fR are replaced by any value resulting
648 from the \fIinpattern\fR template. The sequence \fB$0\fR is replaced by the
649 original filename. Additionally, the sequence [\fI\|seq1\|\fR,\fI\|seq2\|\fR]
650 is replaced by \fIseq1\fR if \fIseq1\fR is not a null string; otherwise it is
651 replaced by \fIseq2\fR.
652 .sp
653 For example, the command \fBnmap $1.$2.$3 [$1,$2].[$2,file]\fR would yield the
654 output filename \fBmyfile.data\fR for input filenames \fBmyfile.data\fR and
655 \fBmyfile.data.old\fR, \fBmyfile.file\fR for the input filename \fBmyfile\fR,
656 and \fBmyfile.myfile\fR for the input filename \fB&.myfile\fR. \fBSPACE\fR
657 characters can be included in \fIoutpattern\fR, as in the example \fBnmap $1 |
658 sed "s/ *$/" > $1\fR. Use the \fB\e\fR character to prevent special treatment
659 of the \fB$\fR, \fB[\fR, \fB]\fR, and \fB,\fR characters.
660 .RE

662 .sp
663 .ne 2
664 .na
665 \fB\fBntrans\fR [ \fIinchars\fR [ \fIoutchars\fR ] ]\fR
666 .ad
667 .sp .6
668 .RS 4n
669 Sets or unsets the filename character translation mechanism. If no arguments
670 are specified, the filename character translation mechanism is unset. If
671 arguments are specified, characters in remote filenames are translated during
672 \fBmput\fR commands and \fBput\fR commands issued without a specified remote
673 target filename, and characters in local filenames are translated during
674 \fBmget\fR commands and \fBget\fR commands issued without a specified local
675 target filename.
676 .sp
677 This command is useful when connecting to a non-UNIX-system remote host with
678 different file naming conventions or practices. Characters in a filename
679 matching a character in \fIinchars\fR are replaced with the corresponding
680 character in \fIoutchars\fR. If the character's position in \fIinchars\fR is
681 longer than the length of \fIoutchars\fR, the character is deleted from the
682 file name.
683 .sp
684 Only 16 characters can be translated when using the \fBntrans\fR command under
685 \fBftp\fR. Use \fBcase\fR (described above) if needing to convert the entire
686 alphabet.
687 .RE

689 .sp
690 .ne 2
691 .na
692 \fB\fBopen\fR \fIhost\fR [ \fIport\fR ]\fR
693 .ad
694 .sp .6
695 .RS 4n
696 Establishes a connection to the specified \fIhost\fR \fBFTP\fR server. An
697 optional port number can be supplied, in which case, \fBftp\fR attempts to
698 contact an \fBFTP\fR server at that port. If the \fBauto-login\fR option is on
699 (default setting), \fBftp\fR also attempts to automatically log the user in to
700 the \fBFTP\fR server.
701 .RE

703 .sp
704 .ne 2
705 .na
706 \fB\fBpassive\fR\fR
707 .ad
708 .sp .6
709 .RS 4n
710 Toggles passive mode. When passive mode is turned on, the ftp client sends the
711 \fBPASV\fR command requesting that the \fBFTP\fR server open a port for the
712 data connection and return the address of that port. The remote server listens

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713 on that port and the client connects to it. When passive mode is turned off,
714 the ftp client sends the \fBPORT\fR command to the server specifying an address
715 for the remote server to connect back to. Passive mode is useful when the
716 connections to the ftp client are controlled, for example, when behind a
717 firewall. When connecting to an IPv6-enabled \fBFTP\fR server, \fBEP SV\fR can
718 be used in place of \fBPASV\fR and \fBEPRT\fR in place of \fBPORT\fR.
719 .RE

721 .sp
722 .ne 2
723 .na
724 \fB\fBprivate\fR\fR
725 .ad
726 .sp .6
727 .RS 4n
728 Sets the protection level on data transfers to "\fBprivate\fR". Data
729 transmissions are confidentiality\em and integrity\em protected by encryption.
730 If no \fBADAT\fR command succeeded, then the only possible level is "clear".
731 .RE

733 .sp
734 .ne 2
735 .na
736 \fB\fBprompt\fR\fR
737 .ad
738 .sp .6
739 .RS 4n
740 Toggles interactive prompting. Interactive prompting occurs during multiple
741 file transfers to allow the user to selectively retrieve or store files. By
742 default, prompting is turned on. If prompting is turned off, any \fBmget\fR or
743 \fBmput\fR transfers all files, and any \fBdelete\fR deletes all files.
744 .RE

746 .sp
747 .ne 2
748 .na
749 \fB\fBprotect\fR \fIprotection-level\fR\fR
750 .ad
751 .sp .6
752 .RS 4n
753 Sets the protection level on data transfers to \fIprotection-level\fR. The
754 valid protection levels are "\fBclear\fR" for unprotected data transmissions,
755 "\fBsafe\fR" for data transmissions that are integrity-protected by
756 cryptographic checksum, and "\fBprivate\fR" for data transmissions that are
757 confidentiality\em and integrity\em protected by encryption. If no \fBADAT\fR
758 command succeeded, then the only possible level is "\fBclear\fR". If no level
759 is specified, the current level is printed. The default protection level is
760 "\fBclear\fR".
761 .RE

763 .sp
764 .ne 2
765 .na
766 \fB\fBproxy\fR \fIiftp-command\fR\fR
767 .ad
768 .sp .6
769 .RS 4n
770 Executes an \fBFTP\fR command on a secondary control connection. This command
771 allows simultaneous connection to two remote \fBFTP\fR servers for transferring
772 files between the two servers. The first \fBproxy\fR command should be an
773 \fBopen\fR, to establish the secondary control connection. Enter the command
774 \fBproxy\fR \fB?\fR to see other \fBFTP\fR commands executable on the secondary
775 connection.
776 .sp
777 The following commands behave differently when prefaced by \fBproxy\fR:
778 \fBopen\fR does not define new macros during the auto-login process,

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779 \fBclose\fR does not erase existing macro definitions, \fBget\fR and \fBmget\fR
 780 transfer files from the host on the primary control connection to the host on
 781 the secondary control connection, and \fBput\fR, \fBputd\fR, and \fBappend\fR
 782 transfer files from the host on the secondary control connection to the host on
 783 the primary control connection.
 784 .sp
 785 Third party file transfers depend upon support of the \fBPASV\fR command by the
 786 server on the secondary control connection.
 787 .RE

789 .sp
 790 .ne 2
 791 .na
 792 \fB\fBput\fR \fIlocal-file\fR [\fIremote-file\fR]\fR
 793 .ad
 794 .sp .6
 795 .RS 4n
 796 Stores a local file on the remote machine. If \fIremote-file\fR is left
 797 unspecified, the local file name is used after processing according to any
 798 \fBntrans\fR or \fBnmap\fR settings in naming the remote file. File transfer
 799 uses the current settings for "representation type", "file structure", and
 800 "transfer mode".
 801 .RE

803 .sp
 804 .ne 2
 805 .na
 806 \fB\fBpwd\fR\fR
 807 .ad
 808 .sp .6
 809 .RS 4n
 810 Prints the name of the current working directory on the remote machine.
 811 .RE

813 .sp
 814 .ne 2
 815 .na
 816 \fB\fBquit\fR\fR
 817 .ad
 818 .sp .6
 819 .RS 4n
 820 A synonym for \fBbye\fR.
 821 .RE

823 .sp
 824 .ne 2
 825 .na
 826 \fB\fBquote\fR \fIarg1 arg2\fR ... \fR
 827 .ad
 828 .sp .6
 829 .RS 4n
 830 Sends the arguments specified, verbatim, to the remote \fBFTP\fR server. A
 831 single \fBFTP\fR reply code is expected in return. (The \fBremotehelp\fR
 832 command displays a list of valid arguments.)
 833 .sp
 834 \fBquote\fR should be used only by experienced users who are familiar with the
 835 FTP protocol.
 836 .RE

838 .sp
 839 .ne 2
 840 .na
 841 \fB\fBrecv\fR \fIremote-file\fR [\fIlocal-file\fR]\fR
 842 .ad
 843 .sp .6
 844 .RS 4n

845 A synonym for \fBget\fR.
 846 .RE

848 .sp
 849 .ne 2
 850 .na
 851 \fB\fBbreget\fR \fIremote-file\fR [\fIlocal-file\fR]\fR
 852 .ad
 853 .sp .6
 854 .RS 4n
 855 The \fBbreget\fR command acts like \fBget\fR, except that if \fIlocal-file\fR
 856 exists and is smaller than \fIremote-file\fR, \fIlocal-file\fR is presumed to
 857 be a partially transferred copy of \fIremote-file\fR and the transfer is
 858 continued from the apparent point of failure. This command is useful when
 859 transferring large files over networks that are prone to dropping connections.
 860 .RE

862 .sp
 863 .ne 2
 864 .na
 865 \fB\fBremotehelp\fR [\fIcommand-name\fR]\fR
 866 .ad
 867 .sp .6
 868 .RS 4n
 869 Requests help from the remote \fBFTP\fR server. If a \fIcommand-name\fR is
 870 specified it is supplied to the server as well.
 871 .RE

873 .sp
 874 .ne 2
 875 .na
 876 \fB\fBrename\fR \fIfrom to\fR\fR
 877 .ad
 878 .sp .6
 879 .RS 4n
 880 Renames the file \fIfrom\fR on the remote machine to have the name \fIto\fR.
 881 .RE

883 .sp
 884 .ne 2
 885 .na
 886 \fB\fBreset\fR\fR
 887 .ad
 888 .sp .6
 889 .RS 4n
 890 Clears reply queue. This command re-synchronizes command/reply sequencing with
 891 the remote \fBFTP\fR server. Resynchronization can be necessary following a
 892 violation of the \fBFTP\fR protocol by the remote server.
 893 .RE

895 .sp
 896 .ne 2
 897 .na
 898 \fB\fBrestart\fR [\fImarker\fR]\fR
 899 .ad
 900 .sp .6
 901 .RS 4n
 902 Restarts the immediately following \fBget\fR or \fBput\fR at the indicated
 903 marker. On UNIX systems, \fImarker\fR is usually a byte offset into the file.
 904 When followed by an \fBmget\fR, the \fBrestart\fR applies to the first
 905 \fBget\fR performed. Specifying a \fImarker\fR of \fB0\fR clears the restart
 906 marker. If no argument is specified, the current restart status is displayed.
 907 .RE

909 .sp
 910 .ne 2

```

911 .na
912 \fB\fBrmdir\fR \fIdirectory-name\fR\fR
913 .ad
914 .sp .6
915 .RS 4n
916 Deletes a directory on the remote machine.
917 .RE

919 .sp
920 .ne 2
921 .na
922 \fB\fBrunique\fR\fR
923 .ad
924 .sp .6
925 .RS 4n
926 Toggles storing of files on the local system with unique filenames. If a file
927 already exists with a name equal to the target local filename for a \fBget\fR
928 or \fBmget\fR command, a \fB&.1\fR is appended to the name. If the resulting
929 name matches another existing file, a \fB&.2\fR is appended to the original
930 name. If this process continues up to \fB&.99\fR, an error message is printed,
931 and the transfer does not take place. The generated unique filename is
932 reported. \fBrunique\fR does not affect local files generated from a shell
933 command. The default value is off.
934 .RE

936 .sp
937 .ne 2
938 .na
939 \fB\fBsafe\fR\fR
940 .ad
941 .sp .6
942 .RS 4n
943 Sets the protection level on data transfers to "\fBsafe\fR". Data transmissions
944 are integrity-protected by cryptographic checksum. If no \fBADAT\fR command
945 succeeded, then the only possible level is "\fBclear\fR".
946 .RE

948 .sp
949 .ne 2
950 .na
951 \fB\fBsend\fR \fIlocal-file\fR [ \fIremote-file\fR ]\fR
952 .ad
953 .sp .6
954 .RS 4n
955 A synonym for \fBput\fR.
956 .RE

958 .sp
959 .ne 2
960 .na
961 \fB\fBsendport\fR\fR
962 .ad
963 .sp .6
964 .RS 4n
965 Toggles the use of \fBPORT\fR commands. By default, \fBftp\fR attempts to use a
966 \fBPORT\fR command when establishing a connection for each data transfer. The
967 use of \fBPORT\fR commands can prevent delays when performing multiple file
968 transfers. If the \fBPORT\fR command fails, \fBftp\fR uses the default data
969 port. When the use of \fBPORT\fR commands is disabled, no attempt is made to
970 use \fBPORT\fR commands for each data transfer. This is useful when connected
971 to certain \fBFTP\fR implementations that ignore \fBPORT\fR commands but
972 incorrectly indicate they have been accepted.
973 .RE

975 .sp
976 .ne 2

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```

977 .na
978 \fB\fBsite\fR \fIarg1\fR [ \fIarg2\fR ] ... \fR
979 .ad
980 .sp .6
981 .RS 4n
982 Sends the arguments specified, verbatim, to the remote \fBFTP\fR server as a
983 \fBSITE\fR command.
984 .RE

986 .sp
987 .ne 2
988 .na
989 \fB\fBstatus\fR\fR
990 .ad
991 .sp .6
992 .RS 4n
993 Show the current status of \fBftp\fR.
994 .RE

996 .sp
997 .ne 2
998 .na
999 \fB\fBstruct\fR [ \fIstruct-name\fR ]\fR
1000 .ad
1001 .sp .6
1002 .RS 4n
1003 Sets the file structure to \fIstruct-name\fR. The only valid \fIstruct-name\fR
1004 is \fBfile\fR, which corresponds to the default "file" structure. The
1005 implementation only supports \fBfile\fR, and requires that it be specified.
1006 .RE

1008 .sp
1009 .ne 2
1010 .na
1011 \fB\fBsunique\fR\fR
1012 .ad
1013 .sp .6
1014 .RS 4n
1015 Toggles storing of files on remote machine under unique file names. The remote
1016 \fBFTP\fR server must support the \fBSTOU\fR command for successful completion.
1017 The remote server reports the unique name. Default value is off.
1018 .RE

1020 .sp
1021 .ne 2
1022 .na
1023 \fB\fBtcpwindow\fR [ \fIsize\fR ]\fR
1024 .ad
1025 .sp .6
1026 .RS 4n
1027 Sets the \fBTCP\fR window size to be used for data connections. Specifying a
1028 size of \fB0\fR stops the explicit setting of the \fBTCP\fR window size on data
1029 connections. If no argument is specified, the current setting is displayed.
1030 .RE

1032 .sp
1033 .ne 2
1034 .na
1035 \fB\fBtenex\fR\fR
1036 .ad
1037 .sp .6
1038 .RS 4n
1039 Sets the "representation type" to that needed to talk to \fBTENEX\fR machines.
1040 .RE

1042 .sp

```

```

1043 .ne 2
1044 .na
1045 \fB\fBtrace\fR\fR
1046 .ad
1047 .sp .6
1048 .RS 4n
1049 Toggles packet tracing (unimplemented).
1050 .RE

1052 .sp
1053 .ne 2
1054 .na
1055 \fB\fBtype\fR [ \fItype-name\fR ]\fR
1056 .ad
1057 .sp .6
1058 .RS 4n
1059 Sets the "representation type" to \fItype-name\fR. The valid \fItype-name\fRs
1060 are \fBascii\fR for "network \fBASCII\fR", \fBbinary\fR or \fBimage\fR for
1061 "image", and \fBtenex\fR for "local byte size" with a byte size of 8 (used to
1062 talk to \fBTENEX\fR machines). If no type is specified, the current type is
1063 printed. The default type is "network \fBASCII\fR".
1064 .RE

1066 .sp
1067 .ne 2
1068 .na
1069 \fB\fBuser\fR \fIuser-name\fR [ \fIpassword\fR [ \fIaccount\fR ]]\fR
1070 .ad
1071 .sp .6
1072 .RS 4n
1073 Identify yourself to the remote \fBFTP\fR server. If the password is not
1074 specified and the server requires it, \fBftp\fR prompts the user for it (after
1075 disabling local echo). If an account field is not specified, and the \fBFTP\fR
1076 server requires it, the user is prompted for it. If an account field is
1077 specified, an account command is relayed to the remote server after the login
1078 sequence is completed if the remote server did not require it for logging in.
1079 Unless \fBftp\fR is invoked with "auto-login" disabled, this process is done
1080 automatically on initial connection to the \fBFTP\fR server.
1081 .RE

1083 .sp
1084 .ne 2
1085 .na
1086 \fB\fBverbose\fR\fR
1087 .ad
1088 .sp .6
1089 .RS 4n
1090 Toggles verbose mode. In verbose mode, all responses from the \fBFTP\fR server
1091 are displayed to the user. In addition, if verbose mode is on, when a file
1092 transfer completes, statistics regarding the efficiency of the transfer are
1093 reported. By default, verbose mode is on if \fBftp\fR's commands are coming
1094 from a terminal, and off otherwise.
1095 .RE

1097 .sp
1098 .ne 2
1099 .na
1100 \fB\fB? \fR [ \fIcommand\fR ]\fR
1101 .ad
1102 .sp .6
1103 .RS 4n
1104 A synonym for \fBhelp\fR.
1105 .RE

1107 .sp
1108 .LP

```

```

1109 Command arguments which have embedded spaces can be quoted with quote (\fB"\fR)
1110 marks.
1111 .sp
1112 .LP
1113 If any command argument which is not indicated as being optional is not
1114 specified, \fBftp\fR prompts for that argument.
1115 .SH ABORTING A FILE TRANSFER
1116 .sp
1117 .LP
1118 To abort a file transfer, use the terminal interrupt key. Sending transfers is
1119 immediately halted. Receiving transfers are halted by sending an \fBFTP\fR
1120 protocol \fBABOR\fR command to the remote server, and discarding any further
1121 data received. The speed at which this is accomplished depends upon the remote
1122 server's support for \fBABOR\fR processing. If the remote server does not
1123 support the \fBABOR\fR command, an \fBftp>\fR prompt does not appear until the
1124 remote server has completed sending the requested file.
1125 .sp
1126 .LP
1127 The terminal interrupt key sequence is ignored when \fBftp\fR has completed any
1128 local processing and is awaiting a reply from the remote server. A long delay
1129 in this mode can result from the \fBABOR\fR processing described above, or from
1130 unexpected behavior by the remote server, including violations of the ftp
1131 protocol. If the delay results from unexpected remote server behavior, the
1132 local \fBftp\fR program must be killed by hand.
1133 .SH FILE NAMING CONVENTIONS
1134 .sp
1135 .LP
1136 Local files specified as arguments to \fBftp\fR commands are processed
1137 according to the following rules.
1138 .sp
1139 .ne 2
1140 .na
1141 \fB1)\fR
1142 .ad
1143 .RS 6n
1144 If the file name \fB(mi)\fR is specified, the standard input (for reading) or
1145 standard output (for writing) is used.
1146 .RE

1146 .sp
1147 .ne 2
1148 .na
1149 \fB2)\fR
1150 .ad
1151 .RS 6n
1152 If the first character of the file name is \fB|\fR, the remainder of the
1153 argument is interpreted as a shell command. \fBftp\fR then forks a shell, using
1154 \fBpopen(3C)\fR with the argument supplied, and reads (writes) from the
1155 standard output (standard input) of that shell. If the shell command includes
1156 SPACE characters, the argument must be quoted; for example \fB"| ls
1157 \fR\fB-lt\fR\fB"\fR. A particularly useful example of this mechanism is:
1158 \fB"dir | more"\fR.
1159 .RE

1161 .sp
1162 .ne 2
1163 .na
1164 \fB3)\fR
1165 .ad
1166 .RS 6n
1167 Failing the above checks, if globbing is enabled, local file names are expanded
1168 according to the rules used in the \fBsh(1)\fR; see the \fBglob\fR command. If
1169 the \fBftp\fR command expects a single local file (for example, \fBput\fR),
1170 only the first filename generated by the globbing operation is used.
1171 .RE

```

```

1173 .sp
1174 .ne 2
1175 .na
1176 \fB4)\fR
1177 .ad
1178 .RS 6n
1179 For \fBmget\fR commands and \fBget\fR commands with unspecified local file
1180 names, the local filename is the remote filename, which can be altered by a
1181 \fBcase\fR, \fBntrans\fR, or \fBnmap\fR setting. The resulting filename can
1182 then be altered if \fBrunique\fR is on.
1183 .RE

1185 .sp
1186 .ne 2
1187 .na
1188 \fB5)\fR
1189 .ad
1190 .RS 6n
1191 For \fBmput\fR commands and \fBput\fR commands with unspecified remote file
1192 names, the remote filename is the local filename, which can be altered by a
1193 \fBntrans\fR or \fBnmap\fR setting. The resulting filename can then be altered
1194 by the remote server if \fBsunique\fR is on.
1195 .RE

1197 .SH FILE TRANSFER PARAMETERS
1202 .sp
1198 .LP
1199 The \fBFTP\fR specification specifies many parameters which can affect a file
1200 transfer.
1201 .sp
1202 .LP
1203 The "representation type" can be one of "network \fBASCII\fR", "\fBEBDIC\fR",
1204 "image", or "local byte size" with a specified byte size (for PDP-10's and
1205 PDP-20's mostly). The "network \fBASCII\fR" and "\fBEBDIC\fR" types have a
1206 further subtype which specifies whether vertical format control (\fBNEWLINE\fR
1207 characters, form feeds, and so on) are to be passed through ("non-print"),
1208 provided in \fBTELNET\fR format ("\fBTELNET\fR format controls"), or provided
1209 in \fBASA\fR (\fBFORTAN\fR) ("carriage control (\fBASA\fR)") format. \fBftp\fR
1210 supports the "network \fBASCII\fR" (subtype "non-print" only) and "image"
1211 types, plus "local byte size" with a byte size of 8 for communicating with
1212 \fBTENEX\fR machines.
1213 .sp
1214 .LP
1215 The "file structure" can be one of \fBfile\fR (no record structure),
1216 \fBrecord\fR, or \fBpage\fR. \fBftp\fR supports only the default value, which
1217 is \fBfile\fR.
1218 .sp
1219 .LP
1220 The "transfer mode" can be one of \fBstream\fR, \fBblock\fR, or
1221 \fBcompressed\fR. \fBftp\fR supports only the default value, which is
1222 \fBstream\fR.
1223 .SH USAGE
1224 .sp
1225 See \fBlargefile\fR(5) for the description of the behavior of \fBftp\fR when
1226 encountering files greater than or equal to 2 Gbyte (231 bytes).
1227 .sp
1228 .LP
1229 The \fBftp\fR command is IPv6-enabled. See \fBip6\fR(7P).
1230 .SH FILES
1231 .sp
1232 \fB-/netrc\fR
1233 .SH ATTRIBUTES
1234 .LP

```

```

1235 See \fBattributes\fR(5) for descriptions of the following attributes:
1236 .sp

1238 .sp
1239 .TS
1240 box;
1241 c | c
1242 l | l .
1243 ATTRIBUTE TYPE    ATTRIBUTE VALUE
1244 _
1245 CSI              enabled
1246 .TE

1248 .SH SEE ALSO
1257 .sp
1249 .LP
1250 \fBls\fR(1), \fBrcp\fR(1), \fBsh\fR(1), \fBtar\fR(1),
1251 \fBls\fR(1), \fBrcp\fR(1), \fBsh\fR(1), \fBtar\fR(1), \fBin.ftpd\fR(1M),
1251 \fBpopen\fR(3C), \fBftp\fR(4), \fBftputers\fR(4), \fBmech\fR(4),
1252 \fBnetrc\fR(4), \fBattributes\fR(5), \fBlargefile\fR(5), \fBip6\fR(7P)
1253 .sp
1254 .LP
1255 Allman, M., Ostermann, S., and Metz, C. \fIRFC 2428, FTP Extensions for IPv6
1256 and NATs\fR. The Internet Society. September 1998.
1257 .sp
1258 .LP
1259 Lunt, S. J. \fIRFC 2228, FTP Security Extensions\fR. Internet Draft. November
1260 1993.
1261 .sp
1262 .LP
1263 Postel, Jon, and Joyce Reynolds. \fIRFC 959, File Transfer Protocol (FTP )\fR.
1264 Network Information Center. October 1985.
1265 .sp
1266 .LP
1267 Piscitello, D. \fIRFC 1639, FTP Operation Over Big Address Records (FOOBAR)\fR.
1268 Network Working Group. June 1994.
1269 .SH NOTES
1279 .sp
1270 .LP
1271 Failure to log in can arise from an explicit denial by the remote \fBFTP\fR
1272 server because the account is listed in \fB/etc/ftputers\fR. See
1273 \fBftputers\fR(4).
1283 \fBin.ftpd\fR(1M) and \fBftputers\fR(4).
1274 .sp
1275 .LP
1276 Correct execution of many commands depends upon proper behavior by the remote
1277 server.
1278 .sp
1279 .LP
1280 An error in the treatment of carriage returns in the 4.2 \fBBSD\fR code
1281 handling transfers with a "representation type" of "network \fBASCII\fR" has
1282 been corrected. This correction can result in incorrect transfers of binary
1283 files to and from 4.2 \fBBSD\fR servers using a "representation type" of
1284 "network \fBASCII\fR". Avoid this problem by using the "image" type.

```

new/usr/src/man/man1m/Makefile

1

14806 Fri Aug 15 19:22:22 2014

new/usr/src/man/man1m/Makefile

5069 Removal of wu-ftp

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```
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               adbggen.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   \
```

new/usr/src/man/man1m/Makefile

2

```
55 busstat.1m      \
56 cachebsd.1m     \
57 cachebsdlog.1m  \
58 cachebspack.1m  \
59 cachebsstat.1m  \
60 cachebswsize.1m \
61 captinfo.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 dlmgmt.1m       \
115 dmesg.1m        \
116 dminfo.1m       \
117 dns-sd.1m       \
118 domainname.1m   \
119 drvconfig.1m    \
120 dsbitmap.1m     \
```

new/usr/src/man/man1m/Makefile

```
121      dscfg.1m      \
122      dscfgadm.1m   \
123      dscfglockd.1m \
124      dsstat.1m     \
125      dsvcllockd.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      ftpaddhost.1m \
161      ftpconfig.1m  \
162      ftprestart.1m \
163      ftpshut.1m    \
164      fuser.1m      \
165      fwflash.1m    \
166      fwtmp.1m      \
167      getdev.1m     \
168      getdevpolicy.1m \
169      getdgrp.1m    \
170      getent.1m     \
171      gettable.1m   \
172      getty.1m      \
173      getvol.1m     \
174      groupadd.1m   \
175      groupdel.1m   \
176      groupmod.1m   \
177      growfs.1m     \
178      gsscred.1m    \
179      gssd.1m       \
180      hal-device.1m \
181      hal-fdi-validate.1m \
182      hal-find.1m   \
183      hal-get-property.1m \
184      hald.1m       \
185      halt.1m       \
186      hextoolabel.1m \
```

3

new/usr/src/man/man1m/Makefile

```
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   \
191      ifconfig.1m   \
192      ifparse.1m    \
193      iadm.1m       \
194      iicpbmp.1m    \
195      iicpsd.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.discarded.1m \
203      in.echod.1m   \
204      in.fingerd.1m \
205      in.ftpd.1m    \
206      in.iked.1m    \
207      in.lpd.1m     \
208      in.mpathd.1m  \
209      in.ndpd.1m    \
210      in.rarpd.1m   \
211      in.rdisc.1m   \
212      in.rexecd.1m  \
213      in.ripngd.1m  \
214      in.rlogind.1m \
215      in.routed.1m  \
216      in.rshd.1m    \
217      in.rwhod.1m   \
218      in.talkd.1m   \
219      in.telnetd.1m \
220      in.tftpd.1m   \
221      in.timed.1m   \
222      in.uucpd.1m   \
223      inetadm.1m    \
224      inetconv.1m   \
225      inetd.1m      \
226      infocmp.1m    \
227      init.1m       \
228      inityp2l.1m   \
229      install.1m    \
230      installf.1m   \
231      installgrub.1m \
232      intrd.1m      \
233      intrstat.1m   \
234      iostat.1m     \
235      ipaddrsel.1m  \
236      ipadm.1m      \
237      ipdadm.1m     \
238      ipf.1m        \
239      ipfs.1m       \
240      ipfstat.1m    \
241      ipmon.1m      \
242      ipmpstat.1m   \
243      ipnat.1m      \
244      ippool.1m     \
245      ipqosconf.1m  \
246      ipsecalg.1m   \
247      ipsecconf.1m  \
248      ipseckey.1m   \
```

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new/usr/src/man/man1m/Makefile

```

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      kclient.1m       \
257      kdb5_ldap_util.1m \
258      kdb5_util.1m     \
259      kdcmgr.1m        \
260      kernel.1m        \
261      keyserv.1m       \
262      killall.1m       \
263      kprop.1m         \
264      kproptd.1m       \
265      kproplog.1m      \
266      krb5kdc.1m       \
267      ksslcfg.1m       \
268      kstat.1m         \
269      ktkt_warnd.1m    \
270      labelit.1m       \
271      labelit_hfs.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      lpssystem.1m     \
296      lpusers.1m       \
297      luxadm.1m        \
298      mail.local.1m    \
299      makedbm.1m       \
300      makemap.1m       \
301      mdmonitor.1m     \
302      medstat.1m       \
303      metaclear.1m     \
304      metadb.1m        \
305      metadevadm.1m    \
306      metahs.1m        \
307      metaimport.1m    \
308      metainit.1m      \
309      metaoffline.1m   \
310      metaparam.1m     \
311      metarecover.1m   \
312      metarename.1m    \
313      metareplace.1m   \

```

5

new/usr/src/man/man1m/Makefile

```

314      metaroot.1m      \
315      metaset.1m       \
316      metassist.1m     \
317      metastat.1m     \
318      metasync.1m     \
319      metattach.1m     \
320      mkdevalloc.1m    \
321      mkdevmaps.1m     \
322      mkfifo.1m        \
323      mkfile.1m        \
324      mkfs.1m          \
325      mkfs_pcfs.1m     \
326      mkfs_udfs.1m     \
327      mkfs_ufs.1m      \
328      mknod.1m         \
329      mkpwdict.1m      \
330      modinfo.1m       \
331      modload.1m       \
332      modunload.1m     \
333      mount.1m         \
334      mount_cacheufs.1m \
335      mount_hfs.1m     \
336      mount_nfs.1m     \
337      mount_pcfs.1m    \
338      mount_smbfs.1m   \
339      mount_tmpfs.1m   \
340      mount_udfs.1m    \
341      mount_ufs.1m     \
342      mountall.1m      \
343      mounstd.1m       \
344      mpathadm.1m      \
345      mpstat.1m        \
346      msgid.1m         \
347      mvdir.1m         \
348      ncaconfd.1m      \
349      ncheck.1m        \
350      ncheck_ufs.1m    \
351      ndd.1m           \
352      ndmpadm.1m       \
353      ndmpd.1m         \
354      ndmpstat.1m      \
355      netstat.1m       \
356      netstrategy.1m   \
357      newaliases.1m    \
358      newfs.1m         \
359      newkey.1m        \
360      nfs4cbd.1m       \
361      nfsd.1m          \
362      nfslogd.1m       \
363      nfsmapid.1m      \
364      nfsstat.1m       \
365      nlsadmin.1m      \
366      nscadm.1m        \
367      nscd.1m          \
368      nwamd.1m         \
369      passmgmt.1m      \
370      pbind.1m         \
371      picld.1m         \
372      ping.1m          \
373      pkgadd.1m        \
374      pkgadm.1m        \
375      pkgask.1m        \
376      pkgchk.1m        \
377      pkgrm.1m         \
378      plockstat.1m     \
379      pmadm.1m         \

```

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new/usr/src/man/man1m/Makefile

7

```
380      pmconfig.1m      \
381      pntadm.1m        \
382      polkit-is-privileged.1m \
383      pooladm.1m       \
384      poolbind.1m      \
385      poolcfg.1m       \
386      poold.1m         \
387      poolstat.1m      \
388      ports.1m         \
389      powerd.1m        \
390      powertop.1m      \
391      ppdmgr.1m        \
392      pppd.1m          \
393      pppdump.1m       \
394      pppoec.1m        \
395      pppoed.1m        \
396      pppstats.1m      \
397      praudit.1m       \
398      print-service.1m \
399      printmgr.1m      \
400      projadd.1m       \
401      projdel.1m       \
402      projmod.1m       \
403      prstat.1m        \
404      prtconf.1m       \
405      prtdiag.1m       \
406      prtfru.1m        \
407      prtptcl.1m       \
408      prvtoc.1m        \
409      psradm.1m        \
410      psrinfo.1m       \
411      psrset.1m        \
412      putdev.1m        \
413      putdgrp.1m       \
414      pwck.1m          \
415      pwconv.1m        \
416      quot.1m          \
417      quota.1m         \
418      quotacheck.1m    \
419      quotaon.1m       \
420      raidctl.1m       \
421      ramdiskadm.1m    \
422      rcapadm.1m       \
423      rcapd.1m         \
424      rctladm.1m       \
425      rdate.1m         \
426      reboot.1m       \
427      rem_drv.1m       \
428      remove_allocatable.1m \
429      removef.1m       \
430      repquota.1m      \
431      rmmount.1m       \
432      rmt.1m           \
433      rmvolmgr.1m      \
434      roleadd.1m       \
435      roledel.1m       \
436      rolemod.1m       \
437      root_archive.1m  \
438      route.1m         \
439      routeadm.1m      \
440      rpc.bootparamd.1m \
441      rpc.mdcommd.1m   \
442      rpc.metad.1m      \
443      rpc.metamedd.1m  \
444      rpc.metamhd.1m   \
445      rpc.rexd.1m      \
```

new/usr/src/man/man1m/Makefile

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```
446      rpc.rstatd.1m   \
447      rpc.rusersd.1m   \
448      rpc.rwall.1m     \
449      rpc.smserverd.1m \
450      rpc.sprayd.1m    \
451      rpc.yppasswdd.1m \
452      rpc.yupdated.1m  \
453      rpcbind.1m       \
454      rpcinfo.1m       \
455      rquotad.1m       \
456      rsh.1m           \
457      rtc.1m           \
458      rtquery.1m       \
459      runacct.1m       \
460      rwall.1m         \
461      sac.1m           \
462      sacadm.1m        \
463      saf.1m           \
464      sar.1m           \
465      sasinfo.1m       \
466      savecore.1m      \
467      sbdadm.1m        \
468      scadm.1m         \
469      scmadm.1m        \
470      sdpadm.1m        \
471      sendmail.1m      \
472      setuname.1m      \
473      sftp-server.1m   \
474      share.1m         \
475      share_nfs.1m     \
476      shareall.1m      \
477      sharectl.1m      \
478      sharemgr.1m      \
479      showmount.1m     \
480      shutdown.1m     \
481      slpd.1m          \
482      smbadm.1m        \
483      smbd.1m          \
484      smbiod.1m        \
485      smbios.1m        \
486      smbstat.1m       \
487      smrsh.1m         \
488      smtnrhdb.1m      \
489      smtnrhtp.1m      \
490      smtnzonecfg.1m   \
491      sndradm.1m       \
492      sndrd.1m         \
493      sndrsyncd.1m     \
494      snoop.1m         \
495      soconfig.1m      \
496      sppptun.1m       \
497      spray.1m         \
498      ssh-keysign.1m   \
499      sshd.1m          \
500      statd.1m         \
501      stmfadm.1m       \
502      stmsboot.1m      \
503      strace.1m        \
504      strclean.1m      \
505      strerr.1m        \
506      sttydefs.1m      \
507      su.1m            \
508      sulogin.1m       \
509      svadm.1m         \
510      svc.configd.1m   \
511      svc.ipfd.1m      \
```

new/usr/src/man/man1m/Makefile

```

512      svc.startd.1m      \
513      svcadm.1m          \
514      svccfg.1m          \
515      swap.1m            \
516      sync.1m            \
517      syncinit.1m        \
518      syncloop.1m        \
519      syncstat.1m        \
520      sysdef.1m          \
521      syseventadm.1m      \
522      syseventconfd.1m   \
523      syseventd.1m       \
524      syslogd.1m         \
525      tapes.1m           \
526      tcpd.1m            \
527      tcpdchk.1m         \
528      tcpdmatch.1m       \
529      th_define.1m       \
530      th_manage.1m       \
531      tic.1m             \
532      tnchkdb.1m         \
533      tnctl.1m           \
534      tnd.1m             \
535      tninfo.1m          \
536      tpmadm.1m          \
537      traceroute.1m      \
538      trapstat.1m        \
539      ttyadm.1m          \
540      ttymon.1m          \
541      tuneufs.1m         \
542      txzonemgr.1m       \
543      tzselect.1m        \
544      uadmin.1m          \
545      ucodeadm.1m        \
546      ufsdump.1m         \
547      ufsrestore.1m      \
548      unshare.1m         \
549      unshare_nfs.1m     \
550      update_drv.1m      \
551      updatehome.1m     \
552      useradd.1m         \
553      userdel.1m         \
554      usermod.1m         \
555      utmpd.1m           \
556      uucheck.1m         \
557      uucico.1m          \
558      uucleanup.1m       \
559      uusched.1m         \
560      uuxqt.1m           \
561      vmstat.1m          \
562      volcopy.1m         \
563      volcopy_ufs.1m     \
564      vscanadm.1m        \
565      vscand.1m          \
566      wall.1m            \
567      wanboot_keygen.1m  \
568      wanboot_keymgmt.1m \
569      wanboot_p12split.1m \
570      wanbootutil.1m     \
571      whodo.1m           \
572      wificonfig.1m      \
573      wpad.1m            \
574      wracct.1m          \
575      wusbadm.1m         \
576      ypbind.1m          \
577      ypinit.1m          \

```

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new/usr/src/man/man1m/Makefile

```

578      ypmake.1m          \
579      ypmmap2src.1m      \
580      yppoll.1m          \
581      yppush.1m          \
582      ypserv.1m          \
583      ypset.1m           \
584      ypstart.1m         \
585      ypxfr.1m           \
586      zdb.1m             \
587      zdump.1m           \
588      zfs.1m             \
589      zic.1m             \
590      zoneadm.1m         \
591      zoneadmd.1m        \
592      zonecfg.1m         \
593      zpool.1m           \
594      zstreamdump.1m     \
595      \
596      i386_MANFILES=     lms.1m          \
597                        parted.1m        \
598                        mkntfs.1m        \
599                        ntfsclat.1m      \
600                        ntfsclone.1m     \
601                        ntfscluster.1m   \
602                        ntfscomp.1m      \
603                        ntfsfsc.1m       \
604                        ntfsfix.1m       \
605                        ntfsinfo.1m      \
606                        ntfslabel.1m     \
607                        ntfsis.1m        \
608                        ntfsprogs.1m     \
609                        ntfsresize.1m    \
610                        ntfsundelete.1m  \
611      \
612      sparc_MANFILES=    cvcd.1m         \
613                        dcs.1m           \
614                        drd.1m           \
615                        efdaemon.1m      \
616                        ldmd.1m          \
617                        monitor.1m       \
618                        obpsym.1m        \
619                        oplhpd.1m         \
620                        prtdsc.1m        \
621                        sckmd.1m         \
622                        sf880drd.1m      \
623                        vntsd.1m        \
624      \
625      MANLINKS=          acctcon1.1m     \
626                        acctcon2.1m      \
627                        acctdisk.1m      \
628                        acctdusg.1m      \
629                        accton.1m        \
630                        acctprc1.1m      \
631                        acctprc2.1m      \
632                        acctwtmp.1m      \
633                        bootparamd.1m   \
634                        chargefee.1m    \
635                        ckpacct.1m       \
636                        closewtmp.1m     \
637                        comsat.1m        \
638                        dcopy.1m         \
639                        devfsadmd.1m     \
640                        dodisk.1m        \
641                        fcadm.1m         \
642                        fingerd.1m       \
643                        ftpd.1m          \

```

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new/usr/src/man/man1m/Makefile

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```

643      grpck.1m                                \
644      hal-find-by-capability.1m               \
645      hal-find-by-property.1m                 \
646      hal-set-property.1m                     \
647      intro.1m                                \
648      kadmin.local.1m                         \
649      lastlogin.1m                            \
650      metadetach.1m                           \
651      metaonline.1m                           \
652      monacct.1m                              \
653      nulladm.1m                              \
654      poweroff.1m                             \
655      prctmp.1m                               \
656      prdaily.1m                              \
657      prtacct.1m                              \
658      quotaoff.1m                             \
659      rarpd.1m                                \
660      rdisc.1m                                \
661      reject.1m                               \
662      restricted_shell.1m                     \
663      rexd.1m                                 \
664      rexecd.1m                               \
665      rlogind.1m                              \
666      routed.1m                              \
667      rshd.1m                                 \
668      rstatd.1m                               \
669      rusersd.1m                              \
670      rwall.1m                                \
671      rwhod.1m                                \
672      sa1.1m                                  \
673      sa2.1m                                  \
674      sadc.1m                                 \
675      shutacct.1m                             \
676      sprayd.1m                               \
677      startup.1m                             \
678      talkd.1m                                \
679      telinit.1m                              \
680      telnetd.1m                              \
681      tftpd.1m                                \
682      turnacct.1m                             \
683      umount.1m                               \
684      umount_smbfs.1m                         \
685      umountall.1m                            \
686      unlink.1m                               \
687      unshareall.1m                           \
688      utmp2wtmp.1m                            \
689      uucpd.1m                                \
690      uucry.1m                                \
691      wtmpfix.1m                              \
692      yppasswdd.1m                            \
693      ypstop.1m                               \
694      ypuupdated.1m                           \
695      ypxfr_1perday.1m                        \
696      ypxfr_1perhour.1m                      \
697      ypxfr_2perday.1m                       \
698      ypxfrd.1m                               \

700 MANFILES=      $_MANFILES) $($(MACH)_MANFILES)

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

704 uucry.1m        := LINKSRC = Uucry.1m

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

708 acctdisk.1m     := LINKSRC = acct.1m

```

new/usr/src/man/man1m/Makefile

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```

709 acctdusg.1m     := LINKSRC = acct.1m
710 accton.1m       := LINKSRC = acct.1m
711 acctwtmp.1m     := LINKSRC = acct.1m
712 closewtmp.1m   := LINKSRC = acct.1m
713 utmp2wtmp.1m    := LINKSRC = acct.1m

715 acctcon1.1m    := LINKSRC = acctcon.1m
716 acctcon2.1m    := LINKSRC = acctcon.1m

718 acctprc1.1m    := LINKSRC = acctprc.1m
719 acctprc2.1m    := LINKSRC = acctprc.1m

721 chargefee.1m   := LINKSRC = acctsh.1m
722 ckpacct.1m     := LINKSRC = acctsh.1m
723 dodisk.1m      := LINKSRC = acctsh.1m
724 lastlogin.1m   := LINKSRC = acctsh.1m
725 monacct.1m     := LINKSRC = acctsh.1m
726 nulladm.1m     := LINKSRC = acctsh.1m
727 prctmp.1m      := LINKSRC = acctsh.1m
728 prdaily.1m     := LINKSRC = acctsh.1m
729 prtacct.1m     := LINKSRC = acctsh.1m
730 shutacct.1m    := LINKSRC = acctsh.1m
731 startup.1m     := LINKSRC = acctsh.1m
732 turnacct.1m    := LINKSRC = acctsh.1m

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

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

738 fcdm.1m       := LINKSRC = fcinfo.1m

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

742 hal-find-by-capability.1m := LINKSRC = hal-find.1m
743 hal-find-by-property.1m  := LINKSRC = hal-find.1m

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

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

749 comsat.1m              := LINKSRC = in.comsat.1m
750 fingerd.1m             := LINKSRC = in.fingerd.1m
751 ftpd.1m                 := LINKSRC = in.ftpd.1m
752 rarpd.1m                := LINKSRC = in.rarpd.1m
753 rdisc.1m                := LINKSRC = in.rdisc.1m
754 rexecd.1m               := LINKSRC = in.rexecd.1m
755 rlogind.1m              := LINKSRC = in.rlogind.1m
756 routed.1m              := LINKSRC = in.routed.1m
757 rshd.1m                := LINKSRC = in.rshd.1m
758 rwhod.1m               := LINKSRC = in.rwhod.1m
759 talkd.1m               := LINKSRC = in.talkd.1m
760 telnetd.1m             := LINKSRC = in.telnetd.1m
761 tftpd.1m               := LINKSRC = in.tftpd.1m
762 uucpd.1m               := LINKSRC = in.uucpd.1m

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

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

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

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

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

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

```

```
775 umount_smbfs.1m      := LINKSRC = mount_smbfs.1m
777 umountall.1m         := LINKSRC = mountall.1m
779 grpck.1m             := LINKSRC = pwck.1m
781 quotaoff.1m          := LINKSRC = quotaon.1m
783 bootparamd.1m        := LINKSRC = rpc.bootparamd.1m
784 rexd.1m              := LINKSRC = rpc.rexd.1m
785 rstatd.1m            := LINKSRC = rpc.rstatd.1m
786 rusersd.1m           := LINKSRC = rpc.rusersd.1m
787 rwalld.1m            := LINKSRC = rpc.rwalld.1m
788 sprayd.1m            := LINKSRC = rpc.sprayd.1m
789 yppasswdd.1m          := LINKSRC = rpc.yppasswdd.1m
790 ypupdated.1m          := LINKSRC = rpc.ypupdated.1m
792 restricted_shell.1m   := LINKSRC = rsh.1m
794 sa1.1m               := LINKSRC = sar.1m
795 sa2.1m               := LINKSRC = sar.1m
796 sadc.1m              := LINKSRC = sar.1m
798 unshareall.1m        := LINKSRC = shareall.1m
800 ypxfrd.1m            := LINKSRC = ypserv.1m
802 ypstop.1m            := LINKSRC = ypstart.1m
804 ypxfr_1perday.1m      := LINKSRC = ypxfr.1m
805 ypxfr_1perhour.1m     := LINKSRC = ypxfr.1m
806 ypxfr_2perday.1m      := LINKSRC = ypxfr.1m
809 .KEEP_STATE:
811 include               $(SRC)/man/Makefile.man
813 install:              $(ROOTMANFILES) $(ROOTMANLINKS)
```

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

1

2508 Fri Aug 15 19:22:24 2014
new/usr/src/man/man1m/mknod.1m
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

```
1  \" te
2  \" Copyright 1989 AT&T Copyright (c) 1996, Sun Microsystems, Inc. All Rights
3  \" The contents of this file are subject to the terms of the Common Development
4  \" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
5  \" When distributing Covered Code, include this CDDL HEADER in each file and in
6  .TH MKNOD 1M \"Sep 16, 1996\"
7  .SH NAME
8  mknod \- make a special file
9  .SH SYNOPSIS
10 .LP
11 .nf
12 \fBmknod\fR \fIname\fR b \fImajor\fR \fIminor\fR
13 .fi
14
15 .LP
16 .nf
17 \fBmknod\fR \fIname\fR c \fImajor\fR \fIminor\fR
18 .fi
19
20 .LP
21 .nf
22 \fBmknod\fR \fIname\fR p
23 .fi
24
25 .SH DESCRIPTION
26 .sp
26 .LP
27 \fBmknod\fR makes a directory entry for a special file.
28 .SH OPTIONS
29 .sp
29 .LP
30 The following options are supported:
31 .sp
32 .ne 2
33 .na
34 \fB\fBb\fR\fR
35 .ad
36 .RS 5n
37 Create a block-type special file.
38 .RE
39
40 .sp
41 .ne 2
42 .na
43 \fB\fBc\fR\fR
44 .ad
45 .RS 5n
46 Create a character-type special file.
47 .RE
48
49 .sp
50 .ne 2
51 .na
52 \fB\fBp\fR\fR
```

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

2

```
53 .ad
54 .RS 5n
55 Create a FIFO (named pipe).
56 .RE
```

```
58 .SH OPERANDS
61 .sp
59 .LP
60 The following operands are supported:
61 .sp
62 .ne 2
63 .na
64 \fB\fImajor\fR\fR
65 .ad
66 .RS 9n
67 The \fImajor\fR device number.
68 .RE
```

```
70 .sp
71 .ne 2
72 .na
73 \fB\fIminor\fR\fR
74 .ad
75 .RS 9n
76 The \fIminor\fR device number; can be either decimal or octal. The assignment
77 of major device numbers is specific to each system. You must be the super-user
78 to use this form of the command.
79 .RE
```

```
81 .sp
82 .ne 2
83 .na
84 \fB\fIname\fR\fR
85 .ad
86 .RS 9n
87 A special file to be created.
88 .RE
```

```
90 .SH USAGE
94 .sp
91 .LP
92 See \fB\fBlargefile\fR(5) for the description of the behavior of \fBmknod\fR when
93 encountering files greater than or equal to 2 Gbyte ( 2^31 bytes).
94 .SH SEE ALSO
```

```
99 .sp
95 .LP
96 \fB\fBftp\fR(1), \fBmknod\fR(2), \fBfsymlink\fR(2),
101 \fB\fBftp\fR(1), \fBbin.ftpd\fR(1M), \fBmknod\fR(2), \fBfsymlink\fR(2),
97 \fB\fBattributes\fR(5), \fB\fBlargefile\fR(5)
98 .SH NOTES
```

```
104 .sp
99 .LP
100 If \fBmknod\fR(2) is used to create a device, the major and minor device
101 numbers are always interpreted by the kernel running on that machine.
102 .sp
103 .LP
104 With the advent of physical device naming, it would be preferable to create a
105 symbolic link to the physical name of the device (in the \fB\fBdevices\fR
106 subtree) rather than using \fBmknod\fR.
```

new/usr/src/man/man1m/sftp-server.1m

1

2996 Fri Aug 15 19:22:24 2014
new/usr/src/man/man1m/sftp-server.1m
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

1 '\" te
2 .\" To view license terms, attribution, and copyright for OpenSSH, the default p
3 .\" installed location.
4 .\" Portions Copyright (c) 2007, Sun Microsystems, Inc. All Rights Reserved.
5 .TH SFTP-SERVER 1M \"Oct 24, 2007\"
6 .SH NAME
7 sftp-server - SFTP server subsystem
8 .SH SYNOPSIS
9 .LP
10 .nf
11 \\fb/usr/lib/ssh/sftp-server\\fR [\\fb-f\\fR \\fIlog_facility\\fR] [\\fb-l\\fR \\fIlog_le
12 .fi

14 .SH DESCRIPTION

15 .sp
16 \\fbSftp-server\\fR implements the server side of the SSH File Transfer Protocol
17 as defined in the IETF \\fbdraft-ietf-secsh-filexfer\\fR.
18 .sp

19 .LP
20 \\fbSftp-server\\fR is a subsystem for \\fbSshd\\fR(1M) and must not be run
21 directly. Command-line flags to \\fbSftp-server\\fR should be specified in the
22 Subsystem declaration. See \\fbSshd_config\\fR(4) for more information.
23 .sp

24 .LP
25 To enable the \\fbSftp-server\\fR subsystem for \\fbSshd\\fR add the following to
26 \\fb/etc/ssh/ssh_config\\fR:
27 .sp

28 .in +2
29 .nf
30 Subsystem sftp /usr/lib/ssh/sftp-server
31 .fi
32 .in -2
33 .sp

35 .sp
36 .LP
37 See \\fbSshd_config\\fR(4) for a description of the format and contents of that
38 file.
39 .sp
40 .LP
41 There is no relationship between the protocol used by \\fbSftp-server\\fR and the
42 **FTP protocol (RFC 959)**.
43 *FTP protocol (RFC 959) provided by \\fbBin.ftpd\\fR.*
43 .SH OPTIONS

45 .sp
46 .LP
47 Valid options are listed below. As stated above, these are to be specified in
48 the Subsystem declaration of \\fbSshd_config\\fR.
49 .sp

50 .ne 2
51 .na
52 \\fb\\fb-f\\fR \\fIlog_facility\\fR\\fR
53 .ad

new/usr/src/man/man1m/sftp-server.1m

2

52 .sp .6
53 .RS 4n
54 Specifies the facility code that is used when logging messages from
55 \\fbSftp-server\\fR. The possible values are: \\fbDAEMON\\fR, \\fbUSER\\fR,
56 \\fbAUTH\\fR, \\fbLOCAL0\\fR, \\fbLOCAL1\\fR, \\fbLOCAL2\\fR, \\fbLOCAL3\\fR,
57 \\fbLOCAL4\\fR, \\fbLOCAL5\\fR, \\fbLOCAL6\\fR, \\fbLOCAL7\\fR. The default is
58 \\fbAUTH\\fR.
59 .RE

61 .sp
62 .ne 2
63 .na
64 \\fb\\fb-l\\fR \\fIlog_level\\fR\\fR
65 .ad
66 .sp .6
67 .RS 4n
68 Specifies which messages will be logged by \\fbSftp-server\\fR. The possible
69 values are: \\fbQUIET\\fR, \\fbFATAL\\fR, \\fbERROR\\fR, \\fbINFO\\fR, \\fbVERBOSE\\fR,
70 \\fbDEBUG\\fR, \\fbDEBUG1\\fR, \\fbDEBUG2\\fR, and \\fbDEBUG3\\fR. \\fbINFO\\fR and
71 \\fbVERBOSE\\fR log transactions that \\fbSftp-server\\fR performs on behalf of the
72 client. \\fbDEBUG\\fR and \\fbDEBUG1\\fR are equivalent. \\fbDEBUG2\\fR and
73 \\fbDEBUG3\\fR each specify higher levels of debugging output. The default is
74 \\fbERROR\\fR.
75 .RE

77 .SH EXIT STATUS

80 .sp
81 .LP
82 The following exit values are returned:
83 .sp

84 .ne 2
85 .na
86 \\fb\\fb0\\fR\\fR
87 .ad
88 .RS 6n
89 Successful completion.
90 .RE

91 .sp
92 .ne 2
93 .na
94 \\fb>\\fb0\\fR\\fR
95 .ad
96 .RS 6n
97 An error occurred.
98 .RE

98 .SH FILES

102 .sp
103 .ne 2
104 .na
105 \\fb\\fb/usr/lib/ssh/sftp-server\\fR\\fR
106 .ad
107 .RS 28n
108 Server-side binary.
109 .RE

107 .SH ATTRIBUTES

112 .sp
113 .LP
114 See \\fbBattributes\\fR(5) for descriptions of the following attributes:
115 .sp

112 .sp
113 .TS
114 box;

```
115 c | c
116 l | l .
117 ATTRIBUTE TYPE  ATTRIBUTE VALUE
118 -
119 Interface Stability      Evolving
120 .TE

122 .SH SEE ALSO
128 .sp
123 .LP
124 \fBsftp\fR(1), \fBssh\fR(1), \fBssh-add\fR(1), \fBssh-keygen\fR(1),
125 \fBsshd\fR(1M), \fBsshd_config\fR(4), \fBattributes\fR(5)
```

new/usr/src/man/man3c/syslog.3c

1

11073 Fri Aug 15 19:22:25 2014
new/usr/src/man/man3c/syslog.3c
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

```
1  \" te
2  \" Copyright (c) 2009, Sun Microsystems, Inc. All Rights Reserved.
3  \" Copyright (c) 1983 Regents of the University of California. All rights rese
4  \" Portions Copyright (c) 1992, X/Open Company Limited All Rights Reserved
5  \" Sun Microsystems, Inc. gratefully acknowledges The Open Group for permission
6  \" The Institute of Electrical and Electronics Engineers and The Open Group, ha
7  \" are reprinted and reproduced in electronic form in the Sun OS Reference Manu
8  \" and Electronics Engineers, Inc and The Open Group. In the event of any discr
9  \" This notice shall appear on any product containing this material.
10 .TH SYSLOG 3C \"Mar 16, 2009\"
11 .SH NAME
12 syslog, openlog, closelog, setlogmask \- control system log
13 .SH SYNOPSIS
14 .LP
15 .nf
16 #include <syslog.h>

18 \fBvoid\fR \fBopenlog\fR(\fBconst char *\fR\fRiident\fR, \fBint\fR \fRiIlogopt\fR,
19 .fi

21 .LP
22 .nf
23 \fBvoid\fR \fBsyslog\fR(\fBint\fR \fRiPriority\fR, \fBconst char *\fR\fRiMessage\fR
24 .fi

26 .LP
27 .nf
28 \fBvoid\fR \fBcloselog\fR(\fBvoid\fR);
29 .fi

31 .LP
32 .nf
33 \fBint\fR \fBsetlogmask\fR(\fBint\fR \fRiMaskpri\fR);
34 .fi

36 .SH DESCRIPTION
37 .sp
37 .LP
38 The \fBsyslog()\fR function sends a message to \fBsyslogd\fR(1M), which,
39 depending on the configuration of \fB/etc/syslog.conf\fR, logs it in an
40 appropriate system log, writes it to the system console, forwards it to a list
41 of users, or forwards it to \fBsyslogd\fR on another host over the network.
42 The logged message includes a message header and a message body. The message
43 header consists of a facility indicator, a severity level indicator, a
44 timestamp, a tag string, and optionally the process ID.
45 .sp
46 .LP
47 The message body is generated from the \fRiMessage\fR and following arguments in
48 the same manner as if these were arguments to \fBprintf\fR(3UCB), except that
49 occurrences of \fB%m\fR in the format string pointed to by the \fRiMessage\fR
50 argument are replaced by the error message string associated with the current
51 value of \fBerrno\fR. A trailing \fBNEWLINE\fR character is added if needed.
52 .sp
53 .LP
```

new/usr/src/man/man3c/syslog.3c

2

```
54 Symbolic constants for use as values of the \fRiIlogopt\fR, \fRiFacility\fR,
55 \fRiPriority\fR, and \fRiMaskpri\fR arguments are defined in the <\fBsyslog.h\fR>
56 header.
57 .sp
58 .LP
59 Values of the \fRiPriority\fR argument are formed by ORing together a
60 \fRiSeverity level\fR value and an optional \fRiFacility\fR value. If no
61 facility value is specified, the current default facility value is used.
62 .sp
63 .LP
64 Possible values of severity level include, in decreasing order:
65 .sp
66 .ne 2
67 .na
68 \fB\fbLOG_EMERG\fR\fR
69 .ad
70 .RS 15n
71 A panic condition. This is normally broadcast to all users.
72 .RE

74 .sp
75 .ne 2
76 .na
77 \fB\fbLOG_ALERT\fR\fR
78 .ad
79 .RS 15n
80 A condition that should be corrected immediately, such as a corrupted system
81 database.
82 .RE

84 .sp
85 .ne 2
86 .na
87 \fB\fbLOG_CRIT\fR\fR
88 .ad
89 .RS 15n
90 Critical conditions, such as hard device errors.
91 .RE

93 .sp
94 .ne 2
95 .na
96 \fB\fbLOG_ERR\fR\fR
97 .ad
98 .RS 15n
99 Errors.
100 .RE

102 .sp
103 .ne 2
104 .na
105 \fB\fbLOG_WARNING\fR\fR
106 .ad
107 .RS 15n
108 Warning messages.
109 .RE

111 .sp
112 .ne 2
113 .na
114 \fB\fbLOG_NOTICE\fR\fR
115 .ad
116 .RS 15n
117 Conditions that are not error conditions, but that may require special
118 handling.
119 .RE
```

```

121 .sp
122 .ne 2
123 .na
124 \fB\fBLOG_INFO\fR\fR
125 .ad
126 .RS 15n
127 Informational messages.
128 .RE

130 .sp
131 .ne 2
132 .na
133 \fB\fBLOG_DEBUG\fR\fR
134 .ad
135 .RS 15n
136 Messages that contain information normally of use only when debugging a
137 program.
138 .RE

140 .sp
141 .LP
142 The facility indicates the application or system component generating the
143 message. Possible facility values include:
144 .sp
145 .ne 2
146 .na
147 \fB\fBLOG_KERN\fR\fR
148 .ad
149 .RS 14n
150 Messages generated by the kernel. These cannot be generated by any user
151 processes.
152 .RE

154 .sp
155 .ne 2
156 .na
157 \fB\fBLOG_USER\fR\fR
158 .ad
159 .RS 14n
160 Messages generated by random user processes. This is the default facility
161 identifier if none is specified.
162 .RE

164 .sp
165 .ne 2
166 .na
167 \fB\fBLOG_MAIL\fR\fR
168 .ad
169 .RS 14n
170 The mail system.
171 .RE

173 .sp
174 .ne 2
175 .na
176 \fB\fBLOG_DAEMON\fR\fR
177 .ad
178 .RS 14n
179 System daemons.
180 System daemons, such as \fBin.ftpd\fR(1M).
180 .RE

182 .sp
183 .ne 2
184 .na

```

```

185 \fB\fBLOG_AUTH\fR\fR
186 .ad
187 .RS 14n
188 The authentication / security / authorization system: \fBlogin\fR(1),
189 \fBsu\fR(1M), \fBgetty\fR(1M).
190 .RE

192 .sp
193 .ne 2
194 .na
195 \fB\fBLOG_LPR\fR\fR
196 .ad
197 .RS 14n
198 The line printer spooling system: \fBlpr\fR(1B), \fBlpc\fR(1B).
199 .RE

201 .sp
202 .ne 2
203 .na
204 \fB\fBLOG_NEWS\fR\fR
205 .ad
206 .RS 14n
207 Designated for the \fBUSENET\fR network news system.
208 .RE

210 .sp
211 .ne 2
212 .na
213 \fB\fBLOG_UUCP\fR\fR
214 .ad
215 .RS 14n
216 Designated for the \fBUUCP\fR system; it does not currently use \fBsyslog()\fR.
217 .RE

219 .sp
220 .ne 2
221 .na
222 \fB\fBLOG_CRON\fR\fR
223 .ad
224 .RS 14n
225 The \fBcron\fR/\fBat\fR facility; \fBcrontab\fR(1), \fBat\fR(1),
226 \fBcron\fR(1M).
227 .RE

229 .sp
230 .ne 2
231 .na
232 \fB\fBLOG_AUDIT\fR\fR
233 .ad
234 .RS 14n
235 The audit facility, for example, \fBauditd\fR(1M).
236 .RE

238 .sp
239 .ne 2
240 .na
241 \fB\fBLOG_LOCAL0\fR\fR
242 .ad
243 .RS 14n
244 Designated for local use.
245 .RE

247 .sp
248 .ne 2
249 .na
250 \fB\fBLOG_LOCAL1\fR\fR

```

new/usr/src/man/man3c/syslog.3c

5

```
251 .ad
252 .RS 14n
253 Designated for local use.
254 .RE

256 .sp
257 .ne 2
258 .na
259 \fB\fBLOG_LOCAL2\fR\fR
260 .ad
261 .RS 14n
262 Designated for local use.
263 .RE

265 .sp
266 .ne 2
267 .na
268 \fB\fBLOG_LOCAL3\fR\fR
269 .ad
270 .RS 14n
271 Designated for local use.
272 .RE

274 .sp
275 .ne 2
276 .na
277 \fB\fBLOG_LOCAL4\fR\fR
278 .ad
279 .RS 14n
280 Designated for local use.
281 .RE

283 .sp
284 .ne 2
285 .na
286 \fB\fBLOG_LOCAL5\fR\fR
287 .ad
288 .RS 14n
289 Designated for local use.
290 .RE

292 .sp
293 .ne 2
294 .na
295 \fB\fBLOG_LOCAL6\fR\fR
296 .ad
297 .RS 14n
298 Designated for local use.
299 .RE

301 .sp
302 .ne 2
303 .na
304 \fB\fBLOG_LOCAL7\fR\fR
305 .ad
306 .RS 14n
307 Designated for local use.
308 .RE

310 .sp
311 .LP
312 The \fBopenlog()\fR function sets process attributes that affect subsequent
313 calls to \fBsyslog()\fR. The \fIident\fR argument is a string that is prepended
314 to every message. The \fBopenlog()\fR function uses the passed-in \fIident\fR
315 argument directly, rather than making a private copy of it. The \fIlogopt\fR
316 argument indicates logging options. Values for \fIlogopt\fR are constructed by
```

new/usr/src/man/man3c/syslog.3c

6

```
317 a bitwise-inclusive OR of zero or more of the following:
318 .sp
319 .ne 2
320 .na
321 \fB\fBLOG_PID\fR\fR
322 .ad
323 .RS 14n
324 Log the process \fBID\fR with each message. This is useful for identifying
325 specific daemon processes (for daemons that fork).
326 .RE

328 .sp
329 .ne 2
330 .na
331 \fB\fBLOG_CONS\fR\fR
332 .ad
333 .RS 14n
334 Write messages to the system console if they cannot be sent to
335 \fBsyslogd\fR(1M). This option is safe to use in daemon processes that have no
336 controlling terminal, since \fBsyslog()\fR forks before opening the console.
337 .RE

339 .sp
340 .ne 2
341 .na
342 \fB\fBLOG_NDELAY\fR\fR
343 .ad
344 .RS 14n
345 Open the connection to \fBsyslogd\fR(1M) immediately. Normally the open is
346 delayed until the first message is logged. This is useful for programs that
347 need to manage the order in which file descriptors are allocated.
348 .RE

350 .sp
351 .ne 2
352 .na
353 \fB\fBLOG_ODELAY\fR\fR
354 .ad
355 .RS 14n
356 Delay open until \fBsyslog()\fR is called.
357 .RE

359 .sp
360 .ne 2
361 .na
362 \fB\fBLOG_NOWAIT\fR\fR
363 .ad
364 .RS 14n
365 Do not wait for child processes that have been forked to log messages onto the
366 console. This option should be used by processes that enable notification of
367 child termination using \fBSIGCHLD\fR, since \fBsyslog()\fR may otherwise block
368 waiting for a child whose exit status has already been collected.
369 .RE

371 .sp
372 .LP
373 The \fIfacility\fR argument encodes a default facility to be assigned to all
374 messages that do not have an explicit facility already encoded. The initial
375 default facility is \fBLOG_USER\fR.
376 .sp
377 .LP
378 The \fBopenlog()\fR and \fBsyslog()\fR functions may allocate a file
379 descriptor. It is not necessary to call \fBopenlog()\fR prior to calling
380 \fBsyslog()\fR.
381 .sp
382 .LP
```

```

383 The \fBcloselog()\fR function closes any open file descriptors allocated by
384 previous calls to \fBopenlog()\fR or \fBsyslog()\fR.
385 .sp
386 .LP
387 The \fBsetlogmask()\fR function sets the log priority mask for the current
388 process to \fImaskpri\fR and returns the previous mask. If the \fImaskpri\fR
389 argument is 0, the current log mask is not modified. Calls by the current
390 process to \fBsyslog()\fR with a priority not set in \fImaskpri\fR are
391 rejected. The mask for an individual priority \fIpri\fR is calculated by the
392 macro \fBLOG_MASK(\fIpri\fR)\fR; the mask for all priorities up to and
393 including \fItoppri\fR is given by the macro \fBLOG_UPTO(\fItoppri\fR)\fR. The
394 default log mask allows all priorities to be logged.
395 .SH RETURN VALUES
396 .sp
397 .LP
398 The \fBsetlogmask()\fR function returns the previous log priority mask. The
399 \fBcloselog()\fR, \fBopenlog()\fR and \fBsyslog()\fR functions return no value.
400 .SH ERRORS
401 .sp
402 .LP
403 No errors are defined.
404 .SH EXAMPLES
405 .sp
406 .LP
407 This call logs a message at priority \fBLOG_ALERT\fR:
408
409 .sp
410 .in +2
411 .nf
412 \fBsyslog(LOG_ALERT, "who: internal error 23")\fR;
413 .fi
414 .in -2
415 .sp
416
417 .sp
418 .LP
419 The \fBFTP\fR daemon \fBftpd\fR would make this call to \fBopenlog()\fR to
420 indicate that all messages it logs should have an identifying string of
421 \fBftpd\fR, should be treated by \fBsyslogd\fR(1M) as other messages from
422 system daemons are, should include the process \fBID\fR of the process logging
423 the message:
424
425 .sp
426 .in +2
427 .nf
428 \fBopenlog("ftpd", LOG_PID, LOG_DAEMON)\fR;
429 .fi
430 .in -2
431 .sp
432
433 .sp
434 .LP
435 Then it would make the following call to \fBsetlogmask()\fR to indicate that
436 messages at priorities from \fBLOG_EMERG\fR through \fBLOG_ERR\fR should be
437 logged, but that no messages at any other priority should be logged:
438
439 .sp
440 .in +2
441 .nf
442 \fBsetlogmask(LOG_UPTO(LOG_ERR))\fR;
443 .fi
444 .in -2
445 .sp

```

```

447 .sp
448 .LP
449 Then, to log a message at priority \fBLOG_INFO\fR, it would make the following
450 call to \fBsyslog\fR:
451
452 .sp
453 .in +2
454 .nf
455 \fBsyslog(LOG_INFO, "Connection from host %d", CallingHost)\fR;
456 .fi
457 .in -2
458 .sp
459
460 .sp
461 .LP
462 A locally-written utility could use the following call to \fBsyslog()\fR to log
463 a message at priority \fBLOG_INFO\fR to be treated by \fBsyslogd\fR(1M) as
464 other messages to the facility \fBLOG_LOCAL2\fR are:
465
466 .sp
467 .in +2
468 .nf
469 \fBsyslog(LOG_INFO|LOG_LOCAL2, "error: %m")\fR;
470 .fi
471 .in -2
472 .sp
473
474 .SH ATTRIBUTES
475 .sp
476 .LP
477 See \fBattributes\fR(5) for descriptions of the following attributes:
478
479 .sp
480 .TS
481 box;
482 c | c
483 l | l
484 ATTRIBUTE TYPE    ATTRIBUTE VALUE
485 _
486 Interface Stability    Committed
487 _
488 MT-Level              Safe
489 _
490 Standard              See \fBstandards\fR(5).
491 .TE
492
493 .SH SEE ALSO
494 .sp
495 .LP
496 \fBbat\fR(1), \fBcrontab\fR(1), \fBlogger\fR(1), \fBlogin\fR(1), \fBlpc\fR(1B),
497 \fBlpr\fR(1B), \fBaudiotd\fR(1M), \fBcron\fR(1M), \fBgetty\fR(1M),
498 \fBsu\fR(1M), \fBsyslogd\fR(1M), \fBprintf\fR(3UCB),
499 \fBin.ftpd\fR(1M), \fBsu\fR(1M), \fBsyslogd\fR(1M), \fBprintf\fR(3UCB),
500 \fBsyslog.conf\fR(4), \fBattributes\fR(5), \fBstandards\fR(5)

```

new/usr/src/man/man4/Makefile

1

5556 Fri Aug 15 19:22:26 2014
new/usr/src/man/man4/Makefile
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

1 #
2 # This file and its contents are supplied under the terms of the
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4 # You may only use this file in accordance with the terms of version
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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		autofs.4	\
35		bart_manifest.4	\
36		bart_rules.4	\
37		bootparams.4	\
38		cardbus.4	\
39		compver.4	\
40		contents.4	\
41		contract.4	\
42		copyright.4	\
43		core.4	\
44		crypt.conf.4	\
45		crypto_certs.4	\
46		d_passwd.4	\
47		dacf.conf.4	\
48		dat.conf.4	\
49		default_fs.4	\
50		defaultdomain.4	\
51		defaultrouter.4	\
52		depend.4	\
53		device_allocate.4	\
54		device_contract.4	\

new/usr/src/man/man4/Makefile

2

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	ftpaccess.4	\
74	ftpconversions.4	\
75	ftpgroups.4	\
76	ftphosts.4	\
77	ftpservers.4	\
78	ftpusers.4	\
79	fx_dptbl.4	\
80	gateways.4	\
81	group.4	\
82	gsscred.conf.4	\
83	hba.conf.4	\
84	holidays.4	\
85	hosts.4	\
86	hosts.equiv.4	\
87	hosts_access.4	\
88	hosts_options.4	\
89	ib.4	\
90	ike.config.4	\
91	ike.preshared.4	\
92	inet_type.4	\
93	inetd.conf.4	\
94	init.4	\
95	init.d.4	\
96	inittab.4	\
97	ipaddrsel.conf.4	\
98	ipnodes.4	\
99	issue.4	\
100	kadm5.acl.4	\
101	kdc.conf.4	\
102	keytables.4	\
103	krb5.conf.4	\
104	ldapfilter.conf.4	\
105	ldapssearchprefs.conf.4	\
106	ldaptemplates.conf.4	\
107	logadm.conf.4	\
108	logindevperm.4	\
109	loginlog.4	\
110	magic.4	\
111	md.tab.4	\
112	mddb.cf.4	\
113	mech.4	\
114	meddb.4	\
115	mnttab.4	\
	mod_ipp.4	\
	mpapi.conf.4	\
	nca.if.4	\
	ncad_addr.4	\
	ncakmod.conf.4	\

new/usr/src/man/man4/Makefile

3

```

116 ncalogd.conf.4 \
117 ncaport.conf.4 \
118 ndmp.4 \
119 ndpd.conf.4 \
120 netconfig.4 \
121 netgroup.4 \
122 netid.4 \
123 netmasks.4 \
124 netrc.4 \
125 networks.4 \
126 nfs.4 \
127 nfslog.conf.4 \
128 nfssec.conf.4 \
129 nodename.4 \
130 nologin.4 \
131 note.4 \
132 notrouter.4 \
133 nsd.conf.4 \
134 nsmbrc.4 \
135 nss.4 \
136 nsswitch.conf.4 \
137 packingrules.4 \
138 pam.conf.4 \
139 passwd.4 \
140 path_to_inst.4 \
141 pci.4 \
142 phones.4 \
143 pkginfo.4 \
144 pkgmap.4 \
145 policy.conf.4 \
146 power.conf.4 \
147 printers.4 \
148 printers.conf.4 \
149 priv_names.4 \
150 proc.4 \
151 process.4 \
152 prof_attr.4 \
153 profile.4 \
154 project.4 \
155 protocols.4 \
156 prototype.4 \
157 pseudo.4 \
158 publickey.4 \
159 queuedefs.4 \
160 rcmscript.4 \
161 rdc.cf.4 \
162 remote.4 \
163 resolv.conf.4 \
164 rmtab.4 \
165 rpc.4 \
166 rt_dptbl.4 \
167 sasl_appname.conf.4 \
168 scsi.4 \
169 securenets.4 \
170 sel_config.4 \
171 sendmail.4 \
172 service_bundle.4 \
173 service_provider.conf.4 \
174 services.4 \
175 shadow.4 \
176 sharetab.4 \
177 shells.4 \
178 slp.conf.4 \
179 slpd.reg.4 \
180 smb.4 \
181 smbautohome.4 \

```

new/usr/src/man/man4/Makefile

4

```

182 smhba.conf.4 \
183 sndr.4 \
184 sock2path.d.4 \
185 space.4 \
186 ssh_config.4 \
187 sshd_config.4 \
188 sulog.4 \
189 syslog.conf.4 \
190 system.4 \
191 term.4 \
192 terminfo.4 \
193 timezone.4 \
194 tn timer_kernel_probes.4 \
195 ts_dptbl.4 \
196 ttydefs.4 \
197 ttysrch.4 \
198 ufsdump.4 \
199 updaters.4 \
200 user_attr.4 \
201 utmp.4 \
202 utmpx.4 \
203 vfstab.4 \
204 volume-config.4 \
205 volume-request.4 \
206 wanboot.conf.4 \
207 warn.conf.4 \
213 xferlog.4 \
208 ypfiles.4 \
209 yppasswdd.4 \
210 ypserv.4 \
211 zoneinfo.4 \
213 sparc_MANFILES= sbus.4 \
215 i386_MANFILES= sysbus.4 \
217 _MANLINKS= addresses.4 \
218 devid_cache.4 \
219 devname_cache.4 \
220 dir.4 \
221 dumpdates.4 \
222 fbtabs.4 \
223 forward.4 \
224 fs.4 \
225 hosts.allow.4 \
226 hosts.deny.4 \
227 intro.4 \
228 md.cf.4 \
229 mdi_ib_cache.4 \
230 mdi_scsi_vhci_cache.4 \
231 pci_unitaddr_persistent.4 \
232 pcie.4 \
233 qop.4 \
234 rhosts.4 \
235 sendmail.cf.4 \
236 snapshot_cache.4 \
237 submit.cf.4 \
238 volume-defaults.4 \
239 wtmp.4 \
240 wtmpx.4 \
242 i386_MANLINKS= isa.4 \
244 MANFILES= $(_MANFILES) $(MACH)_MANFILES \
245 MANLINKS= $(_MANLINKS) $(MACH)_MANLINKS \

```

```
247 intro.4                := LINKSRC = Intro.4

249 addresses.4            := LINKSRC = aliases.4
250 forward.4              := LINKSRC = aliases.4

252 fs.4                   := LINKSRC = default_fs.4

254 devid_cache.4          := LINKSRC = devices.4
255 devname_cache.4        := LINKSRC = devices.4
256 mdi_ib_cache.4         := LINKSRC = devices.4
257 mdi_scsi_vhci_cache.4  := LINKSRC = devices.4
258 pci_unitaddr_persistent.4 := LINKSRC = devices.4
259 snapshot_cache.4       := LINKSRC = devices.4

261 dir.4                  := LINKSRC = dir_ufs.4

263 rhosts.4               := LINKSRC = hosts.equiv.4

265 hosts.allow.4          := LINKSRC = hosts_access.4
266 hosts.deny.4           := LINKSRC = hosts_access.4

268 fbtabs.4               := LINKSRC = logindevperm.4

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

272 qop.4                  := LINKSRC = mech.4

274 pcie.4                 := LINKSRC = pci.4

276 sendmail.cf.4          := LINKSRC = sendmail.4
277 submit.cf.4            := LINKSRC = sendmail.4

279 isa.4                  := LINKSRC = sysbus.4

281 dumpdates.4            := LINKSRC = ufsdump.4

283 wtmp.4                 := LINKSRC = utmp.4

285 wtmpx.4                := LINKSRC = utmpx.4

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

289 .KEEP_STATE:

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

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

new/usr/src/man/man4/ftputers.4

1

3898 Fri Aug 15 19:22:28 2014
new/usr/src/man/man4/ftputers.4
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

```
1  \" te
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4  \" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
5  \" When distributing Covered Code, include this CDDL HEADER in each file and in
6  .TH FTPUSERS 4 \"May 1, 2003\"
7  .SH NAME
8  ftputers \- file listing users to be disallowed ftp login privileges
9  .SH SYNOPSIS
10 .LP
11 .nf
12 \fB/etc/ftpd/ftputers\fR
13 .fi

15 .SH DESCRIPTION
16 .sp
16 .LP
17 The \fBftputers\fR file lists users for whom \fBftp\fR login privileges are
18 disallowed. Each \fBftputer\fR entry is a single line of the form:
19 .sp
20 .in +2
21 .nf
22 name
23 .fi
24 .in -2

26 .sp
27 .LP
28 where \fBname\fR is the user's login name.
29 .sp
30 .LP
31 The FTP Server, \fBin.ftpd\fR(1M), reads the \fBftputers\fR file. If the login
32 name of the user matches one of the entries listed, it rejects the login
33 attempt.
34 .sp
35 .LP
36 The \fBftputers\fR file has the following default configuration entries:
37 .sp
38 .in +2
39 .nf
40 root
41 daemon
42 bin
43 sys
44 adm
45 lp
46 uccp
47 nuucp
48 smmsp
49 listen
50 nobody
51 noaccess
52 nobody4
53 .fi
```

new/usr/src/man/man4/ftputers.4

2

54 .in -2

```
56 .sp
57 .LP
58 These entries match the default instantiated entries from \fBpasswd\fR(4). The
59 list of default entries typically contains the superuser \fBroot\fR and other
60 administrative and system application identities.
61 .sp
62 .LP
63 The root entry is included in the \fBftputers\fR file as a security measure
64 since the default policy is to disallow remote logins for this identity. This
65 policy is also set in the default value of the \fBconsole\fR entry in the
66 \fB/etc/default/login\fR file. See \fBlogin\fR(1). If you allow \fBroot\fR
67 login privileges by deleting the root entry in \fBftputers\fR, you should also
68 modify the security policy in \fB/etc/default/login\fR to reflect the site
69 security policy for remote login access by \fBroot\fR.
70 .sp
71 .LP
72 Other default entries are administrative identities that are typically assumed
73 by system applications but never used for local or remote login, for example
74 \fBsys\fR and \fBnobody\fR. Since these entries do not have a valid password
75 field instantiated in \fBshadow\fR(4), no login can be performed.
76 .sp
77 .LP
78 If a site adds similar administrative or system application identities in
79 \fBpasswd\fR(4) and \fBshadow\fR(4), for example, \fBmajordomo\fR, the site
80 should consider including them in the \fBftputers\fR file for a consistent
81 security policy.
82 .sp
83 .LP
84 Lines that begin with \fB#\fR are treated as comment lines and are ignored.
85 .SH FILES
86 .sp
86 .ne 2
87 .na
88 \fB\fB/etc/ftpd/ftputers\fR\fR
89 .ad
90 .RS 22n
91 A file that lists users for whom \fBftp\fR login privileges are disallowed.
92 .RE

94 .sp
95 .ne 2
96 .na
97 \fB\fB/etc/ftputers\fR\fR
98 .ad
99 .RS 22n
100 See \fB/etc/ftpd/ftputers\fR. This file is deprecated, although its use is
101 still supported.
102 .RE

104 .sp
105 .ne 2
106 .na
107 \fB\fB/etc/default/login\fR\fR
108 .ad
109 .RS 22n

111 .RE

113 .sp
114 .ne 2
115 .na
116 \fB\fB/etc/passwd\fR\fR
117 .ad
118 .RS 22n
```

new/usr/src/man/man4/ftputers.43

119 password file
120 .RE

122 .sp
123 .ne 2
124 .na
125 \fB\fB/etc/shadow\fR\fR
126 .ad
127 .RS 22n
128 shadow password file
129 .RE

131 .SH ATTRIBUTES
134 .sp
132 .LP
133 See \fBAttributes\fR(5) for descriptions of the following attributes:
134 .sp

136 .sp
137 .TS
138 box;
139 c | c
140 l | l .
141 ATTRIBUTE TYPE ATTRIBUTE VALUE
142 _
143 Interface Stability See below.
144 .TE

146 .sp
147 .LP
148 The interface stability for \fB/etc/ftpd/ftputers\fR is Volatile. The interface
149 stability for \fB/etc/ftputers\fR is (Obsolete).
150 .SH SEE ALSO
154 .sp
151 .LP
152 \fBlogin\fR(1), \fBftphosts\fR(4),
156 \fBlogin\fR(1), \fBin.ftpd\fR(1M), \fBftpaccess\fR(4), \fBftphosts\fR(4),
153 \fBpasswd\fR(4), \fBshadow\fR(4), \fBAttributes\fR(5), \fBenviron\fR(5)

new/usr/src/man/man4/netrc.4

1

4468 Fri Aug 15 19:22:28 2014
new/usr/src/man/man4/netrc.4
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

```
1  \" te
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7  .TH NETRC 4 \"Aug 25, 2006\"
8  .SH NAME
9  netrc \- file for ftp remote login data
10 .SH DESCRIPTION
11 .sp
12 .LP
13 The \fB&.netrc\fR file contains data for logging in to a remote host over the
14 network for file transfers by \fBftp\fR(1). This file resides in the user's
15 home directory on the machine initiating the file transfer. Its permissions
16 should be set to disallow read access by group and others. See \fBchmod\fR(1).
17 .sp
18 .LP
19 Tokens can be separated by \fBSPACE\fR, \fBTAB\fR, or \fBNEWLINE\fR characters.
20 The following tokens are supported:
21 .sp
22 .ne 2
23 .na
24 \fB\fBaccount\fR \fB\fBstring\fR\fR
25 .ad
26 .RS 19n
27 Supply an additional account password. If this token is present, the auto-login
28 process supplies the specified string if the remote server requires an
29 additional account password. If the remote server does not require an
30 additional account password, the auto-login process initiates an \fBACCT\fR
31 command.
32 .RE
33 .sp
34 .ne 2
35 .na
36 \fB\fBdefault\fR\fR
37 .ad
38 .RS 19n
39 Same as \fBmachine\fR \fB\fBname\fR, except that default matches any name. There
40 can be only one \fBdefault\fR token, and it must be after all \fBmachine\fR
41 tokens. The \fBdefault\fR token is normally used as follows:
42 .sp
43 .in +2
44 .nf
45 default login anonymous password \fBuser\fR@\fBsite\fR
46 .fi
47 .in -2
48 .sp
49
50 Such an entry gives the user automatic anonymous \fBftp\fR login to machines
51 not specified in \fB&.netrc\fR.
52 .RE
```

new/usr/src/man/man4/netrc.4

2

```
54 .sp
55 .ne 2
56 .na
57 \fB\fBlogin\fR \fB\fBname\fR\fR
58 .ad
59 .RS 19n
60 Identify a user on the remote machine. If this token is present, the auto-login
61 process initiates a login using the specified name.
62 .RE
63
64 .sp
65 .ne 2
66 .na
67 \fB\fBmachine\fR \fB\fBname\fR\fR
68 .ad
69 .RS 19n
70 Identify a remote machine name. The auto-login process searches the
71 \fB&.netrc\fR file for a \fBmachine\fR token that matches the remote machine
72 specified on the \fBftp\fR command line or as an \fBopen\fR command argument.
73 Once a match is made, the subsequent \fB&.netrc\fR tokens are processed,
74 stopping when the \fBEOF\fR is reached or another \fBmachine\fR token is
75 encountered.
76 .RE
77
78 .sp
79 .ne 2
80 .na
81 \fB\fBmacrodef\fR \fB\fBname\fR\fR
82 .ad
83 .RS 19n
84 Define a macro. This token functions the same as \fBftp\fR \fBmacrodef\fR. A
85 macro is defined with the specified name; its contents begin with the next
86 \fB&.netrc\fR line and continue until a null line (consecutive \fBNEWLINE\fR
87 characters) is encountered. If a macro named \fBinit\fR is defined, it is
88 automatically executed as the last step in the auto-login process.
89 .RE
90
91 .sp
92 .ne 2
93 .na
94 \fB\fBpassword\fR \fB\fBstring\fR\fR
95 .ad
96 .RS 19n
97 Supply a password. If this token is present, the auto-login process supplies
98 the specified string if the remote server requires a password as part of the
99 login process. If this token is present in the \fB&.netrc\fR file, \fBftp\fR
100 aborts the auto-login process if the \fB&.netrc\fR is readable by anyone
101 besides the user.
102 .RE
103
104 .sp
105 .ne 2
106 .na
107 \fB\fBskipsyst\fR\fR
108 .ad
109 .RS 19n
110 Skip the \fBSYST\fR command that is sent by default to all remote servers upon
111 connection. The system command is what enables the automatic use of binary mode
112 rather than the protocol default ascii mode.
113 .sp
114 As some older servers cannot handle the \fBftp\fR command, this directive is
115 provided to allow inter-operability with these servers.
116 .RE
117
118 .SH EXAMPLES
119 .LP
```

```
120 \fBExample 1 \fRA Sample \fB\&.netrc\fR File
121 .sp
122 .LP
123 A \fB\&.netrc\fR file containing the following line:

125 .sp
126 .in +2
127 .nf
128 machine ray login demo password mypassword
129 .fi
130 .in -2

132 .sp
133 .LP
134 allows an autologin to the machine \fBBray\fR using the login name \fBdemo\fR
135 with password \fBmypassword\fR.

137 .SH FILES
139 .sp
138 .ne 2
139 .na
140 \fB\fB~/.netrc\fR\fR
141 .ad
142 .RS 12n

144 .RE

146 .SH SEE ALSO
149 .sp
147 .LP
148 \fB\fBchmod\fR(1), \fB\fBftp\fR(1)
151 \fB\fBchmod\fR(1), \fB\fBftp\fR(1), \fB\fBin.ftpd\fR(1M)
```

new/usr/src/man/man4/pam.conf.4

1

15680 Fri Aug 15 19:22:29 2014
new/usr/src/man/man4/pam.conf.4
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary_mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

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5.\" When distributing Covered Code, include this CDDL HEADER in each file and in
6.TH PAM.CONF 4 \"Jun 19, 2006\"
7.SH NAME
8.pam.conf \- configuration file for pluggable authentication modules
9.SH SYNOPSIS
10.LP
11.nf
12 \fB/etc/pam.conf\fR
13.fi

15.SH DESCRIPTION
16.sp
16.LP
17 \fBpam.conf\fR is the configuration file for the Pluggable Authentication
18 Module architecture, or \fBPAM\fR. A \fBPAM\fR module provides functionality
19 for one or more of four possible services: authentication, account management,
20 session management, and password management.
21.sp
22.ne 2
23.na
24 \fBauthentication service module\fR
25.ad
26.sp .6
27.RS 4n
28 Provides functionality to authenticate a user and set up user credentials.
29.RE

31.sp
32.ne 2
33.na
34 \fBaccount management module\fR
35.ad
36.sp .6
37.RS 4n
38 Provides functionality to determine if the current user's account is valid.
39 This includes checking for password and account expiration, as well as
40 verifying access hour restrictions.
41.RE

43.sp
44.ne 2
45.na
46 \fBsession management module\fR
47.ad
48.sp .6
49.RS 4n
50 Provides functionality to set up and terminate login sessions.
51.RE

53.sp

new/usr/src/man/man4/pam.conf.4

2

54.ne 2
55.na
56 \fBpassword management module\fR
57.ad
58.sp .6
59.RS 4n
60 Provides functionality to change a user's authentication token or password.
61.RE

63.sp
64.LP
65 Each of the four service modules can be implemented as a shared library object
66 which can be referenced in the \fBpam.conf\fR configuration file.
67.SS \"Simplified pam.conf Configuration File\"
68.LP
69 The \fBpam.conf\fR file contains a listing of services. Each service is paired
70 with a corresponding service module. When a service is requested, its
71 associated module is invoked. Each entry may be a maximum of 256 characters,
72 including the end of line, and has the following format:
73.sp
74.in +2
75.nf
76 \fIservice_name module_type control_flag module_path options\fR
77.fi
78.in -2
79.sp

81.sp
82.LP
83 The following is an example of a \fBpam.conf\fR configuration file with support
84 for authentication, account management, session management and password
85 management modules (See the \fBpam.conf\fR file that is shipped with your
86 system for the contents of this file):
87.sp
88.in +2
89.nf
90 login auth requisite pam_authok_get.so.1
91 login auth required pam_dhkeys.so.1
92 login auth required pam_unix_auth.so.1
93 login auth required pam_dial_auth.so.1

95 other account requisite pam_roles.so.1
96 other account required pam_unix_account.so.1

98 other session required pam_unix_session.so.1

100 other password required pam_dhkeys.so.1
101 other password requisite pam_authok_get.so.1
102 other password requisite pam_authok_check.so.1
103 other password required pam_authok_store.so.1
104.fi
105.in -2

107.sp
108.LP
109 \fIservice_name\fR denotes the service (for example, \fBlogin\fR,
110 \fBdtlogin\fR, or \fBlogin\fR).
111.sp
112.LP
113 The keyword, \"\fBother\fR,\" indicates the module that all other applications
114 which have not been specified should use. The \"\fBother\fR\" keyword can also be
115 used if all services of the same \fBmodule_type\fR have the same requirements.
116.sp
117.LP
118 In the example, since all of the services use the same session module, they

```

119 could have been replaced by a single \fBother\fR line.
120 .sp
121 .LP
122 \fImodule_type\fR denotes the service module type: authentication (\fBauth\fR),
123 account management (\fBaccount\fR), session management (\fBsession\fR), or
124 password management (\fBpassword\fR).
125 .sp
126 .LP
127 The \fIcontrol_flag\fR field determines the behavior of stacking.
128 .sp
129 .LP
130 The \fImodule_path\fR field specifies the relative pathname to a shared library
131 object, or an included \fBPAM\fR configuration file, which implements the
132 service functionality. If the pathname is not absolute, shared library objects
133 are assumed to be relative to \fB/usr/lib/security/$ISA/\fR, and included
134 \fBPAM\fR configuration files are assumed to be relative to
135 \fB/usr/lib/security/\fR.
136 .sp
137 .LP
138 The \fBISA\fR token is replaced by an implementation defined directory name
139 which defines the path relative to the calling program's instruction set
140 architecture.
141 .sp
142 .LP
143 The \fIoptions\fR field is used by the \fBPAM\fR framework layer to pass module
144 specific options to the modules. It is up to the module to parse and interpret
145 the options.
146 .sp
147 .LP
148 This field can be used by the modules to turn on debugging or to pass any
149 module specific parameters such as a \fBTIMEOUT\fR value. The options supported
150 by the modules are documented in their respective manual pages.
151 .SS "Integrating Multiple Authentication Services With Stacking"
152 .sp
153 When a \fIservice_name\fR of the same \fImodule_type\fR is defined more than
154 once, the service is said to be stacked. Each module referenced in the
155 \fImodule_path\fR for that service is then processed in the order that it
156 occurs in the configuration file. The \fIcontrol_flag\fR field specifies the
157 continuation and failure semantics of the modules, and can contain one of the
158 following values:
159 .sp
160 .ne 2
161 .na
162 \fB\fBbinding\fR\fR
163 .ad
164 .RS 14n
165 If the service module returns success and no preceding \fBrequired\fR modules
166 returned failures, immediately return success without calling any subsequent
167 modules. If a failure is returned, treat the failure as a \fBrequired\fR module
168 failure, and continue to process the \fBPAM\fR stack.
169 .RE
170 .sp
171 .ne 2
172 .na
173 .ad
174 \fB\fBinclude\fR\fR
175 .ad
176 .RS 14n
177 Process the lines from the \fBPAM\fR configuration file that is specified in
178 the \fImodule_path\fR at this point in the \fBPAM\fR stack. The "\fBother\fR"
179 keyword is used if the specified service_name is not found. 32 levels of
180 included \fBPAM\fR configuration files are supported. Any options are ignored.
181 .RE
182 .sp
183 .sp

```

```

184 .ne 2
185 .na
186 \fB\fBoptional\fR\fR
187 .ad
188 .RS 14n
189 If the service module returns success, record the success, and continue to
190 process the \fBPAM\fR stack. If a failure is returned, and it is the first
191 \fBoptional\fR module failure, save the failure code as an \fBoptional\fR
192 failure. Continue to process the \fBPAM\fR stack.
193 .RE
194 .sp
195 .ne 2
196 .na
197 .ad
198 \fB\fBrequired\fR\fR
199 .ad
200 .RS 14n
201 If the service module returns success, record the success, and continue to
202 process the \fBPAM\fR stack. If a failure is returned, and it is the first
203 \fBrequired\fR failure, save the failure code as a \fBrequired\fR failure.
204 Continue to process the \fBPAM\fR stack.
205 .RE
206 .sp
207 .ne 2
208 .na
209 .ad
210 \fB\fBprequisite\fR\fR
211 .ad
212 .RS 14n
213 If the service module returns success, record the success, and continue to
214 process the \fBPAM\fR stack. If a failure is returned, immediately return the
215 first non-optional failure value recorded without calling any subsequent
216 modules. That is, return this failure unless a previous required service module
217 failed. If a previous required service module failed, then return the first of
218 those values.
219 .RE
220 .sp
221 .ne 2
222 .na
223 .ad
224 \fB\fBsufficient\fR\fR
225 .ad
226 .RS 14n
227 If the service module return success and no preceding required modules returned
228 failures, immediately return success without calling any subsequent modules. If
229 a failure is returned, treat the failure as an optional module failure, and
230 continue to process the \fBPAM\fR stack.
231 .RE
232 .sp
233 .LP
234 .LP
235 If the \fBPAM\fR stack runs to completion, that is, neither a \fBprequisite\fR
236 module failed, nor a \fBbinding\fR or \fBsufficient\fR module success stops it,
237 success is returned if no required modules failed and at least one required,
238 requisite, optional module succeeded. If no module succeeded and a required or
239 binding module failed, the first of those errors is returned. If no required or
240 binding module failed and an optional module failed, the first of the option
241 module errors is returned. If no module in the stack succeeded or failed, that
242 is, all modules returned an ignore status, a default error based on module
243 type, for example, "User account expired," is returned.
244 .sp
245 .LP
246 All errors in \fBpam.conf\fR entries are logged to \fBsyslog\fR as
247 \fBLOG_AUTH\fR | \fBLOG_ERR\fR errors. The use of a service with an error noted
248 in the \fBpam.conf\fR entry for that service will fail. The system
249 administrator will need to correct the noted errors before that service may be

```

250 used. If no services are available or the \fBpam.conf\fR file is missing, the
 251 system administrator may enter system maintenance mode to correct or restore
 252 the file.
 253 .sp
 254 .LP
 255 The following is a sample configuration file that stacks the \fBsu\fR,
 256 \fBlogin\fR, and \fBrlogin\fR services.
 257 .sp
 258 .in +2
 259 .nf
 260 su auth required pam_inhouse.so.1
 261 su auth requisite pam_authtok_get.so.1
 262 su auth required pam_dhkeys.so.1
 263 su auth required pam_unix_auth.so.1
 264
 265 login auth requisite pam_authtok_get.so.1
 266 login auth required pam_dhkeys.so.1
 267 login auth required pam_unix_auth.so.1
 268 login auth required pam_dial_auth.so.1
 269 login auth optional pam_inhouse.so.1
 270
 271 rlogin auth sufficient pam_rhosts_auth.so.1
 272 rlogin auth requisite pam_authtok_get.so.1
 273 rlogin auth required pam_dhkeys.so.1
 274 rlogin auth required pam_unix_auth.so.1
 275 .fi
 276 .in -2
 277 .sp
 278 .LP
 279 In the case of \fBsu\fR, the user is authenticated by the \fBinhouse\fR and
 280 \fBauthtok_get\fR, \fBdhkeys\fR, and \fBunix_auth\fR authentication modules.
 281 Because the \fBinhouse\fR and the other authentication modules are
 282 \fBrequired\fR and \fBrequisite\fR, respectively, an error is returned back to
 283 the application if any module fails. In addition, if the \fBrequisite\fR
 284 authentication (\fBpam_authtok_get\fR authentication) fails, the other
 285 authentication modules are never invoked, and the error is returned immediately
 286 back to the application.
 287 .sp
 288 .LP
 289 In the case of \fBlogin\fR, the \fBrequired\fR keyword for \fBcontrol_flag\fR
 290 requires that the user be allowed to login only if the user is authenticated by
 291 all the service modules. If \fBpam_unix_auth\fR authentication fails, control
 292 continues to proceed down the stack, and the \fBinhouse\fR authentication
 293 module is invoked. \fBinhouse\fR authentication is optional by virtue of the
 294 optional keyword in the \fBcontrol_flag\fR field. The user can still log in
 295 even if \fBinhouse\fR authentication fails, assuming the modules stacked above
 296 succeeded.
 297 .sp
 298 .LP
 299 In the case of \fBrlogin\fR, the \fBsufficient\fR keyword for
 300 \fBcontrol_flag\fR specifies that if the \fBrhosts\fR authentication check
 301 succeeds, then \fBPAM\fR should return success to \fBrlogin\fR and \fBrlogin\fR
 302 should not prompt the user for a password. The other authentication modules,
 303 which are in the stack, will only be invoked if the \fBrhosts\fR check fails.
 304 This gives the system administrator the flexibility to determine if
 305 \fBrhosts\fR alone is sufficient enough to authenticate a remote user.
 306 .sp
 307 .LP
 308 Some modules return \fBPAM_IGNORE\fR in certain situations. In these cases the
 309 \fBPAM\fR framework ignores the entire entry in \fBpam.conf\fR regardless of
 310 whether or not it is \fBbinding\fR, \fBrequisite\fR, \fBrequired\fR,
 311 \fBoptional\fR, or \fBsufficient\fR.
 312 .SS "Utilities and Files"
 313 .sp
 314 .LP

315 The specific service names and module types for each service should be
 316 documented in the man page for that service. For instance, the \fBsshd\fR(1M)
 317 man page lists all of the \fBPAM\fR service names and module types for the
 318 \fBsshd\fR command.
 319 .sp
 320 .LP
 321 The \fBPAM\fR configuration file does not dictate either the name or the
 322 location of the service specific modules. The convention, however, is the
 323 following:
 324 .sp
 325 .ne 2
 326 .na
 327 \fB\fBpam_module_name.so.x\fR\fR
 328 .ad
 329 .RS 29n
 330 File that implements various function of specific authentication services. As
 331 the relative pathname specified, \fB/usr/lib/security/\$ISA\fR is prepended to
 332 it.
 333 .RE
 334 .sp
 335 .ne 2
 336 .na
 337 \fB\fB/etc/pam.conf\fR\fR
 338 .ad
 339 .RS 29n
 340 Configuration file
 341 .RE
 342 .sp
 343 .ne 2
 344 .na
 345 \fB\fB/usr/lib/\$ISA/libpam.so.1\fR\fR
 346 .ad
 347 .RS 29n
 348 File that implements the \fBPAM\fR framework library
 349 .RE
 350 .SH EXAMPLES
 351 .LP
 352 \fBExample 1 \fRUsing the include control flag
 353 .sp
 354 .LP
 355 The following example collects the common Unix modules into a single file to be
 356 included as needed in the example of a \fBpam.conf\fR file. The common Unix
 357 module file is named \fBunix_common\fR and consists of:
 358 .sp
 359 .in +2
 360 .nf
 361 OTHER auth requisite pam_authtok_get.so.1
 362 OTHER auth required pam_dhkeys.so.1
 363 OTHER auth required pam_unix_auth.so.1
 364 OTHER auth required pam_unix_cred.so.1
 365 OTHER account requisite pam_roles.so.1
 366 OTHER account required pam_unix_account.so.1
 367 OTHER session required pam_unix_session.so.1
 368 OTHER password required pam_dhkeys.so.1
 369 OTHER password requisite pam_authtok_get.so.1
 370 OTHER password requisite pam_authtok_check.so.1
 371 OTHER password required pam_authtok_store.so.1
 372 .fi
 373 .in -2
 374 .sp
 375 .sp
 376 .sp

```

381 .LP
382 The \fBpam.conf\fR file and consists of:

384 .sp
385 .in +2
386 .nf
387 # Authentication management
388 #
389 # login service (explicit because of pam_dial_auth)
390 #
391 login    auth include          unix_common
392 login    auth required         pam_dial_auth.so.1
393 #
394 # rlogin service (explicit because of pam_rhost_auth)
395 #
396 rlogin   auth sufficient      pam_rhosts_auth.so.1
397 rlogin   auth include        unix_common
398 #
399 # Default definitions for Authentication management
400 # Used when service name is not explicitly mentioned
401 #
402 OTHER    auth include         unix_common
403 #
404 # Default definition for Account management
405 # Used when service name is not explicitly mentioned
406 #
407 OTHER    account include      unix_common
408 #
409 # Default definition for Session management
410 # Used when service name is not explicitly mentioned
411 #
412 OTHER    session include      unix_common
413 #
414 # Default definition for Password management
415 # Used when service name is not explicitly mentioned
416 #
417 OTHER    password include     unix_common
418 .fi
419 .in -2
420 .sp

422 .SH ATTRIBUTES
427 .sp
423 .LP
424 See \fBAttributes\fR(5) for descriptions of the following attributes:
425 .sp

427 .sp
428 .TS
429 box;
430 c | c
431 l | l .
432 ATTRIBUTE TYPE  ATTRIBUTE VALUE
433 _
434 Interface Stability    See Below.
435 .TE

437 .sp
438 .LP
439 The format is Stable. The contents has no stability attributes.
440 .SH SEE ALSO
446 .sp
441 .LP
442 \fBlogin\fR(1), \fBpasswd\fR(1), \fBin.rlogind\fR(1M),
448 \fBlogin\fR(1), \fBpasswd\fR(1), \fBin.ftpd\fR(1M), \fBin.rlogind\fR(1M),
443 \fBin.rshd\fR(1M), \fBin.telnetd\fR(1M), \fBin.uucpd\fR(1M), \fBinit\fR(1M),

```

```

444 \fBrcp.rexd\fR(1M), \fBsac\fR(1M), \fBttymon\fR(1M), \fBsu\fR(1M),
445 \fBpam\fR(3PAM), \fBsyslog\fR(3C), \fBlibpam\fR(3LIB), \fBattributes\fR(5),
446 \fBenvron\fR(5), \fBpam_authok_check\fR(5), \fBpam_authok_get\fR(5),
447 \fBpam_authok_store\fR(5), \fBpam_dhkeys\fR(5), \fBpam_krb5\fR(5),
448 \fBpam_passwd_auth\fR(5), \fBpam_unix_account\fR(5), \fBpam_unix_auth\fR(5),
449 \fBpam_unix_session\fR(5)
450 .SH NOTES
457 .sp
451 .LP
452 The \fBpam_unix\fR module is no longer supported. Similar functionality is
453 provided by \fBpam_authok_check\fR(5), \fBpam_authok_get\fR(5),
454 \fBpam_authok_store\fR(5), \fBpam_dhkeys\fR(5), \fBpam_passwd_auth\fR(5),
455 \fBpam_unix_account\fR(5), \fBpam_unix_auth\fR(5), and
456 \fBpam_unix_session\fR(5).
457 .sp
458 .LP
459 With the removal of the \fBpam_unix\fR module, the SunOS delivered PAM service
460 modules no longer need or support the "\fBuse_first_pass\fR" or
461 "\fBtry_first_pass\fR" options. This functionality is provided by stacking
462 \fBpam_authok_get\fR(5) above a module that requires a password.

```


120 is the user's initial shell program. If this field is empty, the default shell
 121 is \fB/usr/bin/sh\fR.
 122 .RE

124 .sp
 125 .LP
 126 The maximum value of the \fIuid\fR and \fIgid\fR fields is \fB2147483647\fR. To
 127 maximize interoperability and compatibility, administrators are recommended to
 128 assign users a range of \fBUID\fRs and \fBGID\fRs below \fB60000\fR where
 129 possible. (\fBUID\fRs from \fB0\fR-\fB99\fR inclusive are reserved by the
 130 operating system vendor for use in future applications. Their use by end system
 131 users or vendors of layered products is not supported and may cause security
 132 related issues with future applications.)
 133 .sp
 134 .LP
 135 The password file is an \fBASCII\fR file that resides in the \fB/etc\fR
 136 directory. Because the encrypted passwords on a secure system are always kept
 137 in the \fBshadow\fR file, \fB/etc/passwd\fR has general read permission on all
 138 systems and can be used by routines that map between numerical user \fBID\fRs
 139 and user names.
 140 .sp
 141 .LP
 142 Blank lines are treated as malformed entries in the \fBpasswd\fR file and cause
 143 consumers of the file, such as \fBgetpwnam\fR(3C), to fail.
 144 .sp
 145 .LP
 146 The password file can contain entries beginning with a '+' (plus sign) or '-'
 147 (minus sign) to selectively incorporate entries from another naming service
 148 source, such as NIS, NIS+, or LDAP.
 149 .sp
 150 .LP
 151 A line beginning with a '+' means to incorporate entries from the naming
 152 service source. There are three styles of the '+' entries in this file. A
 153 single + means to insert all the entries from the alternate naming service
 154 source at that point, while a +\fIname\fR means to insert the specific entry,
 155 if one exists, from the naming service source. A +@\fInetgroup\fR means to
 156 insert the entries for all members of the network group \fInetgroup\fR from the
 157 alternate naming service. If a +\fIname\fR entry has a non-null \fBpasswd\fR,
 158 \fIgc\fR, \fIhome-dir\fR, or \fIlogin-shell\fR field, the value of that field
 159 overrides what is contained in the alternate naming service. The \fIuid\fR and
 160 \fIgid\fR fields cannot be overridden.
 161 .sp
 162 .LP
 163 A line beginning with a '\(mi' means to disallow entries from the alternate
 164 naming service. There are two styles of '-' entries in this file. -\fIname\fR
 165 means to disallow any subsequent entries (if any) for \fIname\fR (in this file
 166 or in a naming service), and -@\fInetgroup\fR means to disallow any subsequent
 167 entries for all members of the network group \fInetgroup\fR.
 168 .sp
 169 .LP
 170 This is also supported by specifying "passwd : compat" in
 171 \fBnsswitch.conf\fR(4). The "compat" source might not be supported in future
 172 releases. The preferred sources are \fBfiles\fR followed by the identifier of a
 173 name service, such as \fBnis\fR or \fBldap\fR. This has the effect of
 174 incorporating the entire contents of the naming service's \fBpasswd\fR database
 175 or password-related information after the \fBpasswd\fR file.
 176 .sp
 177 .LP
 178 Note that in compat mode, for every \fB/etc/passwd\fR entry, there must be a
 179 corresponding entry in the \fB/etc/shadow\fR file.
 180 .sp
 181 .LP
 182 Appropriate precautions must be taken to lock the \fB/etc/passwd\fR file
 183 against simultaneous changes if it is to be edited with a text editor;
 184 \fBvipw\fR(1B) does the necessary locking.
 185 .SH EXAMPLES

186 .LP
 187 \fBExample 1 \fRsample \fBpasswd\fR File
 188 .sp
 189 .LP
 190 The following is a sample \fBpasswd\fR file:

192 .sp
 193 .in +2
 194 .nf
 195 root:x:0:1:Super-User:/:/sbin/sh
 196 fred:6k/7KCFRPNVXg:508:10:& Fredericks:/usr2/fred:/bin/csh
 197 .fi
 198 .in -2
 199 .sp

201 .sp
 202 .LP
 203 and the sample password entry from \fBnsswitch.conf\fR:

205 .sp
 206 .in +2
 207 .nf
 208 passwd: files ldap
 209 .fi
 210 .in -2
 211 .sp

213 .sp
 214 .LP
 215 In this example, there are specific entries for users \fBroot\fR and \fBfred\fR
 216 to assure that they can login even when the system is running single-user. In
 217 addition, anyone whose password information is stored on an LDAP server will be
 218 able to login with their usual password, shell, and home directory.

220 .sp
 221 .LP
 222 If the password file is:

224 .sp
 225 .in +2
 226 .nf
 227 root:x:0:1:Super-User:/:/sbin/sh
 228 fred:6k/7KCFRPNVXg:508:10:& Fredericks:/usr2/fred:/bin/csh
 229 +
 230 .fi
 231 .in -2
 232 .sp

234 .sp
 235 .LP
 236 and the password entry in \fBnsswitch.conf\fR is:

238 .sp
 239 .in +2
 240 .nf
 241 passwd: compat
 242 .fi
 243 .in -2
 244 .sp

246 .sp
 247 .LP
 248 then all the entries listed in the \fBNIS\fR \fBpasswd.byuid\fR and
 249 \fBpasswd.byname\fR maps will be effectively incorporated after the entries for
 250 \fBroot\fR and \fBfred\fR. If the password entry in \fBnsswitch.conf\fR is:

new/usr/src/man/man4/passwd.4

5

```
252 .sp
253 .in +2
254 .nf
255 passwd_compat: ldap
256 passwd: compat
257 .fi
258 .in -2

260 .sp
261 .LP
262 then all password-related entries stored on the LDAP server will be
263 incorporated after the entries for \fBroot\fR and \fBfred\fR.

265 .sp
266 .LP
267 The following is a sample \fBpasswd\fR file when \fBshadow\fR does not exist:

269 .sp
270 .in +2
271 .nf
272 root:q.mJzTnu8icf.:0:1:Super-User:/:/sbin/sh
273 fred:6k/7KCFRPNVXg:508:10:& Fredericks:/usr2/fred:/bin/csh
274 +john:
275 +@documentation:no-login:
276 +:::Guest
277 .fi
278 .in -2
279 .sp

281 .sp
282 .LP
283 The following is a sample \fBpasswd\fR file when \fBshadow\fR does exist:

285 .sp
286 .in +2
287 .nf
288 root:##root:0:1:Super-User:/:/sbin/sh
289 fred:##fred:508:10:& Fredericks:/usr2/fred:/bin/csh
290 +john:
291 +@documentation:no-login:
292 +:::Guest
293 .fi
294 .in -2
295 .sp

297 .sp
298 .LP
299 In this example, there are specific entries for users \fBroot\fR and
300 \fBfred\fR, to assure that they can log in even when the system is running
301 standalone. The user \fBjohn\fR will have his password entry in the naming
302 service source incorporated without change, anyone in the netgroup
303 \fBdocumentation\fR will have their password field disabled, and anyone else
304 will be able to log in with their usual password, shell, and home directory,
305 but with a \fIgcoss\fR field of \fBGuest\fR

307 .SH FILES
308 .sp
309 .ne 2
310 .na
311 \fB\fR/etc/nsswitch.conf\fR\fR
312 .ad
313 .RS 22n

314 .RE
316 .sp
```

new/usr/src/man/man4/passwd.4

6

```
317 .ne 2
318 .na
319 \fB\fR/etc/passwd\fR\fR
320 .ad
321 .RS 22n

323 .RE

325 .sp
326 .ne 2
327 .na
328 \fB\fR/etc/shadow\fR\fR
329 .ad
330 .RS 22n

332 .RE

334 .SH SEE ALSO
335 .sp
336 .LP
337 \fB\fR(1), \fBchown\fR(1), \fBfinger\fR(1), \fBgroups\fR(1),
338 \fBlogin\fR(1), \fBnewgrp\fR(1), \fBnispasswd\fR(1), \fBpasswd\fR(1),
339 \fBsh\fR(1), \fBsort\fR(1), \fBdomainname\fR(1M), \fBgetent\fR(1M),
340 \fBpassmgmt\fR(1M), \fBpwck\fR(1M), \fBpwconv\fR(1M),
341 \fBin.ftpd\fR(1M), \fBpassmgmt\fR(1M), \fBpwck\fR(1M), \fBpwconv\fR(1M),
342 \fBsu\fR(1M), \fBuseradd\fR(1M), \fBuserdel\fR(1M), \fBusermod\fR(1M),
343 \fBa64l\fR(3C), \fBcrypt\fR(3C), \fBgetpw\fR(3C), \fBgetpwnam\fR(3C),
344 \fBgetspnam\fR(3C), \fBputpwent\fR(3C), \fBgroup\fR(4), \fBhosts.equiv\fR(4),
345 \fBnsswitch.conf\fR(4), \fBshadow\fR(4), \fBenviron\fR(5),
346 \fBunistd.h\fR(3HEAD)
347 .sp
348 .LP
349 \fISystem Administration Guide: Basic Administration\fR
```

new/usr/src/man/man4/syslog.conf.4

1

8391 Fri Aug 15 19:22:30 2014
new/usr/src/man/man4/syslog.conf.4
5069 Removal of wu-ftpd
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

```
1  '\" te
2  '\" Copyright (c) 2013 Gary Mills
3  '\" Copyright (c) 2003 Sun Microsystems, Inc. All Rights Reserved.
4  '\" Copyright (c) 1983 Regents of the University of California. All rights rese
5  .TH SYSLOG.CONF 4 "Nov 19, 2013"
6  .SH NAME
7  syslog.conf \- configuration file for syslogd system log daemon
8  .SH SYNOPSIS
9  .LP
10 .nf
11 \fB/etc/syslog.conf\fR
12 .fi

14 .SH DESCRIPTION
15 .sp
16 .LP
17 The file \fB/etc/syslog.conf\fR contains information used by the system log
18 daemon, \fBsyslogd\fR(1M), to forward a system message to appropriate log files
19 and/or users. \fBsyslogd\fR preprocesses this file through \fBm4\fR(1) to
20 obtain the correct information for certain log files, defining \fBLOGHOST\fR if
21 the address of "loghost" is the same as one of the addresses of the host that
22 is running \fBsyslogd\fR.
23 .sp
24 .LP
25 A configuration entry is composed of two TAB-separated fields:
26 .sp
27 .in +2
28 .nf
29 \fIselector          action\fR
30 .fi
31 .in -2

32 .sp
33 .LP
34 The \fIselector\fR field contains a semicolon-separated list of priority
35 specifications of the form:
36 .sp
37 .in +2
38 .nf
39 \fIfacility\fR\fB&.\fR\fIlevel\fR [ \fB;\fR \fIfacility\fR\fB&.\fR\fIlevel\fR
40 .fi
41 .in -2

43 .sp
44 .LP
45 where \fIfacility\fR is a system facility, or comma-separated list of
46 facilities, and \fIlevel\fR is an indication of the severity of the condition
47 being logged.
48 The presence of a facility name only implies that it is available.
49 Each individual service determines which facility it will use for logging.
50 In particular, many facilities are only useful for \fBsyslog\fR messages
51 that are forwarded from other operating systems.
52 Recognized values for \fIfacility\fR include:
53 .sp
```

new/usr/src/man/man4/syslog.conf.4

2

```
54 .ne 2
55 .na
56 \fB\fBkern\fR\fR
57 .ad
58 .RS 12n
59 Messages generated by the kernel.
60 .RE

62 .sp
63 .ne 2
64 .na
65 \fB\fBuser\fR\fR
66 .ad
67 .RS 12n
68 Messages generated by user processes. This is the default priority for messages
69 from programs or facilities not listed in this file.
70 .RE

72 .sp
73 .ne 2
74 .na
75 \fB\fBmail\fR\fR
76 .ad
77 .RS 12n
78 The mail system.
79 .RE

81 .sp
82 .ne 2
83 .na
84 \fB\fBdaemon\fR\fR
85 .ad
86 .RS 12n
87 Various system daemons.
88 .RE

90 .sp
91 .ne 2
92 .na
93 \fB\fBauth\fR\fR
94 .ad
95 .RS 12n
96 The authorization system: \fBlogin\fR(1), \fBbsu\fR(1M), \fBgetty\fR(1M), among
97 others.
98 .RE

100 .sp
101 .ne 2
102 .na
103 \fB\fBlpr\fR\fR
104 .ad
105 .RS 12n
106 The line printer spooling system: \fBlpr\fR(1B), \fBlpc\fR(1B), among others.
107 .RE

109 .sp
110 .ne 2
111 .na
112 \fB\fBnews\fR\fR
113 .ad
114 .RS 12n
115 Designated for the USENET network news system.
116 .RE

118 .sp
119 .ne 2
```

new/usr/src/man/man4/syslog.conf.4

3

```

120 .na
121 \fB\fBuucp\fR\fR
122 .ad
123 .RS 12n
124 Designated for the UUCP system; it does not currently use the \fBsyslog\fR
125 mechanism.
126 .RE

128 .sp
129 .ne 2
130 .na
131 \fB\fBaltcron\fR\fR
132 .ad
133 .RS 12n
134 Designated for the BSD cron/at system.
135 .RE

137 .sp
138 .ne 2
139 .na
140 \fB\fBauthpriv\fR\fR
141 .ad
142 .RS 12n
143 Designated for the BSD security/authorization system.
144 .RE

146 .sp
147 .ne 2
148 .na
149 \fB\fBftp\fR\fR
150 .ad
151 .RS 12n
152 Designated for the file transfer system.
153 The current version of \fBbin.ftpd\fR(1M) does not use this facility
154 for logging.
155 .RE

155 .sp
156 .ne 2
157 .na
158 \fB\fBntp\fR\fR
159 .ad
160 .RS 12n
161 Designated for the network time system.
162 .RE

164 .sp
165 .ne 2
166 .na
167 \fB\fBaudit\fR\fR
168 .ad
169 .RS 12n
170 Designated for audit messages generated by systems that audit by means of
171 syslog.
172 .RE

174 .sp
175 .ne 2
176 .na
177 \fB\fBconsole\fR\fR
178 .ad
179 .RS 12n
180 Designated for the BSD console system.
181 .RE

183 .sp

```

new/usr/src/man/man4/syslog.conf.4

4

```

184 .ne 2
185 .na
186 \fB\fBcron\fR\fR
187 .ad
188 .RS 12n
189 Designated for \fBcron\fR/\fBat\fR messages generated by systems that do
190 logging through \fBsyslog\fR.
191 The current versions of \fBcron\fR and \fBat\fR do not use this facility
192 for logging.
193 .RE

195 .sp
196 .ne 2
197 .na
198 \fB\fBlocal0-7\fR\fR
199 .ad
200 .RS 12n
201 Designated for local use.
202 .RE

204 .sp
205 .ne 2
206 .na
207 \fB\fBmark\fR\fR
208 .ad
209 .RS 12n
210 For timestamp messages produced internally by \fBsyslogd\fR.
211 .RE

213 .sp
214 .ne 2
215 .na
216 \fB\fB*\fR\fR
217 .ad
218 .RS 12n
219 An asterisk indicates all facilities except for the \fBmark\fR facility.
220 .RE

222 .sp
223 .LP
224 Recognized values for \fBilevel\fR are (in descending order of severity):
225 .sp
226 .ne 2
227 .na
228 \fB\fBemerg\fR\fR
229 .ad
230 .RS 11n
231 For panic conditions that would normally be broadcast to all users.
232 .RE

234 .sp
235 .ne 2
236 .na
237 \fB\fBalert\fR\fR
238 .ad
239 .RS 11n
240 For conditions that should be corrected immediately, such as a corrupted system
241 database.
242 .RE

244 .sp
245 .ne 2
246 .na
247 \fB\fBcrit\fR\fR
248 .ad
249 .RS 11n

```

```

250 For warnings about critical conditions, such as hard device errors.
251 .RE

253 .sp
254 .ne 2
255 .na
256 \fB\fBerr\fR\fR
257 .ad
258 .RS 11n
259 For other errors.
260 .RE

262 .sp
263 .ne 2
264 .na
265 \fB\fBwarning\fR\fR
266 .ad
267 .RS 11n
268 For warning messages.
269 .RE

271 .sp
272 .ne 2
273 .na
274 \fB\fBnotice\fR\fR
275 .ad
276 .RS 11n
277 For conditions that are not error conditions, but may require special handling.
278 A configuration entry with a \fIlevel\fR value of \fBnotice\fR must appear on a
279 separate line.
280 .RE

282 .sp
283 .ne 2
284 .na
285 \fB\fBinfo\fR\fR
286 .ad
287 .RS 11n
288 Informational messages.
289 .RE

291 .sp
292 .ne 2
293 .na
294 \fB\fBdebug\fR\fR
295 .ad
296 .RS 11n
297 For messages that are normally used only when debugging a program.
298 .RE

300 .sp
301 .ne 2
302 .na
303 \fB\fBnone\fR\fR
304 .ad
305 .RS 11n
306 Do not send messages from the indicated \fIfacility\fR to the selected file.
307 For example, a \fIselector\fR of
308 .sp
309 \fB*.debug;mail.none\fR
310 .sp
311 sends all messages \fIexcept\fR mail messages to the selected file.
312 .RE

314 .sp
315 .LP

```

```

316 For a given \fIfacility\fR and \fIlevel\fR, \fBsyslogd\fR matches all messages
317 for that level and all higher levels. For example, an entry that specifies a
318 level of \fBcrit\fR also logs messages at the \fBalert\fR and \fBemerg\fR
319 levels.
320 .sp
321 .LP
322 The \fIaction\fR field indicates where to forward the message. Values for this
323 field can have one of four forms:
324 .RS +4
325 .TP
326 .ie t \ (bu
327 .el o
328 A filename, beginning with a leading slash, which indicates that messages
329 specified by the \fIselector\fR are to be written to the specified file. The
330 file is opened in append mode if it exists. If the file does not exist, logging
331 silently fails for this action.
332 .RE
333 .RS +4
334 .TP
335 .ie t \ (bu
336 .el o
337 The name of a remote host, prefixed with an \fB@\fR, as with:
338 \fB@\fR\fR, which indicates that messages specified by the
339 \fIselector\fR are to be forwarded to the \fBsyslogd\fR on the named host. The
340 hostname "loghost" is treated, in the default \fBsyslog.conf\fR, as the
341 hostname given to the machine that logs \fBsyslogd\fR messages. Every machine
342 is "loghost" by default, per the hosts database. It is also possible to specify
343 one machine on a network to be "loghost" by, literally, naming the machine
344 "loghost". If the local machine is designated to be "loghost", then
345 \fBsyslogd\fR messages are written to the appropriate files. Otherwise, they
346 are sent to the machine "loghost" on the network.
347 .RE
348 .RS +4
349 .TP
350 .ie t \ (bu
351 .el o
352 A comma-separated list of usernames, which indicates that messages specified by
353 the \fIselector\fR are to be written to the named users if they are logged in.
354 .RE
355 .RS +4
356 .TP
357 .ie t \ (bu
358 .el o
359 An asterisk, which indicates that messages specified by the \fIselector\fR are
360 to be written to all logged-in users.
361 .RE
362 .sp
363 .LP
364 Blank lines are ignored. Lines for which the first nonwhite character is
365 a '\fB#\fR' are treated as comments.
366 .SH EXAMPLES
367 .LP
368 \fBExample 1 \fR Sample Configuration File
369 .sp
370 .LP
371 With the following configuration file:

373 .sp

375 .sp
376 .TS
377 l l
378 l l .
379 \fB*.notice\fR \fB/var/log/notice\fR
380 \fBmail.info\fR \fB/var/log/notice\fR
381 \fB*.crit\fR \fB/var/log/critical\fR

```

```
382 \fBkern,mark.debug\fR    \fB/dev/console\fR
383 \fBkern.err\fR    \fB@server\fR
384 \fB*.emerg\fR    \fB*\fR
385 \fB*.alert\fR    \fB/root,operator\fR
386 \fB*.alert;auth.warning\fR    \fB/var/log/auth\fR
387 .TE

389 .sp
390 .LP
391 \fBsyslogd\fR(1M) logs all mail system messages except \fBdebug\fR messages and
392 all \fBnotice\fR (or higher) messages into a file named \fB/var/log/notice\fR.
393 It logs all critical messages into \fB/var/log/critical\fR, and all kernel
394 messages and 20-minute marks onto the system console.

396 .sp
397 .LP
398 Kernel messages of \fBerr\fR (error) severity or higher are forwarded to the
399 machine named \fBserver\fR. Emergency messages are forwarded to all users. The
400 users \fB/root\fR and \fBoperator\fR are informed of any \fBalert\fR messages.
401 All messages from the authorization system of \fBwarning\fR level or higher are
402 logged in the file \fB/var/log/auth\fR.

404 .SH ATTRIBUTES
408 .sp
409 .LP
406 See \fBattributes\fR(5) for descriptions of the following attributes:
407 .sp

409 .sp
410 .TS
411 box;
412 c | c
413 l | l .
414 ATTRIBUTE TYPE    ATTRIBUTE VALUE
415 _
416 Interface Stability    Stable
417 .TE

419 .SH SEE ALSO
424 .sp
420 .LP
421 \fBbat\fR(1), \fBcrontab\fR(1), \fBlogger\fR(1), \fBlogin\fR(1), \fBlp\fR(1),
422 \fBlpc\fR(1B), \fBlpr\fR(1B), \fBm4\fR(1), \fBcron\fR(1M), \fBgetty\fR(1M),
423 \fBin.ftpd\fR(1M), \fBsu\fR(1M), \fBsyslogd\fR(1M), \fBsyslog\fR(3C),
424 \fBhosts\fR(4), \fBattributes\fR(5)
```

new/usr/src/pkg/manifests/SUNWcs.man4.inc

1

4894 Fri Aug 15 19:22:31 2014
new/usr/src/pkg/manifests/SUNWcs.man4.inc
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.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 2011, Richard Lowe
14 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
15 #
16 #
17 file path=usr/share/man/man4/Intro.4
18 file path=usr/share/man/man4/audit.log.4
19 file path=usr/share/man/man4/audit_class.4
20 file path=usr/share/man/man4/audit_control.4
21 file path=usr/share/man/man4/audit_event.4
22 file path=usr/share/man/man4/audit_user.4
23 file path=usr/share/man/man4/auth_attr.4
24 file path=usr/share/man/man4/contract.4
25 file path=usr/share/man/man4/core.4
26 file path=usr/share/man/man4/crypt.conf.4
27 file path=usr/share/man/man4/crypto_certs.4
28 file path=usr/share/man/man4/d_passwd.4
29 file path=usr/share/man/man4/dacf.conf.4
30 file path=usr/share/man/man4/default_fs.4
31 file path=usr/share/man/man4/defaultrouter.4
32 file path=usr/share/man/man4/device_allocate.4
33 file path=usr/share/man/man4/device_contract.4
34 file path=usr/share/man/man4/device_maps.4
35 file path=usr/share/man/man4/devices.4
36 file path=usr/share/man/man4/dfstab.4
37 file path=usr/share/man/man4/dhcp_inittab.4
38 file path=usr/share/man/man4/dialups.4
39 file path=usr/share/man/man4/ethers.4
40 file path=usr/share/man/man4/exec_attr.4
41 file path=usr/share/man/man4/format.dat.4
42 file path=usr/share/man/man4/fspec.4
43 file path=usr/share/man/man4/fstypes.4
44 file path=usr/share/man/man4/ftpusers.4
45 #endif /* ! codereview */
46 file path=usr/share/man/man4/fx_dptbl.4
47 file path=usr/share/man/man4/group.4
48 file path=usr/share/man/man4/hosts.4
49 file path=usr/share/man/man4/ike.config.4
50 file path=usr/share/man/man4/ike.preshared.4
51 file path=usr/share/man/man4/inet_type.4
52 file path=usr/share/man/man4/inetd.conf.4
53 file path=usr/share/man/man4/init.4
54 file path=usr/share/man/man4/init.d.4
```

new/usr/src/pkg/manifests/SUNWcs.man4.inc

2

```
55 file path=usr/share/man/man4/inittab.4
56 file path=usr/share/man/man4/ipaddrsel.conf.4
57 file path=usr/share/man/man4/ipnodes.4
58 file path=usr/share/man/man4/issue.4
59 file path=usr/share/man/man4/logadm.conf.4
60 file path=usr/share/man/man4/logindevperm.4
61 file path=usr/share/man/man4/loginlog.4
62 file path=usr/share/man/man4/magic.4
63 file path=usr/share/man/man4/mnttab.4
64 file path=usr/share/man/man4/ndpd.conf.4
65 file path=usr/share/man/man4/netconfig.4
66 file path=usr/share/man/man4/netgroup.4
67 file path=usr/share/man/man4/netid.4
68 file path=usr/share/man/man4/netmasks.4
69 file path=usr/share/man/man4/networks.4
70 file path=usr/share/man/man4/nodename.4
71 file path=usr/share/man/man4/nologin.4
72 file path=usr/share/man/man4/notrouter.4
73 file path=usr/share/man/man4/nsd.conf.4
74 file path=usr/share/man/man4/nsswitch.conf.4
75 file path=usr/share/man/man4/packingrules.4
76 file path=usr/share/man/man4/pam.conf.4
77 file path=usr/share/man/man4/passwd.4
78 file path=usr/share/man/man4/phones.4
79 file path=usr/share/man/man4/policy.conf.4
80 file path=usr/share/man/man4/prof_attr.4
81 file path=usr/share/man/man4/profile.4
82 file path=usr/share/man/man4/project.4
83 file path=usr/share/man/man4/protocols.4
84 file path=usr/share/man/man4/queuedefs.4
85 file path=usr/share/man/man4/rcmscript.4
86 file path=usr/share/man/man4/remote.4
87 file path=usr/share/man/man4/rpc.4
88 file path=usr/share/man/man4/rt_dptbl.4
89 file path=usr/share/man/man4/service_bundle.4
90 file path=usr/share/man/man4/service_provider.conf.4
91 file path=usr/share/man/man4/services.4
92 file path=usr/share/man/man4/shadow.4
93 file path=usr/share/man/man4/sharetab.4
94 file path=usr/share/man/man4/shells.4
95 file path=usr/share/man/man4/sulog.4
96 file path=usr/share/man/man4/syslog.conf.4
97 file path=usr/share/man/man4/term.4
98 file path=usr/share/man/man4/terminfo.4
99 file path=usr/share/man/man4/timezone.4
100 file path=usr/share/man/man4/ttydefs.4
101 file path=usr/share/man/man4/ttysrch.4
102 file path=usr/share/man/man4/ufsdump.4
103 file path=usr/share/man/man4/user_attr.4
104 file path=usr/share/man/man4/utmp.4
105 file path=usr/share/man/man4/utmpx.4
106 file path=usr/share/man/man4/vfstab.4
107 file path=usr/share/man/man4/wanboot.conf.4
108 file path=usr/share/man/man4/zoneinfo.4
109 link path=usr/share/man/man4/devic_cache.4 target=devices.4
110 link path=usr/share/man/man4/devname_cache.4 target=devices.4
111 link path=usr/share/man/man4/dumpdates.4 target=ufsdump.4
112 link path=usr/share/man/man4/fbtabs.4 target=logindevperm.4
113 link path=usr/share/man/man4/fs.4 target=default_fs.4
114 link path=usr/share/man/man4/intro.4 target=Intro.4
115 link path=usr/share/man/man4/mdi_ib_cache.4 target=devices.4
116 link path=usr/share/man/man4/mdi_scsi_vhci_cache.4 target=devices.4
117 link path=usr/share/man/man4/pci_unitaddr_persistent.4 target=devices.4
118 link path=usr/share/man/man4/snapshot_cache.4 target=devices.4
119 link path=usr/share/man/man4/wtmp.4 target=utmp.4
120 link path=usr/share/man/man4/wtmpx.4 target=utmpx.4
```

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

1

89698 Fri Aug 15 19:22:32 2014
new/usr/src/pkg/manifests/SUNWcs.mf
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.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
```

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

2

```
55 dir path=etc/ftpd group=sys
56 dir path=etc/inet group=sys
57 dir path=etc/init.d group=sys
58 dir path=etc/lib group=sys
59 dir path=etc/logadm.d group=sys
60 dir path=etc/mail group=mail
61 dir path=etc/net group=sys
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
```

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

3

```
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/cacheafs 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
```

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

4

```
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
```

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

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```
253 dir path=usr/share/man/man1m
254 dir path=usr/share/man/man4
255 dir path=usr/share/man/man5
256 dir path=usr/share/man/man7d
257 dir path=usr/share/man/man7fs
258 dir path=usr/share/src group=sys
259 dir path=var group=sys
260 dir path=var/adm group=sys mode=0775
261 dir path=var/adm/exacct group=adm owner=adm
262 dir path=var/adm/log group=adm owner=adm
263 dir path=var/adm/streams group=sys
264 dir path=var/audit group=sys
265 dir path=var/cores group=sys
266 dir path=var/cron group=sys
267 dir path=var/games
268 dir path=var/ldmap 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
```

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

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```
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/datensk 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/keyserf group=sys preserve=true
344 file path=etc/default/login group=sys preserve=true
345 file path=etc/default/nss group=sys preserve=true
346 file path=etc/default/passwd group=sys preserve=true
347 file path=etc/default/su group=sys preserve=true
348 file path=etc/default/syslogd group=sys preserve=true
349 file path=etc/default/tar group=sys preserve=true
350 file path=etc/default/useradd group=sys preserve=true
351 file path=etc/default/utmpd group=sys preserve=true
352 file path=etc/dev/reserved_devnames group=sys preserve=true
353 file path=etc/device.tab group=root mode=0444 preserve=true
354 file path=etc/dfs/dfstab group=sys preserve=true
355 file path=etc/dfs/fstypes group=root preserve=true
356 file path=etc/dfs/sharetab group=root mode=0444 preserve=true
357 file path=etc/dgroup.tab group=sys mode=0444 preserve=true
358 file path=etc/dhcp/inittab group=sys preserve=true
359 file path=etc/dhcp/inittab6 group=sys preserve=true
360 file path=etc/dumpdates group=sys mode=0664 preserve=true
361 file path=etc/format.dat group=sys preserve=true
362 file path=etc/fs/dev/mount mode=0555
363 file path=etc/fs/hsfs/mount mode=0555
364 file path=etc/fs/ufs/mount mode=0555
365 file path=etc/ftpd/ftpusers group=sys preserve=true
366 file path=etc/group group=sys preserve=true
367 file path=etc/inet/hosts group=sys preserve=true
368 file path=etc/inet/inetd.conf group=sys preserve=true
369 file path=etc/inet/ipaddrsl.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/cacheofs.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/nsd 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/mnttab group=root mode=0444 preserve=true
392 file path=etc/motd group=sys preserve=true
393 file path=etc/net/ticlts/hosts group=sys
394 file path=etc/net/ticlts/services group=sys preserve=true
395 file path=etc/net/ticots/hosts group=sys
396 file path=etc/net/ticots/services group=sys preserve=true
397 file path=etc/net/ticotsord/hosts group=sys
398 file path=etc/net/ticotsord/services group=sys preserve=true
399 file path=etc/netconfig group=sys preserve=true
400 file path=etc/nscd.conf group=sys preserve=true
401 file path=etc/nsswitch.ad group=sys
402 file path=etc/nsswitch.conf group=sys preserve=true
403 file path=etc/nsswitch.dns group=sys
404 file path=etc/nsswitch.files group=sys
405 file path=etc/nsswitch.ldap group=sys
406 file path=etc/pam.conf group=sys preserve=true
407 file path=etc/passwd group=sys preserve=true
408 file path=etc/profile group=sys preserve=true
409 file path=etc/project group=sys preserve=true
410 file path=etc/rc2.d/README group=sys
411 file path=etc/rc3.d/README group=sys
412 file path=etc/rcS.d/README group=sys
413 file path=etc/remote preserve=true
414 file path=etc/rpc group=sys preserve=true
415 file path=etc/saf/_sactab group=sys preserve=true
416 file path=etc/saf/_sysconfig group=sys preserve=true
417 file path=etc/saf/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=renamew
440 file path=etc/security/prof_attr group=sys preserve=true \
441   timestamp=19700101T000000Z
442 file path=etc/security/prof_attr.d/SUNWcs group=sys
443 file path=etc/shadow group=sys mode=0400 preserve=true
444 file path=etc/skel/.profile group=other preserve=true
445 file path=etc/skel/local.cshrc group=sys preserve=true
446 file path=etc/skel/local.login group=sys preserve=true
447 file path=etc/skel/local.profile group=sys preserve=true
448 file path=etc/svc/profile/generic.limited_net.xml group=sys mode=0444
449 file path=etc/svc/profile/generic_open.xml group=sys mode=0444
450 file path=etc/svc/profile/inetd_generic.xml group=sys mode=0444
```

```
451 file path=etc/svc/profile/inetd_upgrade.xml group=sys mode=0444
452 file path=etc/svc/profile/ns_dns.xml group=sys mode=0444
453 file path=etc/svc/profile/ns_files.xml group=sys mode=0444
454 file path=etc/svc/profile/ns_ldap.xml group=sys mode=0444
455 file path=etc/svc/profile/ns_nis.xml group=sys mode=0444
456 file path=etc/svc/profile/ns_none.xml group=sys mode=0444
457 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,SPARC-Enterprise.xml \
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-Netractor.xml group=sys \
470   mode=0444
471 file path=etc/svc/profile/platform_none.xml group=sys mode=0444
472 $(sparc_ONLY)file path=etc/svc/profile/platform_sun4v.xml group=sys mode=0444
473 file path=etc/sysevent/config/README group=sys mode=0444
474 file path=etc/sysevent/config/SUNW,EC_dr,ESC_dr_req,sysevent.conf group=sys
475 file path=etc/syslog.conf group=sys preserve=true
476 file path=etc/ttydefs group=sys preserve=true
477 file path=etc/ttysrhc group=sys preserve=true
478 file path=etc/user_attr group=sys preserve=true timestamp=19700101T000000Z
479 file path=etc/user_attr.d/SUNWcs group=sys
480 file path=etc/vfstab group=sys preserve=true
481 file path=lib/inet/in.mpathd mode=0555
482 file path=lib/inet/ipmgmt mode=0555
483 file path=lib/inet/netcfgd mode=0555
484 file path=lib/inet/nwamd mode=0555
485 file path=lib/svc/bin/lsvcrun group=sys mode=0555
486 file path=lib/svc/bin/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/console-login.xml group=sys mode=0444
537 file path=lib/svc/manifest/system/coreadm.xml group=sys mode=0444
538 file path=lib/svc/manifest/system/cron.xml group=sys mode=0444
539 file path=lib/svc/manifest/system/cryptosvc.xml group=sys mode=0444
540 file path=lib/svc/manifest/system/device/allocate.xml group=sys mode=0444
541 file path=lib/svc/manifest/system/device/devices-audio.xml group=sys mode=0444
542 file path=lib/svc/manifest/system/device/devices-local.xml group=sys mode=0444
543 file path=lib/svc/manifest/system/device/mpxio-upgrade.xml group=sys mode=0444
544 file path=lib/svc/manifest/system/early-manifest-import.xml group=sys \
545     mode=0444
546 file path=lib/svc/manifest/system/extended-accounting.xml group=sys mode=0444
547 file path=lib/svc/manifest/system/filesystem/local-fs.xml group=sys mode=0444
548 file path=lib/svc/manifest/system/filesystem/minimal-fs.xml group=sys \
549     mode=0444
550 file path=lib/svc/manifest/system/filesystem/root-fs.xml group=sys mode=0444
551 file path=lib/svc/manifest/system/filesystem/usr-fs.xml group=sys mode=0444
552 $(i386_ONLY)file path=lib/svc/manifest/system/hostid.xml group=sys mode=0444
553 file path=lib/svc/manifest/system/hotplug.xml group=sys mode=0444
554 file path=lib/svc/manifest/system/identity.xml group=sys mode=0444
555 file path=lib/svc/manifest/system/idmap.xml group=sys mode=0444
556 file path=lib/svc/manifest/system/keymap.xml group=sys mode=0444
557 file path=lib/svc/manifest/system/logadm-upgrade.xml group=sys mode=0444
558 file path=lib/svc/manifest/system/manifest-import.xml group=sys mode=0444
559 file path=lib/svc/manifest/system/name-service-cache.xml group=sys mode=0444
560 file path=lib/svc/manifest/system/pfexecd.xml group=sys mode=0444
561 file path=lib/svc/manifest/system/rbac.xml group=sys mode=0444
562 file path=lib/svc/manifest/system/rmtmpfiles.xml group=sys mode=0444
563 file path=lib/svc/manifest/system/sac.xml group=sys mode=0444
564 file path=lib/svc/manifest/system/svc/global.xml group=sys mode=0444
565 file path=lib/svc/manifest/system/svc/restarter.xml group=sys mode=0444
566 file path=lib/svc/manifest/system/system-log.xml group=sys mode=0444
567 file path=lib/svc/manifest/system/utmp.xml group=sys mode=0444
568 file path=lib/svc/manifest/system/vtdaemon.xml group=sys mode=0444
569 file path=lib/svc/method/boot-archive mode=0555
570 file path=lib/svc/method/boot-archive-update mode=0555
571 file path=lib/svc/method/console-login mode=0555
572 file path=lib/svc/method/devices-audio mode=0555
573 file path=lib/svc/method/devices-local mode=0555
574 file path=lib/svc/method/dns-install mode=0555
575 file path=lib/svc/method/fs-local mode=0555
576 file path=lib/svc/method/fs-minimal mode=0555
577 file path=lib/svc/method/fs-root mode=0555
578 file path=lib/svc/method/fs-usr mode=0555
579 file path=lib/svc/method/identity-domain mode=0555
580 file path=lib/svc/method/identity-node mode=0555
581 file path=lib/svc/method/inetd-upgrade mode=0555
582 file path=lib/svc/method/keymap mode=0555
```

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

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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/priocntl mode=0555
825 file path=usr/bin/profiles mode=0555
826 file path=usr/bin/projects mode=0555
827 file path=usr/bin/putdev mode=0555
828 file path=usr/bin/putdgrp mode=0555
829 file path=usr/bin/pwd mode=0555
830 file path=usr/bin/renice mode=0555
831 file path=usr/bin/rm mode=0555
832 file path=usr/bin/rmdir mode=0555
833 file path=usr/bin/roles mode=0555
834 file path=usr/bin/rpcinfo mode=0555
835 file path=usr/bin/runat mode=0555
836 file path=usr/bin/script mode=0555
837 file path=usr/bin/sed mode=0555
838 file path=usr/bin/setfacl mode=0555
839 file path=usr/bin/setpgrp group=sys mode=0555
840 file path=usr/bin/settime mode=0555
841 file path=usr/bin/shcomp mode=0555
842 file path=usr/bin/strchg group=root mode=0555
843 file path=usr/bin/strconf group=root mode=0555
844 file path=usr/bin/stty mode=0555
845 file path=usr/bin/su group=sys mode=4555
846 file path=usr/bin/svcprop mode=0555
```

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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/man1has/edit.1has
870 file path=usr/has/man/man1has/ex.1has
871 file path=usr/has/man/man1has/sh.1has
872 file path=usr/has/man/man1has/vi.1has
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
```

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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

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979 file path=usr/lib/fs/sharefs/mount mode=0555
980 file path=usr/lib/fs/tmpfs/mount mode=0555
981 file path=usr/lib/fs/ufs/clri mode=0555
982 file path=usr/lib/fs/ufs/df mode=0555
983 file path=usr/lib/fs/ufs/edquota mode=0555
984 file path=usr/lib/fs/ufs/ff mode=0555
985 file path=usr/lib/fs/ufs/fsck mode=0555
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/quot mode=4555
998 file path=usr/lib/fs/ufs/quotacheck mode=0555
999 file path=usr/lib/fs/ufs/quotaooff 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/getoptcv 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

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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/SmfRepairStates.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
```

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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/ZoneManager.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/RtDataAdmin.html
1138 file path=usr/lib/help/profiles/locale/C/RtDefault.html
1139 file path=usr/lib/help/profiles/locale/C/RtDeviceMngmnt.html
1140 file path=usr/lib/help/profiles/locale/C/RtDeviceSecurity.html
1141 file path=usr/lib/help/profiles/locale/C/RtExAcctFlow.html
1142 file path=usr/lib/help/profiles/locale/C/RtExAcctNet.html
1143 file path=usr/lib/help/profiles/locale/C/RtExAcctProcess.html
1144 file path=usr/lib/help/profiles/locale/C/RtExAcctTask.html
1145 file path=usr/lib/help/profiles/locale/C/RtFTPMngmnt.html
1146 file path=usr/lib/help/profiles/locale/C/RtFileSysMngmnt.html
1147 file path=usr/lib/help/profiles/locale/C/RtFileSysSecurity.html
1148 file path=usr/lib/help/profiles/locale/C/RtHotplugMngmnt.html
1149 file path=usr/lib/help/profiles/locale/C/RtIPFilterMngmnt.html
1150 file path=usr/lib/help/profiles/locale/C/RtIdmapMngmnt.html
1151 file path=usr/lib/help/profiles/locale/C/RtIdmapNameRulesMngmnt.html
1152 file path=usr/lib/help/profiles/locale/C/RtInetdMngmnt.html
1153 file path=usr/lib/help/profiles/locale/C/RtKerberosClntMngmnt.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
```

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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/certrld mode=0555
1223 file path=usr/lib/inet/inetd mode=0555
1224 file path=usr/lib/intrd mode=0555
1225 file path=usr/lib/isaexec mode=0555
1226 file path=usr/lib/kssladm mode=0555
1227 file $(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
```

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1243 file path=usr/lib/rcm/modules/SUNW_ip_rcm.so mode=0555
1244 file path=usr/lib/rcm/modules/SUNW_mpxio_rcm.so mode=0555
1245 file path=usr/lib/rcm/modules/SUNW_network_rcm.so mode=0555
1246 file path=usr/lib/rcm/modules/SUNW_swap_rcm.so mode=0555
1247 file $(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.ipsecalg group=sys mode=0555
1270 file path=usr/sadm/install/scripts/i.kcconf group=sys mode=0555
1271 file path=usr/sadm/install/scripts/i.kmconf 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.ipsecalg group=sys mode=0555
1276 file path=usr/sadm/install/scripts/r.kcconf group=sys mode=0555
1277 file path=usr/sadm/install/scripts/r.kmconf 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 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/add_drv group=sys mode=0555
1283 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modinfo group=sys mode=0555
1284 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modload group=sys mode=0555
1285 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modunload group=sys mode=0555
1286 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/pbind group=sys mode=0555
1287 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/prtconf group=sys mode=2555
1288 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/psrset group=sys mode=0555
1289 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/rem_drv group=sys mode=0555
1290 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/swap group=sys mode=2555
1291 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/sysdef group=sys mode=2555
1292 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/update_drv group=sys mode=0555
1293 file $(i386_ONLY)file path=usr/sbin/$(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
```

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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/ifmpadm mode=0555
1347 file path=usr/sbin/ikeadm mode=0555
1348 file path=usr/sbin/ikecert mode=0555
1349 file path=usr/sbin/inetadm mode=0555
1350 file path=usr/sbin/inetconv mode=0555
1351 file path=usr/sbin/install mode=0555
1352 file path=usr/sbin/installboot group=sys mode=0555
1353 file path=usr/sbin/ipaddrsel mode=0555
1354 file path=usr/sbin/ipsecalg mode=0555
1355 file path=usr/sbin/ipsecconf mode=0555
1356 file path=usr/sbin/ipseckey mode=0555
1357 file path=usr/sbin/keyserv group=sys mode=0555
1358 file path=usr/sbin/killall mode=0555
1359 file path=usr/sbin/ksslcfg mode=0555
1360 file path=usr/sbin/link mode=0555
1361 file path=usr/sbin/locator mode=0555
1362 file path=usr/sbin/lofiadm mode=0555
1363 file path=usr/sbin/logadm mode=0555
1364 file path=usr/sbin/makedbm mode=0555
1365 file path=usr/sbin/mkdevalloc mode=0555
1366 file path=usr/sbin/mkfile mode=0555
1367 file path=usr/sbin/mknod mode=0555
1368 file path=usr/sbin/mountall group=sys mode=0555
1369 file path=usr/sbin/msgid mode=0555
1370 file path=usr/sbin/mvdir mode=0555
1371 file path=usr/sbin/ndd mode=0555
1372 file path=usr/sbin/nlsadmin group=adm mode=0755
1373 file path=usr/sbin/nscd mode=0555
1374 file path=usr/sbin/nwamadm mode=0555
```

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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/prtvtoc 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/sttydefs 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
```

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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/bee hive
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
```

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1507 hardlink path=usr/bin/cmp target=../usr/bin/alias
1508 hardlink path=usr/bin/comm target=../usr/bin/alias
1509 hardlink path=usr/bin/command target=../usr/bin/alias
1510 hardlink path=usr/bin/cut target=../usr/bin/alias
1511 hardlink path=usr/bin/decrypt target=../usr/lib/isaexec
1512 hardlink path=usr/bin/digest target=../usr/lib/isaexec
1513 hardlink path=usr/bin/dispgid target=../usr/bin/ckgid
1514 hardlink path=usr/bin/dispuuid 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/pfrksh target=../usr/bin/pfexec
1551 hardlink path=usr/bin/pfrksh93 target=../usr/bin/pfexec
1552 hardlink path=usr/bin/pfsh target=../usr/bin/pfexec
1553 hardlink path=usr/bin/pftcsh target=../usr/bin/pfexec
1554 hardlink path=usr/bin/pfzsh target=../usr/bin/pfexec
1555 hardlink path=usr/bin/pkill target=../usr/bin/pgrep
1556 hardlink path=usr/bin/prctl target=../usr/lib/isaexec
1557 hardlink path=usr/bin/print target=../usr/bin/alias
1558 hardlink path=usr/bin/prstat target=../usr/lib/isaexec
1559 hardlink path=usr/bin/ps target=../usr/lib/isaexec
1560 hardlink path=usr/bin/read target=../usr/bin/alias
1561 hardlink path=usr/bin/red target=../usr/bin/ed
1562 hardlink path=usr/bin/rev target=../usr/bin/alias
1563 hardlink path=usr/bin/rksh target=../usr/lib/isaexec
1564 hardlink path=usr/bin/rksh93 target=../usr/lib/isaexec
1565 hardlink path=usr/bin/savecore target=../usr/lib/isaexec
1566 hardlink path=usr/bin/setuname target=../usr/lib/isaexec
1567 hardlink path=usr/bin/sleep target=../usr/bin/alias
1568 hardlink path=usr/bin/sparc target=../usr/bin/i286
1569 hardlink path=usr/bin/sum target=../usr/bin/alias
1570 hardlink path=usr/bin/sun target=../usr/bin/i286
1571 hardlink path=usr/bin/sun2 target=../usr/bin/i286
1572 hardlink path=usr/bin/sun3 target=../usr/bin/i286
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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=../usr/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=../usr/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=../usr/sbin/fstyp
1606 hardlink path=usr/lib/fs/ufs/quotao \
1607 target=../usr/lib/fs/ufs/quotaooff
1608 hardlink path=usr/lib/inet/in.iked target=../usr/lib/isaexec
1609 hardlink path=usr/sadm/bin/dispgid target=../usr/bin/ckgid
1610 hardlink path=usr/sadm/bin/dispuid target=../usr/bin/ckuid
1611 hardlink path=usr/sadm/bin/errange target=../usr/bin/ckrange
1612 hardlink path=usr/sadm/bin/errdate target=../usr/bin/ckdate
1613 hardlink path=usr/sadm/bin/errgid target=../usr/bin/ckgid
1614 hardlink path=usr/sadm/bin/errint target=../usr/bin/ckint
1615 hardlink path=usr/sadm/bin/erritem target=../usr/bin/ckitem
1616 hardlink path=usr/sadm/bin/errpath target=../usr/bin/ckpath
1617 hardlink path=usr/sadm/bin/errstr target=../usr/bin/ckstr
1618 hardlink path=usr/sadm/bin/errtime target=../usr/bin/cktime
1619 hardlink path=usr/sadm/bin/erruid target=../usr/bin/ckuid
1620 hardlink path=usr/sadm/bin/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

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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/in.ftpd/LICENSE \
1692 license=usr/src/cmd/cmd-inet/usr/sbin/in.ftpd/LICENSE
1693 license usr/src/cmd/cmd-inet/usr/sbin/traceroute/THIRDPARTYLICENSE \
1694 license=usr/src/cmd/cmd-inet/usr/sbin/traceroute/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/ftpusers target=../ftpd/ftpusers
1736 #endif /* ! codereview */
1737 link path=etc/getty target=../usr/lib/saf/ttymon
1738 link path=etc/grpck target=../usr/sbin/grpck
1739 link path=etc/halt target=../usr/sbin/halt
1740 link path=etc/hosts target=../inet/hosts
1741 link path=etc/inet/ipnodes target=../hosts
1742 link path=etc/inetd.conf target=../inet/inetd.conf
1743 link path=etc/init target=../sbin/init
1744 link path=etc/install target=../usr/sbin/install
1745 link path=etc/killall target=../usr/sbin/killall
1746 link path=etc/labelit target=../usr/sbin/labelit
1747 link path=etc/lib/ld.so.1 target=../lib/ld.so.1
1748 link path=etc/lib/libdl.so.1 target=../lib/libdl.so.1
1749 link path=etc/lib/nss_files.so.1 target=../lib/nss_files.so.1
1750 link path=etc/log target=../var/adm/log
1751 link path=etc/mkfs target=../usr/sbin/mkfs
1752 link path=etc/mknod target=../usr/sbin/mknod
1753 link path=etc/mount target=../sbin/mount
1754 link path=etc/mountall target=../sbin/mountall
1755 link path=etc/ncheck target=../usr/sbin/ncheck
1756 link path=etc/netmasks target=../inet/netmasks
1757 link path=etc/networks target=../inet/networks
1758 link path=etc/protocols target=../inet/protocols
1759 link path=etc/prtconf target=../usr/sbin/prtconf
1760 link path=etc/prvtoc target=../usr/sbin/prvtoc
1761 link path=etc/rc0 target=../sbin/rc0
1762 link path=etc/rc1 target=../sbin/rc1
1763 link path=etc/rc2 target=../sbin/rc2
1764 link path=etc/rc3 target=../sbin/rc3
1765 link path=etc/rc5 target=../sbin/rc5
1766 link path=etc/rc6 target=../sbin/rc6
1767 link path=etc/rcS target=../sbin/rcS
1768 link path=etc/reboot target=../usr/sbin/halt

```

```

1769 link path=etc/security/audit/localhost/files target=../../../var/audit
1770 link path=etc/services target=../inet/services
1771 link path=etc/setmnt target=../usr/sbin/setmnt
1772 link path=etc/shutdown target=../usr/sbin/shutdown
1773 link path=etc/sulogin target=../sbin/sulogin
1774 link path=etc/swap target=../usr/sbin/swap
1775 link path=etc/swapadd target=../sbin/swapadd
1776 link path=etc/sysdef target=../usr/sbin/sysdef
1777 link path=etc/tar target=../usr/sbin/tar
1778 link path=etc/telinit target=../sbin/init
1779 link path=etc/uadmin target=../sbin/uadmin
1780 link path=etc/umount target=../sbin/umount
1781 link path=etc/umountall target=../sbin/umountall
1782 link path=etc/utmpx target=../var/adm/utmpx
1783 link path=etc/volcopy target=../usr/sbin/volcopy
1784 link path=etc/wall target=../usr/sbin/wall
1785 link path=etc/whodo target=../usr/sbin/whodo
1786 link path=etc/wtmpx target=../var/adm/wtmpx
1787 link path=sbin/in.mpathd target=../lib/inet/in.mpathd
1788 link path=sbin/jsh target=../usr/bin/ksh93
1789 link path=sbin/pfsh target=../usr/bin/pfexec
1790 link path=sbin/sh target=../usr/bin/$(ARCH32)/ksh93
1791 link path=sbin/su target=../usr/bin/su
1792 link path=usr/adm target=../var/adm
1793 link path=usr/bin/cachefspack target=../lib/fs/cachefs/cachefspack
1794 link path=usr/bin/cachefsstat target=../lib/fs/cachefs/cachefsstat
1795 link path=usr/bin/df target=../sbin/df
1796 link path=usr/bin/jsh target=ksh93
1797 link path=usr/bin/pwconv target=../sbin/pwconv
1798 link path=usr/bin/rmail target=../mail
1799 link path=usr/bin/sh target=$(ARCH32)/ksh93
1800 link path=usr/bin/strclean target=../sbin/strclean
1801 link path=usr/bin/strerr target=../sbin/strerr
1802 link path=usr/bin/sync target=../sbin/sync
1803 link path=usr/bin/tar target=../sbin/tar
1804 link path=usr/bin/uname target=../sbin/uname
1805 link path=usr/ccs/bin/m4 target=../bin/m4
1806 link path=usr/has/bin/jsh target=sh
1807 link path=usr/has/lib/rsh target=../bin/sh
1808 link path=usr/lib/$(ARCH64)/ld.so.1 target=../lib/$(ARCH64)/ld.so.1
1809 link path=usr/lib/cron target=../etc/cron.d
1810 link path=usr/lib/devfsadm/devfsadm target=../sbin/devfsadm
1811 link path=usr/lib/embedded_su target=../bin/su
1812 link path=usr/lib/fs/dev/mount target=../etc/fs/dev/mount
1813 link path=usr/lib/fs/hsfs/mount target=../etc/fs/hsfs/mount
1814 link path=usr/lib/fs/ufs/mount target=../etc/fs/ufs/mount
1815 link path=usr/lib/inet/in.mpathd target=../lib/inet/in.mpathd
1816 link path=usr/lib/ld.so.1 target=../lib/ld.so.1
1817 link path=usr/lib/locale/POSIX target=../C
1818 link path=usr/lib/rsh target=../bin/ksh93
1819 link path=usr/lib/secure/32 target=..
1820 link path=usr/lib/secure/64 target=$(ARCH64)
1821 link path=usr/lib/wusbd target=../sbin/wusbadm
1822 link path=usr/mail target=../var/mail
1823 link path=usr/net/nls/listen target=../lib/saf/listen
1824 link path=usr/net/nls/nlps_server target=../lib/saf/nlps_server
1825 link path=usr/news target=../var/news
1826 link path=usr/preserve target=../var/preserve
1827 link path=usr/pub target=../share/lib/pub
1828 link path=usr/sbin/autopush target=../sbin/autopush
1829 link path=usr/sbin/bootadm target=../sbin/bootadm
1830 link path=usr/sbin/cachefslog target=../lib/fs/cachefs/cachefslog
1831 link path=usr/sbin/cachefswsize target=../lib/fs/cachefs/cachefswsize
1832 link path=usr/sbin/cfsadmin target=../lib/fs/cachefs/cfsadmin
1833 link path=usr/sbin/cryptoadm target=../sbin/cryptoadm
1834 link path=usr/sbin/dcopy target=../clri

```

```

1835 link path=usr/sbin/devnm target=../df
1836 link path=usr/sbin/dladm target=../sbin/dladm
1837 link path=usr/sbin/dlstat target=../sbin/dlstat
1838 link path=usr/sbin/edquota target=../lib/fs/ufs/edquota
1839 link path=usr/sbin/fdisk target=../sbin/fdisk
1840 link path=usr/sbin/fiocompress target=../sbin/fiocompress
1841 link path=usr/sbin/flowadm target=../sbin/flowadm
1842 link path=usr/sbin/flowstat target=../sbin/flowstat
1843 link path=usr/sbin/fsdb target=../clri
1844 link path=usr/sbin/fsirand target=../lib/fs/ufs/fsirand
1845 link path=usr/sbin/fssnap target=../clri
1846 link path=usr/sbin/hostconfig target=../sbin/hostconfig
1847 link path=usr/sbin/ifconfig target=../sbin/ifconfig
1848 link path=usr/sbin/inetd target=../lib/inet/inetd
1849 link path=usr/sbin/init target=../sbin/init
1850 $(i386_ONLY)link path=usr/sbin/installgrub target=../sbin/installgrub
1851 link path=usr/sbin/ipadm target=../sbin/ipadm
1852 link path=usr/sbin/ippmpstat target=../sbin/ippmpstat
1853 link path=usr/sbin/labelit target=../clri
1854 link path=usr/sbin/lockfs target=../lib/fs/ufs/lockfs
1855 link path=usr/sbin/mkfs target=../clri
1856 link path=usr/sbin/mount target=../sbin/mount
1857 link path=usr/sbin/ncheck target=../ff
1858 link path=usr/sbin/newfs target=../lib/fs/ufs/newfs
1859 link path=usr/sbin/quot target=../lib/fs/ufs/quot
1860 link path=usr/sbin/quota target=../lib/fs/ufs/quota
1861 link path=usr/sbin/quotacheck target=../lib/fs/ufs/quotacheck
1862 link path=usr/sbin/quotaoff target=../lib/fs/ufs/quotaoff
1863 link path=usr/sbin/quotaoon target=../lib/fs/ufs/quotaoon
1864 link path=usr/sbin/repquota target=../lib/fs/ufs/repquota
1865 link path=usr/sbin/route target=../sbin/route
1866 link path=usr/sbin/routeadm target=../sbin/routeadm
1867 link path=usr/sbin/sync target=../sbin/sync
1868 link path=usr/sbin/tunefs target=../lib/fs/ufs/tunefs
1869 link path=usr/sbin/tzreload target=../sbin/tzreload
1870 link path=usr/sbin/uadmin target=../sbin/uadmin
1871 link path=usr/sbin/ufsdump target=../lib/fs/ufs/ufsdump
1872 link path=usr/sbin/ufsrestore target=../lib/fs/ufs/ufsrestore
1873 link path=usr/sbin/umount target=../sbin/umount
1874 link path=usr/sbin/wusbadm target=../sbin/wusbadm
1875 link path=usr/spool target=../var/spool
1876 link path=usr/src target=../share/src
1877 link path=usr/tmp target=../var/tmp
1878 link path=var/ld/32 target=
1879 link path=var/ld/64 target=$(ARCH64)
1880 #
1881 # The bootadm binary needs the etc/release file.
1882 #
1883 depend fmri=release/name type=require
1884 #
1885 # intrd and others use the illumos-defaulted perl interpreter
1886 #
1887 depend fmri=runtime/perl$(PERL_PKGVERS) type=require
1888 #
1889 # intrd uses sun-solaris Perl modules
1890 #
1891 depend fmri=runtime/perl$(PERL_PKGVERS)/module/sun-solaris type=require
1892 #
1893 # The loadkeys binary needs the keytables.
1894 #
1895 depend fmri=system/data/keyboard/keytables type=require
1896 #
1897 # Depend on terminfo data.
1898 #
1899 depend fmri=system/data/terminfo type=require
1900 #

```

```

1901 # Depend on zoneinfo data.
1902 #
1903 depend fmri=system/data/zoneinfo type=require

```

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

1

1104 Fri Aug 15 19:22:33 2014
new/usr/src/pkg/manifests/SUNWftp.mf
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

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24 #

26 # Was renamed to service/network/ftp, both now obsolete

28 #endif /* ! codereview */
29 set name=pkg.fmri value=pkg:/SUNWftp@0.5.11,5.11-0.133
30 set name=pkg.obsolete value=true
31 set name=org.opensolaris.noincorp value=true
26 set name=pkg.renamed value=true
32 set name=variant.arch value=\$(ARCH)
28 depend fmri=pkg:/service/network/ftp@0.5.11,5.11-0.133 type=require

new/usr/src/pkg/manifests/network-ftp.mf

1

2135 Fri Aug 15 19:22:33 2014
new/usr/src/pkg/manifests/network-ftp.mf
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

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21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25 #
26 set name=pkg.fmri value=pkg:/network/ftp@$(PKGVERS)
27 set name=pkg.description value="Basic IP commands (/usr/sbin/ping, /bin/ftp)"
28 set name=pkg.summary value="Basic IP commands"
29 set name=info.classification \
30     value="org.opensolaris.category.2008:Applications/System Utilities"
31 set name=variant.arch value=$(ARCH)
32 dir path=etc group=sys
33 dir path=etc/default group=sys
34 dir path=usr group=sys
35 dir path=usr/bin
36 dir path=usr/sbin
37 dir path=usr/share/man
38 dir path=usr/share/man/man1
39 dir path=usr/share/man/man1m
40 dir path=usr/share/man/man4
41 file path=etc/default/ftp group=sys original_name=SUNWbip:etc/default/ftp \
42     preserve=true
43 file path=usr/bin/ftp mode=0555
44 file path=usr/sbin/ping mode=4555
45 file path=usr/share/man/man1/ftp.1
46 file path=usr/share/man/man1m/ping.1m
47 file path=usr/share/man/man4/ftp.4
48 #endif /* ! codereview */
49 file path=usr/share/man/man4/netrc.4
50 legacy pkg=SUNWbip desc="Basic IP commands (/usr/sbin/ping, /bin/ftp)" \
51     name="Basic IP commands (Usr)"
52 legacy pkg=SUNWbipr desc="Basic IP commands (Root)" \
53     name="Basic IP commands (Root)"
54 license cr_ATT license=cr_ATT
```

new/usr/src/pkg/manifests/network-ftp.mf

2

```
55 license cr_Sun license=cr_Sun
56 license lic_CDDL license=lic_CDDL
57 license usr/src/cmd/cmd-inet/usr.bin/ftp/THIRDPARTYLICENSE \
58     license=usr/src/cmd/cmd-inet/usr.bin/ftp/THIRDPARTYLICENSE
```

new/usr/src/pkg/manifests/service-network-ftp.mf

1

1112 Fri Aug 15 19:22:34 2014
new/usr/src/pkg/manifests/service-network-ftp.mf
5069 Removal of wu-ftp
Reviewed by: Josef 'Jeff' Sipek <josef.sipek@nexenta.com>
Reviewed by: Garrett D'Amore <garrett@damore.org>
Reviewed by: Milan Jurik <milan.jurik@xylab.cz>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Reviewed by: Gary Mills <gary.mills@fastmail.fm>
Reviewed by: Toomas Soome <tsoome@me.com>
Reviewed by: Adam Stevko <adam.stevko@gmail.com>

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21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
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25 #
26
27 set name=pkg.fmri value=pkg:/service/network/ftp@$(PKGVERS)
28 set name=pkg.obsolete value=true
29 set name=org.opensolaris.noincorp value=true
30 set name=pkg.description value="FTP Server and Utilities"
31 set name=pkg.summary value="FTP Server"
32 set name=info.classification value=org.opensolaris.category.2008:System/Core
33 set name=variant.arch value=$(ARCH)
34
35 dir path=etc group=sys
36 dir path=etc/ftpd group=sys
37 dir path=lib
38 dir path=lib/svc
39 dir path=lib/svc/manifest group=sys
40 dir path=lib/svc/manifest/network group=sys
41 dir path=lib/svc/method
42 dir path=usr group=sys
43 dir path=usr/sbin
44 dir path=usr/share/man
45 dir path=usr/share/man/man1
46 dir path=usr/share/man/man1m
47 dir path=usr/share/man/man1m
48 dir path=usr/share/man/man4
49 file path=etc/ftpd/ftpaccess group=sys \
50     original_name=SUNWftp:etc/ftpd/ftpaccess preserve=true
51 file path=etc/ftpd/ftpconversions group=sys \
52     original_name=SUNWftp:etc/ftpd/ftpconversions preserve=true
53 file path=etc/ftpd/ftpgroups group=sys \
54     original_name=SUNWftp:etc/ftpd/ftpgroups preserve=true
55 file path=etc/ftpd/ftphosts group=sys original_name=SUNWftp:etc/ftpd/ftphosts \
56     preserve=true
```

new/usr/src/pkg/manifests/service-network-ftp.mf

2

```
53 file path=etc/ftpd/ftpservers group=sys \
54     original_name=SUNWftp:etc/ftpd/ftpservers preserve=true
55 file path=lib/svc/manifest/network/ftp.xml group=sys mode=0444
56 file path=lib/svc/method/svc-ftp mode=0555
57 file path=usr/sbin/ftppaddhost mode=0555
58 file path=usr/sbin/ftpconfig mode=0555
59 file path=usr/sbin/ftpcount mode=0555
60 file path=usr/sbin/ftpprestart mode=0555
61 file path=usr/sbin/ftpshut mode=0555
62 file path=usr/sbin/in.ftpd mode=0555
63 file path=usr/sbin/privatepw mode=0555
64 file path=usr/share/man/man1/ftpcount.1
65 file path=usr/share/man/man1/ftpwho.1
66 file path=usr/share/man/man1m/ftppaddhost.1m
67 file path=usr/share/man/man1m/ftpconfig.1m
68 file path=usr/share/man/man1m/ftpprestart.1m
69 file path=usr/share/man/man1m/ftpshut.1m
70 file path=usr/share/man/man1m/in.ftpd.1m
71 file path=usr/share/man/man4/ftp.4
72 file path=usr/share/man/man4/ftpaccess.4
73 file path=usr/share/man/man4/ftpconversions.4
74 file path=usr/share/man/man4/ftpgroups.4
75 file path=usr/share/man/man4/ftphosts.4
76 file path=usr/share/man/man4/ftpservers.4
77 file path=usr/share/man/man4/ftpusers.4
78 file path=usr/share/man/man4/xferlog.4
79 hardlink path=usr/sbin/ftpwho target=../usr/sbin/ftpcount
80 legacy pkg=SUNWftp desc="FTP Server Configuration Files" \
81     name="FTP Server, (Root)"
82 legacy pkg=SUNWftpu desc="FTP Server and Utilities" name="FTP Server, (Usr)"
83 license cr_Sun license=cr_Sun
84 license usr/src/cmd/cmd-inet/usr/sbin/in.ftpd/LICENSE \
85     license=usr/src/cmd/cmd-inet/usr/sbin/in.ftpd/LICENSE
86 link path=usr/share/man/man1m/ftpd.1m target=in.ftpd.1m
```