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*********************************************************
    34613 Mon Jun  2 17:29:28 2014
new/usr/src/Makefile.master
4863 illumos-gate can't be built with fresh perl versions
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*********************************************************
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  27 #
  28 # Makefile.master, global definitions for system source
  29 #
  30 ROOT=           /proto

  32 #
  33 # Adjunct root, containing an additional proto area to be used for headers
  34 # and libraries.
  35 #
  36 ADJUNCT_PROTO=

  38 #
  39 # Adjunct for building things that run on the build machine.
  40 #
  41 NATIVE_ADJUNCT= /usr

  43 #
  44 # RELEASE_BUILD should be cleared for final release builds.
  45 # NOT_RELEASE_BUILD is exactly what the name implies.
  46 #
  47 # __GNUC toggles the building of ON components using gcc and related tools.
  48 # Normally set to '#', set it to '' to do gcc build.
  49 #
  50 # The declaration POUND_SIGN is always '#'. This is needed to get around the
  51 # make feature that '#' is always a comment delimiter, even when escaped or
  52 # quoted. We use this macro expansion method to get POUND_SIGN rather than
  53 # always breaking out a shell because the general case can cause a noticable
  54 # slowdown in build times when so many Makefiles include Makefile.master.
  55 #
  56 # While the majority of users are expected to override the setting below
  57 # with an env file (via nightly or bldenv), if you aren't building that way
  58 # (ie, you're using "ws" or some other bootstrapping method) then you need
  59 # this definition in order to avoid the subshell invocation mentioned above.
```

```
  60 #

  62 PRE_POUND=                              pre\#
  63 POUND_SIGN=                             $(PRE_POUND:pre\%=%)

  65 NOT_RELEASE_BUILD=
  66 RELEASE_BUILD=                          $(POUND_SIGN)
  67 $(RELEASE_BUILD)NOT_RELEASE_BUILD=      $(POUND_SIGN)
  68 PATCH_BUILD=                            $(POUND_SIGN)

  70 # SPARC_BLD is '#' for an Intel build.
  71 # INTEL_BLD is '#' for a Sparc build.
  72 SPARC_BLD_1=    $(MACH:i386=$(POUND_SIGN))
  73 SPARC_BLD=      $(SPARC_BLD_1:sparc=)
  74 INTEL_BLD_1=    $(MACH:sparc=$(POUND_SIGN))
  75 INTEL_BLD=      $(INTEL_BLD_1:i386=)

  77 # The variables below control the compilers used during the build.
  78 # There are a number of permutations.
  79 #
  80 # __GNUC and __SUNC control (and indicate) the primary compiler.  Whichever
  81 # one is not POUND_SIGN is the primary, with the other as the shadow.  They
  82 # may also be used to control entirely compiler-specific Makefile assignments.
  83 # __GNUC and GCC are the default.
  84 #
  85 # __GNUC64 indicates that the 64bit build should use the GNU C compiler.
  86 # There is no Sun C analogue.
  87 #
  88 # The following version-specific options are operative regardless of which
  89 # compiler is primary, and control the versions of the given compilers to be
  90 # used.  They also allow compiler-version specific Makefile fragments.
  91 #

  93 __SUNC=                 $(POUND_SIGN)
  94 $(__SUNC)__GNUC=        $(POUND_SIGN)
  95 __GNUC64=               $(__GNUC)

  97 # CLOSED is the root of the tree that contains source which isn't released
  98 # as open source
  99 CLOSED=         $(SRC)/../closed

 101 # BUILD_TOOLS is the root of all tools including compilers.
 102 # ONBLD_TOOLS is the root of all the tools that are part of SUNWonbld.

 104 BUILD_TOOLS=            /ws/onnv-tools
 105 ONBLD_TOOLS=            $(BUILD_TOOLS)/onbld

 107 JAVA_ROOT=      /usr/java

 109 SFW_ROOT=       /usr/sfw
 110 SFWINCDIR=      $(SFW_ROOT)/include
 111 SFWLIBDIR=      $(SFW_ROOT)/lib
 112 SFWLIBDIR64=    $(SFW_ROOT)/lib/$(MACH64)

 114 GCC_ROOT=       /opt/gcc/4.4.4
 115 GCCLIBDIR=      $(GCC_ROOT)/lib
 116 GCCLIBDIR64=    $(GCC_ROOT)/lib/$(MACH64)

 118 DOCBOOK_XSL_ROOT=       /usr/share/sgml/docbook/xsl-stylesheets

 120 RPCGEN=         /usr/bin/rpcgen
 121 STABS=          $(ONBLD_TOOLS)/bin/$(MACH)/stabs
 122 ELFEXTRACT=     $(ONBLD_TOOLS)/bin/$(MACH)/elfextract
 123 MBH_PATCH=      $(ONBLD_TOOLS)/bin/$(MACH)/mbh_patch
 124 ECHO=           echo
 125 INS=            install
```

```
 126 TRUE=              true
 127 SYMLINK=           /usr/bin/ln -s
 128 LN=                /usr/bin/ln
 129 CHMOD=             /usr/bin/chmod
 130 MV=                /usr/bin/mv -f
 131 RM=                /usr/bin/rm -f
 132 CUT=               /usr/bin/cut
 133 NM=                /usr/ccs/bin/nm
 134 DIFF=              /usr/bin/diff
 135 GREP=              /usr/bin/grep
 136 EGREP=             /usr/bin/egrep
 137 ELFWRAP=           /usr/bin/elfwrap
 138 KSH93=             /usr/bin/ksh93
 139 SED=               /usr/bin/sed
 140 NAWK=              /usr/bin/nawk
 141 CP=                /usr/bin/cp -f
 142 MCS=               /usr/ccs/bin/mcs
 143 CAT=               /usr/bin/cat
 144 ELFDUMP=           /usr/ccs/bin/elfdump
 145 M4=                /usr/ccs/bin/m4
 146 STRIP=             /usr/ccs/bin/strip
 147 LEX=               /usr/ccs/bin/lex
 148 FLEX=              $(SFW_ROOT)/bin/flex
 149 YACC=              /usr/ccs/bin/yacc
 150 CPP=               /usr/lib/cpp
 151 JAVAC=             $(JAVA_ROOT)/bin/javac
 152 JAVAH=             $(JAVA_ROOT)/bin/javah
 153 JAVADOC=           $(JAVA_ROOT)/bin/javadoc
 154 RMIC=              $(JAVA_ROOT)/bin/rmic
 155 JAR=               $(JAVA_ROOT)/bin/jar
 156 CTFCONVERT=        $(ONBLD_TOOLS)/bin/$(MACH)/ctfconvert
 157 CTFMERGE=          $(ONBLD_TOOLS)/bin/$(MACH)/ctfmerge
 158 CTFSTABS=          $(ONBLD_TOOLS)/bin/$(MACH)/ctfstabs
 159 CTFSTRIP=          $(ONBLD_TOOLS)/bin/$(MACH)/ctfstrip
 160 NDRGEN=            $(ONBLD_TOOLS)/bin/$(MACH)/ndrgen
 161 GENOFFSETS=        $(ONBLD_TOOLS)/bin/genoffsets
 162 CTFCVTPTBL=        $(ONBLD_TOOLS)/bin/ctfcvtptbl
 163 CTFFINDMOD=        $(ONBLD_TOOLS)/bin/ctffindmod
 164 XREF=              $(ONBLD_TOOLS)/bin/xref
 165 FIND=              /usr/bin/find
 166 PERL=              /usr/bin/perl
 167 PERL_VERSION=      5.10.0
 168 #endif /* ! codereview */
 169 PYTHON_26=         /usr/bin/python2.6
 170 PYTHON=            $(PYTHON_26)
 171 SORT=              /usr/bin/sort
 172 TOUCH=             /usr/bin/touch
 173 WC=                /usr/bin/wc
 174 XARGS=             /usr/bin/xargs
 175 ELFEDIT=           /usr/bin/elfedit
 176 ELFSIGN=           /usr/bin/elfsign
 177 DTRACE=            /usr/sbin/dtrace -xnolibs
 178 UNIQ=              /usr/bin/uniq
 179 TAR=               /usr/bin/tar
 180 ASTBINDIR=         /usr/ast/bin
 181 MSGCC=             $(ASTBINDIR)/msgcc

 183 FILEMODE=          644
 184 DIRMODE=           755

 186 #
 187 # The version of the patch makeup table optimized for build-time use.  Used
 188 # during patch builds only.
 189 $(PATCH_BUILD)PMTMO_FILE=$(SRC)/patch_makeup_table.mo

 191 # Declare that nothing should be built in parallel.
```

```
 192 # Individual Makefiles can use the .PARALLEL target to declare otherwise.
 193 .NO_PARALLEL:

 195 # For stylistic checks
 196 #
 197 # Note that the X and C checks are not used at this time and may need
 198 # modification when they are actually used.
 199 #
 200 CSTYLE=            $(ONBLD_TOOLS)/bin/cstyle
 201 CSTYLE_TAIL=
 202 HDRCHK=            $(ONBLD_TOOLS)/bin/hdrchk
 203 HDRCHK_TAIL=
 204 JSTYLE=            $(ONBLD_TOOLS)/bin/jstyle

 206 DOT_H_CHECK=       \
 207         @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL); \
 208         $(HDRCHK) $< $(HDRCHK_TAIL)

 210 DOT_X_CHECK=       \
 211         @$(ECHO) "checking $<"; $(RPCGEN) -C -h $< | $(CSTYLE) $(CSTYLE_TAIL); \
 212         $(RPCGEN) -C -h $< | $(HDRCHK) $< $(HDRCHK_TAIL)

 214 DOT_C_CHECK=       \
 215         @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL)

 217 MANIFEST_CHECK=    \
 218         @$(ECHO) "checking $<"; \
 219         SVCCFG_DTD=$(SRC)/cmd/svc/dtd/service_bundle.dtd.1 \
 220         SVCCFG_REPOSITORY=$(SRC)/cmd/svc/seed/global.db \
 221         SVCCFG_CONFIGD_PATH=$(SRC)/cmd/svc/configd/svc.configd-native \
 222         $(SRC)/cmd/svc/svccfg/svccfg-native validate $<

 224 INS.file=          $(RM) $@; $(INS) -s -m $(FILEMODE) -f $(@D) $<
 225 INS.dir=           $(INS) -s -d -m $(DIRMODE) $@
 226 # installs and renames at once
 227 #
 228 INS.rename=        $(INS.file); $(MV) $(@D)/$(<F) $@

 230 # install a link
 231 INSLINKTARGET= $<
 232 INS.link=          $(RM) $@; $(LN) $(INSLINKTARGET) $@
 233 INS.symlink=       $(RM) $@; $(SYMLINK) $(INSLINKTARGET) $@

 235 #
 236 # Python bakes the mtime of the .py file into the compiled .pyc and
 237 # rebuilds if the baked-in mtime != the mtime of the source file
 238 # (rather than only if it's less than), thus when installing python
 239 # files we must make certain to not adjust the mtime of the source
 240 # (.py) file.
 241 #
 242 INS.pyfile=        $(INS.file); $(TOUCH) -r $< $@

 244 # MACH must be set in the shell environment per uname -p on the build host
 245 # More specific architecture variables should be set in lower makefiles.
 246 #
 247 # MACH64 is derived from MACH, and BUILD64 is set to '#' for
 248 # architectures on which we do not build 64-bit versions.
 249 # (There are no such architectures at the moment.)
 250 #
 251 # Set BUILD64=# in the environment to disable 64-bit amd64
 252 # builds on i386 machines.

 254 MACH64_1=          $(MACH:sparc=sparcv9)
 255 MACH64=            $(MACH64_1:i386=amd64)

 257 MACH32_1=          $(MACH:sparc=sparcv7)
```

```
 258 MACH32=          $(MACH32_1:i386=i86)

 260 sparc_BUILD64=
 261 i386_BUILD64=
 262 BUILD64=         $($(MACH)_BUILD64)

 264 #
 265 # C compiler mode. Future compilers may change the default on us,
 266 # so force extended ANSI mode globally. Lower level makefiles can
 267 # override this by setting CCMODE.
 268 #
 269 CCMODE=                  -Xa
 270 CCMODE64=                -Xa

 272 #
 273 # C compiler verbose mode. This is so we can enable it globally,
 274 # but turn it off in the lower level makefiles of things we cannot
 275 # (or aren't going to) fix.
 276 #
 277 CCVERBOSE=               -v

 279 # set this to the secret flag "-Wc,-Qiselect-v9abiwarn=1" to get warnings
 280 # from the compiler about places the -xarch=v9 may differ from -xarch=v9c.
 281 V9ABIWARN=

 283 # set this to the secret flag "-Wc,-Qiselect-regsym=0" to disable register
 284 # symbols (used to detect conflicts between objects that use global registers)
 285 # we disable this now for safety, and because genunix doesn't link with
 286 # this feature (the v9 default) enabled.
 287 #
 288 # REGSYM is separate since the C++ driver syntax is different.
 289 CCREGSYM=                -Wc,-Qiselect-regsym=0
 290 CCCREGSYM=               -Qoption cg -Qiselect-regsym=0

 292 # Prevent the removal of static symbols by the SPARC code generator (cg).
 293 # The x86 code generator (ube) does not remove such symbols and as such
 294 # using this workaround is not applicable for x86.
 295 #
 296 CCSTATICSYM=             -Wc,-Qassembler-ounrefsym=0
 297 #
 298 # generate 32-bit addresses in the v9 kernel. Saves memory.
 299 CCABS32=                 -Wc,-xcode=abs32
 300 #
 301 # generate v9 code which tolerates callers using the v7 ABI, for the sake of
 302 # system calls.
 303 CC32BITCALLERS=          -_gcc=-massume-32bit-callers

 305 # GCC, especially, is increasingly beginning to auto-inline functions and
 306 # sadly does so separately not under the general -fno-inline-functions
 307 # Additionally, we wish to prevent optimisations which cause GCC to clone
 308 # functions -- in particular, these may cause unhelpful symbols to be
 309 # emitted instead of function names
 310 CCNOAUTOINLINE= -_gcc=-fno-inline-small-functions \
 311         -_gcc=-fno-inline-functions-called-once \
 312         -_gcc=-fno-ipa-cp

 314 # One optimization the compiler might perform is to turn this:
 315 #       #pragma weak foo
 316 #       extern int foo;
 317 #       if (&foo)
 318 #               foo = 5;
 319 # into
 320 #       foo = 5;
 321 # Since we do some of this (foo might be referenced in common kernel code
 322 # but provided only for some cpu modules or platforms), we disable this
 323 # optimization.
```

```
 324 #
 325 sparc_CCUNBOUND = -Wd,-xsafe=unboundsym
 326 i386_CCUNBOUND  =
 327 CCUNBOUND       = $($(MACH)_CCUNBOUND)

 329 #
 330 # compiler '-xarch' flag. This is here to centralize it and make it
 331 # overridable for testing.
 332 sparc_XARCH=    -m32
 333 sparcv9_XARCH=  -m64
 334 i386_XARCH=
 335 amd64_XARCH=    -m64 -Ui386 -U__i386

 337 # assembler '-xarch' flag.  Different from compiler '-xarch' flag.
 338 sparc_AS_XARCH=         -xarch=v8plus
 339 sparcv9_AS_XARCH=       -xarch=v9
 340 i386_AS_XARCH=
 341 amd64_AS_XARCH=         -xarch=amd64 -P -Ui386 -U__i386

 343 #
 344 # These flags define what we need to be 'standalone' i.e. -not- part
 345 # of the rather more cosy userland environment.  This basically means
 346 # the kernel.
 347 #
 348 # XX64  future versions of gcc will make -mcmodel=kernel imply -mno-red-zone
 349 #
 350 sparc_STAND_FLAGS=      -_gcc=-ffreestanding
 351 sparcv9_STAND_FLAGS=    -_gcc=-ffreestanding
 352 # Disabling MMX also disables 3DNow, disabling SSE also disables all later
 353 # additions to SSE (SSE2, AVX ,etc.)
 354 NO_SIMD=                -_gcc=-mno-mmx -_gcc=-mno-sse
 355 i386_STAND_FLAGS=       -_gcc=-ffreestanding $(NO_SIMD)
 356 amd64_STAND_FLAGS=      -xmodel=kernel $(NO_SIMD)

 358 SAVEARGS=               -Wu,-save_args
 359 amd64_STAND_FLAGS       += $(SAVEARGS)

 361 STAND_FLAGS_32 = $($(MACH)_STAND_FLAGS)
 362 STAND_FLAGS_64 = $($(MACH64)_STAND_FLAGS)

 364 #
 365 # disable the incremental linker
 366 ILDOFF=                 -xildoff
 367 #
 368 XDEPEND=                -xdepend
 369 XFFLAG=                 -xF=%all
 370 XESS=                   -xs
 371 XSTRCONST=              -xstrconst

 373 #
 374 # turn warnings into errors (C)
 375 CERRWARN = -errtags=yes -errwarn=%all
 376 CERRWARN += -erroff=E_EMPTY_TRANSLATION_UNIT
 377 CERRWARN += -erroff=E_STATEMENT_NOT_REACHED

 379 CERRWARN += -_gcc=-Wno-missing-braces
 380 CERRWARN += -_gcc=-Wno-sign-compare
 381 CERRWARN += -_gcc=-Wno-unknown-pragmas
 382 CERRWARN += -_gcc=-Wno-unused-parameter
 383 CERRWARN += -_gcc=-Wno-missing-field-initializers

 385 # Unfortunately, this option can misfire very easily and unfixably.
 386 CERRWARN +=     -_gcc=-Wno-array-bounds

 388 # DEBUG v. -nd make for frequent unused variables, empty conditions, etc. in
 389 # -nd builds
```

```
 390 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-unused
 391 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-empty-body

 393 #
 394 # turn warnings into errors (C++)
 395 CCERRWARN=              -xwe

 397 # C99 mode
 398 C99_ENABLE=     -xc99=%all
 399 C99_DISABLE=    -xc99=%none
 400 C99MODE=          $(C99_DISABLE)
 401 C99LMODE=         $(C99MODE:-xc99%=-Xc99%)

 403 # In most places, assignments to these macros should be appended with +=
 404 # (CPPFLAGS.master allows values to be prepended to CPPFLAGS).
 405 sparc_CFLAGS=   $(sparc_XARCH) $(CCSTATICSYM)
 406 sparcv9_CFLAGS= $(sparcv9_XARCH) -dalign $(CCVERBOSE) $(V9ABIWARN) $(CCREGSYM) \
 407                 $(CCSTATICSYM)
 408 i386_CFLAGS=    $(i386_XARCH)
 409 amd64_CFLAGS=   $(amd64_XARCH)

 411 sparc_ASFLAGS=  $(sparc_AS_XARCH)
 412 sparcv9_ASFLAGS=$(sparcv9_AS_XARCH)
 413 i386_ASFLAGS=   $(i386_AS_XARCH)
 414 amd64_ASFLAGS=  $(amd64_AS_XARCH)

 416 #
 417 sparc_COPTFLAG=         -xO3
 418 sparcv9_COPTFLAG=       -xO3
 419 i386_COPTFLAG=          -O
 420 amd64_COPTFLAG=         -xO3

 422 COPTFLAG= $($(MACH)_COPTFLAG)
 423 COPTFLAG64= $($(MACH64)_COPTFLAG)

 425 # When -g is used, the compiler globalizes static objects
 426 # (gives them a unique prefix). Disable that.
 427 CNOGLOBAL= -W0,-noglobal

 429 # Direct the Sun Studio compiler to use a static globalization prefix based on t
 430 # name of the module rather than something unique. Otherwise, objects
 431 # will not build deterministically, as subsequent compilations of identical
 432 # source will yeild objects that always look different.
 433 #
 434 # In the same spirit, this will also remove the date from the N_OPT stab.
 435 CGLOBALSTATIC= -W0,-xglobalstatic

 437 # Sometimes we want all symbols and types in debugging information even
 438 # if they aren't used.
 439 CALLSYMS=       -W0,-xdbggen=no%usedonly

 441 #
 442 # Default debug format for Sun Studio 11 is dwarf, so force it to
 443 # generate stabs.
 444 #
 445 DEBUGFORMAT=    -xdebugformat=stabs

 447 #
 448 # Flags used to build in debug mode for ctf generation.  Bugs in the Devpro
 449 # compilers currently prevent us from building with cc-emitted DWARF.
 450 #
 451 CTF_FLAGS_sparc = -g -Wc,-Qiselect-T1 $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)
 452 CTF_FLAGS_i386  = -g $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)

 454 CTF_FLAGS_sparcv9       = $(CTF_FLAGS_sparc)
 455 CTF_FLAGS_amd64         = $(CTF_FLAGS_i386)
```

```
 457 # Sun Studio produces broken userland code when saving arguments.
 458 $(__GNUC)CTF_FLAGS_amd64 += $(SAVEARGS)

 460 CTF_FLAGS_32    = $(CTF_FLAGS_$(MACH)) $(DEBUGFORMAT)
 461 CTF_FLAGS_64    = $(CTF_FLAGS_$(MACH64)) $(DEBUGFORMAT)
 462 CTF_FLAGS       = $(CTF_FLAGS_32)

 464 #
 465 # Flags used with genoffsets
 466 #
 467 GOFLAGS = -_noecho \
 468         $(CALLSYMS) \
 469         $(CDWARFSTR)

 471 OFFSETS_CREATE = $(GENOFFSETS) -s $(CTFSTABS) -r $(CTFCONVERT) \
 472         $(CC) $(GOFLAGS) $(CFLAGS) $(CPPFLAGS)

 474 OFFSETS_CREATE64 = $(GENOFFSETS) -s $(CTFSTABS) -r $(CTFCONVERT) \
 475         $(CC) $(GOFLAGS) $(CFLAGS64) $(CPPFLAGS)

 477 #
 478 # tradeoff time for space (smaller is better)
 479 #
 480 sparc_SPACEFLAG         = -xspace -W0,-Lt
 481 sparcv9_SPACEFLAG       = -xspace -W0,-Lt
 482 i386_SPACEFLAG          = -xspace
 483 amd64_SPACEFLAG         =

 485 SPACEFLAG               = $($(MACH)_SPACEFLAG)
 486 SPACEFLAG64             = $($(MACH64)_SPACEFLAG)

 488 #
 489 # The Sun Studio 11 compiler has changed the behaviour of integer
 490 # wrap arounds and so a flag is needed to use the legacy behaviour
 491 # (without this flag panics/hangs could be exposed within the source).
 492 #
 493 sparc_IROPTFLAG         = -W2,-xwrap_int
 494 sparcv9_IROPTFLAG       = -W2,-xwrap_int
 495 i386_IROPTFLAG          =
 496 amd64_IROPTFLAG         =

 498 IROPTFLAG               = $($(MACH)_IROPTFLAG)
 499 IROPTFLAG64             = $($(MACH64)_IROPTFLAG)

 501 sparc_XREGSFLAG         = -xregs=no%appl
 502 sparcv9_XREGSFLAG       = -xregs=no%appl
 503 i386_XREGSFLAG          =
 504 amd64_XREGSFLAG         =

 506 XREGSFLAG               = $($(MACH)_XREGSFLAG)
 507 XREGSFLAG64             = $($(MACH64)_XREGSFLAG)

 509 # dmake SOURCEDEBUG=yes ... enables source-level debugging information, and
 510 # avoids stripping it.
 511 SOURCEDEBUG     = $(POUND_SIGN)
 512 SRCDBGBLD       = $(SOURCEDEBUG:yes=)

 514 #
 515 # These variables are intended ONLY for use by developers to safely pass extra
 516 # flags to the compilers without unintentionally overriding Makefile-set
 517 # flags.  They should NEVER be set to any value in a Makefile.
 518 #
 519 # They come last in the associated FLAGS variable such that they can
 520 # explicitly override things if necessary, there are gaps in this, but it's
 521 # the best we can manage.
```

```
 522 #
 523 CUSERFLAGS                 =
 524 CUSERFLAGS64               = $(CUSERFLAGS)
 525 CCUSERFLAGS                =
 526 CCUSERFLAGS64              = $(CCUSERFLAGS)

 528 CSOURCEDEBUGFLAGS          =
 529 CCSOURCEDEBUGFLAGS         =
 530 $(SRCDBGBLD)CSOURCEDEBUGFLAGS   = -g -xs
 531 $(SRCDBGBLD)CCSOURCEDEBUGFLAGS  = -g -xs

 533 CFLAGS=        $(COPTFLAG) $($(MACH)_CFLAGS) $(SPACEFLAG) $(CCMODE) \
 534                $(ILDOFF) $(CERRWARN) $(C99MODE) $(CCUNBOUND) $(IROPTFLAG) \
 535                $(CGLOBALSTATIC) $(CCNOAUTOINLINE) $(CSOURCEDEBUGFLAGS) \
 536                $(CUSERFLAGS)
 537 CFLAGS64=      $(COPTFLAG64) $($(MACH64)_CFLAGS) $(SPACEFLAG64) $(CCMODE64) \
 538                $(ILDOFF) $(CERRWARN) $(C99MODE) $(CCUNBOUND) $(IROPTFLAG64) \
 539                $(CGLOBALSTATIC) $(CCNOAUTOINLINE) $(CSOURCEDEBUGFLAGS) \
 540                $(CUSERFLAGS64)
 541 #
 542 # Flags that are used to build parts of the code that are subsequently
 543 # run on the build machine (also known as the NATIVE_BUILD).
 544 #
 545 NATIVE_CFLAGS= $(COPTFLAG) $($(NATIVE_MACH)_CFLAGS) $(CCMODE) \
 546                $(ILDOFF) $(CERRWARN) $(C99MODE) $($(NATIVE_MACH)_CCUNBOUND) \
 547                $(IROPTFLAG) $(CGLOBALSTATIC) $(CCNOAUTOINLINE) \
 548                $(CSOURCEDEBUGFLAGS) $(CUSERFLAGS)

 550 DTEXTDOM=-DTEXT_DOMAIN=\"$(TEXT_DOMAIN)\"       # For messaging.
 551 DTS_ERRNO=-D_TS_ERRNO
 552 CPPFLAGS.master=$(DTEXTDOM) $(DTS_ERRNO) \
 553         $(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) $(ENVCPPFLAGS4) \
 554         $(ADJUNCT_PROTO:%=-I%/usr/include)
 555 CPPFLAGS.native=$(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) \
 556                $(ENVCPPFLAGS4) -I$(NATIVE_ADJUNCT)/include
 557 CPPFLAGS=      $(CPPFLAGS.master)
 558 AS_CPPFLAGS=   $(CPPFLAGS.master)
 559 JAVAFLAGS=     -deprecation

 561 #
 562 # For source message catalogue
 563 #
 564 .SUFFIXES: $(SUFFIXES) .i .po
 565 MSGROOT= $(ROOT)/catalog
 566 MSGDOMAIN= $(MSGROOT)/$(TEXT_DOMAIN)
 567 MSGDOMAINPOFILE = $(MSGDOMAIN)/$(POFILE)
 568 DCMSGDOMAIN= $(MSGROOT)/LC_TIME/$(TEXT_DOMAIN)
 569 DCMSGDOMAINPOFILE = $(DCMSGDOMAIN)/$(DCFILE:.dc=.po)

 571 CLOBBERFILES += $(POFILE) $(POFILES)
 572 COMPILE.cpp= $(CC) -E -C $(CFLAGS) $(CPPFLAGS)
 573 XGETTEXT= /usr/bin/xgettext
 574 XGETFLAGS= -c TRANSLATION_NOTE
 575 GNUXGETTEXT= /usr/gnu/bin/xgettext
 576 GNUXGETFLAGS= --add-comments=TRANSLATION_NOTE --keyword=_ \
 577         --strict --no-location --omit-header
 578 BUILD.po= $(XGETTEXT) $(XGETFLAGS) -d $(<F) $<.i ;\
 579         $(RM)   $@ ;\
 580         $(SED) "/^domain/d" < $(<F).po > $@ ;\
 581         $(RM) $(<F).po $<.i

 583 #
 584 # This is overwritten by local Makefile when PROG is a list.
 585 #
 586 POFILE= $(PROG).po
```

```
 588 sparc_CCFLAGS=         -cg92 -compat=4 \
 589                       -Qoption ccfe -messages=no%anachronism \
 590                       $(CCERRWARN)
 591 sparcv9_CCFLAGS=       $(sparcv9_XARCH) -dalign -compat=5 \
 592                       -Qoption ccfe -messages=no%anachronism \
 593                       -Qoption ccfe -features=no%conststrings \
 594                       $(CCCREGSYM) \
 595                       $(CCERRWARN)
 596 i386_CCFLAGS=         -compat=4 \
 597                       -Qoption ccfe -messages=no%anachronism \
 598                       -Qoption ccfe -features=no%conststrings \
 599                       $(CCERRWARN)
 600 amd64_CCFLAGS=        $(amd64_XARCH) -compat=5 \
 601                       -Qoption ccfe -messages=no%anachronism \
 602                       -Qoption ccfe -features=no%conststrings \
 603                       $(CCERRWARN)

 605 sparc_CCOPTFLAG=      -O
 606 sparcv9_CCOPTFLAG=    -O
 607 i386_CCOPTFLAG=       -O
 608 amd64_CCOPTFLAG=      -O

 610 CCOPTFLAG=     $($(MACH)_CCOPTFLAG)
 611 CCOPTFLAG64=   $($(MACH64)_CCOPTFLAG)
 612 CCFLAGS=       $(CCOPTFLAG) $($(MACH)_CCFLAGS) $(CCSOURCEDEBUGFLAGS) \
 613                $(CCUSERFLAGS)
 614 CCFLAGS64=     $(CCOPTFLAG64) $($(MACH64)_CCFLAGS) $(CCSOURCEDEBUGFLAGS) \
 615                $(CCUSERFLAGS64)

 617 #
 618 #
 619 #
 620 ELFWRAP_FLAGS    =
 621 ELFWRAP_FLAGS64 =       -64

 623 #
 624 # Various mapfiles that are used throughout the build, and delivered to
 625 # /usr/lib/ld.
 626 #
 627 MAPFILE.NED_i386 =     $(SRC)/common/mapfiles/common/map.noexdata
 628 MAPFILE.NED_sparc =
 629 MAPFILE.NED =          $(MAPFILE.NED_$(MACH))
 630 MAPFILE.PGA =          $(SRC)/common/mapfiles/common/map.pagealign
 631 MAPFILE.NES =          $(SRC)/common/mapfiles/common/map.noexstk
 632 MAPFILE.FLT =          $(SRC)/common/mapfiles/common/map.filter
 633 MAPFILE.LEX =          $(SRC)/common/mapfiles/common/map.lex.yy

 635 #
 636 # Generated mapfiles that are compiler specific, and used throughout the
 637 # build.  These mapfiles are not delivered in /usr/lib/ld.
 638 #
 639 MAPFILE.NGB_sparc=     $(SRC)/common/mapfiles/gen/sparc_cc_map.noexeglobs
 640 $(__GNUC64)MAPFILE.NGB_sparc= \
 641                       $(SRC)/common/mapfiles/gen/sparc_gcc_map.noexeglobs
 642 MAPFILE.NGB_sparcv9=   $(SRC)/common/mapfiles/gen/sparcv9_cc_map.noexeglobs
 643 $(__GNUC64)MAPFILE.NGB_sparcv9= \
 644                       $(SRC)/common/mapfiles/gen/sparcv9_gcc_map.noexeglobs
 645 MAPFILE.NGB_i386=     $(SRC)/common/mapfiles/gen/i386_cc_map.noexeglobs
 646 $(__GNUC64)MAPFILE.NGB_i386= \
 647                       $(SRC)/common/mapfiles/gen/i386_gcc_map.noexeglobs
 648 MAPFILE.NGB_amd64=    $(SRC)/common/mapfiles/gen/amd64_cc_map.noexeglobs
 649 $(__GNUC64)MAPFILE.NGB_amd64= \
 650                       $(SRC)/common/mapfiles/gen/amd64_gcc_map.noexeglobs
 651 MAPFILE.NGB =         $(MAPFILE.NGB_$(MACH))

 653 #
```

```
654 # A generic interface mapfile name, used by various dynamic objects to define
655 # the interfaces and interposers the object must export.
656 #
657 MAPFILE.INT =            mapfile-intf

659 #
660 # LDLIBS32 can be set in the environment to override the following assignment.
661 # LDLIBS64 can be set to override the assignment made in Makefile.master.64.
662 # These environment settings make sure that no libraries are searched outside
663 # of the local workspace proto area:
664 #        LDLIBS32=-YP,$ROOT/lib:$ROOT/usr/lib
665 #        LDLIBS64=-YP,$ROOT/lib/$MACH64:$ROOT/usr/lib/$MACH64
666 #
667 LDLIBS32 =       $(ENVLDLIBS1) $(ENVLDLIBS2) $(ENVLDLIBS3)
668 LDLIBS32 +=      $(ADJUNCT_PROTO:%=-L%/usr/lib -L%/lib)
669 LDLIBS.cmd =     $(LDLIBS32)
670 LDLIBS.lib =     $(LDLIBS32)
671 #
672 # Define compilation macros.
673 #
674 COMPILE.c=       $(CC) $(CFLAGS) $(CPPFLAGS) -c
675 COMPILE64.c=     $(CC) $(CFLAGS64) $(CPPFLAGS) -c
676 COMPILE.cc=      $(CCC) $(CCFLAGS) $(CPPFLAGS) -c
677 COMPILE64.cc=    $(CCC) $(CCFLAGS64) $(CPPFLAGS) -c
678 COMPILE.s=       $(AS) $(ASFLAGS) $(AS_CPPFLAGS)
679 COMPILE64.s=     $(AS) $(ASFLAGS) $($(MACH64)_AS_XARCH) $(AS_CPPFLAGS)
680 COMPILE.d=       $(DTRACE) -G -32
681 COMPILE64.d=     $(DTRACE) -G -64
682 COMPILE.b=       $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))
683 COMPILE64.b=     $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))

685 CLASSPATH=       .
686 COMPILE.java=    $(JAVAC) $(JAVAFLAGS) -classpath $(CLASSPATH)

688 #
689 # Link time macros
690 #
691 CCNEEDED                 = -lC
692 CCEXTNEEDED              = -lCrun -lCstd
693 $(__GNUC)CCNEEDED        = -L$(GCCLIBDIR) -lstdc++ -lgcc_s
694 $(__GNUC)CCEXTNEEDED     = $(CCNEEDED)

696 LINK.c=          $(CC) $(CFLAGS) $(CPPFLAGS) $(LDFLAGS)
697 LINK64.c=        $(CC) $(CFLAGS64) $(CPPFLAGS) $(LDFLAGS)
698 NORUNPATH=       -norunpath -nolib
699 LINK.cc=         $(CCC) $(CCFLAGS) $(CPPFLAGS) $(NORUNPATH) \
700                  $(LDFLAGS) $(CCNEEDED)
701 LINK64.cc=       $(CCC) $(CCFLAGS64) $(CPPFLAGS) $(NORUNPATH) \
702                  $(LDFLAGS) $(CCNEEDED)

704 #
705 # lint macros
706 #
707 # Note that the undefine of __PRAGMA_REDEFINE_EXTNAME can be removed once
708 # ON is built with a version of lint that has the fix for 4484186.
709 #
710 ALWAYS_LINT_DEFS =       -errtags=yes -s
711 ALWAYS_LINT_DEFS +=      -erroff=E_PTRDIFF_OVERFLOW
712 ALWAYS_LINT_DEFS +=      -erroff=E_ASSIGN_NARROW_CONV
713 ALWAYS_LINT_DEFS +=      -U__PRAGMA_REDEFINE_EXTNAME
714 ALWAYS_LINT_DEFS +=      $(C99LMODE)
715 ALWAYS_LINT_DEFS +=      -errsecurity=$(SECLEVEL)
716 ALWAYS_LINT_DEFS +=      -erroff=E_SEC_CREAT_WITHOUT_EXCL
717 ALWAYS_LINT_DEFS +=      -erroff=E_SEC_FORBIDDEN_WARN_CREAT
718 # XX64 -- really only needed for amd64 lint
719 ALWAYS_LINT_DEFS +=      -erroff=E_ASSIGN_INT_TO_SMALL_INT
```

```
720 ALWAYS_LINT_DEFS +=      -erroff=E_CAST_INT_CONST_TO_SMALL_INT
721 ALWAYS_LINT_DEFS +=      -erroff=E_CAST_INT_TO_SMALL_INT
722 ALWAYS_LINT_DEFS +=      -erroff=E_CAST_TO_PTR_FROM_INT
723 ALWAYS_LINT_DEFS +=      -erroff=E_COMP_INT_WITH_LARGE_INT
724 ALWAYS_LINT_DEFS +=      -erroff=E_INTEGRAL_CONST_EXP_EXPECTED
725 ALWAYS_LINT_DEFS +=      -erroff=E_PASS_INT_TO_SMALL_INT
726 ALWAYS_LINT_DEFS +=      -erroff=E_PTR_CONV_LOSES_BITS

728 # This forces lint to pick up note.h and sys/note.h from Devpro rather than
729 # from the proto area.  The note.h that ON delivers would disable NOTE().
730 ONLY_LINT_DEFS =         -I$(SPRO_VROOT)/prod/include/lint

732 SECLEVEL=        core
733 LINT.c=          $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS) $(CPPFLAGS) \
734                  $(ALWAYS_LINT_DEFS)
735 LINT64.c=        $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS64) $(CPPFLAGS) \
736                  $(ALWAYS_LINT_DEFS)
737 LINT.s=          $(LINT.c)

739 # For some future builds, NATIVE_MACH and MACH might be different.
740 # Therefore, NATIVE_MACH needs to be redefined in the
741 # environment as `uname -p` to override this macro.
742 #
743 # For now at least, we cross-compile amd64 on i386 machines.
744 NATIVE_MACH=     $(MACH:amd64=i386)

746 # Define native compilation macros
747 #

749 # Base directory where compilers are loaded.
750 # Defined here so it can be overridden by developer.
751 #
752 SPRO_ROOT=               $(BUILD_TOOLS)/SUNWspro
753 SPRO_VROOT=              $(SPRO_ROOT)/SS12
754 GNU_ROOT=                $(SFW_ROOT)

756 # Till SS12u1 formally becomes the NV CBE, LINT is hard
757 # coded to be picked up from the $SPRO_ROOT/sunstudio12.1/
758 # location. Impacted variables are sparc_LINT, sparcv9_LINT,
759 # i386_LINT, amd64_LINT.
760 # Reset them when SS12u1 is rolled out.
761 #

763 # Specify platform compiler versions for languages
764 # that we use (currently only c and c++).
765 #
766 sparc_CC=                $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
767 $(__GNUC)sparc_CC=       $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
768 sparc_CCC=               $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
769 $(__GNUC)sparc_CCC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
770 sparc_CPP=               /usr/ccs/lib/cpp
771 sparc_AS=                /usr/ccs/bin/as -xregsym=no
772 sparc_LD=                /usr/ccs/bin/ld
773 sparc_LINT=              $(SPRO_ROOT)/sunstudio12.1/bin/lint

775 sparcv9_CC=              $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
776 $(__GNUC64)sparcv9_CC=   $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
777 sparcv9_CCC=             $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
778 $(__GNUC64)sparcv9_CCC=  $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
779 sparcv9_CPP=             /usr/ccs/lib/cpp
780 sparcv9_AS=              /usr/ccs/bin/as -xregsym=no
781 sparcv9_LD=              /usr/ccs/bin/ld
782 sparcv9_LINT=            $(SPRO_ROOT)/sunstudio12.1/bin/lint

784 i386_CC=                 $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
785 $(__GNUC)i386_CC=        $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
```

```
786 i386_CCC=              $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
787 $(__GNUC)i386_CCC=    $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
788 i386_CPP=             /usr/ccs/lib/cpp
789 i386_AS=              /usr/ccs/bin/as
790 $(__GNUC)i386_AS=     $(ONBLD_TOOLS)/bin/$(MACH)/aw
791 i386_LD=              /usr/ccs/bin/ld
792 i386_LINT=            $(SPRO_ROOT)/sunstudio12.1/bin/lint

794 amd64_CC=             $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
795 $(__GNUC64)amd64_CC=  $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
796 amd64_CCC=            $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
797 $(__GNUC64)amd64_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
798 amd64_CPP=            /usr/ccs/lib/cpp
799 amd64_AS=             $(ONBLD_TOOLS)/bin/$(MACH)/aw
800 amd64_LD=             /usr/ccs/bin/ld
801 amd64_LINT=           $(SPRO_ROOT)/sunstudio12.1/bin/lint

803 NATIVECC=             $($(NATIVE_MACH)_CC)
804 NATIVECCC=            $($(NATIVE_MACH)_CCC)
805 NATIVECPP=            $($(NATIVE_MACH)_CPP)
806 NATIVEAS=             $($(NATIVE_MACH)_AS)
807 NATIVELD=             $($(NATIVE_MACH)_LD)
808 NATIVELINT=           $($(NATIVE_MACH)_LINT)

810 #
811 # Makefile.master.64 overrides these settings
812 #
813 CC=                   $(NATIVECC)
814 CCC=                  $(NATIVECCC)
815 CPP=                  $(NATIVECPP)
816 AS=                   $(NATIVEAS)
817 LD=                   $(NATIVELD)
818 LINT=                 $(NATIVELINT)

820 # The real compilers used for this build
821 CW_CC_CMD=            $(CC) -_compiler
822 CW_CCC_CMD=           $(CCC) -_compiler
823 REAL_CC=              $(CW_CC_CMD:sh)
824 REAL_CCC=             $(CW_CCC_CMD:sh)

826 # Pass -Y flag to cpp (method of which is release-dependent)
827 CCYFLAG=              -Y I,

829 BDIRECT=      -Bdirect
830 BDYNAMIC=     -Bdynamic
831 BLOCAL=       -Blocal
832 BNODIRECT=    -Bnodirect
833 BREDUCE=      -Breduce
834 BSTATIC=      -Bstatic

836 ZDEFS=        -zdefs
837 ZDIRECT=      -zdirect
838 ZIGNORE=      -zignore
839 ZINITFIRST=   -zinitfirst
840 ZINTERPOSE=   -zinterpose
841 ZLAZYLOAD=    -zlazyload
842 ZLOADFLTR=    -zloadfltr
843 ZMULDEFS=     -zmuldefs
844 ZNODEFAULTLIB= -znodefaultlib
845 ZNODEFS=      -znodefs
846 ZNODELETE=    -znodelete
847 ZNODLOPEN=    -znodlopen
848 ZNODUMP=      -znodump
849 ZNOLAZYLOAD=  -znolazyload
850 ZNOLDYNSYM=   -znoldynsym
851 ZNORELOC=     -znoreloc
```

```
852 ZNOVERSION=   -znoversion
853 ZRECORD=      -zrecord
854 ZREDLOCSYM=   -zredlocsym
855 ZTEXT=        -ztext
856 ZVERBOSE=     -zverbose

858 GSHARED=      -G
859 CCMT=         -mt

861 # Handle different PIC models on different ISAs
862 # (May be overridden by lower-level Makefiles)

864 sparc_C_PICFLAGS =    -K pic
865 sparcv9_C_PICFLAGS =  -K pic
866 i386_C_PICFLAGS =     -K pic
867 amd64_C_PICFLAGS =    -K pic
868 C_PICFLAGS =          $($(MACH)_C_PICFLAGS)
869 C_PICFLAGS64 =        $($(MACH64)_C_PICFLAGS)

871 sparc_C_BIGPICFLAGS =   -K PIC
872 sparcv9_C_BIGPICFLAGS = -K PIC
873 i386_C_BIGPICFLAGS =    -K PIC
874 amd64_C_BIGPICFLAGS =   -K PIC
875 C_BIGPICFLAGS =         $($(MACH)_C_BIGPICFLAGS)
876 C_BIGPICFLAGS64 =       $($(MACH64)_C_BIGPICFLAGS)

878 # CC requires there to be no space between '-K' and 'pic' or 'PIC'.
879 sparc_CC_PICFLAGS =    -Kpic
880 sparcv9_CC_PICFLAGS =  -KPIC
881 i386_CC_PICFLAGS =     -Kpic
882 amd64_CC_PICFLAGS =    -Kpic
883 CC_PICFLAGS =          $($(MACH)_CC_PICFLAGS)
884 CC_PICFLAGS64 =        $($(MACH64)_CC_PICFLAGS)

886 AS_PICFLAGS=          $(C_PICFLAGS)
887 AS_BIGPICFLAGS=       $(C_BIGPICFLAGS)

889 #
890 # Default label for CTF sections
891 #
892 CTFCVTFLAGS=          -i -L VERSION
893 $(SRCDBGBLD)CTFCVTFLAGS     += -g

895 #
896 # Override to pass module-specific flags to ctfmerge.  Currently used only by
897 # krtld to turn on fuzzy matching, and source-level debugging to inhibit
898 # stripping.
899 #
900 CTFMRGFLAGS=
901 $(SRCDBGBLD)CTFMRGFLAGS        += -g


904 CTFCONVERT_O            = $(CTFCONVERT) $(CTFCVTFLAGS) $@

906 ELFSIGN_O=       $(TRUE)
907 ELFSIGN_CRYPTO= $(ELFSIGN_O)
908 ELFSIGN_OBJECT= $(ELFSIGN_O)

910 # Rules (normally from make.rules) and macros which are used for post
911 # processing files. Normally, these do stripping of the comment section
912 # automatically.
913 #     RELEASE_CM:      Should be editted to reflect the release.
914 #     POST_PROCESS_O:  Post-processing for '.o' files.
915 #     POST_PROCESS_A:  Post-processing for '.a' files (currently null).
916 #     POST_PROCESS_SO: Post-processing for '.so' files.
917 #     POST_PROCESS:    Post-processing for executable files (no suffix).
```

```
 918 # Note that these macros are not completely generalized as they are to be
 919 # used with the file name to be processed following.
 920 #
 921 # It is left as an exercise to Release Engineering to embellish the generation
 922 # of the release comment string.
 923 #
 924 #        If this is a standard development build:
 925 #                compress the comment section (mcs -c)
 926 #                add the standard comment (mcs -a $(RELEASE_CM))
 927 #                add the development specific comment (mcs -a $(DEV_CM))
 928 #
 929 #        If this is an installation build:
 930 #                delete the comment section (mcs -d)
 931 #                add the standard comment (mcs -a $(RELEASE_CM))
 932 #                add the development specific comment (mcs -a $(DEV_CM))
 933 #
 934 #        If this is an release build:
 935 #                delete the comment section (mcs -d)
 936 #                add the standard comment (mcs -a $(RELEASE_CM))
 937 #
 938 # The following list of macros are used in the definition of RELEASE_CM
 939 # which is used to label all binaries in the build:
 940 #
 941 #        RELEASE        Specific release of the build, eg: 5.2
 942 #        RELEASE_MAJOR   Major version number part of $(RELEASE)
 943 #        RELEASE_MINOR   Minor version number part of $(RELEASE)
 944 #        VERSION         Version of the build (alpha, beta, Generic)
 945 #        PATCHID         If this is a patch this value should contain
 946 #                        the patchid value (eg: "Generic 100832-01"), otherwise
 947 #                        it will be set to $(VERSION)
 948 #        RELEASE_DATE    Date of the Release Build
 949 #        PATCH_DATE      Date the patch was created, if this is blank it
 950 #                        will default to the RELEASE_DATE
 951 #
 952 RELEASE_MAJOR=  5
 953 RELEASE_MINOR=  11
 954 RELEASE=        $(RELEASE_MAJOR).$(RELEASE_MINOR)
 955 VERSION=        SunOS Development
 956 PATCHID=        $(VERSION)
 957 RELEASE_DATE=   release date not set
 958 PATCH_DATE=     $(RELEASE_DATE)
 959 RELEASE_CM=     "@($(POUND_SIGN))SunOS $(RELEASE) $(PATCHID) $(PATCH_DATE)"
 960 DEV_CM=         "@($(POUND_SIGN))SunOS Internal Development: non-nightly build"

 962 PROCESS_COMMENT=  @?${MCS} -d -a $(RELEASE_CM) -a $(DEV_CM)
 963 $(RELEASE_BUILD)PROCESS_COMMENT=   @?${MCS} -d -a $(RELEASE_CM)

 965 STRIP_STABS=                           :
 966 $(RELEASE_BUILD)STRIP_STABS=       $(STRIP) -x $@
 967 $(SRCDBGBLD)STRIP_STABS=               :

 969 POST_PROCESS_O=         $(PROCESS_COMMENT) $@
 970 POST_PROCESS_A=
 971 POST_PROCESS_SO=        $(PROCESS_COMMENT) $@ ; $(STRIP_STABS) ; \
 972                         $(ELFSIGN_OBJECT)
 973 POST_PROCESS=           $(PROCESS_COMMENT) $@ ; $(STRIP_STABS) ; \
 974                         $(ELFSIGN_OBJECT)

 976 #
 977 # chk4ubin is a tool that inspects a module for a symbol table
 978 # ELF section size which can trigger an OBP bug on older platforms.
 979 # This problem affects only specific sun4u bootable modules.
 980 #
 981 CHK4UBIN=       $(ONBLD_TOOLS)/bin/$(MACH)/chk4ubin
 982 CHK4UBINFLAGS=
 983 CHK4UBINARY=    $(CHK4UBIN) $(CHK4UBINFLAGS) $@
```

```
 985 #
 986 # PKGARCHIVE specifies the default location where packages should be
 987 # placed if built.
 988 #
 989 $(RELEASE_BUILD)PKGARCHIVESUFFIX=        -nd
 990 PKGARCHIVE=$(SRC)/../../packages/$(MACH)/nightly$(PKGARCHIVESUFFIX)

 992 #
 993 # The repositories will be created with these publisher settings.  To
 994 # update an image to the resulting repositories, this must match the
 995 # publisher name provided to "pkg set-publisher."
 996 #
 997 PKGPUBLISHER_REDIST=     on-nightly
 998 PKGPUBLISHER_NONREDIST= on-extra

1000 #        Default build rules which perform comment section post-processing.
1001 #
1002 .c:
1003         $(LINK.c) -o $@ $< $(LDLIBS)
1004         $(POST_PROCESS)
1005 .c.o:
1006         $(COMPILE.c) $(OUTPUT_OPTION) $< $(CTFCONVERT_HOOK)
1007         $(POST_PROCESS_O)
1008 .c.a:
1009         $(COMPILE.c) -o $% $<
1010         $(PROCESS_COMMENT) $%
1011         $(AR) $(ARFLAGS) $@ $%
1012         $(RM) $%
1013 .s.o:
1014         $(COMPILE.s) -o $@ $<
1015         $(POST_PROCESS_O)
1016 .s.a:
1017         $(COMPILE.s) -o $% $<
1018         $(PROCESS_COMMENT) $%
1019         $(AR) $(ARFLAGS) $@ $%
1020         $(RM) $%
1021 .cc:
1022         $(LINK.cc) -o $@ $< $(LDLIBS)
1023         $(POST_PROCESS)
1024 .cc.o:
1025         $(COMPILE.cc) $(OUTPUT_OPTION) $<
1026         $(POST_PROCESS_O)
1027 .cc.a:
1028         $(COMPILE.cc) -o $% $<
1029         $(AR) $(ARFLAGS) $@ $%
1030         $(PROCESS_COMMENT) $%
1031         $(RM) $%
1032 .y:
1033         $(YACC.y) $<
1034         $(LINK.c) -o $@ y.tab.c $(LDLIBS)
1035         $(POST_PROCESS)
1036         $(RM) y.tab.c
1037 .y.o:
1038         $(YACC.y) $<
1039         $(COMPILE.c) -o $@ y.tab.c $(CTFCONVERT_HOOK)
1040         $(POST_PROCESS_O)
1041         $(RM) y.tab.c
1042 .l:
1043         $(RM) $*.c
1044         $(LEX.l) $< > $*.c
1045         $(LINK.c) -o $@ $*.c -ll $(LDLIBS)
1046         $(POST_PROCESS)
1047         $(RM) $*.c
1048 .l.o:
1049         $(RM) $*.c
```

```
1050            $(LEX.l) $< > $*.c
1051            $(COMPILE.c) -o $@ $*.c $(CTFCONVERT_HOOK)
1052            $(POST_PROCESS_O)
1053            $(RM) $*.c

1055 .bin.o:
1056            $(COMPILE.b) -o $@ $<
1057            $(POST_PROCESS_O)

1059 .java.class:
1060            $(COMPILE.java) $<

1062 # Bourne and Korn shell script message catalog build rules.
1063 # We extract all gettext strings with sed(1) (being careful to permit
1064 # multiple gettext strings on the same line), weed out the dups, and
1065 # build the catalogue with awk(1).

1067 .sh.po .ksh.po:
1068            $(SED) -n -e ":a"                                       \
1069                         -e "h"                                     \
1070                         -e "s/.*gettext *\(\"[^\"]*\"\).*/\1/p"     \
1071                         -e "x"                                     \
1072                         -e "s/\(.*\)gettext *\"[^\"]*\"\(.*\)/\1\2/"  \
1073                         -e "t a"                                   \
1074               $< | sort -u | awk '{ print "msgid\t" $$0 "\nmsgstr" }' > $@

1076 #
1077 # Python and Perl executable and message catalog build rules.
1078 #
1079 .SUFFIXES: .pl .pm .py .pyc

1081 .pl:
1082            $(RM) $@;
1083            $(SED) -e "s@TEXT_DOMAIN@\"$(TEXT_DOMAIN)\"@" $< > $@;
1084            $(CHMOD) +x $@

1086 .py:
1087            $(RM) $@; $(CAT) $< > $@; $(CHMOD) +x $@

1089 .py.pyc:
1090            $(RM) $@
1091            $(PYTHON) -mpy_compile $<
1092            @[ $(<)c = $@ ] || $(MV) $(<)c $@

1094 .py.po:
1095            $(GNUXGETTEXT) $(GNUXGETFLAGS) -d $(<F:%.py=%) $< ;

1097 .pl.po .pm.po:
1098            $(XGETTEXT) $(XGETFLAGS) -d $(<F) $< ;
1099            $(RM)    $@ ;
1100            $(SED) "/^domain/d" < $(<F).po > $@ ;
1101            $(RM) $(<F).po

1103 #
1104 # When using xgettext, we want messages to go to the default domain,
1105 # rather than the specified one.  This special version of the
1106 # COMPILE.cpp macro effectively prevents expansion of TEXT_DOMAIN,
1107 # causing xgettext to put all messages into the default domain.
1108 #
1109 CPPFORPO=$(COMPILE.cpp:\"$(TEXT_DOMAIN)\"=TEXT_DOMAIN)

1111 .c.i:
1112            $(CPPFORPO) $< > $@

1114 .h.i:
1115            $(CPPFORPO) $< > $@
```

```
1117 .y.i:
1118            $(YACC) -d $<
1119            $(CPPFORPO) y.tab.c  > $@
1120            $(RM) y.tab.c

1122 .l.i:
1123            $(LEX) $<
1124            $(CPPFORPO) lex.yy.c  > $@
1125            $(RM) lex.yy.c

1127 .c.po:
1128            $(CPPFORPO) $< > $<.i
1129            $(BUILD.po)

1131 .y.po:
1132            $(YACC) -d $<
1133            $(CPPFORPO) y.tab.c  > $<.i
1134            $(BUILD.po)
1135            $(RM) y.tab.c

1137 .l.po:
1138            $(LEX) $<
1139            $(CPPFORPO) lex.yy.c  > $<.i
1140            $(BUILD.po)
1141            $(RM) lex.yy.c

1143 #
1144 # Rules to perform stylistic checks
1145 #
1146 .SUFFIXES: .x .xml .check .xmlchk

1148 .h.check:
1149            $(DOT_H_CHECK)

1151 .x.check:
1152            $(DOT_X_CHECK)

1154 .xml.xmlchk:
1155            $(MANIFEST_CHECK)

1157 #
1158 # Include rules to render automated sccs get rules "safe".
1159 #
1160 include $(SRC)/Makefile.noget
```

****
1202 Mon Jun 2 17:29:29 2014
new/usr/src/cmd/perl/Makefile.perl
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
****
```
   1 #
   2 # This file and its contents are supplied under the terms of the
   3 # Common Development and Distribution License ("CDDL"), version 1.0.
   4 # You may only use this file in accordance with the terms of version
   5 # 1.0 of the CDDL.
   6 #
   7 # A full copy of the text of the CDDL should have accompanied this
   8 # source.  A copy of the CDDL is also available via the Internet at
   9 # http://www.illumos.org/license/CDDL.
  10 #
  11 #
  12 # Copyright (c) 2014 Racktop Systems.
  13 #

  15 include $(SRC)/lib/Makefile.lib
```

```
  17 # PERL_VERSION used to be set here,
  18 # but as it is also needed in usr/src/pkg/Makefile,
  19 # the difinition was moved to usr/src/Makefile.master
  17 PERL_VERSION = 5.10.0
```

```
  21 PERL_ARCH = i86pc-solaris-64int
  22 $(SPARC_BLD)PERL_ARCH = sun4-solaris-64int

  24 PERLDIR = $(ADJUNCT_PROTO)/usr/perl5/$(PERL_VERSION)
  25 PERLLIBDIR = $(PERLDIR)/lib/$(PERL_ARCH)
  26 PERLINCDIR = $(PERLLIBDIR)/CORE

  28 PERLMOD = $(MODULE).pm
  29 PERLEXT = $(MACH)/$(MODULE).so

  31 ROOTPERLDIR = $(ROOT)/usr/perl5/$(PERL_VERSION)
  32 ROOTPERLLIBDIR = $(ROOTPERLDIR)/lib/$(PERL_ARCH)
  33 ROOTPERLMODDIR = $(ROOTPERLLIBDIR)/Sun/Solaris
  34 ROOTPERLEXTDIR = $(ROOTPERLLIBDIR)/auto/Sun/Solaris/$(MODULE)

  36 ROOTPERLMOD = $(ROOTPERLMODDIR)/$(MODULE).pm
  37 ROOTPERLEXT = $(ROOTPERLEXTDIR)/$(MODULE).so

  39 C99MODE = $(C99_ENABLE)
```

```
**********************************************************
    1421 Mon Jun  2 17:29:30 2014
new/usr/src/cmd/perl/Makefile.targ
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
**********************************************************
    1 #
    2 # This file and its contents are supplied under the terms of the
    3 # Common Development and Distribution License ("CDDL"), version 1.0.
    4 # You may only use this file in accordance with the terms of version
    5 # 1.0 of the CDDL.
    6 #
    7 # A full copy of the text of the CDDL should have accompanied this
    8 # source.  A copy of the CDDL is also available via the Internet at
    9 # http://www.illumos.org/license/CDDL.
   10 #
   11 #
   12 # Copyright (c) 2014 Racktop Systems.
   13 # Copyright 2014, OmniTI Computer Consulting, Inc. All rights reserved.
   14 #

   16 # Link against libc as perl solaris specs
   17 $(PERLEXT):= LDLIBS += -lc

   19 # Allow for undefined symbols satisfied by perl
   20 $(PERLEXT):= ZDEFS =

   22 $(ROOTPERLEXT) := FILEMODE = 0555
   23 $(ROOTPERLMOD) := FILEMODE = 0444

   25 # CFLAGS for perl, specifically.
   26 PCFLAGS= -DPERL_EUPXS_ALWAYS_EXPORT -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64 \
   27         -DPERL_USE_SAFE_PUTENV -D_TS_ERRNO
   26 PCFLAGS= -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64 -DPERL_USE_SAFE_PUTENV \
   27         -D_TS_ERRNO

   29 $(MACH):
   30         $(INS.dir)

   32 $(PERLEXT): $(MACH)/$(MODULE).o
   33         $(BUILD.SO) $(MACH)/$(MODULE).o

   35 $(MACH)/$(MODULE).o: $(MACH)/$(MODULE).c
   36         $(COMPILE.c) $(PCFLAGS) $(C_PICFLAGS) -I$(PERLINCDIR) $< -o $@

   38 $(MACH)/$(MODULE).c: $(MACH) $(MODULE).xs
   39         $(PERLDIR)/bin/xsubpp $(XSUBPPFLAGS) $(MODULE).xs >$@

   41 $(ROOTPERLMODDIR):
   42         $(INS.dir)

   44 $(ROOTPERLMOD): $(ROOTPERLMODDIR) $(MODULE).pm
   45         $(RM) $@; $(INS) -s -m $(FILEMODE) -f $^

   47 $(ROOTPERLEXTDIR):
   48         $(INS.dir)

   50 $(ROOTPERLEXT): $(ROOTPERLEXTDIR) $(MACH)/$(MODULE).so
   51         $(RM) $@; $(INS) -s -m $(FILEMODE) -f $^
```

```
*********************************************************
    24422 Mon Jun  2 17:29:31 2014
new/usr/src/pkg/Makefile
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
*********************************************************
    1 #
    2 # CDDL HEADER START
    3 #
    4 # The contents of this file are subject to the terms of the
    5 # Common Development and Distribution License (the "License").
    6 # You may not use this file except in compliance with the License.
    7 #
    8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
    9 # or http://www.opensolaris.org/os/licensing.
   10 # See the License for the specific language governing permissions
   11 # and limitations under the License.
   12 #
   13 # When distributing Covered Code, include this CDDL HEADER in each
   14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
   15 # If applicable, add the following below this CDDL HEADER, with the
   16 # fields enclosed by brackets "[]" replaced with your own identifying
   17 # information: Portions Copyright [yyyy] [name of copyright owner]
   18 #
   19 # CDDL HEADER END
   20 #

   22 #
   23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
   24 #

   26 include $(SRC)/Makefile.master
   27 include $(SRC)/Makefile.buildnum

   29 #
   30 # Make sure we're getting a consistent execution environment for the
   31 # embedded scripts.
   32 #
   33 SHELL= /usr/bin/ksh93

   35 #
   36 # To suppress package dependency generation on any system, regardless
   37 # of how it was installed, set SUPPRESSPKGDEP=true in the build
   38 # environment.
   39 #
   40 SUPPRESSPKGDEP= false

   42 #
   43 # Comment this line out or set "PKGDEBUG=" in your build environment
   44 # to get more verbose output from the make processes in usr/src/pkg
   45 #
   46 PKGDEBUG= @

   48 #
   49 # Cross platform packaging notes
   50 #
   51 # By default, we package the proto area from the same architecture as
   52 # the packaging build.  In other words, if you're running nightly or
   53 # bldenv on an x86 platform, it will take objects from the x86 proto
   54 # area and use them to create x86 repositories.
   55 #
   56 # If you want to create repositories for an architecture that's
   57 # different from $(uname -p), you do so by setting PKGMACH in your
   58 # build environment.
   59 #
```

```
   60 # For this to work correctly, the following must all happen:
   61 #
   62 #   1. You need the desired proto area, which you can get either by
   63 #      doing a gatekeeper-style build with the -U option to
   64 #      nightly(1), or by using rsync.  If you don't do this, you will
   65 #      get packaging failures building all packages, because pkgsend
   66 #      is unable to find the required binaries.
   67 #   2. You need the desired tools proto area, which you can get in the
   68 #      same ways as the normal proto area.  If you don't do this, you
   69 #      will get packaging failures building onbld, because pkgsend is
   70 #      unable to find the tools binaries.
   71 #   3. The remainder of this Makefile should never refer directly to
   72 #      $(MACH).  Instead, $(PKGMACH) should be used whenever an
   73 #      architecture-specific path or token is needed.  If this is done
   74 #      incorrectly, then packaging will fail, and you will see the
   75 #      value of $(uname -p) instead of the value of $(PKGMACH) in the
   76 #      commands that fail.
   77 #   4. Each time a rule in this Makefile invokes $(MAKE), it should
   78 #      pass PKGMACH=$(PKGMACH) explicitly on the command line.  If
   79 #      this is done incorrectly, then packaging will fail, and you
   80 #      will see the value of $(uname -p) instead of the value of
   81 #      $(PKGMACH) in the commands that fail.
   82 #
   83 # Refer also to the convenience targets defined later in this
   84 # Makefile.
   85 #
   86 PKGMACH=        $(MACH)

   88 #
   89 # ROOT, TOOLS_PROTO, and PKGARCHIVE should be set by nightly or
   90 # bldenv.  These macros translate them into terms of $PKGMACH, instead
   91 # of $ARCH.
   92 #
   93 PKGROOT.cmd=    print $(ROOT) | sed -e s:/root_$(MACH):/root_$(PKGMACH):
   94 PKGROOT=        $(PKGROOT.cmd:sh)
   95 TOOLSROOT.cmd=  print $(TOOLS_PROTO) | sed -e s:/root_$(MACH):/root_$(PKGMACH):
   96 TOOLSROOT=      $(TOOLSROOT.cmd:sh)
   97 PKGDEST.cmd=    print $(PKGARCHIVE) | sed -e s:/$(MACH)/:/$(PKGMACH)/:
   98 PKGDEST=        $(PKGDEST.cmd:sh)

  100 EXCEPTIONS= packaging

  102 PKGMOGRIFY= pkgmogrify

  104 #
  105 # Always build the redistributable repository, but only build the
  106 # nonredistributable bits if we have access to closed source.
  107 #
  108 # Some objects that result from the closed build are still
  109 # redistributable, and should be packaged as part of an open-only
  110 # build.  Access to those objects is provided via the closed-bins
  111 # tarball.  See usr/src/tools/scripts/bindrop.sh for details.
  112 #
  113 REPOS= redist

  115 #
  116 # The packages directory will contain the processed manifests as
  117 # direct build targets and subdirectories for package metadata extracted
  118 # incidentally during manifest processing.
  119 #
  120 # Nothing underneath $(PDIR) should ever be managed by SCM.
  121 #
  122 PDIR= packages.$(PKGMACH)

  124 #
  125 # The tools proto must be specified for dependency generation.
```

```
126 # Publication from the tools proto area is managed in the
127 # publication rule.
128 #
129 $(PDIR)/developer-build-onbld.dep:= PKGROOT= $(TOOLSROOT)

131 PKGPUBLISHER= $(PKGPUBLISHER_REDIST)

133 #
134 # To get these defaults, manifests should simply refer to $(PKGVERS).
135 #
136 PKGVERS_COMPONENT= 0.$(RELEASE)
137 PKGVERS_BUILTON= $(RELEASE)
138 PKGVERS_BRANCH= 0.$(ONNV_BUILDNUM)
139 PKGVERS= $(PKGVERS_COMPONENT),$(PKGVERS_BUILTON)-$(PKGVERS_BRANCH)
140 PERL_PKGVERS.cmd= print $(PERL_VERSION) | sed 's/\.//g' | head -c 3
141 PERL_PKGVERS= $(PERL_PKGVERS.cmd:sh)
142 #endif /* ! codereview */

144 #
145 # The ARCH32 and ARCH64 macros are used in the manifests to express
146 # architecture-specific subdirectories in the installation paths
147 # for isaexec'd commands.
148 #
149 # We can't simply use $(MACH32) and $(MACH64) here, because they're
150 # only defined for the build architecture.  To do cross-platform
151 # packaging, we need both values.
152 #
153 i386_ARCH32= i86
154 sparc_ARCH32= sparcv7
155 i386_ARCH64= amd64
156 sparc_ARCH64= sparcv9

158 #
159 # macros and transforms needed by pkgmogrify
160 #
161 # If you append to this list using target-specific assignments (:=),
162 # be very careful that the targets are of the form $(PDIR)/pkgname.  If
163 # you use a higher level target, or a package list, you'll trigger a
164 # complete reprocessing of all manifests because they'll fail command
165 # dependency checking.
166 #
167 PM_TRANSFORMS= common_actions publish restart_fmri facets defaults \
168         extract_metadata
169 PM_INC= transforms manifests

171 PKGMOG_DEFINES= \
172         i386_ONLY=$(POUND_SIGN) \
173         sparc_ONLY=$(POUND_SIGN) \
174         $(PKGMACH)_ONLY= \
175         ARCH=$(PKGMACH) \
176         ARCH32=$($(PKGMACH)_ARCH32) \
177         ARCH64=$($(PKGMACH)_ARCH64) \
178         PKGVERS_COMPONENT=$(PKGVERS_COMPONENT) \
179         PKGVERS_BUILTON=$(PKGVERS_BUILTON) \
180         PKGVERS_BRANCH=$(PKGVERS_BRANCH) \
181         PKGVERS=$(PKGVERS) \
182         PERL_VERSION=$(PERL_VERSION) \
183         PERL_PKGVERS=$(PERL_PKGVERS)
140         PKGVERS=$(PKGVERS)

185 PKGDEP_TOKENS_i386= \
186         'PLATFORM=i86hvm' \
187         'PLATFORM=i86pc' \
188         'PLATFORM=i86xpv' \
189         'ISALIST=amd64' \
190         'ISALIST=i386'
```

```
191 PKGDEP_TOKENS_sparc= \
192         'PLATFORM=sun4u' \
193         'PLATFORM=sun4v' \
194         'ISALIST=sparcv9' \
195         'ISALIST=sparc'
196 PKGDEP_TOKENS= $(PKGDEP_TOKENS_$(PKGMACH))

198 #
199 # The package lists are generated with $(PKGDEP_TYPE) as their
200 # dependency types, so that they can be included by either an
201 # incorporation or a group package.
202 #
203 $(PDIR)/osnet-redist.mog := PKGDEP_TYPE= require
204 $(PDIR)/osnet-incorporation.mog:= PKGDEP_TYPE= incorporate

206 PKGDEP_INCORP= \
207         depend fmri=consolidation/osnet/osnet-incorporation type=require

209 #
210 # All packaging build products should go into $(PDIR), so they don't
211 # need to be included separately in CLOBBERFILES.
212 #
213 CLOBBERFILES= $(PDIR) proto_list_$(PKGMACH) install-$(PKGMACH).out \
214         license-list

216 #
217 # By default, PKGS will list all manifests.  To build and/or publish a
218 # subset of packages, override this on the command line or in the
219 # build environment and then reference (implicitly or explicitly) the all
220 # or install targets.
221 #
222 MANIFESTS :sh = (cd manifests; print *.mf)
223 PKGS= $(MANIFESTS:%.mf=%)
224 DEP_PKGS= $(PKGS:%=$(PDIR)/%.dep)
225 PROC_PKGS= $(PKGS:%=$(PDIR)/%.mog)

227 #
228 # Track the synthetic manifests separately so we can properly express
229 # build rules and dependencies.  The synthetic and real packages use
230 # different sets of transforms and macros for pkgmogrify.
231 #
232 SYNTH_PKGS= osnet-incorporation osnet-redist
233 DEP_SYNTH_PKGS= $(SYNTH_PKGS:%=$(PDIR)/%.dep)
234 PROC_SYNTH_PKGS= $(SYNTH_PKGS:%=$(PDIR)/%.mog)

236 #
237 # Root of pkg image to use for dependency resolution
238 # Normally / on the machine used to build the binaries
239 #
240 PKGDEP_RESOLVE_IMAGE = /

242 #
243 # For each package, we determine the target repository based on
244 # manifest-embedded metadata.  Because we make that determination on
245 # the fly, the publication target cannot be expressed as a
246 # subdirectory inside the unknown-by-the-makefile target repository.
247 #
248 # In order to limit the target set to real files in known locations,
249 # we use a ".pub" file in $(PDIR) for each processed manifest, regardless
250 # of content or target repository.
251 #
252 PUB_PKGS= $(SYNTH_PKGS:%=$(PDIR)/%.pub) $(PKGS:%=$(PDIR)/%.pub)

254 #
255 # Any given repository- and status-specific package list may be empty,
256 # but we can only determine that dynamically, so we always generate all
```

```
   257 # lists for each repository we're building.
   258 #
   259 # The meanings of each package status are as follows:
   260 #
   261 #        PKGSTAT         meaning
   262 #        ----------      -----------------------------------------------------
   263 #        noincorp        Do not include in incorporation or group package
   264 #        obsolete        Include in incorporation, but not group package
   265 #        renamed         Include in incorporation, but not group package
   266 #        current         Include in incorporation and group package
   267 #
   268 # Since the semantics of the "noincorp" package status dictate that
   269 # such packages are not included in the incorporation or group packages,
   270 # there is no need to build noincorp package lists.
   271 #
   272 PKGLISTS= \
   273         $(REPOS:%=$(PDIR)/packages.%.current) \
   274         $(REPOS:%=$(PDIR)/packages.%.renamed) \
   275         $(REPOS:%=$(PDIR)/packages.%.obsolete)

   277 .KEEP_STATE:

   279 .PARALLEL: $(PKGS) $(PROC_PKGS) $(DEP_PKGS) \
   280         $(PROC_SYNTH_PKGS) $(DEP_SYNTH_PKGS) $(PUB_PKGS)

   282 #
   283 # For a single manifest, the dependency chain looks like this:
   284 #
   285 #        raw manifest (mypkg.mf)
   286 #                  |
   287 #                  |     use pkgmogrify to process raw manifest
   288 #                  |
   289 #        processed manifest (mypkg.mog)
   290 #                  |
   291 #            *     |     use pkgdepend generate to generate dependencies
   292 #                  |
   293 #        manifest with TBD dependencies (mypkg.dep)
   294 #                  |
   295 #            %     |     use pkgdepend resolve to resolve dependencies
   296 #                  |
   297 #        manifest with dependencies resolved (mypkg.res)
   298 #                  |
   299 #                  |     use pkgsend to publish the package
   300 #                  |
   301 #        placeholder to indicate successful publication (mypkg.pub)
   302 #
   303 # * This may be suppressed via SUPPRESSPKGDEP.  The resulting
   304 #   packages will install correctly, but care must be taken to
   305 #   install all dependencies, because pkg will not have the input
   306 #   it needs to determine this automatically.
   307 #
   308 # % This is included in this diagram to make the picture complete, but
   309 #   this is a point of synchronization in the build process.
   310 #   Dependency resolution is actually done once on the entire set of
   311 #   manifests, not on a per-package basis.
   312 #
   313 # The full dependency chain for generating everything that needs to be
   314 # published, without actually publishing it, looks like this:
   315 #
   316 #        processed synthetic packages
   317 #                  |              |
   318 #        package lists       synthetic package manifests
   319 #                  |
   320 #        processed real packages
   321 #                  |           |
   322 #        package dir     real package manifests
```

```
   323 #
   324 # Here, each item is a set of real or synthetic packages.  For this
   325 # portion of the build, no reference is made to the proto area.  It is
   326 # therefore suitable for the "all" target, as opposed to "install."
   327 #
   328 # Since each of these steps is expressed explicitly, "all" need only
   329 # depend on the head of the chain.
   330 #
   331 # From the end of manifest processing, the publication dependency
   332 # chain looks like this:
   333 #
   334 #              repository metadata (catalogs and search indices)
   335 #                              |
   336 #                              |     pkgrepo refresh
   337 #                              |
   338 #              published packages
   339 #                  |                           |
   340 #                  |                           |     pkgsend publish
   341 #                  |                           |
   342 #        repositories      resolved dependencies
   343 #            |                           |
   344 # pkgsend                                |     pkgdepend resolve
   345 # create-repository                      |
   346 #            |                 generated dependencies
   347 #        repo directories                |
   348 #                                        |     pkgdepend
   349 #                                        |
   350 #                              processed manifests
   351 #

   353 ALL_TARGETS= $(PROC_SYNTH_PKGS) proto_list_$(PKGMACH)

   355 all: $(ALL_TARGETS)

   357 #
   358 # This will build the directory to contain the processed manifests
   359 # and the metadata symlinks.
   360 #
   361 $(PDIR):
   362         @print "Creating $(@)"
   363         $(PKGDEBUG)$(INS.dir)

   365 #
   366 # This rule resolves dependencies across all published manifests.
   367 #
   368 # We shouldn't have to ignore the error from pkgdepend, but until
   369 # 16012 and its dependencies are resolved, pkgdepend will always exit
   370 # with an error.
   371 #
   372 $(PDIR)/gendeps: $(DEP_SYNTH_PKGS) $(DEP_PKGS)
   373         -$(PKGDEBUG)if [ "$(SUPPRESSPKGDEP)" = "true" ]; then \
   374                 print "Suppressing dependency resolution"; \
   375                 for p in $(DEP_PKGS:%.dep=%); do \
   376                         $(CP) $$p.dep $$p.res; \
   377                 done; \
   378         else \
   379                 print "Resolving dependencies"; \
   380                 pkgdepend -R $(PKGDEP_RESOLVE_IMAGE) resolve \
   381                     -m $(DEP_SYNTH_PKGS) $(DEP_PKGS); \
   382                 for p in $(DEP_SYNTH_PKGS:%.dep=%) $(DEP_PKGS:%.dep=%); do \
   383                         if [ "$$(print $$p.metadata.*)" = \
   384                             "$$(print $$p.metadata.noincorp.*)" ]; \
   385                         then \
   386                                 print "Removing dependency versions from $$p"; \
   387                                 $(PKGMOGRIFY) $(PKGMOG_VERBOSE) \
   388                                     -O $$p.res -I transforms \
```

```
389                                           strip_versions $$p.dep.res; \
390                                   $(RM) $$p.dep.res; \
391                           else \
392                                   $(MV) $$p.dep.res $$p.res; \
393                           fi; \
394                   done; \
395           fi
396         $(PKGDEBUG)$(TOUCH) $(@)

398 install: $(ALL_TARGETS) repository-metadata

400 repository-metadata: publish_pkgs
401         $(PKGDEBUG)for r in $(REPOS); do \
402                 pkgrepo refresh -s $(PKGDEST)/repo.$$r; \
403         done

405 #
406 # Since we create zero-length processed manifests for a graceful abort
407 # from pkgmogrify, we need to detect that here and make no effort to
408 # publish the package.
409 #
410 # For all other packages, we publish them regardless of status.  We
411 # derive the target repository as a component of the metadata-derived
412 # symlink for each package.
413 #
414 publish_pkgs: $(REPOS:%=$(PKGDEST)/repo.%) $(PDIR)/gendeps .WAIT $(PUB_PKGS)

416 #
417 # Before publishing, we want to pull the license files from $CODEMGR_WS
418 # into the proto area.  This allows us to NOT pass $SRC (or
419 # $CODEMGR_WS) as a basedir for publication.
420 #
421 $(PUB_PKGS): stage-licenses

423 #
424 # Initialize the empty on-disk repositories
425 #
426 $(REPOS:%=$(PKGDEST)/repo.%):
427         @print "Initializing $(@F)"
428         $(PKGDEBUG)$(INS.dir)
429         $(PKGDEBUG)pkgsend -s file://$(@) create-repository \
430                 --set-property publisher.prefix=$(PKGPUBLISHER)

432 #
433 # rule to process real manifests
434 #
435 # To allow redistributability and package status to change, we must
436 # remove not only the actual build target (the processed manifest), but
437 # also the incidental ones (the metadata-derived symlinks).
438 #
439 # If pkgmogrify exits cleanly but fails to create the specified output
440 # file, it means that it encountered an abort directive.  That means
441 # that this package should not be published for this particular build
442 # environment.  Since we can't prune such packages from $(PKGS)
443 # retroactively, we need to create an empty target file to keep make
444 # from trying to rebuild it every time.  For these empty targets, we
445 # do not create metadata symlinks.
446 #
447 # Automatic dependency resolution to files is also done at this phase of
448 # processing.  The skipped packages are skipped due to existing bugs
449 # in pkgdepend.
450 #
451 # The incorporation dependency is tricky: it needs to go into all
452 # current and renamed manifests (ie all incorporated packages), but we
453 # don't know which those are until after we run pkgmogrify.  So
454 # instead of expressing it as a transform, we tack it on ex post facto.
```

```
455 #
456 # Implementation notes:
457 #
458 # - The first $(RM) must not match other manifests, or we'll run into
459 #   race conditions with parallel manifest processing.
460 #
461 # - The make macros [ie $(MACRO)] are evaluated when the makefile is
462 #   read in, and will result in a fixed, macro-expanded rule for each
463 #   target enumerated in $(PROC_PKGS).
464 #
465 # - The shell variables (ie $$VAR) are assigned on the fly, as the rule
466 #   is executed.  The results may only be referenced in the shell in
467 #   which they are assigned, so from the perspective of make, all code
468 #   that needs these variables needs to be part of the same line of
469 #   code.  Hence the use of command separators and line continuation
470 #   characters.
471 #
472 # - The extract_metadata transforms are designed to spit out shell
473 #   variable assignments to stdout.  Those are published to the
474 #   .vars temporary files, and then used as input to the eval
475 #   statement.  This is done in stages specifically so that pkgmogrify
476 #   can signal failure if the manifest has a syntactic or other error.
477 #   The eval statement should begin with the default values, and the
478 #   output from pkgmogrify (if any) should be in the form of a
479 #   variable assignment to override those defaults.
480 #
481 # - When this rule completes execution, it must leave an updated
482 #   target file ($@) in place, or make will reprocess the package
483 #   every time it encounters it as a dependency.  Hence the "touch"
484 #   statement to ensure that the target is created, even when
485 #   pkgmogrify encounters an abort in the publish transforms.
486 #

488 .SUFFIXES: .mf .mog .dep .res .pub

490 $(PDIR)/%.mog: manifests/%.mf
491         @print "Processing manifest $(<F)"
492         @env PKGFMT_OUTPUT=v1 pkgfmt -c $<
493         $(PKGDEBUG)$(RM) $(@) $(@:%.mog=%) $(@:%.mog=%.nodepend) \
494                 $(@:%.mog=%.lics) $(PDIR)/$(@:%.mog=%).metadata.* $(@).vars
495         $(PKGDEBUG)$(PKGMOGRIFY) $(PKGMOG_VERBOSE) $(PM_INC:%= -I %) \
496                 $(PKGMOG_DEFINES:%=-D %) -P $(@).vars -O $(@) \
497                 $(<) $(PM_TRANSFORMS)
498         $(PKGDEBUG)eval REPO=redist PKGSTAT=current NODEPEND=$(SUPPRESSPKGDEP) \
499                 `$(CAT) -s $(@).vars`; \
500         if [ -f $(@) ]; then \
501                 if [ "$$NODEPEND" != "false" ]; then \
502                         $(TOUCH) $(@:%.mog=%.nodepend); \
503                 fi; \
504                 $(LN) -s $(@F) \
505                         $(PDIR)/$(@F:%.mog=%).metadata.$$PKGSTAT.$$REPO; \
506                 if [ \( "$$PKGSTAT" = "current" \) -o \
507                     \( "$$PKGSTAT" = "renamed" \) ]; \
508                         then print $(PKGDEP_INCORP) >> $(@); \
509                 fi; \
510                 print $$LICS > $(@:%.mog=%.lics); \
511         else \
512                 $(TOUCH) $(@) $(@:%.mog=%.lics); \
513         fi
514         $(PKGDEBUG)$(RM) $(@).vars

516 $(PDIR)/%.dep: $(PDIR)/%.mog
517         @print "Generating dependencies for $(<F)"
518         $(PKGDEBUG)$(RM) $(@)
519         $(PKGDEBUG)if [ ! -f $(@:%.dep=%.nodepend) ]; then \
520                 pkgdepend generate -m $(PKGDEP_TOKENS:%=-D %) $(<) \
```

```
521                         $(PKGROOT) > $(@); \
522         else \
523                 $(CP) $(<) $(@); \
524         fi

526 #
527 # The full chain implies that there should be a .dep.res suffix rule,
528 # but dependency generation is done on a set of manifests, rather than
529 # on a per-manifest basis.  Instead, see the gendeps rule above.
530 #

532 $(PDIR)/%.pub: $(PDIR)/%.res
533         $(PKGDEBUG)m=$$(basename $(@:%.pub=%).metadata.*); \
534         r=$${m#$(@F:%.pub=%.metadata.)+(?).}; \
535         if [ -s $(<) ]; then \
536                 print "Publishing $(@F:%.pub=%) to $$r repository"; \
537                 pkgsend -s file://$(PKGDEST)/repo.$$r publish \
538                     -d $(PKGROOT) -d $(TOOLSROOT) \
539                     -d license_files -d $(PKGROOT)/licenses \
540                     --fmri-in-manifest --no-index --no-catalog $(<) \
541                     > /dev/null; \
542         fi; \
543         $(TOUCH) $(@);

545 #
546 # rule to build the synthetic manifests
547 #
548 # This rule necessarily has PKGDEP_TYPE that changes according to
549 # the specific synthetic manifest.  Rather than escape command
550 # dependency checking for the real manifest processing, or failing to
551 # express the (indirect) dependency of synthetic manifests on real
552 # manifests, we simply split this rule out from the one above.
553 #
554 # The implementation notes from the previous rule are applicable
555 # here, too.
556 #
557 $(PROC_SYNTH_PKGS): $(PKGLISTS) $$(@F:%.mog=%.mf)
558         @print "Processing synthetic manifest $(@F:%.mog=%.mf)"
559         $(PKGDEBUG)$(RM) $(@) $(PDIR)/$(@F:%.mog=%).metadata.* $(@).vars
560         $(PKGDEBUG)$(PKGMOGRIFY) $(PKGMOG_VERBOSE) -I transforms -I $(PDIR) \
561             $(PKGMOG_DEFINES:%=-D %) -D PKGDEP_TYPE=$(PKGDEP_TYPE) \
562             -P $(@).vars -O $(@) $(@F:%.mog=%.mf) \
563             $(PM_TRANSFORMS) synthetic
564         $(PKGDEBUG)eval REPO=redist PKGSTAT=current `$(CAT) -s $(@).vars`; \
565         if [ -f $(@) ]; then \
566                 $(LN) -s $(@F) \
567                     $(PDIR)/$(@F:%.mog=%).metadata.$$PKGSTAT.$$REPO; \
568         else \
569                 $(TOUCH) $(@); \
570         fi
571         $(PKGDEBUG)$(RM) $(@).vars

573 $(DEP_SYNTH_PKGS): $$(@:%.dep=%.mog)
574         @print "Skipping dependency generation for $(@F:%.dep=%)"
575         $(PKGDEBUG)$(CP) $(@:%.dep=%.mog) $(@)

577 clean:

579 clobber: clean
580         $(RM) -r $(CLOBBERFILES)

582 #
583 # This rule assumes that all links in the $PKGSTAT directories
584 # point to valid manifests, and will fail the make run if one
585 # does not contain an fmri.
586 #
```

```
587 # We do this in the BEGIN action instead of using pattern matching
588 # because we expect the fmri to be at or near the first line of each input
589 # file, and this way lets us avoid reading the rest of the file after we
590 # find what we need.
591 #
592 # We keep track of a failure to locate an fmri, so we can fail the
593 # make run, but we still attempt to process each package in the
594 # repo/pkgstat-specific subdir, in hopes of maybe giving some
595 # additional useful info.
596 #
597 # The protolist is used for bfu archive creation, which may be invoked
598 # interactively by the user.  Both protolist and PKGLISTS targets
599 # depend on $(PROC_PKGS), but protolist builds them recursively.
600 # To avoid collisions, we insert protolist into the dependency chain
601 # here.  This has two somewhat subtle benefits: it allows bfu archive
602 # creation to work correctly, even when -a was not part of NIGHTLY_OPTIONS,
603 # and it ensures that a protolist file here will always correspond to the
604 # contents of the processed manifests, which can vary depending on build
605 # environment.
606 #
607 $(PKGLISTS): $(PROC_PKGS)
608         $(PKGDEBUG)sdotr=$(@F:packages.%=%); \
609         r=$${sdotr%.+(?)}; s=$${sdotr#+(?).}; \
610         print "Generating $$r $$s package list"; \
611         $(RM) $(@); $(TOUCH) $(@); \
612         $(NAWK) 'BEGIN { \
613                 if (ARGC < 2) { \
614                         exit; \
615                 } \
616                 retcode = 0; \
617                 for (i = 1; i < ARGC; i++) { \
618                         do { \
619                                 e = getline f < ARGV[i]; \
620                         } while ((e == 1) && (f !~ /name=pkg.fmri/)); \
621                         close(ARGV[i]); \
622                         if (e == 1) { \
623                                 l = split(f, a, "="); \
624                                 print "depend fmri=" a[l], \
625                                     "type=$$(PKGDEP_TYPE)"; \
626                         } else { \
627                                 print "no fmri in " ARGV[i] >> "/dev/stderr"; \
628                                 retcode = 2; \
629                         } \
630                 } \
631                 exit retcode; \
632         }' `find $(PDIR) -type l -a \( $(PKGS:%=-name %.metadata.$$s.$$r -o) \
633             -name NOSUCHFILE \)' >> $(@)

635 #
636 # rules to validate proto area against manifests, check for safe
637 # file permission modes, and generate a faux proto list
638 #
639 # For the check targets, the dependencies on $(PROC_PKGS) is specified
640 # as a subordinate make process in order to suppress output.
641 #
642 makesilent:
643         @$(MAKE) -e $(PROC_PKGS) PKGMACH=$(PKGMACH) \
644             SUPPRESSPKGDEP=$(SUPPRESSPKGDEP) > /dev/null

646 #
647 # The .lics files were created during pkgmogrification, and list the
648 # set of licenses to pull from $SRC for each package.  Because
649 # licenses may be duplicated between packages, we uniquify them as
650 # well as aggregating them here.
651 #
652 license-list: makesilent
```

```
 653          $(PKGDEBUG)( for l in `cat $(PROC_PKGS:%.mog=%.lics)`; \
 654                  do print $$l; done ) | sort -u > $@

 656 #
 657 # Staging the license and description files in the proto area allows
 658 # us to do proper unreferenced file checking of both license and
 659 # description files without blanket exceptions, and to pull license
 660 # content without reference to $CODEMGR_WS during publication.
 661 #
 662 stage-licenses: license-list FRC
 663          $(PKGDEBUG)$(MAKE) -e -f Makefile.lic \
 664                  PKGDEBUG=$(PKGDEBUG) LICROOT=$(PKGROOT)/licenses \
 665                  `$(NAWK) '{ \
 666                          print "$(PKGROOT)/licenses/" $$0; \
 667                          print "$(PKGROOT)/licenses/" $$0 ".descrip"; \
 668                  }' license-list` > /dev/null;

 670 protocmp: makesilent
 671          @validate_pkg -a $(PKGMACH) -v \
 672                  $(EXCEPTIONS:%=-e $(CODEMGR_WS)/exception_lists/%) \
 673                  -m $(PDIR) -p $(PKGROOT) -p $(TOOLSROOT)

 675 pmodes: makesilent
 676          @validate_pkg -a $(PKGMACH) -M -m $(PDIR) \
 677                  -e $(CODEMGR_WS)/exception_lists/pmodes

 679 check: protocmp pmodes

 681 protolist: proto_list_$(PKGMACH)

 683 proto_list_$(PKGMACH): $(PROC_PKGS)
 684          @validate_pkg -a $(PKGMACH) -L -m $(PDIR) > $(@)

 686 $(PROC_PKGS): $(PDIR)

 688 #
 689 # This is a convenience target to allow package names to function as
 690 # build targets.  Generally, using it is only useful when iterating on
 691 # development of a manifest.
 692 #
 693 # When processing a manifest, use the basename (without extension) of
 694 # the package.  When publishing, use the basename with a ".pub"
 695 # extension.
 696 #
 697 # Other than during manifest development, the preferred usage is to
 698 # avoid these targets and override PKGS on the make command line and
 699 # use the provided all and install targets.
 700 #
 701 $(PKGS) $(SYNTH_PKGS): $(PDIR)/$$(@:%=%.mog)

 703 $(PKGS:%=%.pub) $(SYNTH_PKGS:%=%.pub): $(PDIR)/$$(@)

 705 #
 706 # This is a convenience target to resolve dependencies without publishing
 707 # packages.
 708 #
 709 gendeps: $(PDIR)/gendeps

 711 #
 712 # These are convenience targets for cross-platform packaging.  If you
 713 # want to build any of "the normal" targets for a different
 714 # architecture, simply use "arch/target" as your build target.
 715 #
 716 # Since the most common use case for this is "install," the architecture
 717 # specific install targets have been further abbreviated to elide "/install."
 718 #
```

```
 719 i386/% sparc/%:
 720          $(MAKE) -e $(@F) PKGMACH=$(@D) SUPPRESSPKGDEP=$(SUPPRESSPKGDEP)

 722 i386 sparc: $$(@)/install

 724 FRC:
```

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

    22 #
    23 # Copyright (c) 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 #

    28 <include SUNWcs.man1.inc>
    29 <include SUNWcs.man1m.inc>
    30 <include SUNWcs.man4.inc>
    31 <include SUNWcs.man5.inc>
    32 <include SUNWcs.man7d.inc>
    33 <include SUNWcs.man7fs.inc>
    34 set name=pkg.fmri value=pkg:/SUNWcs@$(PKGVERS)
    35 set name=pkg.description \
    36   value="core software for a specific instruction-set architecture"
    37 set name=pkg.summary value="Core Solaris"
    38 set name=info.classification value=org.opensolaris.category.2008:System/Core
    39 set name=variant.arch value=$(ARCH)
    40 dir path=dev group=sys
    41 dir path=etc group=sys
    42 dir path=etc/cron.d group=sys
    43 dir path=etc/crypto group=sys
    44 dir path=etc/crypto/certs group=sys
    45 dir path=etc/crypto/crls group=sys
    46 dir path=etc/default group=sys
    47 dir path=etc/dev group=sys
    48 dir path=etc/devices group=sys
    49 dir path=etc/dfs group=sys
    50 dir path=etc/dhcp group=sys
    51 dir path=etc/fs group=sys
    52 dir path=etc/fs/dev group=sys
    53 dir path=etc/fs/hsfs group=sys
    54 dir path=etc/fs/ufs group=sys
    55 dir path=etc/ftpd group=sys
    56 dir path=etc/inet group=sys
    57 dir path=etc/init.d group=sys
    58 dir path=etc/lib group=sys
    59 dir path=etc/logadm.d group=sys

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

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

```
192 dir path=usr/lib/fs/ufs group=sys
193 dir path=usr/lib/help
194 dir path=usr/lib/help/auths
195 dir path=usr/lib/help/auths/locale
196 dir path=usr/lib/help/auths/locale/C
197 dir path=usr/lib/help/profiles
198 dir path=usr/lib/help/profiles/locale
199 dir path=usr/lib/help/profiles/locale/C
200 dir path=usr/lib/iconv
201 dir path=usr/lib/inet
202 dir path=usr/lib/inet/$(ARCH32)
203 dir path=usr/lib/inet/$(ARCH64)
204 dir path=usr/lib/inet/dhcp
205 dir path=usr/lib/inet/dhcp/nsu
206 dir path=usr/lib/inet/dhcp/svc
207 dir path=usr/lib/locale
208 dir path=usr/lib/locale/C
209 dir path=usr/lib/locale/C/LC_COLLATE
210 dir path=usr/lib/locale/C/LC_CTYPE
211 dir path=usr/lib/locale/C/LC_MESSAGES
212 dir path=usr/lib/locale/C/LC_MONETARY
213 dir path=usr/lib/locale/C/LC_NUMERIC
214 dir path=usr/lib/locale/C/LC_TIME
215 dir path=usr/lib/netsvc group=sys
216 dir path=usr/lib/pci
217 dir path=usr/lib/rcm
218 dir path=usr/lib/rcm/modules
219 dir path=usr/lib/rcm/scripts
220 dir path=usr/lib/reparse
221 dir path=usr/lib/saf
222 dir path=usr/lib/secure
223 dir path=usr/lib/secure/$(ARCH64)
224 dir path=usr/lib/security
225 dir path=usr/lib/sysevent
226 dir path=usr/lib/sysevent/modules
227 dir path=usr/net group=sys
228 dir path=usr/net/nls group=sys
229 dir path=usr/net/servers group=sys
230 dir path=usr/old
231 dir path=usr/platform group=sys
232 dir path=usr/sadm
233 dir path=usr/sadm/bin
234 dir path=usr/sadm/install
235 dir path=usr/sadm/install/scripts
236 dir path=usr/sbin
237 $(i386_ONLY)dir path=usr/sbin/$(ARCH32)
238 dir path=usr/sbin/$(ARCH64)
239 dir path=usr/share
240 dir path=usr/share/doc group=other
241 dir path=usr/share/doc/ksh
242 dir path=usr/share/doc/ksh/images
243 dir path=usr/share/doc/ksh/images/callouts
244 dir path=usr/share/lib
245 dir path=usr/share/lib/mailx
246 dir path=usr/share/lib/pub
247 dir path=usr/share/lib/tabset
248 dir path=usr/share/lib/xml group=sys
249 dir path=usr/share/lib/xml/dtd group=sys
250 dir path=usr/share/lib/xml/style group=sys
251 dir path=usr/share/man
252 dir path=usr/share/man/man1
253 dir path=usr/share/man/man1m
254 dir path=usr/share/man/man4
255 dir path=usr/share/man/man5
256 dir path=usr/share/man/man7d
257 dir path=usr/share/man/man7fs
```

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

```
324     perms="* 0640 root sys" perms="ctl 0666 root sys"
325 driver name=kstat perms="* 0666 root sys"
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=renamenew
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/datemsk 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/keyserv group=sys preserve=true
344 file path=etc/default/login group=sys preserve=true
345 file path=etc/default/nss group=sys preserve=true
346 file path=etc/default/passwd group=sys preserve=true
347 file path=etc/default/su group=sys preserve=true
348 file path=etc/default/syslogd group=sys preserve=true
349 file path=etc/default/tar group=sys preserve=true
350 file path=etc/default/useradd group=sys preserve=true
351 file path=etc/default/utmpd group=sys preserve=true
352 file path=etc/dev/reserved_devnames group=sys preserve=true
353 file path=etc/device.tab group=root mode=0444 preserve=true
354 file path=etc/dfs/dfstab group=sys preserve=true
355 file path=etc/dfs/fstypes group=root preserve=true
356 file path=etc/dfs/sharetab group=root mode=0444 preserve=true
357 file path=etc/dgroup.tab group=sys mode=0444 preserve=true
358 file path=etc/dhcp/inittab group=sys preserve=true
359 file path=etc/dhcp/inittab6 group=sys preserve=true
360 file path=etc/dumpdates group=sys mode=0664 preserve=true
361 file path=etc/format.dat group=sys preserve=true
362 file path=etc/fs/dev/mount mode=0555
363 file path=etc/fs/hsfs/mount mode=0555
364 file path=etc/fs/ufs/mount mode=0555
365 file path=etc/ftpd/ftpusers group=sys preserve=true
366 file path=etc/group group=sys preserve=true
367 file path=etc/inet/hosts group=sys preserve=true
368 file path=etc/inet/inetd.conf group=sys preserve=true
369 file path=etc/inet/ipaddrsel.conf group=sys preserve=true
370 file path=etc/inet/netmasks group=sys preserve=true
371 file path=etc/inet/networks group=sys preserve=true
372 file path=etc/inet/protocols group=sys preserve=true
373 file path=etc/inet/services group=sys preserve=true
374 file path=etc/inet/wanboot.conf.sample group=sys mode=0444
375 file path=etc/init.d/PRESERVE group=sys mode=0744 preserve=true
376 file path=etc/init.d/README group=sys preserve=true
377 file path=etc/init.d/cachefs.daemon group=sys mode=0744 preserve=true
378 file path=etc/init.d/ldap.client group=sys mode=0744
379 file path=etc/init.d/nscd group=sys mode=0744
380 file path=etc/init.d/sysetup group=sys mode=0744 preserve=true
381 file path=etc/init.d/ufs_quota group=sys mode=0744 preserve=true
382 file path=etc/inittab group=sys preserve=true
383 file path=etc/ioctl.syscon group=sys preserve=true
384 file path=etc/ksh.kshrc group=sys preserve=renameold
385 file path=etc/logadm.conf group=sys preserve=true timestamp=19700101T000000Z
386 file path=etc/logindevperm group=sys preserve=true
387 file path=etc/magic mode=0444
388 file path=etc/mail/mailx.rc preserve=true
389 file path=etc/mailcap preserve=true
```

```
390 file path=etc/mime.types preserve=true
391 file path=etc/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=renamenew
419 file path=etc/security/audit_event group=sys preserve=renamenew
420 file path=etc/security/audit_warn group=sys mode=0740 preserve=renamenew
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=renamenew
425 file path=etc/security/dev/audio mode=0400
426 file path=etc/security/dev/fd0 mode=0400
427 file path=etc/security/dev/sr0 mode=0400
428 file path=etc/security/dev/st0 mode=0400
429 file path=etc/security/dev/st1 mode=0400
430 file path=etc/security/exec_attr group=sys preserve=true \
431     timestamp=19700101T000000Z
432 file path=etc/security/exec_attr.d/SUNWcs group=sys
433 file path=etc/security/kmfpolicy.xml
434 file path=etc/security/lib/audio_clean group=sys mode=0555
435 file path=etc/security/lib/fd_clean group=sys mode=0555
436 file path=etc/security/lib/sr_clean group=sys mode=0555
437 file path=etc/security/lib/st_clean group=sys mode=0555
438 file path=etc/security/policy.conf group=sys preserve=true
439 file path=etc/security/priv_names group=sys preserve=renameold
440 file path=etc/security/prof_attr group=sys preserve=true \
441     timestamp=19700101T000000Z
442 file path=etc/security/prof_attr.d/SUNWcs group=sys
443 file path=etc/shadow group=sys mode=0400 preserve=true
444 file path=etc/skel/.profile group=other preserve=true
445 file path=etc/skel/local.cshrc group=sys preserve=true
446 file path=etc/skel/local.login group=sys preserve=true
447 file path=etc/skel/local.profile group=sys preserve=true
448 file path=etc/svc/profile/generic_limited_net.xml group=sys mode=0444
449 file path=etc/svc/profile/generic_open.xml group=sys mode=0444
450 file path=etc/svc/profile/inetd_generic.xml group=sys mode=0444
451 file path=etc/svc/profile/inetd_upgrade.xml group=sys mode=0444
452 file path=etc/svc/profile/ns_dns.xml group=sys mode=0444
453 file path=etc/svc/profile/ns_files.xml group=sys mode=0444
454 file path=etc/svc/profile/ns_ldap.xml group=sys mode=0444
455 file path=etc/svc/profile/ns_nis.xml group=sys mode=0444
```

```
456 file path=etc/svc/profile/ns_none.xml group=sys mode=0444
457 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,SPARC-Enterprise.xml \
458     group=sys mode=0444
459 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire-15000.xml \
460     group=sys mode=0444
461 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire-880.xml \
462     group=sys mode=0444
463 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire.xml group=sys \
464     mode=0444
465 $(sparc_ONLY)file \
466     path=etc/svc/profile/platform_SUNW,Ultra-Enterprise-10000.xml group=sys \
467     mode=0444
468 $(sparc_ONLY)file \
469     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIi-Netract.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/ttysrch 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/ipmgmtd 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-dlmgmtd 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/dhcpagent mode=0555
640 file path=sbin/dhcpinfo mode=0555
641 file path=sbin/dlmgmtd mode=0555
642 file path=sbin/fdisk mode=0555
643 file path=sbin/fiocompress mode=0555
644 file path=sbin/hostconfig mode=0555
645 file path=sbin/ifconfig mode=0555
646 file path=sbin/ifparse mode=0555
647 file path=sbin/init group=sys mode=0555
648 $(i386_ONLY)file path=sbin/installgrub group=sys mode=0555
649 file path=sbin/ipmpstat 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
```

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

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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
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
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/FXpriocntl mode=0555
 930 file path=usr/lib/class/IA/IAdispadmin mode=0555
 931 file path=usr/lib/class/IA/IApriocntl mode=0555
 932 file path=usr/lib/class/RT/RTdispadmin mode=0555
 933 file path=usr/lib/class/RT/RTpriocntl mode=0555
 934 file path=usr/lib/class/SDC/SDCdispadmin mode=0555
 935 file path=usr/lib/class/SDC/SDCpriocntl mode=0555
 936 file path=usr/lib/class/TS/TSdispadmin mode=0555
 937 file path=usr/lib/class/TS/TSpriocntl mode=0555
 938 file path=usr/lib/devfsadm/linkmod/SUNW_audio_link.so group=sys
 939 file path=usr/lib/devfsadm/linkmod/SUNW_cfg_link.so group=sys
 940 file path=usr/lib/devfsadm/linkmod/SUNW_disk_link.so group=sys
 941 file path=usr/lib/devfsadm/linkmod/SUNW_fssnap_link.so group=sys
 942 file path=usr/lib/devfsadm/linkmod/SUNW_ieee1394_link.so group=sys
 943 file path=usr/lib/devfsadm/linkmod/SUNW_lofi_link.so group=sys
 944 file path=usr/lib/devfsadm/linkmod/SUNW_md_link.so group=sys
 945 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link.so group=sys
 946 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link_$(ARCH).so group=sys
 947 file path=usr/lib/devfsadm/linkmod/SUNW_port_link.so group=sys
 948 file path=usr/lib/devfsadm/linkmod/SUNW_ramdisk_link.so group=sys
 949 file path=usr/lib/devfsadm/linkmod/SUNW_sgen_link.so group=sys
 950 file path=usr/lib/devfsadm/linkmod/SUNW_smp_link.so group=sys
 951 file path=usr/lib/devfsadm/linkmod/SUNW_tape_link.so group=sys
 952 file path=usr/lib/devfsadm/linkmod/SUNW_usb_link.so group=sys
 953 $(i386_ONLY)file path=usr/lib/devfsadm/linkmod/SUNW_xen_link.so group=sys
 954 file path=usr/lib/diffh mode=0555
 955 file path=usr/lib/expreserve mode=0555
 956 file path=usr/lib/exrecover mode=0555
 957 file path=usr/lib/fs/cachefs/cachefsd mode=0555
 958 file path=usr/lib/fs/cachefs/cachefslog mode=0555
 959 file path=usr/lib/fs/cachefs/cachefspack mode=0555
 960 file path=usr/lib/fs/cachefs/cachefsstat mode=0555
 961 file path=usr/lib/fs/cachefs/cachefswssize mode=0555
 962 file path=usr/lib/fs/cachefs/cfsadmin mode=0555
 963 file path=usr/lib/fs/cachefs/cfsfstype mode=0555
 964 file path=usr/lib/fs/cachefs/cfstagchk mode=0555
 965 file path=usr/lib/fs/cachefs/dfshares mode=0555
 966 file path=usr/lib/fs/cachefs/fsck mode=0555
 967 file path=usr/lib/fs/cachefs/mount mode=0555
 968 file path=usr/lib/fs/cachefs/share mode=0555
 969 file path=usr/lib/fs/cachefs/umount mode=0555
 970 file path=usr/lib/fs/cachefs/unshare mode=0555
 971 file path=usr/lib/fs/ctfs/mount mode=0555
 972 file path=usr/lib/fs/fd/mount mode=0555
 973 file path=usr/lib/fs/hsfs/fstyp.so.1 mode=0555
 974 file path=usr/lib/fs/hsfs/labelit mode=0555
 975 file path=usr/lib/fs/lofs/mount mode=0555
 976 file path=usr/lib/fs/mntfs/mount mode=0555
 977 file path=usr/lib/fs/objfs/mount mode=0555
 978 file path=usr/lib/fs/proc/mount mode=0555
 979 file path=usr/lib/fs/sharefs/mount mode=0555
 980 file path=usr/lib/fs/tmpfs/mount mode=0555
 981 file path=usr/lib/fs/ufs/clri mode=0555
 982 file path=usr/lib/fs/ufs/df mode=0555
 983 file path=usr/lib/fs/ufs/edquota mode=0555
```

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

```
1050 file path=usr/lib/help/auths/locale/C/SmfAutofsStates.html
1051 file path=usr/lib/help/auths/locale/C/SmfCoreadmStates.html
1052 file path=usr/lib/help/auths/locale/C/SmfCronStates.html
1053 file path=usr/lib/help/auths/locale/C/SmfExAcctFlowStates.html
1054 file path=usr/lib/help/auths/locale/C/SmfExAcctNetStates.html
1055 file path=usr/lib/help/auths/locale/C/SmfExAcctProcessStates.html
1056 file path=usr/lib/help/auths/locale/C/SmfExAcctTaskStates.html
1057 file path=usr/lib/help/auths/locale/C/SmfHeader.html
1058 file path=usr/lib/help/auths/locale/C/SmfILBStates.html
1059 file path=usr/lib/help/auths/locale/C/SmfIPsecStates.html
1060 file path=usr/lib/help/auths/locale/C/SmfIdmapStates.html
1061 file path=usr/lib/help/auths/locale/C/SmfInetdStates.html
1062 file path=usr/lib/help/auths/locale/C/SmfLocationStates.html
1063 file path=usr/lib/help/auths/locale/C/SmfMDNSStates.html
1064 file path=usr/lib/help/auths/locale/C/SmfManageAudit.html
1065 file path=usr/lib/help/auths/locale/C/SmfManageHeader.html
1066 file path=usr/lib/help/auths/locale/C/SmfManageHotplug.html
1067 file path=usr/lib/help/auths/locale/C/SmfManageZFSSnap.html
1068 file path=usr/lib/help/auths/locale/C/SmfModifyAppl.html
1069 file path=usr/lib/help/auths/locale/C/SmfModifyDepend.html
1070 file path=usr/lib/help/auths/locale/C/SmfModifyFramework.html
1071 file path=usr/lib/help/auths/locale/C/SmfModifyHeader.html
1072 file path=usr/lib/help/auths/locale/C/SmfModifyMethod.html
1073 file path=usr/lib/help/auths/locale/C/SmfNADDStates.html
1074 file path=usr/lib/help/auths/locale/C/SmfNDMPStates.html
1075 file path=usr/lib/help/auths/locale/C/SmfNWAMStates.html
1076 file path=usr/lib/help/auths/locale/C/SmfNscdStates.html
1077 file path=usr/lib/help/auths/locale/C/SmfPowerStates.html
1078 file path=usr/lib/help/auths/locale/C/SmfReparseStates.html
1079 file path=usr/lib/help/auths/locale/C/SmfRoutingStates.html
1080 file path=usr/lib/help/auths/locale/C/SmfSMBFSStates.html
1081 file path=usr/lib/help/auths/locale/C/SmfSMBStates.html
1082 file path=usr/lib/help/auths/locale/C/SmfSendmailStates.html
1083 file path=usr/lib/help/auths/locale/C/SmfSshStates.html
1084 file path=usr/lib/help/auths/locale/C/SmfSyslogStates.html
1085 file path=usr/lib/help/auths/locale/C/SmfVRRPStates.html
1086 file path=usr/lib/help/auths/locale/C/SmfValueAudit.html
1087 file path=usr/lib/help/auths/locale/C/SmfValueCoreadm.html
1088 file path=usr/lib/help/auths/locale/C/SmfValueExAcctFlow.html
1089 file path=usr/lib/help/auths/locale/C/SmfValueExAcctNet.html
1090 file path=usr/lib/help/auths/locale/C/SmfValueExAcctProcess.html
1091 file path=usr/lib/help/auths/locale/C/SmfValueExAcctTask.html
1092 file path=usr/lib/help/auths/locale/C/SmfValueFirewall.html
1093 file path=usr/lib/help/auths/locale/C/SmfValueHeader.html
1094 file path=usr/lib/help/auths/locale/C/SmfValueIPsec.html
1095 file path=usr/lib/help/auths/locale/C/SmfValueIdmap.html
1096 file path=usr/lib/help/auths/locale/C/SmfValueInetd.html
1097 file path=usr/lib/help/auths/locale/C/SmfValueMDNS.html
1098 file path=usr/lib/help/auths/locale/C/SmfValueNADD.html
1099 file path=usr/lib/help/auths/locale/C/SmfValueNDMP.html
1100 file path=usr/lib/help/auths/locale/C/SmfValueNWAM.html
1101 file path=usr/lib/help/auths/locale/C/SmfValueRouting.html
1102 file path=usr/lib/help/auths/locale/C/SmfValueSMB.html
1103 file path=usr/lib/help/auths/locale/C/SmfValueVscan.html
1104 file path=usr/lib/help/auths/locale/C/SmfValueVt.html
1105 file path=usr/lib/help/auths/locale/C/SmfVscanStates.html
1106 file path=usr/lib/help/auths/locale/C/SmfVtStates.html
1107 file path=usr/lib/help/auths/locale/C/SmfWpaStates.html
1108 file path=usr/lib/help/auths/locale/C/SysCpuPowerMgmt.html
1109 file path=usr/lib/help/auths/locale/C/SysDate.html
1110 file path=usr/lib/help/auths/locale/C/SysHeader.html
1111 file path=usr/lib/help/auths/locale/C/SysMaintenance.html
1112 file path=usr/lib/help/auths/locale/C/SysPowerMgmtBrightness.html
1113 file path=usr/lib/help/auths/locale/C/SysPowerMgmtHeader.html
1114 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspend.html
1115 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoDisk.html
```

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1116 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoRAM.html
1117 file path=usr/lib/help/auths/locale/C/SysShutdown.html
1118 file path=usr/lib/help/auths/locale/C/SysSyseventRead.html
1119 file path=usr/lib/help/auths/locale/C/SysSyseventWrite.html
1120 file path=usr/lib/help/auths/locale/C/WifiConfig.html
1121 file path=usr/lib/help/auths/locale/C/WifiWep.html
1122 file path=usr/lib/help/auths/locale/C/ZoneCloneFrom.html
1123 file path=usr/lib/help/auths/locale/C/ZoneHeader.html
1124 file path=usr/lib/help/auths/locale/C/ZoneLogin.html
1125 file path=usr/lib/help/auths/locale/C/ZoneManage.html
1126 file path=usr/lib/help/profiles/locale/C/RtAcctadm.html
1127 file path=usr/lib/help/profiles/locale/C/RtAll.html
1128 file path=usr/lib/help/profiles/locale/C/RtAuditCfg.html
1129 file path=usr/lib/help/profiles/locale/C/RtAuditCtrl.html
1130 file path=usr/lib/help/profiles/locale/C/RtAuditReview.html
1131 file path=usr/lib/help/profiles/locale/C/RtCPUPowerManagement.html
1132 file path=usr/lib/help/profiles/locale/C/RtConsUser.html
1133 file path=usr/lib/help/profiles/locale/C/RtContractObserver.html
1134 file path=usr/lib/help/profiles/locale/C/RtCronMngmt.html
1135 file path=usr/lib/help/profiles/locale/C/RtCryptoMngmnt.html
1136 file path=usr/lib/help/profiles/locale/C/RtDHCPMngmnt.html
1137 file path=usr/lib/help/profiles/locale/C/RtDatAdmin.html
1138 file path=usr/lib/help/profiles/locale/C/RtDefault.html
1139 file path=usr/lib/help/profiles/locale/C/RtDeviceMngmnt.html
1140 file path=usr/lib/help/profiles/locale/C/RtDeviceSecurity.html
1141 file path=usr/lib/help/profiles/locale/C/RtExAcctFlow.html
1142 file path=usr/lib/help/profiles/locale/C/RtExAcctNet.html
1143 file path=usr/lib/help/profiles/locale/C/RtExAcctProcess.html
1144 file path=usr/lib/help/profiles/locale/C/RtExAcctTask.html
1145 file path=usr/lib/help/profiles/locale/C/RtFTPMngmnt.html
1146 file path=usr/lib/help/profiles/locale/C/RtFileSysMngmnt.html
1147 file path=usr/lib/help/profiles/locale/C/RtFileSysSecurity.html
1148 file path=usr/lib/help/profiles/locale/C/RtHotplugMngmnt.html
1149 file path=usr/lib/help/profiles/locale/C/RtIPFilterMngmnt.html
1150 file path=usr/lib/help/profiles/locale/C/RtIdmapMngmnt.html
1151 file path=usr/lib/help/profiles/locale/C/RtIdmapNameRulesMngmnt.html
1152 file path=usr/lib/help/profiles/locale/C/RtInetdMngmnt.html
1153 file path=usr/lib/help/profiles/locale/C/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
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
```

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1182 file path=usr/lib/help/profiles/locale/C/RtRightsDelegate.html
1183 file path=usr/lib/help/profiles/locale/C/RtSMBFSMngmnt.html
1184 file path=usr/lib/help/profiles/locale/C/RtSMBMngmnt.html
1185 file path=usr/lib/help/profiles/locale/C/RtSoftwareInstall.html
1186 file path=usr/lib/help/profiles/locale/C/RtSysAdmin.html
1187 file path=usr/lib/help/profiles/locale/C/RtSysEvMngmnt.html
1188 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmt.html
1189 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtBrightness.html
1190 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspend.html
1191 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoDisk.html
1192 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoRAM.html
1193 file path=usr/lib/help/profiles/locale/C/RtUserMngmnt.html
1194 file path=usr/lib/help/profiles/locale/C/RtUserSecurity.html
1195 file path=usr/lib/help/profiles/locale/C/RtVscanMngmnt.html
1196 file path=usr/lib/help/profiles/locale/C/RtZFSFileSysMngmnt.html
1197 file path=usr/lib/help/profiles/locale/C/RtZFSStorageMngmnt.html
1198 file path=usr/lib/help/profiles/locale/C/RtZoneMngmnt.html
1199 file path=usr/lib/help/profiles/locale/C/RtZoneSecurity.html
1200 file path=usr/lib/hotplugd mode=0555
1201 file path=usr/lib/iconv/646da.8859.t mode=0444
1202 file path=usr/lib/iconv/646de.8859.t mode=0444
1203 file path=usr/lib/iconv/646en.8859.t mode=0444
1204 file path=usr/lib/iconv/646es.8859.t mode=0444
1205 file path=usr/lib/iconv/646fr.8859.t mode=0444
1206 file path=usr/lib/iconv/646it.8859.t mode=0444
1207 file path=usr/lib/iconv/646sv.8859.t mode=0444
1208 file path=usr/lib/iconv/8859.646.t mode=0444
1209 file path=usr/lib/iconv/8859.646da.t mode=0444
1210 file path=usr/lib/iconv/8859.646de.t mode=0444
1211 file path=usr/lib/iconv/8859.646en.t mode=0444
1212 file path=usr/lib/iconv/8859.646es.t mode=0444
1213 file path=usr/lib/iconv/8859.646fr.t mode=0444
1214 file path=usr/lib/iconv/8859.646it.t mode=0444
1215 file path=usr/lib/iconv/8859.646sv.t mode=0444
1216 file path=usr/lib/iconv/iconv_data mode=0444
1217 file path=usr/lib/idmapd mode=0555
1218 file path=usr/lib/inet/$(ARCH32)/in.iked mode=0555
1219 file path=usr/lib/inet/$(ARCH64)/in.iked mode=0555
1220 file path=usr/lib/inet/certdb mode=0555
1221 file path=usr/lib/inet/certlocal mode=0555
1222 file path=usr/lib/inet/certrldb mode=0555
1223 file path=usr/lib/inet/inetd mode=0555
1224 file path=usr/lib/intrd mode=0555
1225 file path=usr/lib/isaexec mode=0555
1226 file path=usr/lib/kssladm mode=0555
1227 $(sparc_ONLY)file path=usr/lib/ld.so
1228 file path=usr/lib/libshare.so.1
1229 file path=usr/lib/makekey mode=0555
1230 file path=usr/lib/more.help
1231 file path=usr/lib/newsyslog group=sys mode=0555
1232 file path=usr/lib/passmgmt group=sys mode=0555
1233 file path=usr/lib/pci/pcidr mode=0555
1234 file path=usr/lib/pci/pcidr_plugin.so
1235 file path=usr/lib/pfexecd mode=0555
1236 file path=usr/lib/platexec mode=0555
1237 file path=usr/lib/rcm/modules/SUNW_aggr_rcm.so mode=0555
1238 file path=usr/lib/rcm/modules/SUNW_cluster_rcm.so mode=0555
1239 file path=usr/lib/rcm/modules/SUNW_dump_rcm.so mode=0555
1240 file path=usr/lib/rcm/modules/SUNW_filesys_rcm.so mode=0555
1241 file path=usr/lib/rcm/modules/SUNW_ibpart_rcm.so mode=0555
1242 file path=usr/lib/rcm/modules/SUNW_ip_anon_rcm.so mode=0555
1243 file path=usr/lib/rcm/modules/SUNW_ip_rcm.so mode=0555
1244 file path=usr/lib/rcm/modules/SUNW_mpxio_rcm.so mode=0555
1245 file path=usr/lib/rcm/modules/SUNW_network_rcm.so mode=0555
1246 file path=usr/lib/rcm/modules/SUNW_swap_rcm.so mode=0555
1247 $(sparc_ONLY)file path=usr/lib/rcm/modules/SUNW_ttymux_rcm.so mode=0555
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1248 file path=usr/lib/rcm/modules/SUNW_vlan_rcm.so mode=0555
1249 file path=usr/lib/rcm/modules/SUNW_vnic_rcm.so mode=0555
1250 file path=usr/lib/rcm/rcm_daemon mode=0555
1251 file path=usr/lib/reparse/reparsed group=sys mode=0555
1252 file path=usr/lib/saf/listen group=sys mode=0755
1253 file path=usr/lib/saf/nlps_server group=sys mode=0755
1254 file path=usr/lib/saf/sac group=sys mode=0555
1255 file path=usr/lib/saf/ttymon group=sys mode=0555
1256 file path=usr/lib/sysevent/modules/datalink_mod.so
1257 file path=usr/lib/sysevent/modules/devfsadmd_mod.so
1258 file path=usr/lib/sysevent/modules/sysevent_conf_mod.so
1259 file path=usr/lib/sysevent/modules/sysevent_reg_mod.so
1260 file path=usr/lib/sysevent/syseventconfd mode=0555
1261 file path=usr/lib/sysevent/syseventd mode=0555
1262 file path=usr/lib/utmp_update mode=4555
1263 file path=usr/lib/utmpd mode=0555
1264 file path=usr/lib/vtdaemon mode=0555
1265 file path=usr/lib/vtinfo mode=0555
1266 file path=usr/lib/vtxlock mode=0555
1267 file path=usr/sadm/bin/puttext mode=0555
1268 file path=usr/sadm/install/miniroot.db group=sys mode=0444
1269 file path=usr/sadm/install/scripts/i.ipsecalgs group=sys mode=0555
1270 file path=usr/sadm/install/scripts/i.kcfconf group=sys mode=0555
1271 file path=usr/sadm/install/scripts/i.kmfconf group=sys mode=0555
1272 file path=usr/sadm/install/scripts/i.manifest group=sys mode=0555
1273 file path=usr/sadm/install/scripts/i.pkcs11conf group=sys mode=0555
1274 file path=usr/sadm/install/scripts/i.rbac group=sys mode=0555
1275 file path=usr/sadm/install/scripts/r.ipsecalgs group=sys mode=0555
1276 file path=usr/sadm/install/scripts/r.kcfconf group=sys mode=0555
1277 file path=usr/sadm/install/scripts/r.kmfconf group=sys mode=0555
1278 file path=usr/sadm/install/scripts/r.manifest group=sys mode=0555
1279 file path=usr/sadm/install/scripts/r.pkcs11conf group=sys mode=0555
1280 file path=usr/sadm/install/scripts/r.rbac group=sys mode=0555
1281 file path=usr/sadm/ugdates mode=0444
1282 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/add_drv group=sys mode=0555
1283 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modinfo group=sys mode=0555
1284 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modload group=sys mode=0555
1285 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modunload group=sys mode=0555
1286 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/pbind group=sys mode=0555
1287 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/prtconf group=sys mode=2555
1288 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/psrset group=sys mode=0555
1289 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/rem_drv group=sys mode=0555
1290 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/swap group=sys mode=2555
1291 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/sysdef group=sys mode=2555
1292 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/update_drv group=sys mode=0555
1293 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/whodo mode=4555
1294 file path=usr/sbin/$(ARCH64)/add_drv group=sys mode=0555
1295 file path=usr/sbin/$(ARCH64)/modinfo group=sys mode=0555
1296 file path=usr/sbin/$(ARCH64)/modload group=sys mode=0555
1297 file path=usr/sbin/$(ARCH64)/modunload group=sys mode=0555
1298 file path=usr/sbin/$(ARCH64)/pbind group=sys mode=0555
1299 file path=usr/sbin/$(ARCH64)/prtconf group=sys mode=2555
1300 file path=usr/sbin/$(ARCH64)/psrset group=sys mode=0555
1301 file path=usr/sbin/$(ARCH64)/rem_drv group=sys mode=0555
1302 file path=usr/sbin/$(ARCH64)/swap group=sys mode=2555
1303 file path=usr/sbin/$(ARCH64)/sysdef group=sys mode=2555
1304 file path=usr/sbin/$(ARCH64)/update_drv group=sys mode=0555
1305 file path=usr/sbin/$(ARCH64)/whodo mode=4555
1306 file path=usr/sbin/6to4relay mode=0555
1307 file path=usr/sbin/acctadm mode=0555
1308 file path=usr/sbin/allocate mode=4555
1309 file path=usr/sbin/arp mode=0555
1310 file path=usr/sbin/audit mode=0555
1311 file path=usr/sbin/auditconfig mode=0555
1312 file path=usr/sbin/auditd mode=0555
1313 file path=usr/sbin/auditrecord mode=0555
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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/dispadmin mode=0555
1328 file path=usr/sbin/dminfo mode=0555
1329 file path=usr/sbin/dumpadm mode=0555
1330 file path=usr/sbin/eeprom group=sys mode=2555
1331 file path=usr/sbin/ff mode=0555
1332 file path=usr/sbin/fmthard group=sys mode=0555
1333 file path=usr/sbin/format mode=0555
1334 file path=usr/sbin/fsck mode=0555
1335 file path=usr/sbin/fstyp group=sys mode=0555
1336 file path=usr/sbin/fuser mode=0555
1337 file path=usr/sbin/getdevpolicy group=sys mode=0555
1338 file path=usr/sbin/getmajor group=sys mode=0755
1339 file path=usr/sbin/groupadd group=sys mode=0555
1340 file path=usr/sbin/groupdel group=sys mode=0555
1341 file path=usr/sbin/groupmod group=sys mode=0555
1342 file path=usr/sbin/grpck mode=0555
1343 file path=usr/sbin/halt mode=0755
1344 file path=usr/sbin/hotplug mode=0555
1345 file path=usr/sbin/idmap mode=0555
1346 file path=usr/sbin/if_mpadm mode=0555
1347 file path=usr/sbin/ikeadm mode=0555
1348 file path=usr/sbin/ikecert mode=0555
1349 file path=usr/sbin/inetadm mode=0555
1350 file path=usr/sbin/inetconv mode=0555
1351 file path=usr/sbin/install mode=0555
1352 file path=usr/sbin/installboot group=sys mode=0555
1353 file path=usr/sbin/ipaddrsel mode=0555
1354 file path=usr/sbin/ipsecalgs mode=0555
1355 file path=usr/sbin/ipsecconf mode=0555
1356 file path=usr/sbin/ipseckey mode=0555
1357 file path=usr/sbin/keyserv group=sys mode=0555
1358 file path=usr/sbin/killall mode=0555
1359 file path=usr/sbin/ksslcfg mode=0555
1360 file path=usr/sbin/link mode=0555
1361 file path=usr/sbin/locator mode=0555
1362 file path=usr/sbin/lofiadm mode=0555
1363 file path=usr/sbin/logadm mode=0555
1364 file path=usr/sbin/makedbm mode=0555
1365 file path=usr/sbin/mkdevalloc mode=0555
1366 file path=usr/sbin/mkfile mode=0555
1367 file path=usr/sbin/mknod mode=0555
1368 file path=usr/sbin/mountall group=sys mode=0555
1369 file path=usr/sbin/msgid mode=0555
1370 file path=usr/sbin/mvdir mode=0555
1371 file path=usr/sbin/ndd mode=0555
1372 file path=usr/sbin/nlsadmin group=adm mode=0755
1373 file path=usr/sbin/nscd mode=0555
1374 file path=usr/sbin/nwamadm mode=0555
1375 file path=usr/sbin/nwamcfg mode=0555
1376 file path=usr/sbin/pmadm group=sys mode=0555
1377 file path=usr/sbin/praudit mode=0555
1378 $(i386_ONLY)file path=usr/sbin/prtdiag group=sys mode=2755
1379 file path=usr/sbin/prtvtoc group=sys mode=0555
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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
1441 file path=usr/share/doc/ksh/images/tag_bourne.png
1442 file path=usr/share/doc/ksh/images/tag_i18n.png
1443 file path=usr/share/doc/ksh/images/tag_ksh.png
1444 file path=usr/share/doc/ksh/images/tag_ksh88.png
1445 file path=usr/share/doc/ksh/images/tag_ksh93.png
```

```
1446 file path=usr/share/doc/ksh/images/tag_l10n.png
1447 file path=usr/share/doc/ksh/images/tag_perf.png
1448 file path=usr/share/doc/ksh/shell_styleguide.docbook
1449 file path=usr/share/doc/ksh/shell_styleguide.html
1450 file path=usr/share/lib/mailx/mailx.help
1451 file path=usr/share/lib/mailx/mailx.help.~
1452 file path=usr/share/lib/tabset/3101
1453 file path=usr/share/lib/tabset/beehive
1454 file path=usr/share/lib/tabset/hds
1455 file path=usr/share/lib/tabset/hds3
1456 file path=usr/share/lib/tabset/std
1457 file path=usr/share/lib/tabset/stdcrt
1458 file path=usr/share/lib/tabset/teleray
1459 file path=usr/share/lib/tabset/vt100
1460 file path=usr/share/lib/tabset/wyse-adds
1461 file path=usr/share/lib/tabset/xerox1720
1462 file path=usr/share/lib/termcap
1463 file path=usr/share/lib/unittab
1464 file path=usr/share/lib/xml/dtd/adt_record.dtd.1
1465 file path=usr/share/lib/xml/dtd/kmfpolicy.dtd
1466 file path=usr/share/lib/xml/dtd/service_bundle.dtd.1 group=sys
1467 file path=usr/share/lib/xml/style/adt_record.xsl.1
1468 file path=var/adm/aculog mode=0600 owner=uucp preserve=true
1469 file path=var/adm/spellhist mode=0666 preserve=true
1470 file path=var/adm/utmpx preserve=true
1471 file path=var/adm/wtmpx group=adm owner=adm preserve=true
1472 file path=var/log/authlog group=sys mode=0600 preserve=true
1473 file path=var/log/syslog group=sys preserve=true
1474 file path=var/sadm/system/admin/default_java group=sys mode=0444
1475 file path=var/saf/zsmon/log group=sys preserve=true
1476 file path=var/spool/cron/crontabs/adm group=sys mode=0600 preserve=true
1477 file path=var/spool/cron/crontabs/root group=sys mode=0600 preserve=true
1478 hardlink path=etc/rc2.d/S20sysetup target=../../etc/init.d/sysetup
1479 hardlink path=etc/rc2.d/S73cachefs.daemon \
1480     target=../../etc/init.d/cachefs.daemon
1481 hardlink path=etc/rc2.d/S89PRESERVE target=../../etc/init.d/PRESERVE
1482 $(sparc_ONLY)hardlink path=etc/svc/profile/platform_SUNW,Sun-Fire-V890.xml \
1483     target=./platform_SUNW,Sun-Fire-880.xml
1484 $(sparc_ONLY)hardlink \
1485     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-40.xml \
1486     target=./platform_SUNW,UltraSPARC-IIi-Netract.xml
1487 $(sparc_ONLY)hardlink \
1488     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-60.xml \
1489     target=./platform_SUNW,UltraSPARC-IIi-Netract.xml
1490 hardlink path=sbin/rc5 target=../sbin/rc0
1491 hardlink path=sbin/rc6 target=../sbin/rc0
1492 hardlink path=usr/bin/$(ARCH32)/encrypt target=decrypt
1493 hardlink path=usr/bin/$(ARCH32)/ksh target=ksh93
1494 hardlink path=usr/bin/$(ARCH32)/mac target=digest
1495 hardlink path=usr/bin/$(ARCH32)/rksh target=ksh93
1496 hardlink path=usr/bin/$(ARCH32)/rksh93 target=ksh93
1497 $(i386_ONLY)hardlink path=usr/bin/$(ARCH32)/w target=uptime
1498 hardlink path=usr/bin/$(ARCH64)/encrypt target=decrypt
1499 hardlink path=usr/bin/$(ARCH64)/ksh target=ksh93
1500 hardlink path=usr/bin/$(ARCH64)/mac target=digest
1501 hardlink path=usr/bin/$(ARCH64)/rksh target=ksh93
1502 hardlink path=usr/bin/$(ARCH64)/rksh93 target=ksh93
1503 hardlink path=usr/bin/$(ARCH64)/w target=uptime
1504 hardlink path=usr/bin/bg target=../../usr/bin/alias
1505 hardlink path=usr/bin/cd target=../../usr/bin/alias
1506 hardlink path=usr/bin/cksum target=../../usr/bin/alias
1507 hardlink path=usr/bin/cmp target=../../usr/bin/alias
1508 hardlink path=usr/bin/comm target=../../usr/bin/alias
1509 hardlink path=usr/bin/command target=../../usr/bin/alias
1510 hardlink path=usr/bin/cut target=../../usr/bin/alias
1511 hardlink path=usr/bin/decrypt target=../../usr/lib/isaexec
```

```
1512 hardlink path=usr/bin/digest target=../../usr/lib/isaexec
1513 hardlink path=usr/bin/dispgid target=../../usr/bin/ckgid
1514 hardlink path=usr/bin/dispuid target=../../usr/bin/ckuid
1515 hardlink path=usr/bin/edit target=../has/bin/edit
1516 hardlink path=usr/bin/encrypt target=../../usr/lib/isaexec
1517 hardlink path=usr/bin/fc target=../../usr/bin/alias
1518 hardlink path=usr/bin/fg target=../../usr/bin/alias
1519 hardlink path=usr/bin/getopts target=../../usr/bin/alias
1520 hardlink path=usr/bin/hash target=../../usr/bin/alias
1521 hardlink path=usr/bin/i386 target=../../usr/bin/i286
1522 hardlink path=usr/bin/i486 target=../../usr/bin/i286
1523 hardlink path=usr/bin/i860 target=../../usr/bin/i286
1524 hardlink path=usr/bin/i86pc target=../../usr/bin/i286
1525 hardlink path=usr/bin/iAPX286 target=../../usr/bin/i286
1526 hardlink path=usr/bin/jobs target=../../usr/bin/alias
1527 hardlink path=usr/bin/join target=../../usr/bin/alias
1528 hardlink path=usr/bin/kill target=../../usr/bin/alias
1529 hardlink path=usr/bin/ksh target=../../usr/lib/isaexec
1530 hardlink path=usr/bin/ksh93 target=../../usr/lib/isaexec
1531 hardlink path=usr/bin/ln target=../../usr/bin/cp
1532 hardlink path=usr/bin/logname target=../../usr/bin/alias
1533 hardlink path=usr/bin/m68k target=../../usr/bin/i286
1534 hardlink path=usr/bin/mac target=../../usr/lib/isaexec
1535 hardlink path=usr/bin/mc68000 target=../../usr/bin/i286
1536 hardlink path=usr/bin/mc68010 target=../../usr/bin/i286
1537 hardlink path=usr/bin/mc68020 target=../../usr/bin/i286
1538 hardlink path=usr/bin/mc68030 target=../../usr/bin/i286
1539 hardlink path=usr/bin/mc68040 target=../../usr/bin/i286
1540 hardlink path=usr/bin/mv target=../../usr/bin/cp
1541 hardlink path=usr/bin/newtask target=../../usr/lib/isaexec
1542 hardlink path=usr/bin/nohup target=../../usr/lib/isaexec
1543 hardlink path=usr/bin/page target=../../usr/bin/more
1544 hardlink path=usr/bin/paste target=../../usr/bin/alias
1545 hardlink path=usr/bin/pdp11 target=../../usr/bin/i286
1546 hardlink path=usr/bin/pfbash target=../../usr/bin/pfexec
1547 hardlink path=usr/bin/pfcsh target=../../usr/bin/pfexec
1548 hardlink path=usr/bin/pfksh target=../../usr/bin/pfexec
1549 hardlink path=usr/bin/pfksh93 target=../../usr/bin/pfexec
1550 hardlink path=usr/bin/pfrksh target=../../usr/bin/pfexec
1551 hardlink path=usr/bin/pfrksh93 target=../../usr/bin/pfexec
1552 hardlink path=usr/bin/pfsh target=../../usr/bin/pfexec
1553 hardlink path=usr/bin/pftcsh target=../../usr/bin/pfexec
1554 hardlink path=usr/bin/pfzsh target=../../usr/bin/pfexec
1555 hardlink path=usr/bin/pkill target=../../usr/bin/pgrep
1556 hardlink path=usr/bin/prctl target=../../usr/lib/isaexec
1557 hardlink path=usr/bin/print target=../../usr/bin/alias
1558 hardlink path=usr/bin/prstat target=../../usr/lib/isaexec
1559 hardlink path=usr/bin/ps target=../../usr/lib/isaexec
1560 hardlink path=usr/bin/read target=../../usr/bin/alias
1561 hardlink path=usr/bin/red target=../../usr/bin/ed
1562 hardlink path=usr/bin/rev target=../../usr/bin/alias
1563 hardlink path=usr/bin/rksh target=../../usr/lib/isaexec
1564 hardlink path=usr/bin/rksh93 target=../../usr/lib/isaexec
1565 hardlink path=usr/bin/savecore target=../../usr/lib/isaexec
1566 hardlink path=usr/bin/setuname target=../../usr/lib/isaexec
1567 hardlink path=usr/bin/sleep target=../../usr/bin/alias
1568 hardlink path=usr/bin/sparc target=../../usr/bin/i286
1569 hardlink path=usr/bin/sum target=../../usr/bin/alias
1570 hardlink path=usr/bin/sun target=../../usr/bin/i286
1571 hardlink path=usr/bin/sun2 target=../../usr/bin/i286
1572 hardlink path=usr/bin/sun3 target=../../usr/bin/i286
1573 hardlink path=usr/bin/sun3x target=../../usr/bin/i286
1574 hardlink path=usr/bin/sun4 target=../../usr/bin/i286
1575 hardlink path=usr/bin/sun4c target=../../usr/bin/i286
1576 hardlink path=usr/bin/sun4d target=../../usr/bin/i286
1577 hardlink path=usr/bin/sun4e target=../../usr/bin/i286
```

```
1578 hardlink path=usr/bin/sun4m target=../../usr/bin/i286
1579 hardlink path=usr/bin/tee target=../../usr/bin/alias
1580 hardlink path=usr/bin/test target=../../usr/bin/alias
1581 hardlink path=usr/bin/touch target=../../usr/bin/settime
1582 hardlink path=usr/bin/type target=../../usr/bin/alias
1583 hardlink path=usr/bin/u370 target=../../usr/bin/i286
1584 hardlink path=usr/bin/u3b target=../../usr/bin/i286
1585 hardlink path=usr/bin/u3b15 target=../../usr/bin/i286
1586 hardlink path=usr/bin/u3b2 target=../../usr/bin/i286
1587 hardlink path=usr/bin/u3b5 target=../../usr/bin/i286
1588 hardlink path=usr/bin/ulimit target=../../usr/bin/alias
1589 hardlink path=usr/bin/umask target=../../usr/bin/alias
1590 hardlink path=usr/bin/unalias target=../../usr/bin/alias
1591 hardlink path=usr/bin/uniq target=../../usr/bin/alias
1592 hardlink path=usr/bin/uptime target=../../usr/lib/isaexec
1593 hardlink path=usr/bin/vax target=../../usr/bin/i286
1594 hardlink path=usr/bin/vedit target=../has/bin/edit
1595 hardlink path=usr/bin/w target=../../usr/lib/isaexec
1596 hardlink path=usr/bin/wait target=../../usr/bin/alias
1597 hardlink path=usr/bin/wc target=../../usr/bin/alias
1598 hardlink path=usr/has/bin/ex target=edit
1599 hardlink path=usr/has/bin/pfsh target=../../bin/pfexec
1600 hardlink path=usr/has/bin/vedit target=edit
1601 hardlink path=usr/has/bin/vi target=edit
1602 hardlink path=usr/has/bin/view target=edit
1603 hardlink path=usr/lib/fs/hsfs/fstyp target=../../../sbin/fstyp
1604 hardlink path=usr/lib/fs/ufs/dcopy target=../../../../usr/lib/fs/ufs/clri
1605 hardlink path=usr/lib/fs/ufs/fstyp target=../../../sbin/fstyp
1606 hardlink path=usr/lib/fs/ufs/quotaon \
1607     target=../../../../usr/lib/fs/ufs/quotaoff
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/helprange target=../../../usr/bin/ckrange
1627 hardlink path=usr/sadm/bin/helpstr target=../../../usr/bin/ckstr
1628 hardlink path=usr/sadm/bin/helptime target=../../../usr/bin/cktime
1629 hardlink path=usr/sadm/bin/helpuid target=../../../usr/bin/ckuid
1630 hardlink path=usr/sadm/bin/helpyorn target=../../../usr/bin/ckyorn
1631 hardlink path=usr/sadm/bin/valdate target=../../../usr/bin/ckdate
1632 hardlink path=usr/sadm/bin/valgid target=../../../usr/bin/ckgid
1633 hardlink path=usr/sadm/bin/valint target=../../../usr/bin/ckint
1634 hardlink path=usr/sadm/bin/valpath target=../../../usr/bin/ckpath
1635 hardlink path=usr/sadm/bin/valrange target=../../../usr/bin/ckrange
1636 hardlink path=usr/sadm/bin/valstr target=../../../usr/bin/ckstr
1637 hardlink path=usr/sadm/bin/valtime target=../../../usr/bin/cktime
1638 hardlink path=usr/sadm/bin/valuid target=../../../usr/bin/ckuid
1639 hardlink path=usr/sadm/bin/valyorn target=../../../usr/bin/ckyorn
1640 hardlink path=usr/sbin/add_drv target=../../usr/lib/isaexec
1641 hardlink path=usr/sbin/audlinks target=./devfsadm
1642 hardlink path=usr/sbin/consadmd 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/cron/THIRDPARTYLICENSE \
1696     license=usr/src/cmd/cron/THIRDPARTYLICENSE
1697 license usr/src/cmd/csh/THIRDPARTYLICENSE \
1698     license=usr/src/cmd/csh/THIRDPARTYLICENSE
1699 license usr/src/cmd/eeprom/THIRDPARTYLICENSE \
1700     license=usr/src/cmd/eeprom/THIRDPARTYLICENSE
1701 license usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE \
1702     license=usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE
1703 license usr/src/cmd/mt/THIRDPARTYLICENSE \
1704     license=usr/src/cmd/mt/THIRDPARTYLICENSE
1705 license usr/src/cmd/script/THIRDPARTYLICENSE \
1706     license=usr/src/cmd/script/THIRDPARTYLICENSE
1707 license usr/src/cmd/sed/THIRDPARTYLICENSE \
1708     license=usr/src/cmd/sed/THIRDPARTYLICENSE
1709 license usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE \
```

```
1710      license=usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE
1711 license usr/src/cmd/tail/THIRDPARTYLICENSE \
1712      license=usr/src/cmd/tail/THIRDPARTYLICENSE
1713 license usr/src/cmd/tip/THIRDPARTYLICENSE \
1714      license=usr/src/cmd/tip/THIRDPARTYLICENSE
1715 license usr/src/cmd/tr/THIRDPARTYLICENSE \
1716      license=usr/src/cmd/tr/THIRDPARTYLICENSE
1717 license usr/src/cmd/vi/THIRDPARTYLICENSE \
1718      license=usr/src/cmd/vi/THIRDPARTYLICENSE
1719 license usr/src/cmd/which/THIRDPARTYLICENSE \
1720      license=usr/src/cmd/which/THIRDPARTYLICENSE
1721 license usr/src/cmd/xstr/THIRDPARTYLICENSE \
1722      license=usr/src/cmd/xstr/THIRDPARTYLICENSE
1723 license usr/src/common/bzip2/LICENSE license=usr/src/common/bzip2/LICENSE
1724 link path=bin target=./usr/bin
1725 link path=etc/TIMEZONE target=./default/init
1726 link path=etc/autopush target=../sbin/autopush
1727 link path=etc/cfgadm target=../usr/sbin/cfgadm
1728 link path=etc/clri target=../usr/sbin/clri
1729 link path=etc/cron target=../usr/sbin/cron
1730 link path=etc/dcopy target=../usr/sbin/dcopy
1731 link path=etc/ff target=../usr/sbin/ff
1732 link path=etc/fmthard target=../usr/sbin/fmthard
1733 link path=etc/format target=../usr/sbin/format
1734 link path=etc/fsck target=../usr/sbin/fsck
1735 link path=etc/fsdb target=../usr/sbin/fsdb
1736 link path=etc/fstyp target=../usr/sbin/fstyp
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=../usr/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/prtvtoc target=../usr/sbin/prtvtoc
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/devfsadmd 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/cachefswssize target=../lib/fs/cachefs/cachefswssize
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 $(i386_ONLY)link path=usr/sbin/installgrub target=../../sbin/installgrub
1851 link path=usr/sbin/ipadm target=../../sbin/ipadm
1852 link path=usr/sbin/ipmpstat target=../../sbin/ipmpstat
1853 link path=usr/sbin/labelit target=./clri
1854 link path=usr/sbin/lockfs target=../lib/fs/ufs/lockfs
1855 link path=usr/sbin/mkfs target=./clri
1856 link path=usr/sbin/mount target=../../sbin/mount
1857 link path=usr/sbin/ncheck target=./ff
1858 link path=usr/sbin/newfs target=../lib/fs/ufs/newfs
1859 link path=usr/sbin/quot target=../lib/fs/ufs/quot
1860 link path=usr/sbin/quota target=../lib/fs/ufs/quota
1861 link path=usr/sbin/quotacheck target=../lib/fs/ufs/quotacheck
1862 link path=usr/sbin/quotaoff target=../lib/fs/ufs/quotaoff
1863 link path=usr/sbin/quotaon target=../lib/fs/ufs/quotaon
1864 link path=usr/sbin/repquota target=../lib/fs/ufs/repquota
1865 link path=usr/sbin/route target=../../sbin/route
1866 link path=usr/sbin/routeadm target=../../sbin/routeadm
1867 link path=usr/sbin/sync target=../../sbin/sync
1868 link path=usr/sbin/tunefs target=../lib/fs/ufs/tunefs
1869 link path=usr/sbin/tzreload target=../../sbin/tzreload
1870 link path=usr/sbin/uadmin target=../../sbin/uadmin
1871 link path=usr/sbin/ufsdump target=../lib/fs/ufs/ufsdump
1872 link path=usr/sbin/ufsrestore target=../lib/fs/ufs/ufsrestore
1873 link path=usr/sbin/umount target=../../sbin/umount
1874 link path=usr/sbin/wusbadm target=../../sbin/wusbadm
1875 link path=usr/spool target=../var/spool
1876 link path=usr/src target=./share/src
1877 link path=usr/tmp target=../var/tmp
1878 link path=var/ld/32 target=.
1879 link path=var/ld/64 target=$(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**
1887 *depend fmri=runtime/perl-510 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
```

```
**********************************************************
    2222 Mon Jun  2 17:29:32 2014
new/usr/src/pkg/manifests/developer-appcert.mf
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
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   26 set name=pkg.fmri value=pkg:/developer/appcert@$(PKGVERS)
   27 set name=pkg.description \
   28     value="Appcert utility for application ABI stability checking"
   29 set name=pkg.summary value="ABI Application Certification Tools"
   30 set name=info.classification \
   31     value="org.opensolaris.category.2008:System/Software Management"
   32 set name=variant.arch value=$(ARCH)
   33 dir path=usr group=sys
   34 dir path=usr/bin
   35 dir path=usr/lib
   36 dir path=usr/lib/abi
   37 dir path=usr/lib/abi/appcert
   38 dir path=usr/share/man
   39 dir path=usr/share/man/man1
   40 file path=usr/bin/appcert mode=0555
   41 file path=usr/lib/abi/appcert/AppcertUtil.pm mode=0555
   42 file path=usr/lib/abi/appcert/abi_index mode=0555
   43 file path=usr/lib/abi/appcert/etc.alt mode=0444
   44 file path=usr/lib/abi/appcert/etc.scoped mode=0444
   45 file path=usr/lib/abi/appcert/etc.tweaks mode=0444
   46 file path=usr/lib/abi/appcert/etc.warn mode=0444
   47 file path=usr/lib/abi/appcert/static_prof mode=0555
   48 file path=usr/lib/abi/appcert/symcheck mode=0555
   49 file path=usr/lib/abi/appcert/symprof mode=0555
   50 file path=usr/lib/abi/appcert/symreport mode=0555
   51 file path=usr/share/man/man1/appcert.1
   52 legacy pkg=SUNWapct \
   53     desc="Appcert utility for application ABI stability checking" \
   54     name="ABI Application Certification Tools"
   55 license cr_Sun license=cr_Sun
   56 license lic_CDDL license=lic_CDDL
   57 depend fmri=runtime/perl-$(PERL_PKGVERS) type=require
   57 depend fmri=runtime/perl-510 type=require
```

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   17 # information: Portions Copyright [yyyy] [name of copyright owner]
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   24 #

   26 set name=pkg.fmri value=pkg:/developer/object-file@$(PKGVERS)
   27 set name=pkg.description \
   28   value="software development utilities, including ar, dis, dump, elfdump, elf
   29 set name=pkg.summary value="CCS tools bundled with SunOS"
   30 set name=info.classification value=org.opensolaris.category.2008:System/Core
   31 set name=variant.arch value=$(ARCH)
   32 dir path=usr group=sys
   33 dir path=usr/bin
   34 dir path=usr/bin/$(ARCH64)
   35 dir path=usr/ccs
   36 dir path=usr/ccs/bin
   37 dir path=usr/ccs/bin/$(ARCH64)
   38 dir path=usr/ccs/lib
   39 dir path=usr/lib
   40 dir path=usr/lib/$(ARCH64)
   41 dir path=usr/lib/elfedit
   42 dir path=usr/lib/elfedit/$(ARCH64)
   43 dir path=usr/share
   44 dir path=usr/share/lib
   45 dir path=usr/share/lib/ccs
   46 dir path=usr/share/man/man1
   47 file path=usr/bin/$(ARCH64)/ar mode=0555
   48 file path=usr/bin/$(ARCH64)/dump mode=0555
   49 file path=usr/bin/$(ARCH64)/elfdump mode=0555
   50 file path=usr/bin/$(ARCH64)/elfedit mode=0555
   51 file path=usr/bin/$(ARCH64)/mcs mode=0555
   52 file path=usr/bin/$(ARCH64)/nm mode=0555
   53 file path=usr/bin/$(ARCH64)/size mode=0555
   54 file path=usr/bin/ar mode=0555
   55 file path=usr/bin/dis mode=0555
   56 file path=usr/bin/dump mode=0555
   57 file path=usr/bin/elfdump mode=0555
   58 file path=usr/bin/elfedit mode=0555
   59 file path=usr/bin/error mode=0555

   60 file path=usr/bin/gprof mode=0555
   61 file path=usr/bin/lari mode=0555
   62 file path=usr/bin/lex mode=0555
   63 file path=usr/bin/lorder mode=0555
   64 file path=usr/bin/mcs mode=0555
   65 file path=usr/bin/nm mode=0555
   66 file path=usr/bin/prof mode=0555
   67 file path=usr/bin/ranlib mode=0555
   68 file path=usr/bin/rpcgen mode=0555
   69 file path=usr/bin/size mode=0555
   70 file path=usr/bin/symorder mode=0555
   71 file path=usr/bin/tsort mode=0555
   72 file path=usr/bin/unifdef mode=0555
   73 file path=usr/bin/yacc mode=0555
   74 file path=usr/lib/$(ARCH64)/llib-ll.ln
   75 file path=usr/lib/$(ARCH64)/llib-ly.ln
   76 file path=usr/lib/elfedit/$(ARCH64)/cap.so
   77 file path=usr/lib/elfedit/$(ARCH64)/dyn.so
   78 file path=usr/lib/elfedit/$(ARCH64)/ehdr.so
   79 file path=usr/lib/elfedit/$(ARCH64)/phdr.so
   80 file path=usr/lib/elfedit/$(ARCH64)/shdr.so
   81 file path=usr/lib/elfedit/$(ARCH64)/str.so
   82 file path=usr/lib/elfedit/$(ARCH64)/sym.so
   83 file path=usr/lib/elfedit/$(ARCH64)/syminfo.so
   84 file path=usr/lib/elfedit/cap.so
   85 file path=usr/lib/elfedit/dyn.so
   86 file path=usr/lib/elfedit/ehdr.so
   87 file path=usr/lib/elfedit/phdr.so
   88 file path=usr/lib/elfedit/shdr.so
   89 file path=usr/lib/elfedit/str.so
   90 file path=usr/lib/elfedit/sym.so
   91 file path=usr/lib/elfedit/syminfo.so
   92 file path=usr/lib/llib-ll
   93 file path=usr/lib/llib-ll.ln
   94 file path=usr/lib/llib-ly
   95 file path=usr/lib/llib-ly.ln
   96 file path=usr/share/lib/ccs/gprof.callg.blurb mode=0444
   97 file path=usr/share/lib/ccs/gprof.flat.blurb mode=0444
   98 file path=usr/share/lib/ccs/nceucform
   99 file path=usr/share/lib/ccs/ncform
  100 file path=usr/share/lib/ccs/nrform
  101 file path=usr/share/lib/ccs/yaccpar
  102 file path=usr/share/man/man1/ar.1
  103 file path=usr/share/man/man1/dis.1
  104 file path=usr/share/man/man1/dump.1
  105 file path=usr/share/man/man1/elfdump.1
  106 file path=usr/share/man/man1/elfedit.1
  107 file path=usr/share/man/man1/gprof.1
  108 file path=usr/share/man/man1/lari.1
  109 file path=usr/share/man/man1/lex.1
  110 file path=usr/share/man/man1/lorder.1
  111 file path=usr/share/man/man1/mcs.1
  112 file path=usr/share/man/man1/nm.1
  113 file path=usr/share/man/man1/prof.1
  114 file path=usr/share/man/man1/ranlib.1
  115 file path=usr/share/man/man1/rpcgen.1
  116 file path=usr/share/man/man1/size.1
  117 file path=usr/share/man/man1/strip.1
  118 file path=usr/share/man/man1/symorder.1
  119 file path=usr/share/man/man1/tsort.1
  120 file path=usr/share/man/man1/unifdef.1
  121 file path=usr/share/man/man1/yacc.1
  122 hardlink path=usr/bin/$(ARCH64)/strip target=../../bin/$(ARCH64)/mcs
  123 hardlink path=usr/bin/strip target=../bin/mcs
  124 legacy pkg=SUNWbtool \
  125   desc="software development utilities, including ar, dis, dump, elfdump, elfe

```
126      name="CCS tools bundled with SunOS"
127 license cr_Sun license=cr_Sun
128 license lic_CDDL license=lic_CDDL
129 license usr/src/cmd/backup/dump/THIRDPARTYLICENSE \
130      license=usr/src/cmd/backup/dump/THIRDPARTYLICENSE
131 link path=usr/ccs/bin/$(ARCH64)/ar target=../../../bin/$(ARCH64)/ar
132 link path=usr/ccs/bin/$(ARCH64)/dump target=../../../bin/$(ARCH64)/dump
133 link path=usr/ccs/bin/$(ARCH64)/elfdump target=../../../bin/$(ARCH64)/elfdump
134 link path=usr/ccs/bin/$(ARCH64)/mcs target=../../../bin/$(ARCH64)/mcs
135 link path=usr/ccs/bin/$(ARCH64)/nm target=../../../bin/$(ARCH64)/nm
136 link path=usr/ccs/bin/$(ARCH64)/size target=../../../bin/$(ARCH64)/size
137 link path=usr/ccs/bin/$(ARCH64)/strip target=../../../bin/$(ARCH64)/strip
138 link path=usr/ccs/bin/ar target=../../bin/ar
139 link path=usr/ccs/bin/dis target=../../bin/dis
140 link path=usr/ccs/bin/dump target=../../bin/dump
141 link path=usr/ccs/bin/elfdump target=../../bin/elfdump
142 link path=usr/ccs/bin/error target=../../bin/error
143 link path=usr/ccs/bin/gprof target=../../bin/gprof
144 link path=usr/ccs/bin/lari target=../../bin/lari
145 link path=usr/ccs/bin/lex target=../../bin/lex
146 link path=usr/ccs/bin/lorder target=../../bin/lorder
147 link path=usr/ccs/bin/mcs target=../../bin/mcs
148 link path=usr/ccs/bin/nm target=../../bin/nm
149 link path=usr/ccs/bin/prof target=../../bin/prof
150 link path=usr/ccs/bin/ranlib target=../../bin/ranlib
151 link path=usr/ccs/bin/size target=../../bin/size
152 link path=usr/ccs/bin/strip target=../../bin/strip
153 link path=usr/ccs/bin/symorder target=../../bin/symorder
154 link path=usr/ccs/bin/tsort target=../../bin/tsort
155 link path=usr/ccs/bin/unifdef target=../../bin/unifdef
156 link path=usr/ccs/bin/yacc target=../../bin/yacc
157 link path=usr/ccs/bin/yaccpar target=../../share/lib/ccs/yaccpar
158 link path=usr/ccs/lib/llib-ll.ln target=../../lib/llib-ll.ln
159 link path=usr/ccs/lib/llib-ly.ln target=../../lib/llib-ly.ln
160 link path=usr/lib/elfedit/32 target=.
161 link path=usr/lib/elfedit/64 target=$(ARCH64)
162 depend fmri=developer/macro/cpp type=require
163 **depend fmri=runtime/perl-$(PERL_PKGVERS) type=require**
163 *depend fmri=runtime/perl-510 type=require*
```

```
*********************************************************
    3138 Mon Jun  2 17:29:34 2014
new/usr/src/pkg/manifests/developer-opensolaris-osnet.mf
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
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   24 set name=pkg.fmri value=pkg:/developer/opensolaris/osnet@$(PKGVERS)
   25 set name=pkg.description \
   26     value="Dependencies required to build the OS/Net Consolidation."
   27 set name=pkg.summary \
   28     value="Dependencies required to build the OS/Net Consolidation."
   29 set name=info.classification \
   30     value="org.opensolaris.category.2008:Development/Distribution Tools"
   31 set name=org.opensolaris.noincorp value=true
   32 set name=variant.arch value=$(ARCH)
   33 depend fmri=data/docbook@0.5.11-0.133 type=require
   34 depend fmri=developer/astdev@0.5.11-0.133 type=require
   35 depend fmri=developer/build/make@0.5.11-0.133 type=require
   36 depend fmri=developer/build/onbld@0.5.11-0.133 type=require
   37 $(i386_ONLY)depend fmri=developer/gnu-binutils@2.19-0.133 type=require
   38 depend fmri=developer/java/jdk@0.5.11-0.133 type=require
   39 depend fmri=developer/lexer/flex@2.5.35-0.133 type=require
   40 depend fmri=developer/object-file@0.5.11-0.133 type=require
   41 depend fmri=developer/parser/bison@2.3-0.133 type=require
   42 depend fmri=developer/versioning/mercurial@1.3.1-0.133 type=require
   43 depend fmri=library/glib2@0.5.11-0.133 type=require
   44 depend fmri=library/libxml2@2.7.6-0.133 type=require
   45 depend fmri=library/libxslt@0.5.11-0.133 type=require
   46 depend fmri=library/nspr/header-nspr@0.5.11-0.133 type=require
   47 depend fmri=library/perl-5/xml-parser@0.5.11-0.133 type=require
   48 depend fmri=library/security/trousers@0.3.2-0.133 type=require
   49 depend fmri=print/cups@1.4.2-0.133 type=require
   50 depend fmri=print/filter/ghostscript@8.64-0.133 type=require
   51 depend fmri=runtime/perl-$(PERL_PKGVERS)@5.10.0-0.133 type=require
   51 depend fmri=runtime/perl-510/extra@5.10.0-0.133 type=require
   52 depend fmri=runtime/perl-510@5.10.0-0.133 type=require
   52 depend fmri=system/header@0.5.11-0.133 type=require
   53 depend fmri=system/library/dbus@0.5.11-0.133 type=require
   54 depend fmri=system/library/install@0.5.11-0.133 type=require
   55 depend fmri=system/library/libdbus-glib@0.5.11-0.133 type=require
   56 depend fmri=system/library/libdbus@0.5.11-0.133 type=require
   57 depend fmri=system/library/math/header-math@0.5.11-0.133 type=require
```

```
   58 depend fmri=system/library/mozilla-nss/header-nss@0.5.11-0.133 type=require
   59 depend fmri=system/management/product-registry@0.5.11-0.133 type=require
   60 depend fmri=system/management/snmp/net-snmp@5.4.1-0.133 type=require
   61 depend fmri=text/gnu-gettext@0.16.1-0.133 type=require
   62 depend fmri=web/server/apache-13@1.3.41-0.133 type=require
```

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   27 set name=pkg.fmri value=pkg:/print/lp/print-client-commands@$(PKGVERS)
   28 set name=pkg.description \
   29     value="client configuration files and utilities for the print service"
   30 set name=pkg.summary value="Solaris Print - Client"
   31 set name=info.classification \
   32     value=org.opensolaris.category.2008:System/Printing
   33 set name=variant.arch value=$(ARCH)
   34 dir path=usr group=sys
   35 dir path=usr/bin
   36 dir path=usr/lib
   37 dir path=usr/lib/lp group=lp
   38 dir path=usr/lib/lp/bin group=lp
   39 dir path=usr/sbin
   40 dir path=usr/share
   41 dir path=usr/share/applications group=other
   42 dir path=usr/share/gnome group=other
   43 dir path=usr/share/gnome/autostart
   44 dir path=usr/share/man/man1
   45 dir path=usr/share/man/man1m
   46 file path=usr/bin/desktop-print-management-applet mode=0555
   47 file path=usr/lib/lp/bin/desktop-print-management mode=0555
   48 file path=usr/lib/lp/bin/desktop-print-management-applet mode=0555
   49 file path=usr/lib/lp/bin/desktop-print-management-prefs mode=0555
   50 file path=usr/sbin/print-service mode=0555
   51 file path=usr/share/applications/desktop-print-management-prefs.desktop
   52 file path=usr/share/applications/desktop-print-management.desktop
   53 file path=usr/share/gnome/autostart/desktop-print-management-applet.desktop
   54 file path=usr/share/man/man1/cancel.1
   55 file path=usr/share/man/man1/enable.1
   56 file path=usr/share/man/man1/lp.1
   57 file path=usr/share/man/man1/lpstat.1
   58 file path=usr/share/man/man1m/accept.1m
   59 file path=usr/share/man/man1m/lpadmin.1m
```

```
   60 file path=usr/share/man/man1m/lpmove.1m
   61 file path=usr/share/man/man1m/print-service.1m
   62 legacy pkg=SUNWpcu \
   63     desc="client configuration files and utilities for the print service" \
   64     name="Solaris Print - Client, (usr)" version=13.1,REV=2009.11.11
   65 license cr_Sun license=cr_Sun
   66 license lic_CDDL license=lic_CDDL
   67 link path=usr/bin/cancel target=../sbin/print-service
   68 link path=usr/bin/desktop-print-management target=../sbin/print-service
   69 link path=usr/bin/desktop-print-management-prefs target=../sbin/print-service
   70 link path=usr/bin/disable target=../sbin/print-service
   71 link path=usr/bin/enable target=../sbin/print-service
   72 link path=usr/bin/lp target=../sbin/print-service
   73 link path=usr/bin/lpc target=../sbin/print-service
   74 link path=usr/bin/lpq target=../sbin/print-service
   75 link path=usr/bin/lpr target=../sbin/print-service
   76 link path=usr/bin/lprm target=../sbin/print-service
   77 link path=usr/bin/lpstat target=../sbin/print-service
   78 link path=usr/sbin/accept target=./print-service
   79 link path=usr/sbin/lpadmin target=./print-service
   80 link path=usr/sbin/lpmove target=./print-service
   81 link path=usr/sbin/reject target=./print-service
   82 link path=usr/share/man/man1/disable.1 target=enable.1
   83 link path=usr/share/man/man1m/reject.1m target=accept.1m
   84 depend fmri=runtime/perl-$(PERL_PKGVERS) type=require
   84 depend fmri=runtime/perl-510 type=require
```

```
*********************************************************
    4238 Mon Jun  2 17:29:35 2014
new/usr/src/pkg/manifests/runtime-perl-module-sun-solaris.mf
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
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  27 $(i386_ONLY)<transform file dir path=.*PLAT.* -> edit path PLAT i86pc>
  28 $(sparc_ONLY)<transform file dir path=.*PLAT.* -> edit path PLAT sun4>

  30 <transform file path=.*\.(pm|bs) -> default mode 0444>
  31 <transform file path=.*\.so -> default mode 0555>
  32 set name=pkg.fmri \
  33     value=pkg:/runtime/perl-$(PERL_PKGVERS)/module/sun-solaris@0.5.11,$(PKGVERS_
  34 set name=pkg.summary value="Perl $(PERL_VERSION) Sun::Solaris Modules"
  35 set name=info.classification \
  36     value=org.opensolaris.category.2008:Development/Perl
  37 set name=variant.arch value=$(ARCH)
  38 dir path=usr group=sys
  39 dir path=usr/perl5
  40 dir path=usr/perl5/$(PERL_VERSION)
  41 dir path=usr/perl5/$(PERL_VERSION)/lib
  42 dir path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int
  43 dir path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun
  44 dir path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris
  45 dir path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto
  46 dir path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun
  47 dir path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris
  48 dir \
  49     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Intrs
  50 dir \
  51     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Kstat
  52 dir \
  53     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Lgrp
  54 dir \
  55     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Proje
  56 dir \
  57     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Task
  58 dir \
  59     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Utils
```

```
  60 dir path=usr/perl5/$(PERL_VERSION)/lib/Sun
  61 dir path=usr/perl5/$(PERL_VERSION)/lib/Sun/Solaris
  62 dir path=usr/perl5/$(PERL_VERSION)/lib/Sun/Solaris/BSM
  63 dir path=usr/share/man
  64 dir path=usr/share/man/man3perl
  65 file \
  66     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris/Intrs.pm
  67 file \
  68     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris/Kstat.pm
  69 file path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris/Lgrp.pm
  70 file \
  71     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris/Project.pm
  72 file path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris/Task.pm
  73 file \
  74     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/Sun/Solaris/Utils.pm
  75 file \
  76     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Intrs
  77 file \
  78     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Kstat
  79 file \
  80     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Lgrp/
  81 file \
  82     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Proje
  83 file \
  84     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Task/
  85 file \
  86     path=usr/perl5/$(PERL_VERSION)/lib/PLAT-solaris-64int/auto/Sun/Solaris/Utils
  87 file path=usr/perl5/$(PERL_VERSION)/lib/Sun/Solaris/BSM/_BSMparse.pm
  88 file path=usr/perl5/$(PERL_VERSION)/lib/Sun/Solaris/Pg.pm
  89 file path=usr/share/man/man3perl/Kstat.3perl
  90 file path=usr/share/man/man3perl/Lgrp.3perl
  91 file path=usr/share/man/man3perl/Project.3perl
  92 file path=usr/share/man/man3perl/Task.3perl
  93 license cr_Sun license=cr_Sun
  94 license usr/src/cmd/perl/THIRDPARTYLICENSE \
  95     license=usr/src/cmd/perl/THIRDPARTYLICENSE
  96 #endif /* ! codereview */
```

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   27 set name=pkg.fmri \
   28     value=pkg:/service/network/smtp/sendmail@8.14.4,$(PKGVERS_BUILTON)-$(PKGVERS
   29 set name=pkg.description value="Sendmail Utilities"
   30 set name=pkg.summary value=Sendmail
   31 set name=info.classification value=org.opensolaris.category.2008:System/Core
   32 set name=variant.arch value=$(ARCH)
   33 dir path=etc group=sys
   34 dir path=etc/init.d group=sys
   35 dir path=etc/mail group=mail
   36 dir path=etc/mail/cf group=mail
   37 dir path=etc/mail/cf/cf group=mail
   38 dir path=etc/mail/cf/domain group=mail
   39 dir path=etc/mail/cf/feature group=mail
   40 dir path=etc/mail/cf/m4 group=mail
   41 dir path=etc/mail/cf/mailer group=mail
   42 dir path=etc/mail/cf/ostype group=mail
   43 dir path=etc/mail/cf/sh group=mail
   44 dir path=lib
   45 dir path=lib/svc
   46 dir path=lib/svc/manifest group=sys
   47 dir path=lib/svc/manifest/network group=sys
   48 dir path=lib/svc/method
   49 dir path=lib/svc/share
   50 dir path=usr group=sys
   51 dir path=usr/bin
   52 dir path=usr/include
   53 dir path=usr/include/libmilter
   54 dir path=usr/lib
   55 dir path=usr/lib/help
   56 dir path=usr/lib/help/auths
   57 dir path=usr/lib/help/auths/locale
   58 dir path=usr/lib/help/auths/locale/C
   59 dir path=usr/sbin
```

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

```
126 file path=etc/mail/cf/feature/ratecontrol.m4 group=mail mode=0444
127 file path=etc/mail/cf/feature/redirect.m4 group=mail mode=0444
128 file path=etc/mail/cf/feature/relay_based_on_MX.m4 group=mail mode=0444
129 file path=etc/mail/cf/feature/relay_entire_domain.m4 group=mail mode=0444
130 file path=etc/mail/cf/feature/relay_hosts_only.m4 group=mail mode=0444
131 file path=etc/mail/cf/feature/relay_local_from.m4 group=mail mode=0444
132 file path=etc/mail/cf/feature/relay_mail_from.m4 group=mail mode=0444
133 file path=etc/mail/cf/feature/require_rdns.m4 group=mail mode=0444
134 file path=etc/mail/cf/feature/smrsh.m4 group=mail mode=0444
135 file path=etc/mail/cf/feature/stickyhost.m4 group=mail mode=0444
136 file path=etc/mail/cf/feature/use_client_ptr.m4 group=mail mode=0444
137 file path=etc/mail/cf/feature/use_ct_file.m4 group=mail mode=0444
138 file path=etc/mail/cf/feature/use_cw_file.m4 group=mail mode=0444
139 file path=etc/mail/cf/feature/uucpdomain.m4 group=mail mode=0444
140 file path=etc/mail/cf/feature/virtuser_entire_domain.m4 group=mail mode=0444
141 file path=etc/mail/cf/feature/virtusertable.m4 group=mail mode=0444
142 file path=etc/mail/cf/m4/cf.m4 group=mail mode=0444
143 file path=etc/mail/cf/m4/cfhead.m4 group=mail mode=0444
144 file path=etc/mail/cf/m4/proto.m4 group=mail mode=0444
145 file path=etc/mail/cf/m4/version.m4 group=mail mode=0444
146 file path=etc/mail/cf/mailer/local.m4 group=mail mode=0444
147 file path=etc/mail/cf/mailer/procmail.m4 group=mail mode=0444
148 file path=etc/mail/cf/mailer/smtp.m4 group=mail mode=0444
149 file path=etc/mail/cf/mailer/uucp.m4 group=mail mode=0444
150 file path=etc/mail/cf/ostype/solaris2.m4 group=mail mode=0444
151 file path=etc/mail/cf/ostype/solaris2.ml.m4 group=mail mode=0444
152 file path=etc/mail/cf/ostype/solaris2.pre5.m4 group=mail mode=0444
153 file path=etc/mail/cf/ostype/solaris8.m4 group=mail mode=0444
154 file path=etc/mail/cf/sh/makeinfo.sh group=mail mode=0444
155 file path=etc/mail/helpfile
156 file path=etc/mail/local-host-names \
157     original_name=SUNWsndm:etc/mail/local-host-names preserve=true
158 file path=etc/mail/sendmail.cf mode=0444 \
159     original_name=SUNWsndm:etc/mail/sendmail.cf preserve=renameold
160 file path=etc/mail/submit.cf mode=0444 \
161     original_name=SUNWsndm:etc/mail/submit.cf preserve=renameold
162 file path=etc/mail/trusted-users original_name=SUNWsndm:etc/mail/trusted-users \
163     preserve=true
164 file path=lib/svc/manifest/network/sendmail-client.xml group=sys mode=0444
165 file path=lib/svc/manifest/network/smtp-sendmail.xml group=sys mode=0444
166 file path=lib/svc/method/sendmail-client mode=0555
167 file path=lib/svc/method/smtp-sendmail mode=0555
168 file path=lib/svc/share/sendmail_include.sh mode=0444
169 file path=usr/bin/mailcompat mode=0555
170 file path=usr/bin/mailq mode=4555
171 file path=usr/bin/mailstats mode=0555
172 file path=usr/bin/mconnect mode=0555
173 file path=usr/bin/praliases mode=0555
174 file path=usr/bin/vacation mode=0555
175 file path=usr/include/libmilter/README
176 file path=usr/include/libmilter/mfapi.h
177 file path=usr/include/libmilter/mfdef.h
178 file path=usr/lib/help/auths/locale/C/MailHeader.html
179 file path=usr/lib/help/auths/locale/C/MailQueue.html
180 file path=usr/lib/libmilter.so.1
181 file path=usr/lib/llib-lmilter
182 file path=usr/lib/llib-lmilter.ln
183 file path=usr/lib/mail.local mode=0555
184 file path=usr/lib/sendmail group=smmsp mode=2555
185 file path=usr/lib/smrsh mode=0555
186 file path=usr/sbin/check-hostname group=mail mode=0555
187 file path=usr/sbin/check-permissions group=mail mode=0555
188 file path=usr/sbin/editmap mode=0555
189 file path=usr/sbin/etrn mode=0555
190 file path=usr/sbin/makemap mode=0555
191 file path=usr/share/man/man1/mailcompat.1
```

```
192 file path=usr/share/man/man1/mailq.1
193 file path=usr/share/man/man1/mailstats.1
194 file path=usr/share/man/man1/mconnect.1
195 file path=usr/share/man/man1/praliases.1
196 file path=usr/share/man/man1/vacation.1
197 file path=usr/share/man/man1m/check-hostname.1m
198 file path=usr/share/man/man1m/check-permissions.1m
199 file path=usr/share/man/man1m/editmap.1m
200 file path=usr/share/man/man1m/etrn.1m
201 file path=usr/share/man/man1m/makemap.1m
202 file path=usr/share/man/man1m/newaliases.1m
203 file path=usr/share/man/man1m/sendmail.1m
204 file path=usr/share/man/man1m/smrsh.1m
205 file path=usr/share/man/man4/alias.4
206 file path=usr/share/man/man4/aliases.4
207 file path=usr/share/man/man4/sendmail.4
208 legacy pkg=SUNWsndmr desc="Sendmail Configuration Files" \
209     name="Sendmail (root)"
210 legacy pkg=SUNWsndmu desc="Sendmail Utilities" name="Sendmail (/usr)"
211 license cr_Sun license=cr_Sun
212 license lic_CDDL license=lic_CDDL
213 license usr/src/cmd/sendmail/THIRDPARTYLICENSE \
214     license=usr/src/cmd/sendmail/THIRDPARTYLICENSE
215 link path=etc/aliases target=./mail/aliases
216 link path=etc/mail/cf/cf/main.cf target=sendmail.cf
217 link path=etc/mail/cf/cf/main.mc target=sendmail.mc
218 link path=etc/mail/cf/cf/subsidiary.cf target=sendmail.cf
219 link path=etc/mail/cf/cf/subsidiary.mc target=sendmail.mc
220 link path=etc/mail/cf/sh/check-hostname \
221     target=../../../../usr/sbin/check-hostname
222 link path=etc/mail/cf/sh/check-permissions \
223     target=../../../../usr/sbin/check-permissions
224 link path=etc/mail/main.cf target=sendmail.cf
225 link path=etc/mail/sendmail.hf target=helpfile
226 link path=etc/mail/subsidiary.cf target=sendmail.cf
227 link path=usr/lib/libmilter.so target=libmilter.so.1
228 link path=usr/lib/mail target=../../etc/mail/cf
229 link path=usr/sbin/newaliases target=../lib/sendmail
230 link path=usr/sbin/sendmail target=../lib/sendmail
231 link path=usr/share/man/man4/addresses.4 target=aliases.4
232 link path=usr/share/man/man4/forward.4 target=aliases.4
233 link path=usr/share/man/man4/sendmail.cf.4 target=sendmail.4
234 link path=usr/share/man/man4/submit.cf.4 target=sendmail.4
235 **depend fmri=runtime/perl-$(PERL_PKGVERS) type=require**
235 *depend fmri=runtime/perl-510 type=require*
```

```
*********************************************************
   11957 Mon Jun  2 17:29:37 2014
new/usr/src/pkg/manifests/system-extended-system-utilities.mf
4863 illumos-gate can't be built with fresh perl versions
Reviewed by: Andy Stormont <astormont@racktopsystems.com>
Reviewed by: Dan McDonald <danmcd@omniti.com>
*********************************************************
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  22 #
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  25 #

  27 set name=pkg.fmri value=pkg:/system/extended-system-utilities@$(PKGVERS)
  28 set name=pkg.description \
  29     value="additional UNIX system utilities, including awk, bc, cal, compress, d
  30 set name=pkg.summary value="Extended System Utilities"
  31 set name=info.classification value=org.opensolaris.category.2008:System/Core
  32 set name=variant.arch value=$(ARCH)
  33 dir path=usr group=sys
  34 dir path=usr/bin
  35 $(i386_ONLY)dir path=usr/bin/$(ARCH32)
  36 dir path=usr/bin/$(ARCH64)
  37 dir path=usr/lib
  38 dir path=usr/lib/$(ARCH64)
  39 dir path=usr/lib/adb group=sys
  40 dir path=usr/lib/adb/$(ARCH64) group=sys
  41 dir path=usr/lib/fs group=sys
  42 dir path=usr/lib/fs/pcfs group=sys
  43 dir path=usr/lib/spell
  44 dir path=usr/proc
  45 dir path=usr/proc/bin
  46 dir path=usr/sbin
  47 dir path=usr/sbin/$(ARCH64)
  48 dir path=usr/share
  49 dir path=usr/share/lib
  50 dir path=usr/share/lib/dict
  51 dir path=usr/share/man/man1
  52 dir path=usr/share/man/man1m
  53 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pargs mode=0555
  54 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pcred mode=0555
  55 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pfiles mode=0555
  56 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pflags mode=0555
  57 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pldd mode=0555
  58 $(i386_ONLY)file path=usr/bin/$(ARCH32)/plgrp mode=0555
  59 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pmadvise mode=0555
```

```
  60 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pmap mode=0555
  61 $(i386_ONLY)file path=usr/bin/$(ARCH32)/ppgsz mode=0555
  62 $(i386_ONLY)file path=usr/bin/$(ARCH32)/ppriv mode=0555
  63 $(i386_ONLY)file path=usr/bin/$(ARCH32)/preap mode=0555
  64 $(i386_ONLY)file path=usr/bin/$(ARCH32)/prun mode=0555
  65 $(i386_ONLY)file path=usr/bin/$(ARCH32)/psig mode=0555
  66 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pstack mode=0555
  67 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pstop mode=0555
  68 $(i386_ONLY)file path=usr/bin/$(ARCH32)/ptime mode=0555
  69 $(i386_ONLY)file path=usr/bin/$(ARCH32)/ptree mode=0555
  70 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pwait mode=0555
  71 $(i386_ONLY)file path=usr/bin/$(ARCH32)/pwdx mode=0555
  72 $(i386_ONLY)file path=usr/bin/$(ARCH32)/sort mode=0555
  73 file path=usr/bin/$(ARCH64)/pargs mode=0555
  74 file path=usr/bin/$(ARCH64)/pcred mode=0555
  75 file path=usr/bin/$(ARCH64)/pfiles mode=0555
  76 file path=usr/bin/$(ARCH64)/pflags mode=0555
  77 file path=usr/bin/$(ARCH64)/pldd mode=0555
  78 file path=usr/bin/$(ARCH64)/plgrp mode=0555
  79 file path=usr/bin/$(ARCH64)/pmadvise mode=0555
  80 file path=usr/bin/$(ARCH64)/pmap mode=0555
  81 file path=usr/bin/$(ARCH64)/ppgsz mode=0555
  82 file path=usr/bin/$(ARCH64)/ppriv mode=0555
  83 file path=usr/bin/$(ARCH64)/preap mode=0555
  84 file path=usr/bin/$(ARCH64)/prun mode=0555
  85 file path=usr/bin/$(ARCH64)/psig mode=0555
  86 file path=usr/bin/$(ARCH64)/pstack mode=0555
  87 file path=usr/bin/$(ARCH64)/pstop mode=0555
  88 file path=usr/bin/$(ARCH64)/ptime mode=0555
  89 file path=usr/bin/$(ARCH64)/ptree mode=0555
  90 file path=usr/bin/$(ARCH64)/pwait mode=0555
  91 file path=usr/bin/$(ARCH64)/pwdx mode=0555
  92 file path=usr/bin/$(ARCH64)/sort mode=0555
  93 file path=usr/bin/asa mode=0555
  94 file path=usr/bin/awk mode=0555
  95 file path=usr/bin/banner mode=0555
  96 file path=usr/bin/batch mode=0555
  97 file path=usr/bin/bc mode=0555
  98 file path=usr/bin/bdiff mode=0755
  99 file path=usr/bin/bfs mode=0555
 100 file path=usr/bin/cal mode=0555
 101 file path=usr/bin/calendar mode=0555
 102 file path=usr/bin/col mode=0555
 103 file path=usr/bin/compress mode=0555
 104 file path=usr/bin/csplit mode=0555
 105 file path=usr/bin/dc mode=0555
 106 file path=usr/bin/diff mode=0555
 107 file path=usr/bin/diff3 mode=0555
 108 file path=usr/bin/dircmp mode=0555
 109 file path=usr/bin/dos2unix mode=0555
 110 file path=usr/bin/expand mode=0555
 111 file path=usr/bin/factor mode=0555
 112 file path=usr/bin/kstat mode=0555
 113 file path=usr/bin/last mode=0555
 114 file path=usr/bin/lastcomm mode=0555
 115 file path=usr/bin/lgrpinfo mode=0555
 116 file path=usr/bin/look mode=0755
 117 file path=usr/bin/mkfifo mode=0555
 118 file path=usr/bin/nawk mode=0555
 119 file path=usr/bin/newform mode=0555
 120 file path=usr/bin/news mode=0555
 121 file path=usr/bin/nl mode=0555
 122 file path=usr/bin/pack mode=0555
 123 file path=usr/bin/pginfo mode=0555
 124 file path=usr/bin/pgstat mode=0555
 125 file path=usr/bin/sdiff mode=0555
```

```
126 file path=usr/bin/spell mode=0555
127 file path=usr/bin/split mode=0555
128 file path=usr/bin/tcopy mode=0555
129 file path=usr/bin/unexpand mode=0555
130 file path=usr/bin/units mode=0555
131 file path=usr/bin/unix2dos mode=0555
132 file path=usr/bin/unpack mode=0555
133 file path=usr/bin/uudecode group=uucp mode=0555
134 file path=usr/bin/uuencode group=uucp mode=0555
135 file path=usr/bin/yes mode=0555
136 file path=usr/lib/$(ARCH64)/madv.so.1
137 file path=usr/lib/$(ARCH64)/mpss.so.1
138 file path=usr/lib/adb/$(ARCH64)/adbsub.o group=sys
139 file path=usr/lib/adb/adbgen group=sys mode=0755
140 file path=usr/lib/adb/adbgen1 group=sys mode=0755
141 file path=usr/lib/adb/adbgen3 group=sys mode=0755
142 file path=usr/lib/adb/adbgen4 group=sys mode=0755
143 file path=usr/lib/adb/adbsub.o group=sys
144 file path=usr/lib/diff3prog mode=0555
145 file path=usr/lib/fs/pcfs/fsck mode=0555
146 file path=usr/lib/fs/pcfs/fstyp.so.1 mode=0555
147 file path=usr/lib/fs/pcfs/mkfs mode=0555
148 file path=usr/lib/fs/pcfs/mount mode=0555
149 file path=usr/lib/madv.so.1
150 file path=usr/lib/mpss.so.1
151 file path=usr/lib/spell/compress mode=0555
152 file path=usr/lib/spell/hashcheck mode=0555
153 file path=usr/lib/spell/hashmake mode=0555
154 file path=usr/lib/spell/hlista
155 file path=usr/lib/spell/hlistb
156 file path=usr/lib/spell/hstop
157 file path=usr/lib/spell/spellin mode=0555
158 file path=usr/lib/spell/spellprog mode=0555
159 file path=usr/sbin/dmesg mode=0555
160 file path=usr/sbin/projadd group=sys mode=0555
161 file path=usr/sbin/projdel group=sys mode=0555
162 file path=usr/sbin/projmod group=sys mode=0555
163 file path=usr/share/lib/dict/words
164 file path=usr/share/man/man1/asa.1
165 file path=usr/share/man/man1/awk.1
166 file path=usr/share/man/man1/banner.1
167 file path=usr/share/man/man1/bc.1
168 file path=usr/share/man/man1/bdiff.1
169 file path=usr/share/man/man1/bfs.1
170 file path=usr/share/man/man1/cal.1
171 file path=usr/share/man/man1/calendar.1
172 file path=usr/share/man/man1/col.1
173 file path=usr/share/man/man1/compress.1
174 file path=usr/share/man/man1/csplit.1
175 file path=usr/share/man/man1/dc.1
176 file path=usr/share/man/man1/diff.1
177 file path=usr/share/man/man1/diff3.1
178 file path=usr/share/man/man1/dircmp.1
179 file path=usr/share/man/man1/dos2unix.1
180 file path=usr/share/man/man1/expand.1
181 file path=usr/share/man/man1/factor.1
182 file path=usr/share/man/man1/last.1
183 file path=usr/share/man/man1/lastcomm.1
184 file path=usr/share/man/man1/lgrpinfo.1
185 file path=usr/share/man/man1/look.1
186 file path=usr/share/man/man1/madv.so.1.1
187 file path=usr/share/man/man1/mpss.so.1.1
188 file path=usr/share/man/man1/nawk.1
189 file path=usr/share/man/man1/newform.1
190 file path=usr/share/man/man1/news.1
191 file path=usr/share/man/man1/nl.1
```

```
192 file path=usr/share/man/man1/pack.1
193 file path=usr/share/man/man1/pargs.1
194 file path=usr/share/man/man1/plgrp.1
195 file path=usr/share/man/man1/pmadvise.1
196 file path=usr/share/man/man1/pmap.1
197 file path=usr/share/man/man1/ppgsz.1
198 file path=usr/share/man/man1/ppriv.1
199 file path=usr/share/man/man1/preap.1
200 file path=usr/share/man/man1/ptree.1
201 file path=usr/share/man/man1/sdiff.1
202 file path=usr/share/man/man1/sort.1
203 file path=usr/share/man/man1/spell.1
204 file path=usr/share/man/man1/split.1
205 file path=usr/share/man/man1/tcopy.1
206 file path=usr/share/man/man1/units.1
207 file path=usr/share/man/man1/unix2dos.1
208 file path=usr/share/man/man1/yes.1
209 file path=usr/share/man/man1m/adbgen.1m
210 file path=usr/share/man/man1m/dmesg.1m
211 file path=usr/share/man/man1m/fsck_pcfs.1m
212 file path=usr/share/man/man1m/kstat.1m
213 file path=usr/share/man/man1m/mkfifo.1m
214 file path=usr/share/man/man1m/mkfs_pcfs.1m
215 file path=usr/share/man/man1m/mount_pcfs.1m
216 file path=usr/share/man/man1m/projadd.1m
217 file path=usr/share/man/man1m/projdel.1m
218 file path=usr/share/man/man1m/projmod.1m
219 hardlink path=usr/bin/oawk target=../../usr/bin/awk
220 hardlink path=usr/bin/pargs target=../../usr/lib/isaexec
221 hardlink path=usr/bin/pcred target=../../usr/lib/isaexec
222 hardlink path=usr/bin/pfiles target=../../usr/lib/isaexec
223 hardlink path=usr/bin/pflags target=../../usr/lib/isaexec
224 hardlink path=usr/bin/pldd target=../../usr/lib/isaexec
225 hardlink path=usr/bin/plgrp target=../../usr/lib/isaexec
226 hardlink path=usr/bin/pmadvise target=../../usr/lib/isaexec
227 hardlink path=usr/bin/pmap target=../../usr/lib/isaexec
228 hardlink path=usr/bin/ppgsz target=../../usr/lib/isaexec
229 hardlink path=usr/bin/ppriv target=../../usr/lib/isaexec
230 hardlink path=usr/bin/preap target=../../usr/lib/isaexec
231 hardlink path=usr/bin/prun target=../../usr/lib/isaexec
232 hardlink path=usr/bin/psig target=../../usr/lib/isaexec
233 hardlink path=usr/bin/pstack target=../../usr/lib/isaexec
234 hardlink path=usr/bin/pstop target=../../usr/lib/isaexec
235 hardlink path=usr/bin/ptime target=../../usr/lib/isaexec
236 hardlink path=usr/bin/ptree target=../../usr/lib/isaexec
237 hardlink path=usr/bin/pwait target=../../usr/lib/isaexec
238 hardlink path=usr/bin/pwdx target=../../usr/lib/isaexec
239 hardlink path=usr/bin/sort target=../../usr/lib/isaexec
240 hardlink path=usr/bin/uncompress target=../../usr/bin/compress
241 hardlink path=usr/bin/zcat target=../../usr/bin/compress
242 hardlink path=usr/lib/fs/pcfs/fstyp target=../../../sbin/fstyp
243 legacy pkg=SUNWesu \
244     desc="additional UNIX system utilities, including awk, bc, cal, compress, di
245     name="Extended System Utilities"
246 license cr_Sun license=cr_Sun
247 license lic_CDDL license=lic_CDDL
248 license usr/src/cmd/compress/THIRDPARTYLICENSE \
249     license=usr/src/cmd/compress/THIRDPARTYLICENSE
250 license usr/src/cmd/lastcomm/THIRDPARTYLICENSE \
251     license=usr/src/cmd/lastcomm/THIRDPARTYLICENSE
252 license usr/src/cmd/look/THIRDPARTYLICENSE \
253     license=usr/src/cmd/look/THIRDPARTYLICENSE
254 license usr/src/cmd/units/THIRDPARTYLICENSE \
255     license=usr/src/cmd/units/THIRDPARTYLICENSE
256 link path=usr/bin/dmesg target=../sbin/dmesg
257 link path=usr/bin/pcat target=./unpack
```

```
258 link path=usr/bin/strace target=../sbin/strace
259 link path=usr/dict target=./share/lib/dict
260 link path=usr/proc/bin/pcred target=../../bin/pcred
261 link path=usr/proc/bin/pfiles target=../../bin/pfiles
262 link path=usr/proc/bin/pflags target=../../bin/pflags
263 link path=usr/proc/bin/pldd target=../../bin/pldd
264 link path=usr/proc/bin/pmap target=../../bin/pmap
265 link path=usr/proc/bin/prun target=../../bin/prun
266 link path=usr/proc/bin/psig target=../../bin/psig
267 link path=usr/proc/bin/pstack target=../../bin/pstack
268 link path=usr/proc/bin/pstop target=../../bin/pstop
269 link path=usr/proc/bin/ptime target=../../bin/ptime
270 link path=usr/proc/bin/ptree target=../../bin/ptree
271 link path=usr/proc/bin/pwait target=../../bin/pwait
272 link path=usr/proc/bin/pwdx target=../../bin/pwdx
273 link path=usr/share/man/man1/hashcheck.1 target=spell.1
274 link path=usr/share/man/man1/hashmake.1 target=spell.1
275 link path=usr/share/man/man1/pcat.1 target=pack.1
276 link path=usr/share/man/man1/spellin.1 target=spell.1
277 link path=usr/share/man/man1/uncompress.1 target=compress.1
278 link path=usr/share/man/man1/unexpand.1 target=expand.1
279 link path=usr/share/man/man1/unpack.1 target=pack.1
280 link path=usr/share/man/man1/zcat.1 target=compress.1
281 depend fmri=runtime/perl-$(PERL_PKGVERS) type=require
281 depend fmri=runtime/perl-510 type=require
```