```
*********************************************************
    34631 Sun May  4 07:12:42 2014
new/usr/src/Makefile.master
4719 Common patchset for jdk1.7 support preparation
*********************************************************
   1 #
   2 # CDDL HEADER START
   3 #
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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 PYTHON_26=           /usr/bin/python2.6
 168 PYTHON=              $(PYTHON_26)
 169 SORT=                /usr/bin/sort
 170 TOUCH=               /usr/bin/touch
 171 WC=                  /usr/bin/wc
 172 XARGS=               /usr/bin/xargs
 173 ELFEDIT=             /usr/bin/elfedit
 174 ELFSIGN=             /usr/bin/elfsign
 175 DTRACE=              /usr/sbin/dtrace -xnolibs
 176 UNIQ=                /usr/bin/uniq
 177 TAR=                 /usr/bin/tar
 178 ASTBINDIR=           /usr/ast/bin
 179 MSGCC=               $(ASTBINDIR)/msgcc

 181 FILEMODE=            644
 182 DIRMODE=             755

 184 #
 185 # The version of the patch makeup table optimized for build-time use.  Used
 186 # during patch builds only.
 187 $(PATCH_BUILD)PMTMO_FILE=$(SRC)/patch_makeup_table.mo

 189 # Declare that nothing should be built in parallel.
 190 # Individual Makefiles can use the .PARALLEL target to declare otherwise.
 191 .NO_PARALLEL:

 193 # For stylistic checks
```

```
 194 #
 195 # Note that the X and C checks are not used at this time and may need
 196 # modification when they are actually used.
 197 #
 198 CSTYLE=              $(ONBLD_TOOLS)/bin/cstyle
 199 CSTYLE_TAIL=
 200 HDRCHK=              $(ONBLD_TOOLS)/bin/hdrchk
 201 HDRCHK_TAIL=
 202 JSTYLE=              $(ONBLD_TOOLS)/bin/jstyle

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

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

 212 DOT_C_CHECK=         \
 213         @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL)

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

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

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

 233 #
 234 # Python bakes the mtime of the .py file into the compiled .pyc and
 235 # rebuilds if the baked-in mtime != the mtime of the source file
 236 # (rather than only if it's less than), thus when installing python
 237 # files we must make certain to not adjust the mtime of the source
 238 # (.py) file.
 239 #
 240 INS.pyfile=     $(INS.file); $(TOUCH) -r $< $@

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

 252 MACH64_1=       $(MACH:sparc=sparcv9)
 253 MACH64=         $(MACH64_1:i386=amd64)

 255 MACH32_1=       $(MACH:sparc=sparcv7)
 256 MACH32=         $(MACH32_1:i386=i86)

 258 sparc_BUILD64=
 259 i386_BUILD64=
```

```
 260 BUILD64=          $($(MACH)_BUILD64)

 262 #
 263 # C compiler mode. Future compilers may change the default on us,
 264 # so force extended ANSI mode globally. Lower level makefiles can
 265 # override this by setting CCMODE.
 266 #
 267 CCMODE=                   -Xa
 268 CCMODE64=                 -Xa

 270 #
 271 # C compiler verbose mode. This is so we can enable it globally,
 272 # but turn it off in the lower level makefiles of things we cannot
 273 # (or aren't going to) fix.
 274 #
 275 CCVERBOSE=                -v

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

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

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

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

 312 # One optimization the compiler might perform is to turn this:
 313 #        #pragma weak foo
 314 #        extern int foo;
 315 #        if (&foo)
 316 #                foo = 5;
 317 # into
 318 #        foo = 5;
 319 # Since we do some of this (foo might be referenced in common kernel code
 320 # but provided only for some cpu modules or platforms), we disable this
 321 # optimization.
 322 #
 323 sparc_CCUNBOUND = -Wd,-xsafe=unboundsym
 324 i386_CCUNBOUND  =
 325 CCUNBOUND       = $($(MACH)_CCUNBOUND)
```

```
 327 #
 328 # compiler '-xarch' flag. This is here to centralize it and make it
 329 # overridable for testing.
 330 sparc_XARCH=    -m32
 331 sparcv9_XARCH=  -m64
 332 i386_XARCH=
 333 amd64_XARCH=    -m64 -Ui386 -U__i386

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

 341 #
 342 # These flags define what we need to be 'standalone' i.e. -not- part
 343 # of the rather more cosy userland environment.  This basically means
 344 # the kernel.
 345 #
 346 # XX64  future versions of gcc will make -mcmodel=kernel imply -mno-red-zone
 347 #
 348 sparc_STAND_FLAGS=      -_gcc=-ffreestanding
 349 sparcv9_STAND_FLAGS=    -_gcc=-ffreestanding
 350 # Disabling MMX also disables 3DNow, disabling SSE also disables all later
 351 # additions to SSE (SSE2, AVX ,etc.)
 352 NO_SIMD=                -_gcc=-mno-mmx -_gcc=-mno-sse
 353 i386_STAND_FLAGS=       -_gcc=-ffreestanding $(NO_SIMD)
 354 amd64_STAND_FLAGS=      -xmodel=kernel $(NO_SIMD)

 356 SAVEARGS=               -Wu,-save_args
 357 amd64_STAND_FLAGS       += $(SAVEARGS)

 359 STAND_FLAGS_32 = $($(MACH)_STAND_FLAGS)
 360 STAND_FLAGS_64 = $($(MACH64)_STAND_FLAGS)

 362 #
 363 # disable the incremental linker
 364 ILDOFF=                 -xildoff
 365 #
 366 XDEPEND=                -xdepend
 367 XFFLAG=                 -xF=%all
 368 XESS=                   -xs
 369 XSTRCONST=              -xstrconst

 371 #
 372 # turn warnings into errors (C)
 373 CERRWARN = -errtags=yes -errwarn=%all
 374 CERRWARN += -erroff=E_EMPTY_TRANSLATION_UNIT
 375 CERRWARN += -erroff=E_STATEMENT_NOT_REACHED

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

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

 386 # DEBUG v. -nd make for frequent unused variables, empty conditions, etc. in
 387 # -nd builds
 388 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-unused
 389 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-empty-body

 391 #
```

```
 392 # turn warnings into errors (C++)
 393 CCERRWARN=                -xwe

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

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

 409 sparc_ASFLAGS=  $(sparc_AS_XARCH)
 410 sparcv9_ASFLAGS=$(sparcv9_AS_XARCH)
 411 i386_ASFLAGS=   $(i386_AS_XARCH)
 412 amd64_ASFLAGS=  $(amd64_AS_XARCH)

 414 #
 415 sparc_COPTFLAG=         -xO3
 416 sparcv9_COPTFLAG=       -xO3
 417 i386_COPTFLAG=          -O
 418 amd64_COPTFLAG=         -xO3

 420 COPTFLAG= $($(MACH)_COPTFLAG)
 421 COPTFLAG64= $($(MACH64)_COPTFLAG)

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

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

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

 439 #
 440 # Default debug format for Sun Studio 11 is dwarf, so force it to
 441 # generate stabs.
 442 #
 443 DEBUGFORMAT=    -xdebugformat=stabs

 445 #
 446 # Flags used to build in debug mode for ctf generation.  Bugs in the Devpro
 447 # compilers currently prevent us from building with cc-emitted DWARF.
 448 #
 449 CTF_FLAGS_sparc = -g -Wc,-Qiselect-T1 $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)
 450 CTF_FLAGS_i386  = -g $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)

 452 CTF_FLAGS_sparcv9       = $(CTF_FLAGS_sparc)
 453 CTF_FLAGS_amd64         = $(CTF_FLAGS_i386)

 455 # Sun Studio produces broken userland code when saving arguments.
 456 $(__GNUC)CTF_FLAGS_amd64 += $(SAVEARGS)
```

```
 458 CTF_FLAGS_32    = $(CTF_FLAGS_$(MACH)) $(DEBUGFORMAT)
 459 CTF_FLAGS_64    = $(CTF_FLAGS_$(MACH64)) $(DEBUGFORMAT)
 460 CTF_FLAGS       = $(CTF_FLAGS_32)

 462 #
 463 # Flags used with genoffsets
 464 #
 465 GOFLAGS = -_noecho \
 466         $(CALLSYMS) \
 467         $(CDWARFSTR)

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

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

 475 #
 476 # tradeoff time for space (smaller is better)
 477 #
 478 sparc_SPACEFLAG         = -xspace -W0,-Lt
 479 sparcv9_SPACEFLAG       = -xspace -W0,-Lt
 480 i386_SPACEFLAG          = -xspace
 481 amd64_SPACEFLAG         =

 483 SPACEFLAG               = $($(MACH)_SPACEFLAG)
 484 SPACEFLAG64             = $($(MACH64)_SPACEFLAG)

 486 #
 487 # The Sun Studio 11 compiler has changed the behaviour of integer
 488 # wrap arounds and so a flag is needed to use the legacy behaviour
 489 # (without this flag panics/hangs could be exposed within the source).
 490 #
 491 sparc_IROPTFLAG         = -W2,-xwrap_int
 492 sparcv9_IROPTFLAG       = -W2,-xwrap_int
 493 i386_IROPTFLAG          =
 494 amd64_IROPTFLAG         =

 496 IROPTFLAG               = $($(MACH)_IROPTFLAG)
 497 IROPTFLAG64             = $($(MACH64)_IROPTFLAG)

 499 sparc_XREGSFLAG         = -xregs=no%appl
 500 sparcv9_XREGSFLAG       = -xregs=no%appl
 501 i386_XREGSFLAG          =
 502 amd64_XREGSFLAG         =

 504 XREGSFLAG               = $($(MACH)_XREGSFLAG)
 505 XREGSFLAG64             = $($(MACH64)_XREGSFLAG)

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

 512 #
 513 # These variables are intended ONLY for use by developers to safely pass extra
 514 # flags to the compilers without unintentionally overriding Makefile-set
 515 # flags.  They should NEVER be set to any value in a Makefile.
 516 #
 517 # They come last in the associated FLAGS variable such that they can
 518 # explicitly override things if necessary, there are gaps in this, but it's
 519 # the best we can manage.
 520 #
 521 CUSERFLAGS              =
 522 CUSERFLAGS64            = $(CUSERFLAGS)
 523 CCUSERFLAGS             =
```

```
 524 CCUSERFLAGS64             = $(CCUSERFLAGS)

 526 CSOURCEDEBUGFLAGS         =
 527 CCSOURCEDEBUGFLAGS        =
 528 $(SRCDBGBLD)CSOURCEDEBUGFLAGS   = -g -xs
 529 $(SRCDBGBLD)CCSOURCEDEBUGFLAGS  = -g -xs

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

 548 DTEXTDOM=-DTEXT_DOMAIN=\"$(TEXT_DOMAIN)\"        # For messaging.
 549 DTS_ERRNO=-D_TS_ERRNO
 550 CPPFLAGS.master=$(DTEXTDOM) $(DTS_ERRNO) \
 551         $(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) $(ENVCPPFLAGS4) \
 552         $(ADJUNCT_PROTO:%=-I%/usr/include)
 553 CPPFLAGS.native=$(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) \
 554         $(ENVCPPFLAGS4) -I$(NATIVE_ADJUNCT)/include
 555 CPPFLAGS=       $(CPPFLAGS.master)
 556 AS_CPPFLAGS=    $(CPPFLAGS.master)
 557 JAVAFLAGS=      -source 1.6 -target 1.6 -Xlint:deprecation,-options
 557 JAVAFLAGS=      -deprecation

 559 #
 560 # For source message catalogue
 561 #
 562 .SUFFIXES: $(SUFFIXES) .i .po
 563 MSGROOT= $(ROOT)/catalog
 564 MSGDOMAIN= $(MSGROOT)/$(TEXT_DOMAIN)
 565 MSGDOMAINPOFILE = $(MSGDOMAIN)/$(POFILE)
 566 DCMSGDOMAIN= $(MSGROOT)/LC_TIME/$(TEXT_DOMAIN)
 567 DCMSGDOMAINPOFILE = $(DCMSGDOMAIN)/$(DCFILE:.dc=.po)

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

 581 #
 582 # This is overwritten by local Makefile when PROG is a list.
 583 #
 584 POFILE= $(PROG).po

 586 sparc_CCFLAGS=          -cg92 -compat=4 \
 587                         -Qoption ccfe -messages=no%anachronism \
 588                         $(CCERRWARN)
```

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

 603 sparc_CCOPTFLAG=        -O
 604 sparcv9_CCOPTFLAG=      -O
 605 i386_CCOPTFLAG=         -O
 606 amd64_CCOPTFLAG=        -O

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

 615 #
 616 #
 617 #
 618 ELFWRAP_FLAGS   =
 619 ELFWRAP_FLAGS64 =       -64

 621 #
 622 # Various mapfiles that are used throughout the build, and delivered to
 623 # /usr/lib/ld.
 624 #
 625 MAPFILE.NED_i386 =      $(SRC)/common/mapfiles/common/map.noexdata
 626 MAPFILE.NED_sparc =
 627 MAPFILE.NED =           $(MAPFILE.NED_$(MACH))
 628 MAPFILE.PGA =           $(SRC)/common/mapfiles/common/map.pagealign
 629 MAPFILE.NES =           $(SRC)/common/mapfiles/common/map.noexstk
 630 MAPFILE.FLT =           $(SRC)/common/mapfiles/common/map.filter
 631 MAPFILE.LEX =           $(SRC)/common/mapfiles/common/map.lex.yy

 633 #
 634 # Generated mapfiles that are compiler specific, and used throughout the
 635 # build.  These mapfiles are not delivered in /usr/lib/ld.
 636 #
 637 MAPFILE.NGB_sparc=      $(SRC)/common/mapfiles/gen/sparc_cc_map.noexeglobs
 638 $(__GNUC64)MAPFILE.NGB_sparc= \
 639                 $(SRC)/common/mapfiles/gen/sparc_gcc_map.noexeglobs
 640 MAPFILE.NGB_sparcv9=    $(SRC)/common/mapfiles/gen/sparcv9_cc_map.noexeglobs
 641 $(__GNUC64)MAPFILE.NGB_sparcv9= \
 642                 $(SRC)/common/mapfiles/gen/sparcv9_gcc_map.noexeglobs
 643 MAPFILE.NGB_i386=       $(SRC)/common/mapfiles/gen/i386_cc_map.noexeglobs
 644 $(__GNUC64)MAPFILE.NGB_i386= \
 645                 $(SRC)/common/mapfiles/gen/i386_gcc_map.noexeglobs
 646 MAPFILE.NGB_amd64=      $(SRC)/common/mapfiles/gen/amd64_cc_map.noexeglobs
 647 $(__GNUC64)MAPFILE.NGB_amd64= \
 648                 $(SRC)/common/mapfiles/gen/amd64_gcc_map.noexeglobs
 649 MAPFILE.NGB =           $(MAPFILE.NGB_$(MACH))

 651 #
 652 # A generic interface mapfile name, used by various dynamic objects to define
 653 # the interfaces and interposers the object must export.
 654 #
```

```
 655 MAPFILE.INT =          mapfile-intf


 657 #
 658 # LDLIBS32 can be set in the environment to override the following assignment.
 659 # LDLIBS64 can be set to override the assignment made in Makefile.master.64.
 660 # These environment settings make sure that no libraries are searched outside
 661 # of the local workspace proto area:
 662 #        LDLIBS32=-YP,$ROOT/lib:$ROOT/usr/lib
 663 #        LDLIBS64=-YP,$ROOT/lib/$MACH64:$ROOT/usr/lib/$MACH64
 664 #
 665 LDLIBS32 =       $(ENVLDLIBS1) $(ENVLDLIBS2) $(ENVLDLIBS3)
 666 LDLIBS32 +=      $(ADJUNCT_PROTO:%=-L%/usr/lib -L%/lib)
 667 LDLIBS.cmd =     $(LDLIBS32)
 668 LDLIBS.lib =     $(LDLIBS32)
 669 #
 670 # Define compilation macros.
 671 #
 672 COMPILE.c=       $(CC) $(CFLAGS) $(CPPFLAGS) -c
 673 COMPILE64.c=     $(CC) $(CFLAGS64) $(CPPFLAGS) -c
 674 COMPILE.cc=      $(CCC) $(CCFLAGS) $(CPPFLAGS) -c
 675 COMPILE64.cc=    $(CCC) $(CCFLAGS64) $(CPPFLAGS) -c
 676 COMPILE.s=       $(AS) $(ASFLAGS) $(AS_CPPFLAGS)
 677 COMPILE64.s=     $(AS) $(ASFLAGS) $($(MACH64)_AS_XARCH) $(AS_CPPFLAGS)
 678 COMPILE.d=       $(DTRACE) -G -32
 679 COMPILE64.d=     $(DTRACE) -G -64
 680 COMPILE.b=       $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))
 681 COMPILE64.b=     $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))

 683 CLASSPATH=       .
 684 COMPILE.java=    $(JAVAC) $(JAVAFLAGS) -classpath $(CLASSPATH)

 686 #
 687 # Link time macros
 688 #
 689 CCNEEDED              = -lC
 690 CCEXTNEEDED          = -lCrun -lCstd
 691 $(__GNUC)CCNEEDED    = -L$(GCCLIBDIR) -lstdc++ -lgcc_s
 692 $(__GNUC)CCEXTNEEDED = $(CCNEEDED)

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

 702 #
 703 # lint macros
 704 #
 705 # Note that the undefine of __PRAGMA_REDEFINE_EXTNAME can be removed once
 706 # ON is built with a version of lint that has the fix for 4484186.
 707 #
 708 ALWAYS_LINT_DEFS =     -errtags=yes -s
 709 ALWAYS_LINT_DEFS +=    -erroff=E_PTRDIFF_OVERFLOW
 710 ALWAYS_LINT_DEFS +=    -erroff=E_ASSIGN_NARROW_CONV
 711 ALWAYS_LINT_DEFS +=    -U__PRAGMA_REDEFINE_EXTNAME
 712 ALWAYS_LINT_DEFS +=    $(C99LMODE)
 713 ALWAYS_LINT_DEFS +=    -errsecurity=$(SECLEVEL)
 714 ALWAYS_LINT_DEFS +=    -erroff=E_SEC_CREAT_WITHOUT_EXCL
 715 ALWAYS_LINT_DEFS +=    -erroff=E_SEC_FORBIDDEN_WARN_CREAT
 716 # XX64 -- really only needed for amd64 lint
 717 ALWAYS_LINT_DEFS +=    -erroff=E_ASSIGN_INT_TO_SMALL_INT
 718 ALWAYS_LINT_DEFS +=    -erroff=E_CAST_INT_CONST_TO_SMALL_INT
 719 ALWAYS_LINT_DEFS +=    -erroff=E_CAST_INT_TO_SMALL_INT
 720 ALWAYS_LINT_DEFS +=    -erroff=E_CAST_TO_PTR_FROM_INT
```

```
 721 ALWAYS_LINT_DEFS +=    -erroff=E_COMP_INT_WITH_LARGE_INT
 722 ALWAYS_LINT_DEFS +=    -erroff=E_INTEGRAL_CONST_EXP_EXPECTED
 723 ALWAYS_LINT_DEFS +=    -erroff=E_PASS_INT_TO_SMALL_INT
 724 ALWAYS_LINT_DEFS +=    -erroff=E_PTR_CONV_LOSES_BITS

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

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

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

 744 # Define native compilation macros
 745 #

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

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

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

 773 sparcv9_CC=              $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
 774 $(__GNUC64)sparcv9_CC=   $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
 775 sparcv9_CCC=             $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
 776 $(__GNUC64)sparcv9_CCC=  $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
 777 sparcv9_CPP=             /usr/ccs/lib/cpp
 778 sparcv9_AS=              /usr/ccs/bin/as -xregsym=no
 779 sparcv9_LD=              /usr/ccs/bin/ld
 780 sparcv9_LINT=            $(SPRO_ROOT)/sunstudio12.1/bin/lint

 782 i386_CC=                 $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
 783 $(__GNUC)i386_CC=        $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
 784 i386_CCC=                $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
 785 $(__GNUC)i386_CCC=       $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
 786 i386_CPP=                /usr/ccs/lib/cpp
```

```
787 i386_AS=                    /usr/ccs/bin/as
788 $(__GNUC)i386_AS=          $(ONBLD_TOOLS)/bin/$(MACH)/aw
789 i386_LD=                    /usr/ccs/bin/ld
790 i386_LINT=                  $(SPRO_ROOT)/sunstudio12.1/bin/lint

792 amd64_CC=                   $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
793 $(__GNUC64)amd64_CC=       $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
794 amd64_CCC=                  $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
795 $(__GNUC64)amd64_CCC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
796 amd64_CPP=                  /usr/ccs/lib/cpp
797 amd64_AS=                   $(ONBLD_TOOLS)/bin/$(MACH)/aw
798 amd64_LD=                   /usr/ccs/bin/ld
799 amd64_LINT=                 $(SPRO_ROOT)/sunstudio12.1/bin/lint

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

808 #
809 # Makefile.master.64 overrides these settings
810 #
811 CC=                         $(NATIVECC)
812 CCC=                        $(NATIVECCC)
813 CPP=                        $(NATIVECPP)
814 AS=                         $(NATIVEAS)
815 LD=                         $(NATIVELD)
816 LINT=                       $(NATIVELINT)

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

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

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

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

```
853 ZTEXT=          -ztext
854 ZVERBOSE=       -zverbose

856 GSHARED=        -G
857 CCMT=           -mt

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

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

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

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

884 AS_PICFLAGS=            $(C_PICFLAGS)
885 AS_BIGPICFLAGS=         $(C_BIGPICFLAGS)

887 #
888 # Default label for CTF sections
889 #
890 CTFCVTFLAGS=                -i -L VERSION
891 $(SRCDBGBLD)CTFCVTFLAGS        += -g

893 #
894 # Override to pass module-specific flags to ctfmerge.  Currently used only by
895 # krtld to turn on fuzzy matching, and source-level debugging to inhibit
896 # stripping.
897 #
898 CTFMRGFLAGS=
899 $(SRCDBGBLD)CTFMRGFLAGS          += -g

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

904 ELFSIGN_O=      $(TRUE)
905 ELFSIGN_CRYPTO= $(ELFSIGN_O)
906 ELFSIGN_OBJECT= $(ELFSIGN_O)

908 # Rules (normally from make.rules) and macros which are used for post
909 # processing files. Normally, these do stripping of the comment section
910 # automatically.
911 #     RELEASE_CM:       Should be editted to reflect the release.
912 #     POST_PROCESS_O:   Post-processing for '.o' files.
913 #     POST_PROCESS_A:   Post-processing for '.a' files (currently null).
914 #     POST_PROCESS_SO:  Post-processing for '.so' files.
915 #     POST_PROCESS:     Post-processing for executable files (no suffix).
916 # Note that these macros are not completely generalized as they are to be
917 # used with the file name to be processed following.
918 #
```

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

 960 PROCESS_COMMENT=  @?${MCS} -d -a $(RELEASE_CM) -a $(DEV_CM)
 961 $(RELEASE_BUILD)PROCESS_COMMENT=   @?${MCS} -d -a $(RELEASE_CM)

 963 STRIP_STABS=                            :
 964 $(RELEASE_BUILD)STRIP_STABS=           $(STRIP) -x $@
 965 $(SRCDBGBLD)STRIP_STABS=               :

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

 974 #
 975 # chk4ubin is a tool that inspects a module for a symbol table
 976 # ELF section size which can trigger an OBP bug on older platforms.
 977 # This problem affects only specific sun4u bootable modules.
 978 #
 979 CHK4UBIN=       $(ONBLD_TOOLS)/bin/$(MACH)/chk4ubin
 980 CHK4UBINFLAGS=
 981 CHK4UBINARY=    $(CHK4UBIN) $(CHK4UBINFLAGS) $@

 983 #
 984 # PKGARCHIVE specifies the default location where packages should be
```

```
 985 # placed if built.
 986 #
 987 $(RELEASE_BUILD)PKGARCHIVESUFFIX=         -nd
 988 PKGARCHIVE=$(SRC)/../../packages/$(MACH)/nightly$(PKGARCHIVESUFFIX)

 990 #
 991 # The repositories will be created with these publisher settings.  To
 992 # update an image to the resulting repositories, this must match the
 993 # publisher name provided to "pkg set-publisher."
 994 #
 995 PKGPUBLISHER_REDIST=    on-nightly
 996 PKGPUBLISHER_NONREDIST= on-extra

 998 #       Default build rules which perform comment section post-processing.
 999 #
1000 .c:
1001         $(LINK.c) -o $@ $< $(LDLIBS)
1002         $(POST_PROCESS)
1003 .c.o:
1004         $(COMPILE.c) $(OUTPUT_OPTION) $< $(CTFCONVERT_HOOK)
1005         $(POST_PROCESS_O)
1006 .c.a:
1007         $(COMPILE.c) -o $% $<
1008         $(PROCESS_COMMENT) $%
1009         $(AR) $(ARFLAGS) $@ $%
1010         $(RM) $%
1011 .s.o:
1012         $(COMPILE.s) -o $@ $<
1013         $(POST_PROCESS_O)
1014 .s.a:
1015         $(COMPILE.s) -o $% $<
1016         $(PROCESS_COMMENT) $%
1017         $(AR) $(ARFLAGS) $@ $%
1018         $(RM) $%
1019 .cc:
1020         $(LINK.cc) -o $@ $< $(LDLIBS)
1021         $(POST_PROCESS)
1022 .cc.o:
1023         $(COMPILE.cc) $(OUTPUT_OPTION) $<
1024         $(POST_PROCESS_O)
1025 .cc.a:
1026         $(COMPILE.cc) -o $% $<
1027         $(AR) $(ARFLAGS) $@ $%
1028         $(PROCESS_COMMENT) $%
1029         $(RM) $%
1030 .y:
1031         $(YACC.y) $<
1032         $(LINK.c) -o $@ y.tab.c $(LDLIBS)
1033         $(POST_PROCESS)
1034         $(RM) y.tab.c
1035 .y.o:
1036         $(YACC.y) $<
1037         $(COMPILE.c) -o $@ y.tab.c $(CTFCONVERT_HOOK)
1038         $(POST_PROCESS_O)
1039         $(RM) y.tab.c
1040 .l:
1041         $(RM) $*.c
1042         $(LEX.l) $< > $*.c
1043         $(LINK.c) -o $@ $*.c -ll $(LDLIBS)
1044         $(POST_PROCESS)
1045         $(RM) $*.c
1046 .l.o:
1047         $(RM) $*.c
1048         $(LEX.l) $< > $*.c
1049         $(COMPILE.c) -o $@ $*.c $(CTFCONVERT_HOOK)
1050         $(POST_PROCESS_O)
```

```
1051          $(RM) $*.c

1053 .bin.o:
1054          $(COMPILE.b) -o $@ $<
1055          $(POST_PROCESS_O)

1057 .java.class:
1058          $(COMPILE.java) $<

1060 # Bourne and Korn shell script message catalog build rules.
1061 # We extract all gettext strings with sed(1) (being careful to permit
1062 # multiple gettext strings on the same line), weed out the dups, and
1063 # build the catalogue with awk(1).

1065 .sh.po .ksh.po:
1066          $(SED) -n -e ":a"                                       \
1067                      -e "h"                                       \
1068                      -e "s/.*gettext *\(\"[^\"]*\"\).*/\1/p"       \
1069                      -e "x"                                       \
1070                      -e "s/\(.*\)gettext *\"[^\"]*\"\(.*\)/\1\2/"  \
1071                      -e "t a"                                      \
1072                 $< | sort -u | awk '{ print "msgid\t" $$0 "\nmsgstr" }' > $@

1074 #
1075 # Python and Perl executable and message catalog build rules.
1076 #
1077 .SUFFIXES: .pl .pm .py .pyc

1079 .pl:
1080          $(RM) $@;
1081          $(SED) -e "s@TEXT_DOMAIN@\"$(TEXT_DOMAIN)\"@" $< > $@;
1082          $(CHMOD) +x $@

1084 .py:
1085          $(RM) $@; $(CAT) $< > $@; $(CHMOD) +x $@

1087 .py.pyc:
1088          $(RM) $@
1089          $(PYTHON) -mpy_compile $<
1090          @[ $(<)c = $@ ] || $(MV) $(<)c $@

1092 .py.po:
1093          $(GNUXGETTEXT) $(GNUXGETFLAGS) -d $(<F:%.py=%) $< ;

1095 .pl.po .pm.po:
1096          $(XGETTEXT) $(XGETFLAGS) -d $(<F) $< ;
1097          $(RM)   $@ ;
1098          $(SED) "/^domain/d" < $(<F).po > $@ ;
1099          $(RM) $(<F).po

1101 #
1102 # When using xgettext, we want messages to go to the default domain,
1103 # rather than the specified one.  This special version of the
1104 # COMPILE.cpp macro effectively prevents expansion of TEXT_DOMAIN,
1105 # causing xgettext to put all messages into the default domain.
1106 #
1107 CPPFORPO=$(COMPILE.cpp:\"$(TEXT_DOMAIN)\"=TEXT_DOMAIN)

1109 .c.i:
1110          $(CPPFORPO) $< > $@

1112 .h.i:
1113          $(CPPFORPO) $< > $@

1115 .y.i:
1116          $(YACC) -d $<
```

```
1117          $(CPPFORPO) y.tab.c  > $@
1118          $(RM) y.tab.c

1120 .l.i:
1121          $(LEX) $<
1122          $(CPPFORPO) lex.yy.c  > $@
1123          $(RM) lex.yy.c

1125 .c.po:
1126          $(CPPFORPO) $< > $<.i
1127          $(BUILD.po)

1129 .y.po:
1130          $(YACC) -d $<
1131          $(CPPFORPO) y.tab.c  > $<.i
1132          $(BUILD.po)
1133          $(RM) y.tab.c

1135 .l.po:
1136          $(LEX) $<
1137          $(CPPFORPO) lex.yy.c  > $<.i
1138          $(BUILD.po)
1139          $(RM) lex.yy.c

1141 #
1142 # Rules to perform stylistic checks
1143 #
1144 .SUFFIXES: .x .xml .check .xmlchk

1146 .h.check:
1147          $(DOT_H_CHECK)

1149 .x.check:
1150          $(DOT_X_CHECK)

1152 .xml.xmlchk:
1153          $(MANIFEST_CHECK)

1155 #
1156 # Include rules to render automated sccs get rules "safe".
1157 #
1158 include $(SRC)/Makefile.noget
```

```
*********************************************************
   10862 Sun May  4 07:12:42 2014
new/usr/src/cmd/Makefile
4744 Remove traces of /var/sadm/system/admin/default_java
*********************************************************
   1 #
   2 # CDDL HEADER START
   3 #
   4 # The contents of this file are subject to the terms of the
   5 # Common Development and Distribution License (the "License").
   6 # You may not use this file except in compliance with the License.
   7 #
   8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
   9 # or http://www.opensolaris.org/os/licensing.
  10 # See the License for the specific language governing permissions
  11 # and limitations under the License.
  12 #
  13 # When distributing Covered Code, include this CDDL HEADER in each
  14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
  15 # If applicable, add the following below this CDDL HEADER, with the
  16 # fields enclosed by brackets "[]" replaced with your own identifying
  17 # information: Portions Copyright [yyyy] [name of copyright owner]
  18 #
  19 # CDDL HEADER END
  20 #

  22 # Copyright (c) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
  23 # Copyright 2010 Nexenta Systems, Inc.  All rights reserved.
  24 # Copyright (c) 2012 Joyent, Inc.  All rights reserved.
  25 # Copyright (c) 2012 by Delphix. All rights reserved.
  26 # Copyright (c) 2013 DEY Storage Systems, Inc. All rights reserved.

  28 include ../Makefile.master

  30 #
  31 #        Note that the commands 'agents', 'lp', 'perl', and 'man' are first in
  32 #        the list, violating alphabetical order.  This is because they are very
  33 #        long-running and should be given the most wall-clock time for a
  34 #        parallel build.
  35 #
  36 #        Commands in the FIRST_SUBDIRS list are built before starting the build
  37 #        of other commands.  Currently this includes only 'isaexec' and
  38 #        'platexec'.  This is necessary because $(ROOT)/usr/lib/isaexec or
  39 #        $(ROOT)/usr/lib/platexec must exist when some other commands are built
  40 #        because their 'make install' creates a hard link to one of them.
  41 #
  42 #        Commands are listed one per line so that TeamWare can auto-merge most
  43 #        changes.
  44 #

  46 FIRST_SUBDIRS=          \
  47         isaexec        \
  48         platexec

  50 COMMON_SUBDIRS=         \
  51         allocate       \
  52         availdevs      \
  53         lp             \
  54         perl           \
  55         man            \
  56         Adm            \
  57         abi            \
  58         adbgen         \
  59         acct           \
  60         acctadm        \
  61         arch           \
```

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

```
128        diskmgtd        \
129        dispadmin       \
130        dladm           \
131        dlstat          \
132        dmesg           \
133        dodatadm        \
134        dtrace          \
135        du              \
136        dumpadm         \
137        dumpcs          \
138        echo            \
139        ed              \
140        eeprom          \
141        egrep           \
142        eject           \
143        emul64ioctl     \
144        enhance         \
145        env             \
146        eqn             \
147        expand          \
148        expr            \
149        exstr           \
150        factor          \
151        false           \
152        fcinfo          \
153        fcoesvc         \
154        fdetach         \
155        fdformat        \
156        fdisk           \
157        filesync        \
158        fgrep           \
159        file            \
160        filebench       \
161        find            \
162        flowadm         \
163        flowstat        \
164        fm              \
165        fmt             \
166        fmthard         \
167        fmtmsg          \
168        fold            \
169        format          \
170        fs.d            \
171        fstyp           \
172        fuser           \
173        fwflash         \
174        gcore           \
175        gencat          \
176        geniconvtbl     \
177        genmsg          \
178        getconf         \
179        getdevpolicy    \
180        getent          \
181        getfacl         \
182        getmajor        \
183        getopt          \
184        gettext         \
185        gettxt          \
186        grep            \
187        grep_xpg4       \
188        groups          \
189        grpck           \
190        gss             \
191        hal             \
192        halt            \
193        head            \
```

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

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

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

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

```
457          zfs               \
458          zhack             \
459          zic               \
460          zinject           \
461          zlogin            \
462          zoneadm           \
463          zoneadmd          \
464          zonecfg           \
465          zonename          \
466          zpool             \
467          zlook             \
468          zonestat          \
469          zstreamdump       \
470          ztest

472 i386_SUBDIRS=             \
473          acpihpd           \
474          addbadsec         \
475          biosdev           \
476          diskscan          \
477          lms               \
478          ntfsprogs         \
479          parted            \
480          rtc               \
481          ucodeadm          \
482          xvm

484 sparc_SUBDIRS=            \
485          cvcd              \
486          dcs               \
487          device_remap      \
488          drd               \
489          fruadm            \
490          ldmad             \
491          oplhpd            \
492          prtdscp           \
493          prtfru            \
494          scadm             \
495          sckmd             \
496          sf880drd          \
497          virtinfo          \
498          vntsd

500 #
501 # Commands that are messaged.  Note that 'lp' and 'man' come first
502 # (see previous comment about 'lp' and 'man').
503 #
504 MSGSUBDIRS=               \
505          lp                \
506          man               \
507          abi               \
508          acctadm           \
509          allocate          \
510          asa               \
511          audio             \
512          audit             \
513          auditconfig       \
514          auditd            \
515          auditrecord       \
516          auditset          \
517          auths             \
518          autopush          \
519          avs               \
520          awk               \
521          awk_xpg4          \
522          backup            \
```

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

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

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

```
 721         vscan           \
 722         w               \
 723         who             \
 724         whodo           \
 725         wracct          \
 726         write           \
 727         wusbadm         \
 728         xargs           \
 729         yppasswd        \
 730         zdump           \
 731         zfs             \
 732         zic             \
 733         zlogin          \
 734         zoneadm         \
 735         zoneadmd        \
 736         zonecfg         \
 737         zonename        \
 738         zpool           \
 739         zonestat

 741 sparc_MSGSUBDIRS=       \
 742         fruadm          \
 743         prtdscp         \
 744         prtfru          \
 745         virtinfo        \
 746         vntsd

 748 i386_MSGSUBDIRS=        \
 749         ucodeadm

 751 #
 752 # commands that use dcgettext for localized time, LC_TIME
 753 #
 754 DCSUBDIRS=              \
 755         cal             \
 756         cfgadm          \
 757         diff            \
 758         ls              \
 759         pr              \
 760         ps              \
 761         tar             \
 762         w               \
 763         who             \
 764         whodo           \
 765         write

 767 #
 768 # commands that belong only to audit.
 769 #
 770 AUDITSUBDIRS=           \
 771         amt             \
 772         audit           \
 773         audit_warn      \
 774         auditconfig     \
 775         auditd          \
 776         auditrecord     \
 777         auditreduce     \
 778         auditset        \
 779         auditstat       \
 780         praudit

 782 #
 783 # commands not owned by the systems group
 784 #
 785 BWOSDIRS=
```

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

 796 .KEEP_STATE:

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

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

 802 all install clean clobber lint: $(FIRST_SUBDIRS) .WAIT $(SUBDIRS) \
 803          $(AUDITSUBDIRS)

 805 #
 806 # Manifests cannot be checked in parallel, because we are using
 807 # the global repository that is in $(SRC)/cmd/svc/seed/global.db.
 808 # For this reason, to avoid .PARALLEL and .NO_PARALLEL conflicts,
 809 # we spawn off a sub-make to perform the non-parallel 'make check'
 810 #
 811 check:
 812          $(MAKE) -f Makefile.check check

 814 #
 815 # The .WAIT directive works around an apparent bug in parallel make.
 816 # Evidently make was getting the target _msg vs. _dc confused under
 817 # some level of parallelization, causing some of the _dc objects
 818 # not to be built.
 819 #
 820 _msg: $(MSGSUBDIRS) $($(MACH)_MSGSUBDIRS) .WAIT _dc

 822 _dc: $(DCSUBDIRS)

 824 #
 825 # Dependencies
 826 #
 827 fs.d: fstyp
 828 ksh:    shcomp isaexec
 829 mdb:    terminfo
 830 print: lp

 832 $(FIRST_SUBDIRS) $(BWOSDIRS) $(SUBDIRS) $(AUDITSUBDIRS): FRC
 833          @if [ -f $@/Makefile  ]; then \
 834                  cd $@; pwd; $(MAKE) $(TARGET); \
 835          else \
 836                  true; \
 837          fi

 839 FRC:
```

```
**********************************************************
    2294 Sun May  4 07:12:42 2014
new/usr/src/cmd/cmd-inet/usr.lib/slpd/slp
4743 Fix deprecated /usr/j2se usage in slp and remove from filesystem(5) manpage
**********************************************************
   1 #!/sbin/sh
   2 #
   3 # CDDL HEADER START
   4 #
   5 # The contents of this file are subject to the terms of the
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  25 #
  26 #ident  "%Z%%M% %I%     %E% SMI"
  27 #
  28 # Service Method Support Script for the SLP service
  29 #
  30 # - operates a proxy for slpd which brings up the JVM to run slpd
  31 #   when required by a client; this prevents keeping JVM's alive
  32 #   when the service is not in use.
  33 #

  35 . /lib/svc/share/smf_include.sh

  37 CONF=/etc/inet/slp.conf
  38 JAVA_BIN=/usr/java/bin/java
  38 JAVA_BIN=/usr/j2se/bin/java
  39 CLASSPATH=/usr/share/lib/slp/slpd.jar
  40 MAIN_CLASS=com.sun.slp.slpd
  41 SLPD_HOME=/usr/lib/inet
  42 SLPD=slpd
  43 SLPD_BIN=$SLPD_HOME/$SLPD

  45 case "$1" in
  46 'start')
  47         # Start slpd proxy (as a fragile dependency, conf file must exist)
  48         $SLPD_BIN -f $CONF >/dev/msglog 2>&1 &
  49         ;;

  51 'stop')
  52         # Kill the slpd proxy.
  53         /usr/bin/pkill -x -u 0 -P 1 -z `smf_zonename` $SLPD

  55         # If a configuration file exists signal a shutdown to the real slpd.
  56         [ -f $CONF  ] && {
  57                 $JAVA_BIN -classpath $CLASSPATH \
  58                     $MAIN_CLASS stop -f $CONF >/dev/msglog 2>&1 &

  60                 # Give the above slpd instance a chance to signal
```

```
  61                 # a shutdown to the real slpd instance. If after
  62                 # this time it has hung kill it.
  63                 sleep 5

  65                 # The pattern must not exceed 80 chars!
  66                 /usr/bin/pkill -x -f -u 0 -P 1,$$  -z `smf_zonename` \
  67                     "${JAVA_BIN}.*-classpath ${CLASSPATH} .*"
  68         }

  70         # Kill the slpd proxy service contract
  71         smf_kill_contract $2 TERM 1
  72         [ $? -ne 0 ] && exit 1
  73         ;;
  74 *)
  75         echo "Usage: $0 { start | stop }"
  76         exit 1
  77         ;;
  78 esac
  79 exit 0
```

```
**********************************************************
    3410 Sun May  4 07:12:43 2014
new/usr/src/cmd/cmd-inet/usr.sadm/dhcpmgr/com/sun/dhcpmgr/client/Makefile
4719 Common patchset for jdk1.7 support preparation
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  19 # CDDL HEADER END
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  24 #
  25 # cmd/cmd-inet/usr.sadm/dhcpmgr/com/sun/dhcpmgr/client/Makefile
  26 #

  28 # Place high-level classes first in order to minimize build time.
  29 CLASSFILES =    DhcpmgrApplet.class \
  30                 AddressView.class \
  31                 OptionView.class \
  32                 MacroView.class \
  33                 RelayView.class \
  34                 CreateMacroDialog.class \
  35                 DeleteMacroDialog.class \
  36                 CreateOptionDialog.class \
  37                 DeleteOptionDialog.class \
  38                 CreateAddressDialog.class \
  39                 DeleteAddressDialog.class \
  40                 AddressWizard.class \
  41                 ModifyAddressesDialog.class \
  42                 ReleaseAddressDialog.class \
  43                 DisableServiceDialog.class \
  44                 ConfigureRelayDialog.class \
  45                 ConfigureChoiceDialog.class \
  46                 ConfigWizard.class \
  47                 ServerOptionsDialog.class \
  48                 DeleteNetworksDialog.class \
  49                 UnconfigureDialog.class \
  50                 ExportWizard.class \
  51                 ImportWizard.class \
  52                 ConvertWizard.class \
  53                 DSWizard.class \
  54                 SUNWModule.class \
  55                 DSModule.class \
  56                 DSModuleListener.class \
  57                 DSModuleEvent.class \
  58                 MacroNameField.class \
  59                 OptionNameField.class \
  60                 DhcptabNameField.class \
  61                 SelectOptionDialog.class \
```

```
  62                 DataManager.class \
  63                 MultipleOperationDialog.class \
  64                 DhcpmgrDialog.class \
  65                 ViewMacroDialog.class \
  66                 ErrorTable.class \
  67                 ResourceStrings.class

  69 SUBDIRS =       SUNWbinfiles SUNWfiles

  71 all     :=      TARGET= all
  72 install :=      TARGET= install
  73 clean   :=      TARGET= clean
  74 clobber :=      TARGET= clobber
  75 lint    :=      TARGET= lint
  76 _msg    :=      TARGET= _msg

  78 include         $(SRC)/Makefile.master

  80 CLASSPATH=      $(SRC)/cmd/cmd-inet/usr.sadm/dhcpmgr

  82 JAVAFILES =     $(CLASSFILES:.class=.java)
  83 JAVAFLAGS =     -source 1.6 -target 1.6 -Xlint:-deprecation,-options

  85 MSGDIR=         $(ROOT)/usr/share/lib/locale/com/sun/dhcpmgr/client
  86 MSGDIRS =       $(ROOT)/usr/share/lib/locale \
  87                 $(ROOT)/usr/share/lib/locale/com \
  88                 $(ROOT)/usr/share/lib/locale/com/sun \
  89                 $(ROOT)/usr/share/lib/locale/com/sun/dhcpmgr \
  90                 $(MSGDIR)

  92 MSGFILES=       ResourceBundle.properties \
  93                 OptionDescriptions.properties
  94 MSGS=           $(MSGFILES:%=$(MSGDIR)/%)

  96 CLEANFILES=     *.class
  97 CLOBBERFILES=

  99 .KEEP_STATE:

 101 all: $(CLASSFILES) $(SUBDIRS)

 103 install: all $(SUBDIRS)

 105 _msg: $(MSGDIRS) $(MSGS) $(SUBDIRS)

 107 $(MSGDIR)/%: %
 108         $(INS.file)

 110 $(MSGDIRS):
 111         $(INS.dir)

 113 lint:

 115 clean: $(SUBDIRS) FRC
 116         $(RM) $(CLEANFILES)

 118 clobber: clean

 120 $(SUBDIRS):     FRC
 121         @cd $@; pwd; $(MAKE) $(TARGET)

 123 FRC:
```

```
********************************************************
    2682 Sun May  4 07:12:43 2014
new/usr/src/cmd/cmd-inet/usr.sadm/dhcpmgr/com/sun/dhcpmgr/ui/Makefile
4719 Common patchset for jdk1.7 support preparation
********************************************************
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   18 # information: Portions Copyright [yyyy] [name of copyright owner]
   19 #
   20 # CDDL HEADER END
   21 #
   22 #
   23 #ident  "%Z%%M% %I%     %E% SMI"
   24 #
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   27 #
   28 # cmd/cmd-inet/usr.sadm/dhcpmgr/com/sun/dhcpmgr/ui/Makefile
   29 #

   31 # Place high-level classes first in order to minimize build time.
   32 CLASSFILES =    ListPair.class \
   33                 Wizard.class \
   34                 TableSorter.class \
   35                 MainFrame.class \
   36                 View.class \
   37                 MnemonicAction.class \
   38                 IPAddressList.class \
   39                 ExtendedCellRenderer.class \
   40                 PreviousButton.class \
   41                 NextButton.class \
   42                 RightButton.class \
   43                 LeftButton.class \
   44                 UpButton.class \
   45                 DownButton.class \
   46                 ImageButton.class \
   47                 ButtonPanel.class \
   48                 ButtonPanelListener.class \
   49                 VerticalButtonLayout.class \
   50                 ButtonLayout.class \
   51                 ALIGNMENT.class \
   52                 AutosizingTable.class \
   53                 FieldLayout.class \
   54                 HelpIds.class \
   55                 HostnameField.class \
   56                 IntegerField.class \
   57                 IPAddressField.class \
   58                 Mnemonic.class \
   59                 NoSpaceField.class \
   60                 ProgressManager.class \
   61                 ProportionalLayout.class \
```

```
   62                 ResourceStrings.class \
   63                 SelectionListener.class \
   64                 SortedHeaderRenderer.class \
   65                 SwingWorker.class \
   66                 TableMap.class \
   67                 WizardStep.class

   69 include         $(SRC)/Makefile.master

   71 CLASSPATH=      $(SRC)/cmd/cmd-inet/usr.sadm/dhcpmgr

   73 JAVAFILES =     $(CLASSFILES:.class=.java)
   74 JAVAFLAGS =     -source 1.6 -target 1.6 -Xlint:-deprecation,-options

   76 MSGDIR=         $(ROOT)/usr/share/lib/locale/com/sun/dhcpmgr/ui
   77 MSGDIRS =       $(ROOT)/usr/share/lib/locale \
   78                 $(ROOT)/usr/share/lib/locale/com \
   79                 $(ROOT)/usr/share/lib/locale/com/sun \
   80                 $(ROOT)/usr/share/lib/locale/com/sun/dhcpmgr \
   81                 $(MSGDIR)

   83 MSGFILES=       ResourceBundle.properties
   84 MSGS=           $(MSGFILES:%=$(MSGDIR)/%)

   86 CLEANFILES=     *.class
   87 CLOBBERFILES=

   89 .KEEP_STATE:

   91 all: $(CLASSFILES)

   93 install: all

   95 _msg: $(MSGDIRS) $(MSGS)

   97 $(MSGDIR)/%: %
   98         $(INS.file)

  100 $(MSGDIRS):
  101         $(INS.dir)

  103 lint:

  105 clean:
  106         $(RM) $(CLEANFILES)

  108 clobber: clean
```

```
**********************************************************
   2723 Sun May  4 07:12:43 2014
new/usr/src/cmd/dtrace/test/cmd/jdtrace/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  19 # CDDL HEADER END
  20 #

  22 #
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  25 #
  26 # ident "%Z%%M% %I%     %E% SMI"

  28 PROG = jdtrace
  29 SRCS = jdtrace.c

  31 include $(SRC)/cmd/Makefile.cmd

  33 ROOTOPTPKG = $(ROOT)/opt/SUNWdtrt
  34 ROOTBIN = $(ROOTOPTPKG)/bin
  35 ROOTLIB = $(ROOTOPTPKG)/lib
  36 ROOTLIBJAVA = $(ROOTLIB)/java

  38 # Use the proto dtrace.jar if it exists, otherwise use whatever is
  39 # installed on the system. It should be possible to build
  40 # usr/src/cmd/dtrace/test independently, even if only on systems that
  41 # have a compatible dtrace.jar installed.
  42 DTRACE_JAR=usr/share/lib/java/dtrace.jar
  43 PROTO_DTRACE_JAR=$(ROOT)/$(DTRACE_JAR)
  44 INSTALLED_DTRACE_JAR=/$(DTRACE_JAR)
  45 CLASSPATH=$(PROTO_DTRACE_JAR):$(INSTALLED_DTRACE_JAR)
  46 DTEST_DIR=$(SRC)/cmd/dtrace/test
  47 CLASSDIR=classes
  48 LIBDIR=lib
  49 MANIFESTDIR=manifest
  50 MANIFEST=$(MANIFESTDIR)/jdtrace.jar-manifest
  51 JDTRACE_JAR=$(LIBDIR)/jdtrace.jar

  53 PROTO_JDTRACE_JAR=$(ROOTLIBJAVA)/jdtrace.jar
  54 CMD = $(ROOTBIN)/jdtrace
  55 XLIST = $(ROOTBIN)/exception.lst

  57 $(PROTO_JDTRACE_JAR) := FILEMODE = 0644
  58 $(CMD) := FILEMODE = 0555
  59 $(XLIST) := FILEMODE = 0444

  61 all: $(JDTRACE_JAR) $(PROG)
```

```
  63 clean:
  64         -$(RM) $(CLASSDIR)/*.class

  66 clobber: clean
  67         -$(RM) $(JDTRACE_JAR)
  68         -$(RM) $(PROG)

  70 lint:

  72 install: all $(PROTO_JDTRACE_JAR) $(CMD) $(XLIST)

  74 $(PROG): $(SRCS)
  75         $(LINK.c) -o $@ $(SRCS) $(LDLIBS)
  76         $(POST_PROCESS) ; $(STRIP_STABS)

  78 JFLAGS= -g -cp $(CLASSPATH) -d $(CLASSDIR)
  79 JFLAGS += -source 1.5 -target 1.6 -Xlint:all,-options
  78 JFLAGS= -g -cp $(CLASSPATH) -d $(CLASSDIR) -deprecation
  79 JFLAGS += -target 1.5
  80 JFLAGS += -Xlint
  80 COMPILE.java=$(JAVAC) $(JFLAGS)
  81 JAVASRC= JDTrace.java Getopt.java

  83 $(JDTRACE_JAR): $(JAVASRC)
  84         @mkdir -p $(CLASSDIR)
  85         @mkdir -p $(LIBDIR)
  86         $(COMPILE.java) $(JAVASRC)
  87         $(JAR) -cmf $(MANIFEST) $(JDTRACE_JAR) -C $(CLASSDIR) .

  89 $(PROTO_JDTRACE_JAR): $(ROOTLIBJAVA)

  91 $(CMD): $(ROOTBIN)

  93 $(XLIST): $(ROOTBIN)

  95 $(ROOTBIN):
  96         $(INS.dir)

  98 $(ROOTLIB):
  99         $(INS.dir)

 101 $(ROOTLIBJAVA): $(ROOTLIB)
 102         $(INS.dir)

 104 $(ROOTLIBJAVA)/%.jar: $(LIBDIR)/%.jar
 105         $(INS.file)

 107 $(ROOTBIN)/%: %
 108         $(INS.file)
```

```
*********************************************************
    2204 Sun May  4 07:12:43 2014
new/usr/src/cmd/dtrace/test/tst/common/java_api/Makefile
4719 Common patchset for jdk1.7 support preparation
*********************************************************
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  22 #
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  25 #
  26 #ident  "%Z%%M% %I%     %E% SMI"

  28 include $(SRC)/Makefile.master

  30 ROOTOPTPKG = $(ROOT)/opt/SUNWdtrt
  31 JAR_DSTDIR = $(ROOTOPTPKG)/tst/common/java_api
  32 JAR_SRCDIR = $(SRC)/cmd/dtrace/test/tst/common/java_api

  34 # Use the proto dtrace.jar if it exists, otherwise use whatever is
  35 # installed on the system. It should be possible to build
  36 # usr/src/cmd/dtrace/test independently, even if only on systems that
  37 # have a compatible dtrace.jar installed.
  38 DTRACE_JAR=usr/share/lib/java/dtrace.jar
  39 PROTO_DTRACE_JAR=$(ROOT)/$(DTRACE_JAR)
  40 INSTALLED_DTRACE_JAR=/$(DTRACE_JAR)
  41 CLASSPATH=$(PROTO_DTRACE_JAR):$(INSTALLED_DTRACE_JAR)
  42 SRCDIR=src
  43 CLASSDIR=classes
  44 MANIFESTDIR=manifest
  45 MANIFEST=$(MANIFESTDIR)/test.jar-manifest
  46 TEST_JAR=$(JAR_SRCDIR)/test.jar
  47 PROTO_TEST_JAR=$(JAR_DSTDIR)/test.jar

  49 default: $(TEST_JAR)

  51 clean:
  52         $(RM) $(CLASSDIR)/*.class

  54 clobber: clean
  55         $(RM) $(TEST_JAR)

  57 all: default

  59 lint:

  61 install: all $(PROTO_TEST_JAR)
```

```
  63 JFLAGS= -g -cp $(CLASSPATH) -d $(CLASSDIR)
  64 JFLAGS += -source 1.5 -target 1.6 -Xlint:all,-options,-rawtypes
  63 JFLAGS= -g -cp $(CLASSPATH) -d $(CLASSDIR) -deprecation
  64 JFLAGS += -target 1.5
  65 JFLAGS += -Xlint
  65 COMPILE.java=$(JAVAC) $(JFLAGS)

  67 $(TEST_JAR): $(SRCDIR)/*.java
  68         @mkdir -p $(CLASSDIR)
  69         $(COMPILE.java) $(SRCDIR)/*.java
  70         $(JAR) -cmf $(MANIFEST) $(TEST_JAR) -C $(CLASSDIR) .

  72 $(PROTO_TEST_JAR): $(JAR_DSTDIR)

  74 $(JAR_DSTDIR):
  75         $(INS.dir)

  77 $(JAR_DSTDIR)/%: $(JAR_SRCDIR)/%
  78         $(INS.file)
```

```
   **********************************************************
       3994 Sun May  4 07:12:44 2014
   new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestAbort.java
   4719 Common patchset for jdk1.7 support preparation
   **********************************************************
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    17   * information: Portions Copyright [yyyy] [name of copyright owner]
    18   *
    19   * CDDL HEADER END
    20   */

    22  /*
    23   * Copyright 2006 Sun Microsystems, Inc.  All rights reserved.
    24   * Use is subject to license terms.
    25   *
    26   * ident        "%Z%%M% %I%     %E% SMI"
    27   */

    29  import org.opensolaris.os.dtrace.*;
    30  import java.util.NoSuchElementException;

    32  /**
    33   * Regression for 6426129 abort() after close() throws
    34   * NoSuchElementException.
    35   */
    36  public class TestAbort {
    37      static boolean aborted = false;

    39      public static void
    40      main(String[] args)
    41      {
    42          Consumer consumer = new LocalConsumer();

    44          // Test for deadlock (bug 6419880)
    45          try {
    46              consumer.open();
    47              consumer.compile("syscall:::entry { @[execname] = count(); } " +
    48                      "tick-101ms { printa(@); }");
    49              consumer.enable();
    50              consumer.go();
    51              try {
    52                  Thread.sleep(1000);
    52                  Thread.currentThread().sleep(1000);
    53              } catch (InterruptedException e) {
    54                  e.printStackTrace();
    55                  System.exit(1);
    56              }
    57              consumer.close();
    58          } catch (DTraceException e) {
    59              e.printStackTrace();
    60              System.exit(1);
```

```
    61          }

    63          consumer = new LocalConsumer();

    65          // Should be able to abort an unopened consumer
    66          try {
    67              aborted = false;
    68              consumer.addConsumerListener(new ConsumerAdapter() {
    69                  public void consumerStopped(ConsumerEvent e) {
    70                      aborted = true;
    71                  }
    72              });
    73              consumer.abort();
    74              consumer.open();
    75              consumer.compile("syscall:::entry { @[execname] = count(); } " +
    76                      "tick-101ms { printa(@); }");
    77              consumer.enable();
    78              consumer.go();
    79              try {
    80                  Thread.sleep(1000);
    80                  Thread.currentThread().sleep(1000);
    81              } catch (InterruptedException e) {
    82                  e.printStackTrace();
    83                  System.exit(1);
    84              }
    85              if (!aborted) {
    86                  throw new IllegalStateException("consumer not aborted");
    87              }
    88              consumer.close();
    89          } catch (Exception e) {
    90              e.printStackTrace();
    91              System.exit(1);
    92          }

    94          consumer = new LocalConsumer();

    96          // Should be safe to call abort() in any state
    97          try {
    98              consumer.abort();
    99              consumer.open();
   100              consumer.abort();
   101              consumer.compile("syscall:::entry { @[execname] = count(); } " +
   102                      "tick-101ms { printa(@); }");
   103              consumer.abort();
   104              consumer.enable();
   105              consumer.abort();
   106              consumer.go();
   107              consumer.abort();
   108              consumer.close();
   109              // Should be safe to call after close()
   110              try {
   111                  consumer.abort();
   112              } catch (NoSuchElementException e) {
   113                  e.printStackTrace();
   114                  System.exit(1);
   115              }
   116          } catch (Exception e) {
   117              e.printStackTrace();
   118              System.exit(1);
   119          }

   121          consumer = new LocalConsumer();

   123          // Tests that close() throws expected exception when called on
   124          // synchronized consumer.
   125          try {
```

```
 126                consumer.open();
 127                consumer.compile("syscall:::entry { @[execname] = count(); } " +
 128                        "tick-101ms { printa(@); }");
 129                consumer.enable();
 130                consumer.go();
 131                try {
 132                    Thread.sleep(1000);
 132                    Thread.currentThread().sleep(1000);
 133                } catch (InterruptedException e) {
 134                    e.printStackTrace();
 135                    System.exit(1);
 136                }
 137                try {
 138                    synchronized (consumer) {
 139                        consumer.close();
 140                    }
 141                } catch (IllegalThreadStateException e) {
 142                    try {
 143                        consumer.close();
 144                        System.out.println("Successful");
 145                        System.exit(0);
 146                    } catch (NoSuchElementException x) {
 147                        x.printStackTrace();
 148                        System.exit(1);
 149                    }
 150                }
 151            } catch (DTraceException e) {
 152                e.printStackTrace();
 153                System.exit(1);
 154            }
 155            System.err.println("Failed");
 156            System.exit(1);
 157        }
 158 }
_____unchanged_portion_omitted_
```

```
**********************************************************
    2340 Sun May  4 07:12:44 2014
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestClose.java
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  20  */

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  25  *
  26  * ident       "%Z%%M% %I%     %E% SMI"
  27  */

  29 import org.opensolaris.os.dtrace.*;

  31 /**
  32  * Regression for bug 6419880 close() hangs running consumer.
  33  */
  34 public class TestClose {
  35     public static void
  36     main(String[] args)
  37     {
  38         Consumer consumer = new LocalConsumer();

  40         try {
  41             consumer.open();
  42             consumer.compile("syscall:::entry { @[execname] = count(); } " +
  43                 "tick-101ms { printa(@); }");
  44             consumer.enable();
  45             consumer.go();
  46             try {
  47                 Thread.sleep(1000);
  47                 Thread.currentThread().sleep(1000);
  48             } catch (InterruptedException e) {
  49                 e.printStackTrace();
  50                 System.exit(1);
  51             }
  52             consumer.close();
  53         } catch (DTraceException e) {
  54             e.printStackTrace();
  55             System.exit(1);
  56         }

  58         consumer = new LocalConsumer();

  60         try {
```

```
  61             consumer.open();
  62             consumer.compile("syscall:::entry { @[execname] = count(); } " +
  63                 "tick-101ms { printa(@); }");
  64             consumer.enable();
  65             consumer.go();
  66             try {
  67                 Thread.sleep(1000);
  67                 Thread.currentThread().sleep(1000);
  68             } catch (InterruptedException e) {
  69                 e.printStackTrace();
  70                 System.exit(1);
  71             }
  72             try {
  73                 // Test new rule that close() is illegal while holding
  74                 // lock on consumer.
  75                 synchronized (consumer) {
  76                     consumer.close();
  77                 }
  78             } catch (IllegalThreadStateException e) {
  79                 consumer.close();
  80                 System.out.println("Successful");
  81                 System.exit(0);
  82             }
  83         } catch (DTraceException e) {
  84             e.printStackTrace();
  85             System.exit(1);
  86         }
  87         System.err.println("Failed");
  88         System.exit(1);
  89     }
  90 }
_____unchanged_portion_omitted_
```

```
**********************************************************
    4192 Sun May  4 07:12:44 2014
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestDrop.java
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  18  *
  19  * CDDL HEADER END
  20  */

  22 /*
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  24  * Use is subject to license terms.
  25  *
  26  * ident        "%Z%%M% %I%     %E% SMI"
  27  */
  28 import java.util.*;
  29 import java.util.concurrent.atomic.*;
  30 import org.opensolaris.os.dtrace.*;

  32 /**
  33  * Regression test for 6521523 aggregation drops can hang the Java
  34  * DTrace API.
  35  */
  36 public class TestDrop {
  37     static final String PROGRAM =
  38             "fbt:genunix::entry { @[execname, pid] = count(); }";

  40     static AtomicLong consumerThreadID = new AtomicLong();
  41     static AtomicLong getAggregateThreadID = new AtomicLong();
  42     static AtomicBoolean done = new AtomicBoolean();
  43     static int seconds;

  45     private static void
  46     startTimer()
  47     {
  48         if (seconds <= 0) {
  49             return;
  50         }

  52         final Timer timer = new Timer();
  53         timer.schedule(new TimerTask() {
  54             public void run() {
  55                 done.set(true);
  56                 timer.cancel();
  57             }
  58         }, seconds * 1000L);
  59     }

  61     private static void
```

```
  62     sampleAggregate(Consumer consumer) throws DTraceException
  63     {
  64         while (consumer.isRunning() && !done.get()) {
  65             try {
  66                 Thread.sleep(50);
  66                 Thread.currentThread().sleep(50);
  67             } catch (InterruptedException e) {
  68             }

  70             consumer.getAggregate(Collections. <String> emptySet());
  71         }
  72     }

  74     private static void
  75     startAggregateThread(final Consumer consumer)
  76     {
  77         Runnable aggregateSampler = new Runnable() {
  78             public void run() {
  79                 Thread t = Thread.currentThread();
  80                 getAggregateThreadID.set(t.getId());
  81                 Throwable x = null;
  82                 try {
  83                     sampleAggregate(consumer);
  84                 } catch (Throwable e) {
  85                     x = e;
  86                 }

  88                 if (Thread.holdsLock(LocalConsumer.class)) {
  89                     if (x != null) {
  90                         x.printStackTrace();
  91                     }
  92                     System.out.println("Lock held");
  93                     System.exit(1);
  94                 } else {
  95                     System.out.println("Lock released");
  96                     consumer.close(); // blocks if lock held
  97                 }
  98             }
  99         };

 101         Thread t = new Thread(aggregateSampler, "Aggregate Sampler");
 102         t.start();
 103     }

 105     static void
 106     usage()
 107     {
 108         System.err.println("usage: java TestDrop [ seconds ]");
 109         System.exit(2);
 110     }

 112     public static void
 113     main(String[] args)
 114     {
 115         if (args.length == 1) {
 116             try {
 117                 seconds = Integer.parseInt(args[0]);
 118             } catch (NumberFormatException e) {
 119                 usage();
 120             }
 121         } else if (args.length > 1) {
 122             usage();
 123         }

 125         final Consumer consumer = new LocalConsumer() {
 126             protected Thread createThread() {
```

```
127                    Runnable worker = new Runnable() {
128                        public void run() {
129                            Thread t = Thread.currentThread();
130                            consumerThreadID.set(t.getId());
131                            work();
132                        }
133                    };
134                    Thread t = new Thread(worker);
135                    return t;
136                }
137            };

139            consumer.addConsumerListener(new ConsumerAdapter() {
140                public void consumerStarted(ConsumerEvent e) {
141                    startAggregateThread(consumer);
142                    startTimer();
143                }
144                public void dataDropped(DropEvent e) throws ConsumerException {
145                    Thread t = Thread.currentThread();
146                    if (t.getId() == getAggregateThreadID.get()) {
147                        Drop drop = e.getDrop();
148                        throw new ConsumerException(drop.getDefaultMessage(),
149                                drop);
150                    }
151                }
152            });

154            try {
155                consumer.open();
156                consumer.setOption(Option.aggsize, Option.kb(1));
157                consumer.setOption(Option.aggrate, Option.millis(101));
158                consumer.compile(PROGRAM);
159                consumer.enable();
160                consumer.go(new ExceptionHandler() {
161                    public void handleException(Throwable e) {
162                        e.printStackTrace();
163                    }
164                });
165            } catch (DTraceException e) {
166                e.printStackTrace();
167            }
168        }
169 }
_____unchanged_portion_omitted_
```

```
**********************************************************
    3268 Sun May  4 07:12:45 2014
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestFunctionLookup.java
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  18  *
  19  * CDDL HEADER END
  20  */

  22 /*
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  25  */

  27 import org.opensolaris.os.dtrace.*;

  29 /**
  30  * Regression for bug 6413280 lookupKernelFunction() and
  31  * lookupUserFunction() truncate last character.
  32  */
  33 public class TestFunctionLookup {
  34     static final String kernelLookupProgram = "sdt:::callout-start { " +
  35         "@[((callout_t *)arg0)->c_func] = count(); }";
  36     static final String userLookupProgram = "pid$target::f2:entry { " +
  37         "@[arg0] = count(); }";

  39     public static void
  40     main(String[] args)
  41     {
  42         if (args.length != 1) {
  43             System.err.println("usage: java TestFunctionLookup <command>");
  44             System.exit(1);
  45         }
  46         String cmd = args[0];

  48         Consumer consumer = new LocalConsumer();
  49         try {
  50             consumer.open();
  51             consumer.compile(kernelLookupProgram);
  52             consumer.enable();
  53             consumer.go();
  54             Aggregate a;
  55             Number address;
  56             String f;
  57             boolean done = false;
  58             for (int i = 0; (i < 20) && !done; ++i) {
  59                 Thread.sleep(100);
  59                 Thread.currentThread().sleep(100);
  60                 a = consumer.getAggregate();
```

```
  61                 for (Aggregation agg : a.getAggregations()) {
  62                     for (Tuple tuple : agg.asMap().keySet()) {
  63                         address = (Number)tuple.get(0).getValue();
  64                         if (address instanceof Integer) {
  65                             int addr = (Integer)address;
  66                             f = consumer.lookupKernelFunction(addr);
  67                         } else {
  68                             long addr = (Long)address;
  69                             f = consumer.lookupKernelFunction(addr);
  70                         }
  71                         if (f.equals("genunix`cv_wakeup")) {
  72                             System.out.println(f);
  73                             done = true;
  74                         }
  75                     }
  76                 }
  77             }
  78             consumer.close();
  79         } catch (Exception e) {
  80             e.printStackTrace();
  81             System.exit(1);
  82         }

  84         consumer = new LocalConsumer();
  85         try {
  86             consumer.open();
  87             int pid = consumer.createProcess(cmd);
  88             consumer.compile(userLookupProgram);
  89             consumer.enable();
  90             consumer.go();
  91             Thread.sleep(500);
  91             Thread.currentThread().sleep(500);
  92             Aggregate a = consumer.getAggregate();
  93             Number address;
  94             String f;
  95             for (Aggregation agg : a.getAggregations()) {
  96                 for (Tuple tuple : agg.asMap().keySet()) {
  97                     address = (Number)tuple.get(0).getValue();
  98                     if (address instanceof Integer) {
  99                         int addr = (Integer)address;
 100                         f = consumer.lookupUserFunction(pid, addr);
 101                     } else {
 102                         long addr = (Long)address;
 103                         f = consumer.lookupUserFunction(pid, addr);
 104                     }
 105                     System.out.println(f);
 106                 }
 107             }
 108             consumer.close();
 109         } catch (Exception e) {
 110             e.printStackTrace();
 111             System.exit(1);
 112         }
 113     }
 114 }
_____unchanged_portion_omitted_
```

```
**********************************************************
   15038 Sun May  4 07:12:45 2014
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStateMachine.java
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  20   */

  22  /*
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  24   * Use is subject to license terms.
  25   *
  26   * ident       "%Z%%M% %I%     %E% SMI"
  27   */

  29  import org.opensolaris.os.dtrace.*;

  31  /**
  32   * Regression test for the LocalConsumer state machine.  Calls Consumer
  33   * methods before and after open(), compile(), enable(), go(), stop(),
  34   * and close() to verify that the calls succeed as expected or fail with
  35   * the expected Java exception.
  36   */
  37  public class TestStateMachine {
  38      static Program program;

  40      static void
  41      exit(int status)
  42      {
  43          exit(status, null);
  44      }

  46      static void
  47      exit(int status, String msg)
  48      {
  49          if (msg != null) {
  50              System.out.println(msg);
  51          }
  52          System.out.flush();
  53          System.err.flush();
  54          System.exit(status);
  55      }

  57      static void
  58      printState(Consumer consumer)
  59      {
  60          System.out.println("open: " + consumer.isOpen());
  61          System.out.println("enabled: " + consumer.isEnabled());
```

```
  62          System.out.println("closed: " + consumer.isClosed());
  63      }

  65      static void
  66      beforeOpen(Consumer consumer)
  67      {
  68          System.out.println("before open");
  69          printState(consumer);

  71          // compile
  72          try {
  73              consumer.compile("syscall:::entry");
  74              exit(1, "compile before open");
  75          } catch (IllegalStateException e) {
  76              System.out.println(e);
  77          } catch (Exception e) {
  78              e.printStackTrace();
  79              exit(1, "compile before open");
  80          }

  82          // enable
  83          try {
  84              consumer.enable();
  85              exit(1, "enable before open");
  86          } catch (IllegalStateException e) {
  87              System.out.println(e);
  88          } catch (Exception e) {
  89              e.printStackTrace();
  90              exit(1, "enable before open");
  91          }

  93          // getOption, setOption, unsetOption
  94          try {
  95              consumer.getOption(Option.bufsize);
  96              exit(1, "getOption before open");
  97          } catch (IllegalStateException e) {
  98              System.out.println(e);
  99          } catch (Exception e) {
 100              e.printStackTrace();
 101              exit(1, "getOption before open");
 102          }
 103          try {
 104              consumer.setOption(Option.bufsize, Option.mb(1));
 105              exit(1, "setOption before open");
 106          } catch (IllegalStateException e) {
 107              System.out.println(e);
 108          } catch (Exception e) {
 109              e.printStackTrace();
 110              exit(1, "setOption before open");
 111          }
 112          try {
 113              consumer.unsetOption(Option.quiet);
 114              exit(1, "unsetOption before open");
 115          } catch (IllegalStateException e) {
 116              System.out.println(e);
 117          } catch (Exception e) {
 118              e.printStackTrace();
 119              exit(1, "unsetOption before open");
 120          }

 122          // createProcess, grabProcess
 123          try {
 124              consumer.createProcess("date");
 125              exit(1, "createProcess before open");
 126          } catch (IllegalStateException e) {
 127              System.out.println(e);
```

```
128              } catch (Exception e) {
129                  e.printStackTrace();
130                  exit(1, "createProcess before open");
131              }
132              try {
133                  consumer.grabProcess(1);
134                  exit(1, "grabProcess before open");
135              } catch (IllegalStateException e) {
136                  System.out.println(e);
137              } catch (Exception e) {
138                  e.printStackTrace();
139                  exit(1, "grabProcess before open");
140              }

142              // listProbes
143              try {
144                  consumer.listProbes(ProbeDescription.EMPTY);
145                  exit(1, "listProbes before open");
146              } catch (IllegalStateException e) {
147                  System.out.println(e);
148              } catch (Exception e) {
149                  e.printStackTrace();
150                  exit(1, "listProbes before open");
151              }

153              // getAggregate
154              try {
155                  consumer.getAggregate();
156                  exit(1, "getAggregate before open");
157              } catch (IllegalStateException e) {
158                  System.out.println(e);
159              } catch (Exception e) {
160                  e.printStackTrace();
161                  exit(1, "getAggregate before open");
162              }

164              // getVersion
165              try {
166                  consumer.getVersion(); // allowed
167              } catch (Exception e) {
168                  e.printStackTrace();
169                  exit(1, "getVersion before open");
170              }
171      }

173      static void
174      beforeCompile(Consumer consumer)
175      {
176          System.out.println("before compile");
177          printState(consumer);

179          // open
180          try {
181              consumer.open();
182              exit(1, "open after open");
183          } catch (IllegalStateException e) {
184              System.out.println(e);
185          } catch (Exception e) {
186              e.printStackTrace();
187              exit(1, "open after open");
188          }

190          // enable
191          try {
192              consumer.enable();
193              exit(1, "enable before compile");
```

```
194          } catch (IllegalStateException e) {
195              System.out.println(e);
196          } catch (Exception e) {
197              e.printStackTrace();
198              exit(1, "enable before compile");
199          }
200      }

202      static void
203      beforeEnable(Consumer consumer)
204      {
205          System.out.println("before enable");
206          printState(consumer);

208          // go
209          try {
210              consumer.go();
211              exit(1, "go before enable");
212          } catch (IllegalStateException e) {
213              System.out.println(e);
214          } catch (Exception e) {
215              e.printStackTrace();
216              exit(1, "go before enable");
217          }
218      }

220      static void
221      beforeGo(Consumer consumer)
222      {
223          System.out.println("before go");
224          printState(consumer);

226          // getAggregate
227          try {
228              consumer.getAggregate();
229              exit(1, "getAggregate before go");
230          } catch (IllegalStateException e) {
231              System.out.println(e);
232          } catch (Exception e) {
233              e.printStackTrace();
234              exit(1, "getAggregate before go");
235          }

237          // lookupKernelFunction, lookupUserFunction
238          try {
239              consumer.lookupKernelFunction(1);
240              exit(1, "lookupKernelFunction before go");
241          } catch (IllegalStateException e) {
242              System.out.println(e);
243          } catch (Exception e) {
244              e.printStackTrace();
245              exit(1, "lookupKernelFunction before go");
246          }
247          try {
248              consumer.lookupUserFunction(1, 1);
249              exit(1, "lookupUserFunction before go");
250          } catch (IllegalStateException e) {
251              System.out.println(e);
252          } catch (Exception e) {
253              e.printStackTrace();
254              exit(1, "lookupUserFunction before go");
255          }

257          // stop
258          try {
259              consumer.stop();
```

```
 260                    exit(1, "stop before go");
 261            } catch (IllegalStateException e) {
 262                System.out.println(e);
 263            } catch (Exception e) {
 264                e.printStackTrace();
 265                exit(1, "stop before go");
 266            }
 267        }

 269        static void
 270        afterGo(Consumer consumer, Program program)
 271        {
 272            System.out.println("after go");
 273            printState(consumer);

 275            // go
 276            try {
 277                consumer.go();
 278                exit(1, "go after go");
 279            } catch (IllegalStateException e) {
 280                System.out.println(e);
 281            } catch (Exception e) {
 282                e.printStackTrace();
 283                exit(1, "go after go");
 284            }

 286            // createProcess, grabProcess
 287            try {
 288                consumer.createProcess("date");
 289                exit(1, "createProcess after go");
 290            } catch (IllegalStateException e) {
 291                System.out.println(e);
 292            } catch (Exception e) {
 293                e.printStackTrace();
 294                exit(1, "createProcess after go");
 295            }
 296            try {
 297                consumer.grabProcess(1);
 298                exit(1, "grabProcess after go");
 299            } catch (IllegalStateException e) {
 300                System.out.println(e);
 301            } catch (Exception e) {
 302                e.printStackTrace();
 303                exit(1, "grabProcess after go");
 304            }

 306            // listProbes
 307            try {
 308                consumer.listProbes(ProbeDescription.EMPTY);
 309                exit(1, "listProbes after go");
 310            } catch (IllegalStateException e) {
 311                System.out.println(e);
 312            } catch (Exception e) {
 313                e.printStackTrace();
 314                exit(1, "listProbes after go");
 315            }

 317            // compile
 318            try {
 319                consumer.compile("syscall:::entry");
 320                exit(1, "compile after go");
 321            } catch (IllegalStateException e) {
 322                System.out.println(e);
 323            } catch (Exception e) {
 324                e.printStackTrace();
 325                exit(1, "compile after go");
```

```
 326            }

 328            // enable
 329            try {
 330                consumer.enable();
 331                exit(1, "enable after go");
 332            } catch (IllegalStateException e) {
 333                System.out.println(e);
 334            } catch (Exception e) {
 335                e.printStackTrace();
 336                exit(1, "enable after go");
 337            }

 339            // getAggregate
 340            try {
 341                consumer.getAggregate();
 342            } catch (Exception e) {
 343                e.printStackTrace();
 344                exit(1, "getAggregate after go");
 345            }

 347            // getProgramInfo
 348            try {
 349                consumer.getProgramInfo(program);
 350            } catch (Exception e) {
 351                e.printStackTrace();
 352                exit(1, "getProgramInfo after go");
 353            }

 355            // getOption, setOption, unsetOption
 356            try {
 357                consumer.getOption(Option.quiet);
 358                consumer.setOption(Option.quiet);
 359                consumer.unsetOption(Option.quiet);
 360            } catch (Exception e) {
 361                e.printStackTrace();
 362                exit(1, "get, set, unset option after go");
 363            }
 364        }

 366        static void
 367        afterStop(Consumer consumer, Program program)
 368        {
 369            System.out.println("after stop");
 370            printState(consumer);

 372            // stop
 373            try {
 374                consumer.stop();
 375                exit(1, "stop after stop");
 376            } catch (IllegalStateException e) {
 377                System.out.println(e);
 378            } catch (Exception e) {
 379                e.printStackTrace();
 380                exit(1, "stop after stop");
 381            }

 383            // getAggregate
 384            try {
 385                consumer.getAggregate();
 386            } catch (Exception e) {
 387                e.printStackTrace();
 388                exit(1, "getAggregate after stop");
 389            }

 391            // getProgramInfo
```

```
392             try {
393                 consumer.getProgramInfo(program);
394             } catch (Exception e) {
395                 e.printStackTrace();
396                 exit(1, "getProgramInfo after stop");
397             }

399             // getOption, setOption, unsetOption
400             try {
401                 consumer.getOption(Option.quiet);
402                 consumer.setOption(Option.quiet);
403                 consumer.unsetOption(Option.quiet);
404             } catch (Exception e) {
405                 e.printStackTrace();
406                 exit(1, "get, set, unset option after stop");
407             }
408         }

410     static void
411     afterClose(Consumer consumer, Program program)
412     {
413         System.out.println("after close");
414         printState(consumer);

416             // open
417             try {
418                 consumer.open();
419                 exit(1, "open after close");
420             } catch (IllegalStateException e) {
421                 System.out.println(e);
422             } catch (Exception e) {
423                 e.printStackTrace();
424                 exit(1, "open after close");
425             }

427             // compile
428             try {
429                 consumer.compile("syscall:::entry");
430                 exit(1, "compile after close");
431             } catch (IllegalStateException e) {
432                 System.out.println(e);
433             } catch (Exception e) {
434                 e.printStackTrace();
435                 exit(1, "compile after close");
436             }

438             // enable
439             try {
440                 consumer.enable();
441                 exit(1, "enable after close");
442             } catch (IllegalStateException e) {
443                 System.out.println(e);
444             } catch (Exception e) {
445                 e.printStackTrace();
446                 exit(1, "enable after close");
447             }

449             // getOption, setOption, unsetOption
450             try {
451                 consumer.getOption(Option.bufsize);
452                 exit(1, "getOption after close");
453             } catch (IllegalStateException e) {
454                 System.out.println(e);
455             } catch (Exception e) {
456                 e.printStackTrace();
457                 exit(1, "getOption after close");
```

```
458             }
459             try {
460                 consumer.setOption(Option.bufsize, Option.mb(1));
461                 exit(1, "setOption after close");
462             } catch (IllegalStateException e) {
463                 System.out.println(e);
464             } catch (Exception e) {
465                 e.printStackTrace();
466                 exit(1, "setOption after close");
467             }
468             try {
469                 consumer.unsetOption(Option.quiet);
470                 exit(1, "unsetOption after close");
471             } catch (IllegalStateException e) {
472                 System.out.println(e);
473             } catch (Exception e) {
474                 e.printStackTrace();
475                 exit(1, "unsetOption after close");
476             }

478             // createProcess, grabProcess
479             try {
480                 consumer.createProcess("date");
481                 exit(1, "createProcess after close");
482             } catch (IllegalStateException e) {
483                 System.out.println(e);
484             } catch (Exception e) {
485                 e.printStackTrace();
486                 exit(1, "createProcess after close");
487             }
488             try {
489                 consumer.grabProcess(1);
490                 exit(1, "grabProcess after close");
491             } catch (IllegalStateException e) {
492                 System.out.println(e);
493             } catch (Exception e) {
494                 e.printStackTrace();
495                 exit(1, "grabProcess after close");
496             }

498             // listProbes
499             try {
500                 consumer.listProbes(ProbeDescription.EMPTY);
501                 exit(1, "listProbes after close");
502             } catch (IllegalStateException e) {
503                 System.out.println(e);
504             } catch (Exception e) {
505                 e.printStackTrace();
506                 exit(1, "listProbes after close");
507             }

509             // getAggregate
510             try {
511                 consumer.getAggregate();
512                 exit(1, "getAggregate after close");
513             } catch (IllegalStateException e) {
514                 System.out.println(e);
515             } catch (Exception e) {
516                 e.printStackTrace();
517                 exit(1, "getAggregate after close");
518             }

520             // getVersion
521             try {
522                 consumer.getVersion(); // allowed
523             } catch (Exception e) {
```

```
524                e.printStackTrace();
525                exit(1, "getVersion after close");
526            }

528            // go
529            try {
530                consumer.go();
531                exit(1, "go after close");
532            } catch (IllegalStateException e) {
533                System.out.println(e);
534            } catch (Exception e) {
535                e.printStackTrace();
536                exit(1, "go after close");
537            }

539            // lookupKernelFunction, lookupUserFunction
540            try {
541                consumer.lookupKernelFunction(1);
542                exit(1, "lookupKernelFunction after close");
543            } catch (IllegalStateException e) {
544                System.out.println(e);
545            } catch (Exception e) {
546                e.printStackTrace();
547                exit(1, "lookupKernelFunction after close");
548            }
549            try {
550                consumer.lookupUserFunction(1, 1);
551                exit(1, "lookupUserFunction after close");
552            } catch (IllegalStateException e) {
553                System.out.println(e);
554            } catch (Exception e) {
555                e.printStackTrace();
556                exit(1, "lookupUserFunction after close");
557            }

559            // stop
560            try {
561                consumer.stop();
562                exit(1, "stop after close");
563            } catch (IllegalStateException e) {
564                System.out.println(e);
565            } catch (Exception e) {
566                e.printStackTrace();
567                exit(1, "stop after close");
568            }

570            // getProgramInfo
571            try {
572                consumer.getProgramInfo(program);
573                exit(1, "getProgramInfo after close");
574            } catch (IllegalStateException e) {
575                System.out.println(e);
576            } catch (Exception e) {
577                e.printStackTrace();
578                exit(1, "getProgramInfo after close");
579            }
580        }

582        public static void
583        main(String[] args)
584        {
585            final Consumer consumer = new LocalConsumer();
586            consumer.addConsumerListener(new ConsumerAdapter() {
587                public void consumerStarted(ConsumerEvent e) {
588                    System.out.println("consumerStarted, running: " +
589                        consumer.isRunning());
```

```
590                    afterGo(consumer, program);
591                }
592                public void consumerStopped(ConsumerEvent e) {
593                    System.out.println("consumerStopped, running: " +
594                        consumer.isRunning());
595                }
596            });

598            try {
599                beforeOpen(consumer);
600                consumer.open();
601                beforeCompile(consumer);
602                program = consumer.compile(
603                    "syscall:::entry { @[execname] = count(); } " +
604                    "tick-101ms { printa(@); }");
605                beforeEnable(consumer);
606                consumer.enable();
607                beforeGo(consumer);
608                System.out.println("before go, running: " + consumer.isRunning());
609                consumer.go();
610                // Avoid race, call afterGo() in ConsumerListener
611                try {
612                    Thread.sleep(300);
612                    Thread.currentThread().sleep(300);
613                } catch (InterruptedException e) {
614                    e.printStackTrace();
615                    exit(1);
616                }
617                consumer.stop();
618                System.out.println("after stop, running: " + consumer.isRunning());
619                afterStop(consumer, program);
620                consumer.close();
621                afterClose(consumer, program);
622            } catch (DTraceException e) {
623                e.printStackTrace();
624                exit(1);
625            }
626        }
627 }
```
_____*unchanged_portion_omitted_*

```
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  20  */

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  25  *
  26  * ident        "%Z%%M% %I%     %E% SMI"
  27  */

  29 import org.opensolaris.os.dtrace.*;

  31 /**
  32  * Test for bug 6399888 stop() hangs if ConsumerListener calls
  33  * synchronized Consumer method
  34  */
  35 public class TestStopLock {
  36     public static void
  37     main(String[] args)
  38     {
  39         final Consumer consumer = new LocalConsumer();
  40         consumer.addConsumerListener(new ConsumerAdapter() {
  41             @Override
  42             public void intervalBegan(ConsumerEvent e) {
  43                 consumer.isRunning();
  44             }
  45         });

  47         try {
  48             consumer.open();
  49             consumer.compile("syscall:::entry { @[execname] = count(); } " +
  50                     "tick-101ms { printa(@); }");
  51             consumer.enable();
  52             consumer.go();
  53             try {
  54                 Thread.sleep(500);
  54                 Thread.currentThread().sleep(500);
  55             } catch (InterruptedException e) {
  56                 e.printStackTrace();
  57                 System.exit(1);
  58             }
  59             consumer.stop();
  60             consumer.close();
```

```
  61         } catch (DTraceException e) {
  62             e.printStackTrace();
  63             System.exit(1);
  64         }
  65         System.out.println("Successful");
  66     }
  67 }
_____unchanged_portion_omitted_
```

```
*********************************************************
    4912 Sun May  4 07:12:46 2014
new/usr/src/cmd/krb5/kadmin/gui/Makefile
4719 Common patchset for jdk1.7 support preparation
*********************************************************
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  25 #
  26 # ident "%Z%%M% %I%     %E% SMI"
  27 #

  29 include $(SRC)/Makefile.master
  30 include $(SRC)/cmd/Makefile.cmd

  32 JAVAFLAGS= -nowarn -O
  32 GUIDIR=$(SRC)/cmd/krb5/kadmin/gui

  34 TOGETHER= KdcGui KdcGuiMain KdcGuiOps KdcGuiRoot
  35 TOGETHERJ=$(TOGETHER:%=%.java)
  36 TOGETHERC=$(TOGETHER:%=classdir/%.class)

  38 OTHER=GuiResource GuiResource_en_US HelpData HelpData_en_US
  39 OTHERJ=$(OTHER:%=%.java)
  40 OTHERC=$(OTHER:%=classdir/%.class)

  42 CLASSES=$(TOGETHER) $(OTHER)
  43 JFILES=$(CLASSES:%=%.java)
  44 CLFILES=$(CLASSES:%=%.class)

  46 GKADMIN=gkadmin
  47 JARFILE=gkadmin.jar
  48 VISLIB=visualrt.jar
  49 HTML=HelpIndex.html
  50 MSGBUNDLEDIR=$(ROOT)/usr/lib/krb5/ListResourceBundle

  52 NONEXFILEMODE=444

  54 #
  55 # Set $KRB5GUILIB
  56 #
  57 KRB5GUILIB=    $(ROOT)/usr/lib/krb5

  59 $(KRB5GUILIB)/$(JARFILE)        :=     FILEMODE= 444
  60 $(KRB5GUILIB)/$(VISLIB)         :=     FILEMODE= 444
```

```
  61 $(KRB5GUILIB)/$(HTML)            :=       FILEMODE= 444

  63 $(KRB5GUILIB)/%:        %
  64             $(INS.file)

  66 .SUFFIXES: .java .class $(SUFFIXES)

  68 CLASSPATH=$(GUIDIR):$(GUIDIR)/classdir:$(GUIDIR)/util:$(GUIDIR)/dataclasses:$(GU

  70 VISRT_CLASSPATH=$(GUIDIR)/visualrt:$(JAVA_ROOT)/jre/lib/rt.jar:$(JAVA_ROOT)/jre/

  72 classdir/%.class: %.java
  73         $(JAVAC) $(JAVAFLAGS) -d classdir -classpath $(CLASSPATH) $<

  75 SUBDIRS= util dataclasses dchanger native
  76 VISDIR= visualrt

  78 def            :=      TARGET= def
  79 all            :=      TARGET= all
  80 install        :=      TARGET= install
  81 install_h      :=      TARGET= install_h
  82 clean          :=      TARGET= clean
  83 clobber        :=      TARGET= clobber
  84 javadoc        :=      TARGET= javadoc
  85 lint           :=      TARGET= lint
  86 clean.lint     :=      TARGET= clean.lint
  87 check          :=      TARGET= check
  88 _msg           :=      TARGET= _msg

  90 .KEEP_STATE:

  92 all: $(VISDIR) .WAIT KdcGui.java classdir $(SUBDIRS) all_local

  94 all_local: $(TOGETHERC) $(OTHERC) $(KRB5SBIN)/$(GKADMIN) \
  95         $(KRB5GUILIB)/$(JARFILE) $(KRB5GUILIB)/$(VISLIB) \
  96         $(KRB5GUILIB)/$(HTML)

  98 $(TOGETHERC): $(TOGETHERJ) $(VISLIB)
  99         $(JAVAC) $(JAVAFLAGS) -d classdir -classpath $(CLASSPATH) $(TOGETHERJ)

 101 $(VISLIB):
 102         cd $(VISDIR); $(MAKE) CLASSPATH=$(VISRT_CLASSPATH) install

 104 $(GKADMIN): $(GKADMIN).template
 105         cat $? | sed -e 's/version_number/$(SEAM_VERS)/' > $@

 107 classdir: FRC
 108         mkdir -p classdir

 110 $(VISDIR): FRC
 111         cd $@; $(MAKE) CLASSPATH=$(VISRT_CLASSPATH) $(TARGET)

 113 $(SUBDIRS): FRC
 114         cd $@; $(MAKE) CLASSPATH=$(CLASSPATH) $(TARGET)

 116 GuiResource_en_US.java: GuiResource.java
 117         cat $? | sed -e 's/GuiResource/GuiResource_en_US/' > $@

 119 HelpData_en_US.java: HelpData.java
 120         cat $? | sed -e 's/HelpData/HelpData_en_US/' > $@

 122 $(JARFILE): classdir/*.class
 123         -$(RM) $(JARFILE)
 124         (cd classdir; $(JAR) cf ../$(JARFILE) *.class)

 126 KdcGui.java: KdcGuiMain.java KdcGuiOps.java KdcGuiRoot.java
```

```
128 install: $(VISDIR) .WAIT classdir $(SUBDIRS) install_local

130 lint:   native

132 ROOTSBINPROGS=  $(KRB5SBIN)/$(GKADMIN)
133 LIBPROGS=       $(JARFILE) $(VISLIB) $(GIF) $(HTML)
134 ROOTLIBPROGS=   $(LIBPROGS:%=$(KRB5LIB)/%)
135 $(ROOTLIBPROGS):=       FILEMODE = 444

137 install_local: all_local

139 _msg: $(MSGBUNDLEDIR) $(MSGBUNDLEDIR)/GuiResource.java $(MSGBUNDLEDIR)/HelpData.

141 $(MSGBUNDLEDIR)/GuiResource.java $(MSGBUNDLEDIR)/HelpData.java:= FILEMODE = 444

143 $(MSGBUNDLEDIR)/%: %
144         $(INS.file)

146 $(MSGBUNDLEDIR):
147         $(INS.dir)

149 javadoc:
150         $(RM) -rf javadoc
151         mkdir javadoc
152         $(JAVADOC) -classpath $(CLASSPATH) -d javadoc *.java \
153         dataclasses/*.java dchanger/*.java native/*.java util/*.java
154         cd visualrt ; $(MAKE) CLASSPATH=$(VISRT_CLASSPATH) $@

156 test: all
157         /bin/env \
158         LD_LIBRARY_PATH=/usr/java/lib:/usr/dt/lib:$(SRC)/cmd/kadmin/gui/native \
159         /usr/bin/java -classpath \
160         .:classdir:native:$(VISLIB):)$(ROOT)/usr/java/lib/rt.jar \
161         KdcGuiMain &

163 echo:
164         @echo $(CLASSES)
165         @echo $(JFILES)
166         @echo $(CLFILES)
167         @echo $(SUFFIXES)

169 clobber: $(VISDIR) $(SUBDIRS) clobber_local
170         -$(RM) visualrt.jar
171         -$(RM) -rf javadoc

173 clean: $(VISDIR) $(SUBDIRS) clean_local

175 clobber_local: clean_local

177 clean_local:
178         $(RM) classdir/*.class $(JARFILE) $(GKADMIN) GuiResource_en_US.java Help

180 FRC:
```

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   25 #
   26 # ident "%Z%%M% %I%   %E% SMI"
   27 #

   29 include ../../../../../Makefile.master
   30 include ../../../../Makefile.cmd

   32 *JAVAFLAGS= -nowarn -O*

   33 GUIDIR=$(SRC)/cmd/krb5/kadmin/gui

   35 CLASSES= PrintUtil Krb5Conf Filter PrincipalList PolicyList Principal Policy Fla

   37 JFILES=$(CLASSES:%=%.java)

   39 CLFILES=$(CLASSES:%=../classdir/%.class)

   41 .SUFFIXES: .java .class $(SUFFIXES)

   43 CLASSPATH=$(GUIDIR):$(GUIDIR)/classdir:$(GUIDIR)/util:$(GUIDIR)/dataclasses:$(GU

   45 ../classdir/%.class: %.java
   46         $(JAVAC) $(JAVAFLAGS) -d ../classdir -classpath $(CLASSPATH) $<

   48 all: $(CLFILES)

   50 install: all

   52 echo:
   53   @echo $(CLASSES)
   54   @echo $(JFILES)
   55   @echo $(CLFILES)
   56   @echo $(SUFFIXES)

   58 clobber : clobber_local

   60 clean: clean_local

   62 clobber_local: clean_local

   64 clean_local:
   65         $(RM) $(CLFILES)
   66         $(RM) ./*.class
   67 FRC:

```
**********************************************************
    8712 Sun May  4 07:12:46 2014
new/usr/src/cmd/krb5/kadmin/gui/dchanger/DCPanel.java
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  19  *
  20  * CDDL HEADER END
  21  */
  22 /*
  23  * ident       "%Z%%M% %I%     %E% SMI"
  24  *
  25  * Copyright (c) 1999-2000 by Sun Microsystems, Inc.
  26  * All rights reserved.
  27  */

  29     import java.awt.*;
  30     import java.awt.event.*;

  32     /**
  33      * Creates a panel with two buttons (+ and - side by side on it). The
  34      * panel registers a DCListener with it that gets notified whenever
  35      * these butons are clicked. <bold>The buttons may also be kept continously
  36      * pressed for faster increments/decrements.</bold>
  37      * <para>
  38      * On a single click of the button, the listener is notified to
  39      * increment/decrement itself by a small amount. When the button is kept
  40      * pressed the following notifications are sent out for larger
  41      * increments/decrements. (It is up to the listener to decide the
  42      * increment/decrement corresponding to large/small.) Moreover, these
  43      * notifications will be sent out much faster if the button is kept
  44      * pressed.
  45      */

  47     // The panel waits for a period of BIG_SLEEP_TIME before the faster
  48     // increments are sent out. They, in turn, are sent out after
  49     // intervals of SMALL_SLEEP_TIME. Therfore, an instance of this class
  50     // is associated with 2 timers - a longer one that starts off and then
  51     // schedules the shorter one. The shorter one keeps scheduling itself
  52     // every time it wakes up.

  54     public class DCPanel extends Panel {

  56     private Button plusButton;
  57     private Button minusButton;

  59     private DCListener listener = null;

  61     private Timer bigTimer;
```

```
  62     private Timer smallTimer;

  64     private static int BIG_SLEEP_TIME   = 1000;
  65     private static int SMALL_SLEEP_TIME = 100;
  66
  67     private boolean incrementFlag;

  69     public DCPanel() {

  71     setLayout(new GridLayout(1, 2));

  73     bigTimer    = new BigTimer();
  74     smallTimer  = new SmallTimer();

  76     bigTimer.start();
  77     smallTimer.start();

  79     plusButton = new DCButton("+");
  80     minusButton = new DCButton("-");

  82     add(plusButton);
  83     add(minusButton);

  85     }

  87     /**
  88      * Ensures that this component is not brought into focus by
  89      * tabbing. This prevents the tab focus from moving in here instead
  90      * of going to a text field.
  91      * @return false always.
  92      */
  93     public boolean isFocusable() {
  93     public boolean isFocusTraversable() {
  94     return false;
  95     }

  97     /**
  98      * Sets the listener for this tab.
  99      * @param listener the DCListener that needs to be notified when the
 100      * buttons on this panel are pressed.
 101      * @return the old listener
 102      */
 103     public DCListener setListener(DCListener listener) {
 104     DCListener oldListener = this.listener;
 105     this.listener = listener;
 106     return oldListener;
 107     }

 109     /**
 110      * Removes the listener when it no longer need to be notified.
 111      * @return the old listener
 112      */
 113     public DCListener removeListener() {
 114     return setListener(null);
 115     }

 117     /**
 118      * Kicks the times into action. Is called when a button is pressed.
 119      */
 120     private void startAction() {
 121     bigTimer.request();
 122     }

 124     /**
 125      * Stops the timers. Is called when a button is released.
 126      */
```

```
127      private void stopAction() {
128      smallTimer.cancel();
129      bigTimer.cancel();
130      }

132      /**
133       * Notifies the listener about whether to increment or decrement and
134       * by how much.
135       * @param bigFlag true if the listener needs to increment/decrement
136       * by a large amount, false otherwise.
137       */
138      private void informListener(boolean bigFlag) {
139      // System.out.println("DCPanel.informListener: " + bigFlag);

141          if (listener != null) {

143              if (bigFlag) {
144              // request a big change
145              if (incrementFlag)
146                  listener.bigIncrement();
147              else
148                  listener.bigDecrement();
149              } else {
150              // request a small change
151              if (incrementFlag)
152                  listener.increment();
153              else
154                  listener.decrement();
155              }

157          }
158
159      } // informListener


162      // ***********************************************
163      //    I N N E R   C L A S S E S   F O L L O W
164      // ***********************************************

166      /**
167       * A timer class since java does not have one.
168       */
169      private abstract class Timer extends Thread {
170      private boolean running = false;

172      /**
173       * Sleeps till the timer's services are requested using wait() and
174       * notify(). Then it does its task and goes back to sleep. And
175       * loops forever like this.
176       */
177      public void run() {
178          while (true) {
179          try {
180              synchronized (this) {
181              running = false;
182              // Wait till the timer is required
183              wait();
184              running = true;
185              }
186              doTask();
187          } catch (InterruptedException e) {}
188          } // while loop
189      } // run method

191      protected void doTask() {} // bug in java workshop
```

```
193      /**
194       * Wakes up the timer.
195       */
196      public synchronized void request() {
197          notify();
198      }

200      /**
201       * Cancels the timer if it is running.
202       */
203      public void cancel() {
204          if (running) {
205          interrupt();
206          }
207      }

209      }// class Timer

211      /**
212       * The first stage of timer - is a longer timer. Wait to see if the
213       * user really wants to amek the increments/decrements go by fast.
214       */
215      private class BigTimer extends Timer {

217      /**
218       * Sleep for the long amount of time. Then inform the listener
219       * to have a bigIncrement/bigDecrement. After that, your job is
220       * done, schedule the smaller (faster) timer from this point on.
221       */
222      protected void doTask() {
223          try {
224          sleep(BIG_SLEEP_TIME);
225          informListener(true);
226          smallTimer.request();
227          } catch (InterruptedException e) {
228          informListener(false);
229          }
230      }

232      } // class BigTimer


235      /**
236       * The second stage of timers. This timer keeps rescheduling itself
237       * everytime it wakes up. In between this, it sends a notification
238       * to the listener to do a big Increment/Decrement.
239       */
240      private class SmallTimer extends Timer {

242      protected void doTask() {
243          try {
244          // loop forever and keep rescheduling yourself
245          while (true) {
246              sleep(SMALL_SLEEP_TIME);
247              informListener(true);
248              }
249          } catch (InterruptedException e) {}
250      } // doTask method

252      } // class SmallTimer

254      /**
255       * A mouse listener to detect when a button has been
256       * pressed/released. One instance of this is bound to the plus
257       * button and the other instance to the minus button.
258       */
```

```
259      private class DCMouseListener extends MouseAdapter {
260      private boolean plusOrMinus;

262          /**
263           * Constructor for DCMouseListener.
264           * @param plusOrMinus true if this is a listener for the plus
265           *     button, false if it is for the minus button.
266           */
267          public DCMouseListener(boolean plusOrMinus) {
268              this.plusOrMinus = plusOrMinus;
269          }

271          /**
272           * Kicks in when the mouse is pressed.
273           */
274          public void mousePressed(MouseEvent e) {
275              incrementFlag = plusOrMinus;
276              DCPanel.this.startAction();
277          }

279          /**
280           * Kicks in when the mouse is released.
281           */
282          public void mouseReleased(MouseEvent e) {
283              incrementFlag = plusOrMinus;
284              DCPanel.this.stopAction();
285              }
286          }

288          /**
289           * The button used by this DCPanel.
290           */
291          private class DCButton extends Button {
292          public DCButton(String text) {
293              super(text);
294              if (text.equals("+"))
295                  addMouseListener(new DCMouseListener(true));
296              else
297                  addMouseListener(new DCMouseListener(false));
298          }

300          /**
301           * Make the button non-focus traversable so that it cannot be
302           * tabbed in to.
303           */
304          public boolean isFocusable() {
304          public boolean isFocusTraversable() {
305              return false;
306          }

308          } // DCButton


311          /**
312           * Test method for DCPanel class to see appearance.
313           */
314          public static void main(String args[]) {
315          Frame f = new Frame("Testing DCPanel");
316          f.add(new DCPanel());
317          f.setBounds(new Rectangle(100, 100, 100, 100));
318          f.setVisible(true);
319          }
320
321 }
```
_____*unchanged_portion_omitted_*

```
*********************************************************
   16039 Sun May  4 07:12:46 2014
new/usr/src/cmd/krb5/kadmin/gui/dchanger/DateTimeDialog.java
4719 Common patchset for jdk1.7 support preparation
*********************************************************
   1 /*
   2  * CDDL HEADER START
   3  *
   4  * The contents of this file are subject to the terms of the
   5  * Common Development and Distribution License, Version 1.0 only
   6  * (the "License").  You may not use this file except in compliance
   7  * with the License.
   8  *
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  11  * See the License for the specific language governing permissions
  12  * and limitations under the License.
  13  *
  14  * When distributing Covered Code, include this CDDL HEADER in each
  15  * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
  16  * If applicable, add the following below this CDDL HEADER, with the
  17  * fields enclosed by brackets "[]" replaced with your own identifying
  18  * information: Portions Copyright [yyyy] [name of copyright owner]
  19  *
  20  * CDDL HEADER END
  21  */
  22 /*
  23  * ident        "%Z%%M% %I%     %E% SMI"
  24  *
  25  * Copyright (c) 1999-2000 by Sun Microsystems, Inc.
  26  * All rights reserved.
  27  */

  29 import java.awt.*;
  30 import java.awt.event.*;
  31 import java.text.*;
  32 import java.util.*;

  34 /**
  35  * This class creates a dialog box that helps the user enter date and
  36  * time with mouse clicks.  The dialog box need only be created
  37  * once. The Ok and Cancel buttons merely call setVisible with an
  38  *  argument of false.
  39  */

  41 // The layout will consist of 3 panels: topPanel contains the
  42 // different labels and fields. middlePanel contains the buttons
  43 // midnight and now. bottomPanel contains the buttons ok, cancel and
  44 // help. The last two panels are separated by a LineSeparator.

  46 public class DateTimeDialog extends Dialog {
  47
  48     private boolean save;

  50     private Frame parent;
  51
  52     private DCPanel dateDCPanel;
  53     private DCPanel yearDCPanel;
  54     private DCPanel hourDCPanel;
  55     private DCPanel minuteDCPanel;
  56     private DCPanel secondDCPanel;
  57
  58     private Choice month;
  59
  60     private DCCircularTextField date;
  61     private DCCircularTextField hour;
```

```
  62     private DCCircularTextField second;
  63     private DCCircularTextField minute;
  64     private DCTextField year;

  66     private Button ok;
  67     private Button cancel;
  68     private Button help;
  69     private Button now;
  70     private Button midnight;

  72     private HelpDialog hd = null;

  74     private Panel topPanel;
  75     private Panel middlePanel;
  76     private Panel bottomPanel;

  78     private GregorianCalendar calendar = null;
  79     private static int MONTH_LEN[] = {31, 28, 31, 30, 31, 30, 31,
  80                                       31, 30, 31, 30, 31};
  81     private static DateFormat df =
  82     DateFormat.getDateTimeInstance(DateFormat.MEDIUM,
  83                                    DateFormat.MEDIUM);
  84     private static Toolkit toolkit = Toolkit.getDefaultToolkit();

  86  // For I18N
  87     private static ResourceBundle rb =
  88     ResourceBundle.getBundle("GuiResource" /* NOI18N */);
  89     private static ResourceBundle hrb =
  90     ResourceBundle.getBundle("HelpData" /* NOI18N */);

  92     /**
  93      * Constructor that lays out the componeents and sets the different
  94      * event handlers.
  95      */
  96     public DateTimeDialog(Frame parent, Color background, Color foreground) {
  97     super(parent, getString("SEAM Date/Time Helper"), true);

  99     this.parent = parent;

 101     setLayout(new GridBagLayout());
 102     addLabels();
 103     addFields(background, foreground);
 104     addDCPanels();
 105     addButtons();
 106     addFocusListeners();
 107     setCurrentTime();
 108     setSize(250, 300);
 109     setResizable(false);

 111     addWindowListener(new DCWindowListener());
 112     //      initializeFocusOnTextField();
 113     }

 115     /**
 116      * Adds the labels only
 117      */
 118     private void addLabels() {

 120     GridBagConstraints gbc = new GridBagConstraints();
 121     gbc.weighty = 1;

 123     topPanel = new Panel();
 124     topPanel.setLayout(new GridBagLayout());
 125     gbc.gridwidth = GridBagConstraints.REMAINDER;
 126     gbc.fill = GridBagConstraints.BOTH;
 127     gbc.anchor = GridBagConstraints.CENTER;
```

```
128        gbc.gridx = 0;
129        gbc.gridy = 0;
130        add(topPanel, gbc);
131
132        gbc.fill = GridBagConstraints.NONE;
133        gbc.anchor = GridBagConstraints.EAST;
134        gbc.gridx = 0;
135        gbc.gridwidth = 1;
136
137        gbc.gridy = 0;
138        topPanel.add(new Label(getString("Month")), gbc);
139
140        gbc.gridy = 1;
141        topPanel.add(new Label(getString("Date")), gbc);
142
143        gbc.gridy = 2;
144        topPanel.add(new Label(getString("Year")), gbc);
145
146        gbc.gridy = 3;
147        topPanel.add(new Label(getString("Hour")), gbc);
148
149        gbc.gridy = 4;
150        topPanel.add(new Label(getString("Minute")), gbc);
151
152        gbc.gridy = 5;
153        topPanel.add(new Label(getString("Second")), gbc);
154    }
155
156    /**
157     * Adds the fields that will store the month, year, date, hour,
158     * minute and second.
159     */
160    private void addFields(Color background, Color foreground) {
161
162        GridBagConstraints gbc = new GridBagConstraints();
163        gbc.weighty = 1;
164
165        month = new Choice();
166        initializeMonth();
167
168        date = new DCCircularTextField("1", 2);
169        date.setMinimum(1);
170        date.setBackground(background);
171        date.setForeground(foreground);
172
173        hour = new DCCircularTextField("00", 2);
174        hour.setMaximum(23);
175        hour.setBackground(background);
176        hour.setForeground(foreground);
177        minute = new DCCircularTextField("00", 2);
178        minute.setBackground(background);
179        minute.setForeground(foreground);
180        second = new DCCircularTextField("00", 2);
181        second.setBackground(background);
182        second.setForeground(foreground);
183
184        year  = new DCTextField("2000", 4);
185        year.setBackground(background);
186        year.setForeground(foreground);
187
188        Panel tempPanel = new Panel();
189        tempPanel.add(month);
190        gbc.gridwidth = GridBagConstraints.REMAINDER;
191        gbc.fill = GridBagConstraints.HORIZONTAL;
192        gbc.anchor = GridBagConstraints.WEST;
193        gbc.gridx = 1;
```

```
194        gbc.gridy = 0;
195        topPanel.add(tempPanel, gbc);
196
197
198        // Remaining fields are in topPanel
199        gbc.gridwidth = 1;
200        gbc.fill = GridBagConstraints.NONE;
201        gbc.gridx = 1;
202
203        gbc.gridy = 1;
204        topPanel.add(date, gbc);
205
206        gbc.gridy = 2;
207        topPanel.add(year, gbc);
208
209        gbc.gridy = 3;
210        topPanel.add(hour, gbc);
211
212        gbc.gridy = 4;
213        topPanel.add(minute, gbc);
214
215        gbc.gridy = 5;
216        topPanel.add(second, gbc);
217
218    }
219
220    // Adds the panels with the +/- buttons for each DCField
221    private void addDCPanels() {
222
223        GridBagConstraints gbc = new GridBagConstraints();
224        gbc.weighty = 1;
225
226        gbc.gridx = 2;
227        gbc.gridwidth = GridBagConstraints.REMAINDER;
228        gbc.gridheight = 1;
229        gbc.fill = GridBagConstraints.NONE;
230
231        dateDCPanel = new DCPanel();
232        yearDCPanel = new DCPanel();
233        hourDCPanel = new DCPanel();
234        minuteDCPanel = new DCPanel();
235        secondDCPanel = new DCPanel();
236
237        gbc.gridy = 1;
238        topPanel.add(dateDCPanel, gbc);
239
240        gbc.gridy = GridBagConstraints.RELATIVE;
241        topPanel.add(yearDCPanel, gbc);
242        topPanel.add(hourDCPanel, gbc);
243        topPanel.add(minuteDCPanel, gbc);
244        topPanel.add(secondDCPanel, gbc);
245
246        dateDCPanel.setListener(date);
247        yearDCPanel.setListener(year);
248        hourDCPanel.setListener(hour);
249        minuteDCPanel.setListener(minute);
250        secondDCPanel.setListener(second);
251
252    }
253
254
255    /**
256     * Sets the strings in the month pull-down menu. Also adds a listener
257     * that will modify the maximum date allowed depending on the month.
258     */
259    private void initializeMonth() {
```

```
260      DateFormatSymbols dfSymbols = new DateFormatSymbols();
261      String[] monthStrings = dfSymbols.getMonths();
262
263          month.removeAll();
264
265          for (int i = 0; i < monthStrings.length; i++) {
266          month.add(monthStrings[i]);
267          }
268
269          month.addItemListener(new DCMonthChangeListener());
270      }
271
272   // Adds all the buttons
273      private void addButtons() {
274
275          GridBagConstraints gbc = new GridBagConstraints();
276          gbc.weighty = 1;
277
278
279          middlePanel = new Panel();
280          now  = new Button(getString("Now"));
281          midnight     = new Button(getString("Midnight"));
282          middlePanel.add(midnight);
283          middlePanel.add(now);
284          gbc.fill = GridBagConstraints.HORIZONTAL;
285          gbc.gridwidth = GridBagConstraints.REMAINDER;
286          gbc.gridx = 0;
287          gbc.gridy = 1;
288          add(middlePanel, gbc);
289
290          gbc.gridwidth = GridBagConstraints.REMAINDER;
291          gbc.gridheight = 1;
292          gbc.fill = GridBagConstraints.BOTH;
293          gbc.gridx = 0;
294          gbc.gridy = 2;
295          add(new LineSeparator(), gbc);
296
297          bottomPanel = new Panel();
298          ok = new Button(getString("OK"));
299          cancel =        new Button(getString("Cancel"));
300          help = new Button(getString("Help"));
301          bottomPanel.add(ok);
302          bottomPanel.add(cancel);
303          bottomPanel.add(help);
304          gbc.fill = GridBagConstraints.HORIZONTAL;
305          gbc.gridwidth = GridBagConstraints.REMAINDER;
306          gbc.gridx = 0;
307          gbc.gridy = 3;
308          add(bottomPanel, gbc);
309
310          DCButtonListener bl = new DCButtonListener();
311          ok.addActionListener(bl);
312          cancel.addActionListener(bl);
313          help.addActionListener(bl);
314          now.addActionListener(bl);
315          midnight.addActionListener(bl);
316
317      }
318
319      /**
320       * Adds a listener to all the text fields so that when they go out
321       * of focus (by tab or clicking), their values are checked for
322       * errors.
323       */
324      private void addFocusListeners() {
325      FocusListener fl = new DCFocusListener();
```

```
326      date.addFocusListener(fl);
327      year.addFocusListener(fl);
328      hour.addFocusListener(fl);
329      minute.addFocusListener(fl);
330      second.addFocusListener(fl);
331      }
332
333      /**
334       * Closes (hides) the dialog box when the user is done
335       * @param save true if the box is being dismissed by clicking on
336       * "ok" and the user wants to retain the modified value, false
337       * otherwise.
338       */
339      private void dateTimeDialogClose(boolean save) {
340          if (save == true) {
341          if (!updateFromGui())
342              return;
343      }
344      this.save = save;
345      setVisible(false);
346      }
347
348      /**
349       * Checks to see is all text fields contain valid values.
350       * @return true if all are valid, false otherwise.
351       */
352      private boolean updateFromGui() {
353          return (checkErrorAndSet(date) && checkErrorAndSet(year) &&
354                  checkErrorAndSet(hour) && checkErrorAndSet(minute) &&
355                  checkErrorAndSet(second));
356      }
357
358      /**
359       * Checks the value stored as text in the field and sets its numeric
360       * value to that if it is legitimate.
361       * @return true if the value was legitimate and got set, false
362       * otherwise.
363       */
364      private boolean checkErrorAndSet(DCTextField tf) {
365          int i = 0;
366          boolean errorState = false;
367          try {
368          i = new Integer(tf.getText().trim()).intValue();
369          errorState = !tf.checkValue(i);
370          } catch (NumberFormatException e2) {
371          errorState =  true;
372          }
373          if (errorState) {
374          tf.selectAll();
375          toolkit.beep();
376          }
377          else
378          tf.setValue(i);
379          return !errorState;
380      }
381
382      /**
383       * Checks if the user requested that the value in this
384       * DateTimeDialog be used e.g., by clicking on "Ok" instead of
385       * "Cancel."
386       * @return true if the user wants to save the value in the
387       * DateTimeDialog, false otherwise.
388       */
389
390      public boolean isSaved() {
391          return save;
```

```
 392         }

 394         /**
 395          * Sets the date and time in fields to the current date and time.
 396          */
 397         public void setCurrentTime() {
 398             setDate(new Date());
 399         }

 401         /**
 402          * Sets the current date of the DateTimeDialog and updates the gui
 403          *   components to reflect that.
 404          * @param date the Date to set it to.
 405          */
 406         public void setDate(Date newDate) {
 407             calendar = new GregorianCalendar();
 408             calendar.setTime(newDate);

 410         // update gui components now

 412         year.setValue(calendar.get(Calendar.YEAR));
 413         month.select(calendar.get(Calendar.MONTH));
 414         date.setValue(calendar.get(Calendar.DATE));

 416         // Make sure the date is in the valid range for the given month
 417         fixDateField();

 419         hour.setValue(calendar.get(Calendar.HOUR_OF_DAY));
 420         minute.setValue(calendar.get(Calendar.MINUTE));
 421         second.setValue(calendar.get(Calendar.SECOND));

 423         }

 425         /**
 426          * Set the time fields to midnight, i.e., clears them.
 427          */
 428         private void setMidnight() {
 429                 hour.setValue(0);
 430                 minute.setValue(0);
 431                 second.setValue(0);
 432         }

 434         /**
 435          * Make sure the date does not exceed the maximum allowable value
 436          * for the currently selected month.
 437          */
 438         private void fixDateField() {
 439             int monthIndex = month.getSelectedIndex();
 440             int max = MONTH_LEN[monthIndex];
 441             date.setMaximum(calendar.isLeapYear(year.getValue()) &&
 442                     monthIndex == 1 ? max + 1 : max);
 443         }
 444     // * *********************************************
 445     //          I N N E R    C L A S S E S    F O L L O W
 446     // * *********************************************
 447     // *********************************************

 449         /**
 450          * Listener for closing the dialog box through the window close
 451          * menu.
 452          */
 453         private class DCWindowListener extends WindowAdapter {
 454         public  void windowClosing(WindowEvent e) {
 455             dateTimeDialogClose(false);
 456             }
 457         }
```

```
 458
 459         /**
 460          * Listener for any change in the month selected through the
 461          * pull down menu
 462          */
 463         private class DCMonthChangeListener implements ItemListener {
 464         public void itemStateChanged(ItemEvent e) {
 465             fixDateField();
 466         }
 467         }

 469         /**
 470          * Listener for all the buttons. The listener is shared for the sake
 471          * of reducing the number of overall listeners.
 472          * TBD: I18N the help
 473          */
 474         private class DCButtonListener implements ActionListener {
 475         public void actionPerformed(ActionEvent e) {
 476             if (e.getSource() == ok) {
 477             DateTimeDialog.this.dateTimeDialogClose(true);
 478             }
 479             else
 480             if (e.getSource() == cancel) {
 481               DateTimeDialog.this.dateTimeDialogClose(false);
 482             }
 483             else
 484               if (e.getSource() == now) {
 485                 DateTimeDialog.this.setCurrentTime();
 486               }
 487             else
 488               if (e.getSource() == midnight) {
 489                   DateTimeDialog.this.setMidnight();
 490               }
 491             else
 492                 if (e.getSource() == help) {
 493                   if (hd != null)
 494                     hd.setVisible(true);
 494                     hd.show();
 495                   else {
 496                     hd = new
 497                       HelpDialog(DateTimeDialog.this.parent,
 498                           getString("Help for Date and Time Dialog"), false);
 499                     hd.setVisible(true);
 500                     hd.setText(getString(hrb, "DateTimeDialogHelp"));
 501                   }
 502                 }
 503         } // actionPerformed
 504     }

 506         /**
 507          * Listener for any change in focus with respect to the text
 508          * fields. When a text field is going out of focus, it detemines if the
 509          * text value in it is valid. If not, it returns focus to that text
 510          * field.
 511          */
 512         private class DCFocusListener extends FocusAdapter {

 514             public void focusLost(FocusEvent e) {
 515             if (!checkErrorAndSet((DCTextField)e.getSource()))
 516                 ((DCTextField)e.getSource()).requestFocus();
 517             }
 518         }

 520         /**
 521          * The string representation of the dialog box.
 522          * @return a String which contians the date and time in locale
```

```
523          * default format, but to MEDIUM length formatting style.
524          */
525         public String toString() {
526             calendar = new GregorianCalendar(year.getValue(),
527                                              month.getSelectedIndex(),
528                                              date.getValue(),
529                                              hour.getValue(),
530                                              minute.getValue(),
531                                              second.getValue());
532             return df.format(calendar.getTime());
533         }

535         /**
536          * Call rb.getString(), but catch exception and return English
537          * key so that small spelling errors don't cripple the GUI
538          *
539          */
540         private static final String getString(String key) {
541             return (getString(rb, key));
542         }

544         private static final String getString(ResourceBundle rb, String key) {
545             try {
546                 String res = rb.getString(key);
547                 return res;
548             } catch (MissingResourceException e) {
549                 System.out.println("Missing resource "+key+", using English.");
550                 return key;
551             }
552         }

554         /*
555         public static final void main(String args[]) {
556             Frame f = new Frame();
557         //  while (true){
558             DateTimeDialog d = new DateTimeDialog(f, Color.white, Color.black);
559             d.setVisible(true);
560             System.out.println(d.toString());
561         //      }
562         }
563         */
564 }
_____unchanged_portion_omitted_
```

```
*********************************************************
    9745 Sun May  4 07:12:47 2014
new/usr/src/cmd/krb5/kadmin/gui/dchanger/DurationHelper.java
4719 Common patchset for jdk1.7 support preparation
*********************************************************
   1 /*
   2  * CDDL HEADER START
   3  *
   4  * The contents of this file are subject to the terms of the
   5  * Common Development and Distribution License, Version 1.0 only
   6  * (the "License").  You may not use this file except in compliance
   7  * with the License.
   8  *
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  11  * See the License for the specific language governing permissions
  12  * and limitations under the License.
  13  *
  14  * When distributing Covered Code, include this CDDL HEADER in each
  15  * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
  16  * If applicable, add the following below this CDDL HEADER, with the
  17  * fields enclosed by brackets "[]" replaced with your own identifying
  18  * information: Portions Copyright [yyyy] [name of copyright owner]
  19  *
  20  * CDDL HEADER END
  21  */
  22 /*
  23  * ident        "%Z%%M% %I%     %E% SMI"
  24  *
  25  * Copyright (c) 1999-2000 by Sun Microsystems, Inc.
  26  * All rights reserved.
  27  */

  29     import java.awt.*;
  30     import java.awt.event.*;
  31     import java.text.NumberFormat;
  32     import java.util.ResourceBundle;
  33     import java.util.MissingResourceException;

  35     /**
  36      * This creates a modal dialog box that lets the user enter a duration of
  37      * time in seconds/minutes/hours/days/weeks/months/years.
  38      */
  39     public class DurationHelper extends Dialog {

  41         private boolean save;

  43         private Frame parent;

  45         private Choice unit;
  46         private TextField value;
  47         private Label  total;

  49         private Button ok;
  50         private Button cancel;
  51         private Button help;
  52         private Button compute;

  54         private HelpDialog hd = null;

  56         // For I18N
  57             private static ResourceBundle rb =
  58             ResourceBundle.getBundle("GuiResource" /* NOI18N */);
  59             private static ResourceBundle hrb =
  60             ResourceBundle.getBundle("HelpData" /* NOI18N */);
```

```
  62         private static String[] units = { getString("Seconds"),
  63                                           getString("Minutes"),
  64                                           getString("Hours"),
  65                                           getString("Days"),
  66                                           getString("Weeks"),
  67                                           getString("Months"),
  68                                           getString("Years")       };
  69         private static int[] unitMultipliers = {1, 60, 60*60, 60*60*24,
  70                                           60*60*24*7, 60*60*24*30,
  71                                           60*60*24*365   };
  72         private static NumberFormat nf = NumberFormat.getInstance();
  73         private static Toolkit toolkit = Toolkit.getDefaultToolkit();

  75         /**
  76          * Constructor for DurationHelper.
  77          * @param parent the parent Frame to whom input will be blocked
  78          * while this dialog box is begin shown(modal behaviour).
  79          */
  80     public DurationHelper(Frame parent,  Color background, Color foreground) {
  81             super(parent, getString("SEAM Duration Helper"), true);

  83             this.parent = parent;

  85             setLayout(new GridBagLayout());
  86             addLabels();
  87             addFields(background, foreground);
  88             addButtons();
  89             setSize(350, 150);
  90             setResizable(false);
  91             addWindowListener(new DHWindowListener());
  92     }

  94     /**
  95      * Adds all the labels.
  96      */
  97     private void addLabels() {
  98         GridBagConstraints gbc = new GridBagConstraints();
  99         gbc.weightx = gbc.weighty = 1;
 100         add(new Label(getString("Unit")), gbc);
 101         add(new Label(getString("Value")), gbc);

 103         gbc.gridx = 3;
 104         gbc.gridy = 0;
 105         add(new Label(getString("Seconds")), gbc);
 106     }

 108     /**
 109      * Initializes the strings for the units.
 110      */
 111     private void initUnits() {
 112         unit = new Choice();
 113         for (int i = 0; i < units.length; i++)
 114             unit.add(units[i]);
 115         unit.select(getString("Hours"));
 116         unit.addItemListener(new ItemListener() {
 117                 public void itemStateChanged(ItemEvent e) {
 118                         DurationHelper.this.checkErrorAndSetTotal();
 119                 }
 120         });
 121     }

 123     /**
 124      * Adds all the fields
 125      */
 126     private void addFields(Color background, Color foreground) {
 127         GridBagConstraints gbc = new GridBagConstraints();
```

```
128          gbc.weightx =  gbc.weighty = 1;
129          initUnits();
130          value = new TextField();
131          value.setBackground(background);
132          value.setForeground(foreground);
133          value.setColumns(10);

135          // TBD: make total large enough to hold the largest int
136          total = new Label("              " /* NO18N */,
137                          Label.RIGHT);
138          gbc.gridx = 0;
139          gbc.gridy = 1;
140          add(unit, gbc);
141          gbc.gridx = 1;
142          add(value, gbc);
143          gbc.gridx = 3;
144          add(total, gbc);

146          value.addActionListener(new ActionListener() {
147                  public void actionPerformed(ActionEvent e) {
148                          DurationHelper.this.durationHelperClose(true);
149                  }
150          });
151      }

153      /**
154       * Adds all the buttons.
155       */
156      private void addButtons() {

158          GridBagConstraints gbc = new GridBagConstraints();
159          gbc.weightx =  gbc.weighty = 1;

161          gbc.gridwidth = GridBagConstraints.REMAINDER;
162          gbc.fill = GridBagConstraints.BOTH;
163          gbc.gridx = 0;
164          gbc.gridy = 2;
165          gbc.insets = new Insets(0, 10, 0, 10);
166          add(new LineSeparator(), gbc);
167          gbc.insets = new Insets(0, 0, 0, 0);

169          Panel p = new Panel();
170          p.setLayout(new GridBagLayout());
171          ok = new Button(getString("OK"));
172          cancel =  new Button(getString("Cancel"));
173          help = new Button(getString("Help"));
174          gbc = new GridBagConstraints();
175          gbc.weightx =  gbc.weighty = 1;
176          p.add(ok, gbc);
177          p.add(cancel, gbc);
178          p.add(help, gbc);

180          ActionListener bl = new ButtonListener();
181          ok.addActionListener(bl);
182          cancel.addActionListener(bl);
183          help.addActionListener(bl);

185          gbc.gridy = 3;
186          gbc.gridwidth = GridBagConstraints.REMAINDER;
187          gbc.fill = GridBagConstraints.HORIZONTAL;
188          add(p, gbc);

190          gbc = new GridBagConstraints();
191          gbc.gridx = 2;
192          gbc.gridy = 1;
193          compute = new Button(getString("="));
```

```
194          add(compute, gbc);
195          compute.addActionListener(bl);

197      }

199      /**
200       * Updates the label called total.
201       * @return false if the text entry in the value
202       * field is not parseable, true otherwise.
203       */
204      private boolean checkErrorAndSetTotal() {
205          try {
206                  String noSpaces = value.getText().trim();
207              value.setText(noSpaces);
208              Long l = Long.valueOf(noSpaces);
209              total.setText(nf.format(l.longValue() *
210                  unitMultipliers[unit.getSelectedIndex()]));
211          } catch (NumberFormatException e) {
212              value.requestFocus();
213              value.selectAll();
214              toolkit.beep();
215              return false;
216          }

218          return true;
219      }

221      /**
222       * Hides the duration helper.
223       * @param save true if the user wants to save the current value in
224       * the dialog box, false if it is to be discarded. This is decided
225       * based on whether the user clicked on the "Ok" button or the
226       * "Cancel" button. Choosing the window close menu is equivalent to
227       * clicking on "Cancel."
228       */
229      private void durationHelperClose(boolean save) {
230          if (save == true) {
231              if (!checkErrorAndSetTotal())
232                      return;
233          }
234          this.save = save;
235          setVisible(false);
236      }

238      /**
239       * Determine whether or not the user wanted to save the value in
240       * this Dialog box. The user indicates this by clicking on the Ok
241       * button to save it and on the Cancel button to discard it. Using the
242       * window close menu responds the same way as cancel.
243       * @return true if the user wanted to use this value,
244       * false if it is to be discarded.
245       */
246      public boolean isSaved() {
247          return save;
248      }

250      /**
251       * The string representation of the contents of this dialog box.
252       * @return a String with the total number of seconds entered.
253       */
254      public String toString() {
255          return total.getText();
256      }

258      // * *********************************************
259      //    I N N E R    C L A S S E S    F O L L O W
```

```
260          // * **********************************************
262          /**
263           * Listener for closing the dialog box through the window close
264           * menu.
265           */
266          private class DHWindowListener extends WindowAdapter {
267              public  void windowClosing(WindowEvent e) {
268                      durationHelperClose(false);
269              }
270          }

272          /**
273           * Listener for all the buttons.
274           * The listener is shared for the sake
275           * of reducing the number of overall listeners.
276           */
277          private class ButtonListener implements ActionListener {
278              public void actionPerformed(ActionEvent e) {
279                  if (e.getSource() == ok) {
280                      DurationHelper.this.durationHelperClose(true);
281                  } else if (e.getSource() == cancel) {
282                      DurationHelper.this.durationHelperClose(false);
283                  } else if (e.getSource() == help) {
284                      if (hd != null)
285                              hd.setVisible(true);
285                              hd.show();
286                      else {
287                          hd = new HelpDialog(DurationHelper. this.parent,
288                              getString("Help for entering time duration"),
289                                  false, 5, 45);
290                          hd.setVisible(true);
291                          hd.setText(getString(hrb, "DurationHelperHelp"));
292                      }
293                  } else if (e.getSource() == compute) {
294                      checkErrorAndSetTotal();
295                  }
296              }
297          }

299          /**
300           * Call rb.getString(), but catch exception
301           * and return English
302           * key so that small spelling errors don't cripple the GUI
303           *
304           */
305          private static final String getString(String key) {
306              return (getString(rb, key));
307          }

309          private static final String getString(ResourceBundle rb, String key) {
310              try {
311                  String res = rb.getString(key);
312                  return res;
313              } catch (MissingResourceException e) {
314                      System.out.println("Missing resource "+key+", using English.");
315                      return key;
316              }
317          }

319          /*
320           * A main method to test this class.
321           */
322          /*
323          public static void main(String args[]) {
324              Frame f = new Frame("Test DurationHelper");
```

```
325              f.setVisible(true); // for help dialog to use this as parent
326              DurationHelper dh = new DurationHelper(f, Color.white, Color.black);
327              dh.setVisible(true);
328              System.out.println("Save is " + dh.save);
329          }
330              */
331 }
_____unchanged_portion_omitted_
```

```
   1 /*
   2  * Copyright 2005 Sun Microsystems, Inc.  All rights reserved.
   3  * Use is subject to license terms.
   4  *
   5  * ident        "%Z%%M% %I%     %E% SMI"
   6  */

   8 import java.awt.*;
   9 import java.awt.event.*;
  10 import java.text.*;
  11 import java.util.*;

  13 /*
  14  * This class creates a dialog box that helps the user select encryption types
  15  * with some mouse clicks.  The dialog box need only be created
  16  * once. The Ok and Cancel buttons merely call setVisible with an
  17  * argument of false.
  18  */

  20 // The layout will consist of 2 panels:
  21 // topPanel contains the dynamic list of encryption type check boxes.
  22 // bottomPanel contains the buttons ok, clear, cancel, and help.
  23 // The two panels are separated by a LineSeparator.

  25 public class EncListDialog extends Dialog {

  27         private boolean save;

  29         private int i;

  31         private Frame parent;

  33         private Button ok;
  34         private Button clear;
  35         private Button cancel;
  36         private Button help;

  38         private HelpDialog hd = null;

  40         private Panel topPanel;
  41         private Panel bottomPanel;

  43         private static Toolkit toolkit = Toolkit.getDefaultToolkit();

  45         private Kadmin kadmin;
  46         private Checkbox cb[];
  47         private Integer grp_num[];
  48         private String encList = "";

  50         // For I18N
  51         private static ResourceBundle rb =
  52             ResourceBundle.getBundle("GuiResource" /* NOI18N */);
  53         private static ResourceBundle hrb =
  54             ResourceBundle.getBundle("HelpData" /* NOI18N */);

  56         /*
  57          * Constructor that lays out the components and sets the different
  58          * event handlers.
  59          */
  60         public EncListDialog(Frame parent, Color background, Color foreground,
  61             Kadmin session) {
```

```
  62             super(parent, getString("SEAM Encryption Type List Helper"),
  63                 true);

  65             this.parent = parent;

  67             this.kadmin = session;

  69             setLayout(new GridBagLayout());
  70             addCheckboxes();

  72             addButtons();
  73             setSize(250, 300);
  74             setResizable(true);

  76             addWindowListener(new DCWindowListener());
  77         }

  79         /*
  80          * Adds the check boxes only
  81          */
  82         private void addCheckboxes() {

  84             GridBagConstraints gbc = new GridBagConstraints();

  86             gbc.weighty = 1;

  88             topPanel = new Panel();
  89             topPanel.setLayout(new GridBagLayout());
  90             gbc.gridwidth = GridBagConstraints.REMAINDER;
  91             gbc.fill = GridBagConstraints.BOTH;
  92             gbc.anchor = GridBagConstraints.CENTER;
  93             gbc.gridx = 0;
  94             gbc.gridy = 0;
  95             add(topPanel, gbc);

  97             gbc.fill = GridBagConstraints.NONE;
  98             gbc.anchor = GridBagConstraints.WEST;
  99             gbc.gridx = 0;
 100             gbc.gridwidth = 1;

 102             String et[] = kadmin.getEncList();

 104             cb = new Checkbox[et.length];
 105             grp_num = new Integer[et.length];

 107             for (int i = 0; i < et.length; i++) {
 108                 String[] grp_enc = et[i].split(" ");
 109                 cb[i] = new Checkbox(grp_enc[1]);
 110                 CBListener cbl = new CBListener();
 111                 cb[i].addItemListener(cbl);
 112                 grp_num[i] = new Integer(grp_enc[0]);
 113                 gbc.gridy = i;
 114                 topPanel.add(cb[i], gbc);
 115             }
 116         }

 118         // Adds all the buttons
 119         private void addButtons() {

 121             GridBagConstraints gbc = new GridBagConstraints();
 122             gbc.weighty = 1;

 124             gbc.gridwidth = GridBagConstraints.REMAINDER;
 125             gbc.gridheight = 1;
 126             gbc.fill = GridBagConstraints.BOTH;
 127             gbc.gridx = 0;
```

```
 128                    gbc.gridy = 2;
 129                    add(new LineSeparator(), gbc);

 131                    bottomPanel = new Panel();
 132                    ok = new Button(getString("OK"));
 133                    clear = new Button(getString("Clear"));
 134                    cancel = new Button(getString("Cancel"));
 135                    help = new Button(getString("Help"));
 136                    bottomPanel.add(ok);
 137                    bottomPanel.add(clear);
 138                    bottomPanel.add(cancel);
 139                    bottomPanel.add(help);
 140                    gbc.fill = GridBagConstraints.HORIZONTAL;
 141                    gbc.gridwidth = GridBagConstraints.REMAINDER;
 142                    gbc.gridx = 0;
 143                    gbc.gridy = 3;
 144                    add(bottomPanel, gbc);

 146                    DCButtonListener bl = new DCButtonListener();
 147                    ok.addActionListener(bl);
 148                    clear.addActionListener(bl);
 149                    cancel.addActionListener(bl);
 150                    help.addActionListener(bl);
 151            }

 153            /*
 154             * Closes (hides) the dialog box when the user is done
 155             * @param save true if the box is being dismissed by clicking on
 156             * "ok" and the user wants to retain the modified value, false
 157             * otherwise.
 158             */
 159            private void encListDialogClose(boolean save) {
 160                    this.save = save;
 161                    setVisible(false);
 162            }

 164            /*
 165             * Checks if the user requested that the value in this
 166             * EncListDialog be used e.g., by clicking on "Ok" instead of
 167             * "Cancel."
 168             * @return true if the user wants to save the value in the
 169             * EncListDialog, false otherwise.
 170             */

 172            public boolean isSaved() {
 173                    return save;
 174            }
 175            /*
 176             * Sets the current enc list for the principal during modification.
 177             * @param enc types of current principal.
 178             */
 179            public void setEncTypes(String e_str) {

 181                    if (e_str.compareTo("") == 0)
 182                            return;

 184                    String[] e_list = e_str.split(" ");

 186                    for (int i = 0; i < e_list.length; i++) {
 187                            for (int j = 0; j < cb.length; j++) {
 188                                    if (cb[j].getLabel().compareTo(e_list[i])
 189                                        == 0) {
 190                                            cb[j].setState(true);
 191                                            break;
 192                                    }
 193                            }
```

```
 194                    }
 195            }

 197            // ************************************************
 198            //      I N N E R    C L A S S E S    F O L L O W
 199            // ************************************************

 201            /*
 202             * Listener for an annoying work around in deselection of a check box
 203             * in case the user doesn't want any items in a grouped list.
 204             */
 205            private class CBListener implements ItemListener {

 207                    public void itemStateChanged(ItemEvent e) {
 208                            Checkbox c = (Checkbox) e.getItemSelectable();

 210                            if (e.getStateChange() == e.DESELECTED) {
 211                                    c.setState(false);
 212                            } else if (e.getStateChange() == e.SELECTED) {
 213                                    for (int i = 0; i < cb.length; i++) {
 214                                            if (c == cb[i]) {
 215                                                    for (int j = 0; j < cb.length; j++) {
 216                                                            if (grp_num[j].equals(grp_num[i])
 217                                                                == true) {
 218                                                                    cb[j].setState(false);
 219                                                            }
 220                                                    }
 221                                                    break;
 222                                            }
 223                                    }
 224                                    c.setState(true);
 225                                    // else what else is there
 226                            }
 227                    }
 228            }

 230            /*
 231             * Listener for closing the dialog box through the window close
 232             * menu.
 233             */
 234            private class DCWindowListener extends WindowAdapter {

 236                    public void windowClosing(WindowEvent e) {
 237                            encListDialogClose(false);
 238                    }
 239            }

 241            /*
 242             * Listener for all the buttons. The listener is shared for the sake
 243             * of reducing the number of overall listeners.
 244             * TBD: I18N the help
 245             */
 246            private class DCButtonListener implements ActionListener {

 248                    public void actionPerformed(ActionEvent e) {
 249                            if (e.getSource() == ok) {
 250                                    EncListDialog.this.encListDialogClose(true);
 251                            } else if (e.getSource() == cancel) {
 252                                    EncListDialog.this.encListDialogClose(false);
 253                            } else if (e.getSource() == clear) {
 254                                    for (int i = 0; i < cb.length; i++) {
 255                                            cb[i].setState(false);
 256                                    }
 257                            } else if (e.getSource() == help) {
 258                                    if (hd != null)
 259                                            hd.setVisible(true);
```

```
259                                                 hd.show();
260                                 else {
261                                         hd = new HelpDialog(
262                                             EncListDialog.this.parent,
263                                             getString(
264                                             "Help for Encryption Type Dialog"),
265                                             false);
266                                         hd.setVisible(true);
267                                         hd.setText(getString(hrb,
268                                             "EncryptionTypeDialogHelp"));
269                                 }
270                         }
271                 } // actionPerformed
272         }

274         /*
275          * The string representation of the dialog box.
276          * @return a String which contians the encryption type list
277          */
278         public String toString() {

280                 for (int i = 0; i < cb.length; i++) {
281                         if (cb[i].getState() == true)
282                                 encList = encList.concat(cb[i].getLabel() +
283                                     " ");
284                 }
285                 return encList;
286         }

288         /*
289          * Call rb.getString(), but catch exception and return English
290          * key so that small spelling errors don't cripple the GUI
291          */
292         private static final String getString(String key) {
293                 return (getString(rb, key));
294         }

296         private static final String getString(ResourceBundle rb, String key) {
297                 try {
298                         String res = rb.getString(key);
299                         return res;
300                 } catch (MissingResourceException e) {
301                         System.out.println("Missing resource "+key+
302                             ", using English.");
303                         return key;
304                 }
305         }
306 }
```
_____*unchanged_portion_omitted_*

```
**********************************************************
    1836 Sun May  4 07:12:47 2014
new/usr/src/cmd/krb5/kadmin/gui/dchanger/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
    1 #
    2 # CDDL HEADER START
    3 #
    4 # The contents of this file are subject to the terms of the
    5 # Common Development and Distribution License, Version 1.0 only
    6 # (the "License").  You may not use this file except in compliance
    7 # with the License.
    8 #
    9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
   10 # or http://www.opensolaris.org/os/licensing.
   11 # See the License for the specific language governing permissions
   12 # and limitations under the License.
   13 #
   14 # When distributing Covered Code, include this CDDL HEADER in each
   15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
   16 # If applicable, add the following below this CDDL HEADER, with the
   17 # fields enclosed by brackets "[]" replaced with your own identifying
   18 # information: Portions Copyright [yyyy] [name of copyright owner]
   19 #
   20 # CDDL HEADER END
   21 #
   22 # Copyright 2005 Sun Microsystems, Inc.  All rights reserved.
   23 # Use is subject to license terms.
   24 #
   25 #pragma ident   "%Z%%M% %I%     %E% SMI"

   27 include ../../../../../Makefile.master
   28 include ../../../../Makefile.cmd

   30 JAVAFLAGS= -nowarn -O

   31 GUIDIR=$(SRC)/cmd/krb5/kadmin/gui

   33 CLASSES=DCPanel DCListener DCTextField DCCircularTextField DateTimeDialog \
   34         DurationHelper LineSeparator EncListDialog

   36 JFILES=$(CLASSES:%=%.java)

   38 CLFILES=$(CLASSES:%=../classdir/%.class)

   40 .SUFFIXES: .java .class $(SUFFIXES)

   42 CLASSPATH=$(GUIDIR):$(GUIDIR)/classdir:$(GUIDIR)/util:$(GUIDIR)/dataclasses:$(GU

   44 ../classdir/%.class: %.java
   45         $(JAVAC) $(JAVAFLAGS) -d ../classdir -classpath $(CLASSPATH) $<

   47 all: $(CLFILES)

   49 install: all

   51 echo:
   52         @echo $(CLASSES)
   53         @echo $(JFILES)
   54         @echo $(CLFILES)
   55         @echo $(SUFFIXES)

   57 clobber : clobber_local

   59 clean: clean_local
```

```
   61 clobber_local: clean_local

   63 clean_local:
   64         $(RM) $(CLFILES)
   65         $(RM) ./*.class

   67 FRC:
```

```
**********************************************************
    1906 Sun May  4 07:12:48 2014
new/usr/src/cmd/krb5/kadmin/gui/native/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
    1 #
    2 # CDDL HEADER START
    3 #
    4 # The contents of this file are subject to the terms of the
    5 # Common Development and Distribution License, Version 1.0 only
    6 # (the "License").  You may not use this file except in compliance
    7 # with the License.
    8 #
    9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
   10 # or http://www.opensolaris.org/os/licensing.
   11 # See the License for the specific language governing permissions
   12 # and limitations under the License.
   13 #
   14 # When distributing Covered Code, include this CDDL HEADER in each
   15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
   16 # If applicable, add the following below this CDDL HEADER, with the
   17 # fields enclosed by brackets "[]" replaced with your own identifying
   18 # information: Portions Copyright [yyyy] [name of copyright owner]
   19 #
   20 # CDDL HEADER END
   21 #
   22 #
   23 # Copyright (c) 1999-2001 by Sun Microsystems, Inc.
   24 # All rights reserved.
   25 #
   26 # ident "%Z%%M% %I%     %E% SMI"
   27 #
   28 # usr/src/cmd/krb5/kadmin/gui/native/Makefile
   29 #

   31 include          $(SRC)/lib/Makefile.lib

   33 SUBDIRS=          $(MACH)

   35 all :=            TARGET= all
   36 clean :=          TARGET= clean
   37 clobber :=        TARGET= clobber
   38 install :=        TARGET= install
   39 lint :=           TARGET= lint

   41 JAVAFLAGS= -nowarn -O

   42 CLASSES=Kadmin

   44 JFILES=$(CLASSES:%=%.java)
   45 CLFILES=$(CLASSES:%=../classdir/%.class)

   47 CLOBBERFILES += $(CLFILES) $(HFILES)

   49 GUI=$(SRC)/cmd/krb5/kadmin/gui
   50 JARFILES=$(GUI)/visualrt.jar:$(JAVA_ROOT)/jre/lib/rt.jar:$(JAVA_ROOT)/jre/lib/i1
   51 GUISUBDIRS=$(GUI)/classdir:$(GUI)/util:$(GUI)/dataclasses:$(GUI)/dchanger:$(GUI)

   53 CLASSPATH=$(GUI):$(GUISUBDIRS):$(JARFILES)

   55 .KEEP_STATE:

   57 all lint install: $(HFILES) $(CLFILES) $(SUBDIRS)

   59 ../classdir/%.class: %.java
   60          $(JAVAC) $(JAVAFLAGS) -d ../classdir -classpath $(CLASSPATH) $<
```

```
   62 test: Test.class
   63          /bin/env LD_LIBRARY_PATH=$(MACH):$(ROOT)/usr/lib/krb5 $(JAVA_ROOT)/bin/j
   64          -classpath $(CLASSPATH) Test

   66 clean clobber: $(SUBDIRS)

   68 $(MACH): FRC
   69          @cd $@; pwd; $(MAKE) $(TARGET)

   71 FRC:
```

```
**********************************************************
    1719 Sun May  4 07:12:48 2014
new/usr/src/cmd/krb5/kadmin/gui/util/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
   1 #
   2 # CDDL HEADER START
   3 #
   4 # The contents of this file are subject to the terms of the
   5 # Common Development and Distribution License, Version 1.0 only
   6 # (the "License").  You may not use this file except in compliance
   7 # with the License.
   8 #
   9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
  10 # or http://www.opensolaris.org/os/licensing.
  11 # See the License for the specific language governing permissions
  12 # and limitations under the License.
  13 #
  14 # When distributing Covered Code, include this CDDL HEADER in each
  15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
  16 # If applicable, add the following below this CDDL HEADER, with the
  17 # fields enclosed by brackets "[]" replaced with your own identifying
  18 # information: Portions Copyright [yyyy] [name of copyright owner]
  19 #
  20 # CDDL HEADER END
  21 #
  22 #
  23 # Copyright (c) 1999-2001 by Sun Microsystems, Inc.
  24 # All rights reserved.
  25 #
  26 # ident "%Z%%M% %I%     %E% SMI"
  27 #

  29 include ../../../../../Makefile.master
  30 include ../../../../Makefile.cmd

  32 JAVAFLAGS= -nowarn -O

  33 GUIDIR=$(SRC)/cmd/krb5/kadmin/gui

  35 CLASSES=HelpDialog ContextHelp ChoiceDialog

  37 JFILES=$(CLASSES:%=%.java)

  39 CLFILES=$(CLASSES:%=../classdir/%.class)

  41 .SUFFIXES: .java .class $(SUFFIXES)

  43 CLASSPATH=$(GUIDIR):$(GUIDIR)/classdir:$(GUIDIR)/util:$(GUIDIR)/dataclasses:$(GU

  45 ../classdir/%.class: %.java
  46         $(JAVAC) $(JAVAFLAGS) -d ../classdir -classpath $(CLASSPATH) $<

  48 all: $(CLFILES)

  50 install: all

  52 echo:
  53         @echo $(CLASSES)
  54         @echo $(JFILES)
  55         @echo $(CLFILES)
  56         @echo $(SUFFIXES)

  58 clobber : clobber_local

  60 clean: clean_local
```

```
  62 clobber_local: clean_local

  64 clean_local:
  65         $(RM) $(CLFILES)

  67 FRC:
```

```
************************************************************
    1615 Sun May  4 07:12:48 2014
new/usr/src/cmd/krb5/kadmin/gui/visualrt/Makefile
4719 Common patchset for jdk1.7 support preparation
************************************************************
    1 #
    2 # CDDL HEADER START
    3 #
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   24 # Use is subject to license terms.
   25 #
   26 # ident "%Z%%M% %I%     %E% SMI"
   27 #

   29 include $(SRC)/Makefile.master

   31 def            :=      TARGET= def
   32 all            :=      TARGET= all
   33 install        :=      TARGET= install
   34 install_h      :=      TARGET= install_h
   35 clean          :=      TARGET= clean
   36 clobber        :=      TARGET= clobber
   37 check          :=      TARGET= check

   39 .KEEP_STATE:

   41 JAVAFLAGS= -nowarn -O
   41 GUIDIR=$(SRC)/cmd/krb5/kadmin/gui
   42 CLASSPATH=$(GUIDIR)/visualrt:$(JAVA_ROOT)/jre/lib/rt.jar:$(JAVA_ROOT)/jre/lib/i1

   44 all clean clobber javadoc _msg:
   45         ( cd sunsoft/jws/visual/rt ; $(MAKE) CLASSPATH=$(CLASSPATH) $@ )

   47 install: all
   48         $(JAR) cvf ../visualrt.jar ./sunsoft/jws/visual/rt/*/*.class ./sunsoft/j
```

```
**********************************************************
    1797 Sun May  4 07:12:48 2014
new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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  25 #
  26 #pragma ident   "%Z%%M% %I%     %E% SMI"
  27 #

  29 include $(SRC)/Makefile.master
  30 JAVAFLAGS = -source 1.5 -target 1.6 -nowarn -O
  30 JAVAFLAGS= -nowarn -O
  31 GUIDIR=$(SRC)/cmd/krb5/kadmin/gui

  33 def            :=      TARGET= def
  34 all            :=      TARGET= all
  35 install        :=      TARGET= install
  36 install_h      :=      TARGET= install_h
  37 clean          :=      TARGET= clean
  38 clobber        :=      TARGET= clobber
  39 lint           :=      TARGET= lint
  40 javadoc        :=      TARGET= javadoc
  41 clean.lint     :=      TARGET= clean.lint
  42 check          :=      TARGET= check
  43 _msg           :=      TARGET= _msg

  45 CLASSPATH=$(GUIDIR)/visualrt:$(JAVA_ROOT)/jre/lib/rt.jar:$(JAVA_ROOT)/jre/lib/i1

  47 SUBDIRS=props base type shadow awt encoding

  49 $(SUBDIRS):
  50         cd $@; $(MAKE) CLASSPATH=$(CLASSPATH) $(TARGET)

  52 .KEEP_STATE:

  54 all: $(SUBDIRS)

  56 clean: $(SUBDIRS)

  58 clobber: $(SUBDIRS)

  60 install: all
```

```
  62 javadoc: $(SUBDIRS)

  64 _msg: $(SUBDIRS)
```

```
**********************************************************
    1125 Sun May  4 07:12:49 2014
new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile.com
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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   25 #
   26 #pragma ident   "%Z%%M% %I%     %E% SMI"
   27 #

   29 JAVAFLAGS = -source 1.5 -target 1.6 -nowarn -O
   29 JAVAFLAGS= -nowarn -O
   30 JRE=$(JAVA_ROOT)/jre/lib
   31 VRT=$(SRC)/cmd/krb5/kadmin/gui/visualrt

   33 CLASSPATH=$(VRT):$(JAVA_ROOT)/jre/lib/rt.jar:$(JAVA_ROOT)/jre/lib/i18n.jar
```

```
**********************************************************
    1536 Sun May  4 07:12:49 2014
new/usr/src/cmd/pools/poold/com/sun/solaris/domain/pools/Makefile
4719 Common patchset for jdk1.7 support preparation
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   24 #
   25 # cmd/pools/poold/com/sun/solaris/domain/pools/Makefile

   27 include $(SRC)/cmd/Makefile.cmd

   29 CLASSPATH =      $(SRC)/cmd/pools/poold
   30 JAVAFLAGS +=     -target 5

   31 SOURCE =         Move.java \
   32                  Expression.java \
   33                  Statistic.java \
   34                  StatisticList.java \
   35                  Monitor.java \
   36                  Objective.java \
   37                  ResourceMonitor.java \
   38                  SystemMonitor.java \
   39                  Solver.java \
   40                  SystemSolver.java \
   41                  DecisionHistory.java \
   42                  DRM.java \
   43                  LogDRM.java \
   44                  Poold.java

   46 all install: $(SOURCE:.java=.class)

   48 # Since more than one class file can be generated from a java source
   49 # file, any failure causes all class files to be removed.

   51 .FAILED: clean

   53 clean:
   54         $(RM) *.class

   56 include $(SRC)/cmd/Makefile.targ
```

new/usr/src/cmd/pools/poold/com/sun/solaris/service/exception/Makefile   1

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   25 #
   26 #ident "%Z%%M% %I%   %E% SMI"
   27 #
   28 # cmd/pools/poold/com/sun/solaris/service/exception/Makefile

   30 include $(SRC)/cmd/Makefile.cmd

   32 CLASSPATH = $(SRC)/cmd/pools/poold
   33 JAVAFLAGS +=   -source 1.4

   34 SOURCE =   SuccinctStackTraceFormatter.java

   36 all install: $(SOURCE:.java=.class)

   38 # Since more than one class file can be generated from a java source
   39 # file, any failure causes all class files to be removed.

   41 .FAILED: clean

   43 clean:
   44         $(RM) *class

   46 include $(SRC)/cmd/Makefile.targ

```
**********************************************************
    1480 Sun May  4 07:12:50 2014
new/usr/src/cmd/pools/poold/com/sun/solaris/service/kstat/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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   25 #
   26 #ident  "%Z%%M% %I%     %E% SMI"
   27 #
   28 # cmd/pools/poold/com/sun/solaris/service/kstat/Makefile

   30 include $(SRC)/cmd/Makefile.cmd

   32 CLASSPATH =      $(SRC)/cmd/pools/poold
   33 JAVAFLAGS +=     -source 1.4

   34 SOURCE =         Kstat.java \
   35                  KstatChainUpdateException.java \
   36                  KstatCtl.java \
   37                  KstatException.java \
   38                  KstatReadException.java \
   39                  KstatTypeNotSupportedException.java

   41 all install: $(SOURCE:.java=.class)

   43 # Since more than one class file can be generated from a java source
   44 # file, any failure causes all class files to be removed.

   46 .FAILED: clean

   48 clean:
   49          $(RM) *class

   51 include $(SRC)/cmd/Makefile.targ
```

```
**********************************************************
    1371 Sun May  4 07:12:50 2014
new/usr/src/cmd/pools/poold/com/sun/solaris/service/locality/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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   25 #
   26 #ident  "%Z%%M% %I%     %E% SMI"
   27 #
   28 # cmd/pools/poold/com/sun/solaris/service/locality/Makefile

   30 include $(SRC)/cmd/Makefile.cmd

   32 CLASSPATH =     $(SRC)/cmd/pools/poold
   33 JAVAFLAGS +=    -source 1.4

   34 SOURCE =        LocalityDomain.java \
   35                 LocalityGroup.java

   37 all install: $(SOURCE:.java=.class)


   40 # Since more than one class file can be generated from a java source
   41 # file, any failure causes all class files to be removed.

   43 .FAILED: clean

   45 clean:
   46         $(RM) *class

   48 include $(SRC)/cmd/Makefile.targ
```

```
************************************************************
    1410 Sun May  4 07:12:50 2014
new/usr/src/cmd/pools/poold/com/sun/solaris/service/logging/Makefile
4719 Common patchset for jdk1.7 support preparation
************************************************************
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   25 #
   26 #ident  "%Z%%M% %I%     %E% SMI"
   27 #
   28 # cmd/pools/poold/com/sun/solaris/service/logging/Makefile

   30 include $(SRC)/cmd/Makefile.cmd

   32 CLASSPATH =      $(SRC)/cmd/pools/poold
   33 JAVAFLAGS +=     -source 1.4

   34 SOURCE =         Facility.java \
   35                  Severity.java \
   36                  SyslogHandler.java \
   37                  SysloglikeFormatter.java

   39 all install: $(SOURCE:.java=.class)

   41 # Since more than one class file can be generated from a java source
   42 # file, any failure causes all class files to be removed.

   44 .FAILED: clean

   46 clean:
   47         $(RM) *class

   49 include $(SRC)/cmd/Makefile.targ
```

```
**********************************************************
    1554 Sun May  4 07:12:50 2014
new/usr/src/cmd/pools/poold/com/sun/solaris/service/pools/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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   25 #
   26 #ident  "%Z%%M% %I%     %E% SMI"
   27 #
   28 # cmd/pools/poold/com/sun/solaris/service/pools/Makefile

   30 include $(SRC)/cmd/Makefile.cmd

   32 CLASSPATH =       $(SRC)/cmd/pools/poold
   33 JAVAFLAGS +=      -source 1.4

   34
   35 SOURCE =          PoolInternal.java \
   36                   Component.java \
   37                   Configuration.java \
   38                   Element.java \
   39                   HRTime.java \
   40                   Property.java \
   41                   PropertyWalk.java \
   42                   Pool.java \
   43                   PoolsException.java \
   44                   Resource.java \
   45                   UnsignedInt64.java \
   46                   Value.java

   48 all install: $(SOURCE:.java=.class)

   50 # Since more than one class file can be generated from a java source
   51 # file, any failure causes all class files to be removed.

   53 .FAILED: clean

   55 clean:
   56         $(RM) *class

   58 include $(SRC)/cmd/Makefile.targ
```

```
**********************************************************
    1386 Sun May  4 07:12:51 2014
new/usr/src/cmd/pools/poold/com/sun/solaris/service/timer/Makefile
4719 Common patchset for jdk1.7 support preparation
**********************************************************
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   22 #
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   25 #
   26 #ident  "%Z%%M% %I%     %E% SMI"
   27 #
   28 # cmd/pools/poold/com/sun/solaris/service/logging/Makefile

   30 include $(SRC)/cmd/Makefile.cmd

   32 CLASSPATH =      $(SRC)/cmd/pools/poold
   33 JAVAFLAGS +=     -source 1.4

   34 SOURCE =         RecurringEventTimer.java \
   35                  SimpleRecurringEventTimer.java

   37 all install: $(SOURCE:.java=.class)

   39 # Since more than one class file can be generated from a java source
   40 # file, any failure causes all class files to be removed.

   42 .FAILED: clean

   44 clean:
   45         $(RM) *class

   47 include $(SRC)/cmd/Makefile.targ
```

****
    5628 Sun May 4 07:12:51 2014
new/usr/src/lib/libdtrace_jni/java/Makefile
4719 Common patchset for jdk1.7 support preparation
****
```
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 22 #
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 25 #

 27 include $(SRC)/Makefile.master

 29 # The Java DTrace API package

 31 PKGPATH=org/opensolaris/os/dtrace
 32 PKGNAME=org.opensolaris.os.dtrace

 34 # The Java DTrace API directories

 36 APIDIR=$(SRC)/lib/libdtrace_jni/java
 37 CLASSES=$(APIDIR)/classes
 38 JNI=$(APIDIR)/native
 39 JARS=$(APIDIR)/lib
 40 DOCS=$(APIDIR)/docs
 41 DOCAPI=$(DOCS)/api
 42 DOCEXAMPLES=$(DOCS)/examples
 43 DOCHTML=$(DOCS)/html
 44 DOCIMAGES=$(DOCS)/images
 45 MANIFEST=$(APIDIR)/manifest
 46 APIJAVASRC=$(APIDIR)/src

 48 # Java DTrace API jar file, its ultimate destination, and packaging details
 49 APIJAR=dtrace.jar
 50 JARDESTDIR=$(ROOT)/usr/share/lib/java
 51 INSJARS=$(JARDESTDIR)/$(APIJAR)
 52 # javadoc
 53 DOCDESTDIR=$(ROOT)/usr/share/lib/java/javadoc/dtrace
 54 DOCAPIDESTDIR=$(DOCDESTDIR)/api
 55 DOCEXAMPLESDESTDIR=$(DOCDESTDIR)/examples
 56 DOCHTMLDESTDIR=$(DOCDESTDIR)/html
 57 DOCIMAGESDESTDIR=$(DOCDESTDIR)/images

 59 $(JARDESTDIR)/%: $(JARS)/%
 60         $(INS.file)
```

```
 62 $(DOCEXAMPLESDESTDIR)/%: $(DOCEXAMPLES)/%
 63         $(INS.file)

 65 $(DOCHTMLDESTDIR)/%: $(DOCHTML)/%
 66         $(INS.file)

 68 $(DOCIMAGESDESTDIR)/%: $(DOCIMAGES)/%
 69         $(INS.file)

 71 # Manifest files
 72 APIMANI= $(MANIFEST)/dtrace.mf
 73 MANIFESTS= $(APIMANI)

 75 # Controlled CLASSPATH for making
 76 APICLASSPATH=$(CLASSES):$(APIJAVASRC)

 78 # javac flags
 79 JFLAGS= -g -d $(CLASSES) -sourcepath $(APICLASSPATH)
 80 JFLAGS += -source 1.5 -target 1.6
 81 JFLAGS += -Xlint:all,-rawtypes,-options
 79 JFLAGS= -g -d $(CLASSES) -sourcepath $(APICLASSPATH) -deprecation
 80 JFLAGS += -target 1.5
 81 JFLAGS += -Xlint

 83 # The default make rule for Java files
 84 COMPILE.java=$(JAVAC) $(JFLAGS)

 86 $(CLASSES)/$(PKGPATH)/%.class:  $(APIJAVASRC)/$(PKGPATH)/%.java
 87                                 $(COMPILE.java) $<

 89 # javah generated headers
 90 APIHDR= LocalConsumer.h
 91 JNIHDRS=$(JNI)/$(APIHDR)
 91 JNIHDRS=$(JNI)/$(APIHDRS)

 93 # API classes with native methods
 94 JNI_CLASSNAMES=\
 95     LocalConsumer

 97 JNI_CLASSES=${JNI_CLASSNAMES:%=%.class}
 98 DTRACE_JNI_CLASSES=${JNI_CLASSES:%=$(CLASSES)/$(PKGPATH)/%}
 99 JNI_FULL_CLASSNAMES=${JNI_CLASSNAMES:%=$(PKGNAME).%}

101 # All API classes
102 API_CLASSNAMES=\
103         AbstractAggregationValue \
104         Aggregate \
105         AggregateSpec \
106         Aggregation \
107         AggregationRecord \
108         AggregationValue \
109         AvgValue \
110         Consumer \
111         ConsumerAdapter \
112         ConsumerEvent \
113         ConsumerException \
114         ConsumerListener \
115         CountValue \
116         DTraceException \
117         DataEvent \
118         Distribution \
119         Drop \
120         DropEvent \
121         Error \
122         ErrorEvent \
123         ExceptionHandler \
```

```
124             ExitRecord \
125             Flow \
126             InterfaceAttributes \
127             KernelStackRecord \
128             KernelSymbolRecord \
129             LinearDistribution \
130             LocalConsumer \
131             LogDistribution \
132             LogLinearDistribution \
133             MaxValue \
134             MinValue \
135             NativeException \
136             Option \
137             PrintaRecord \
138             PrintfRecord \
139             Probe \
140             ProbeData \
141             ProbeDescription \
142             ProbeInfo \
143             ProcessEvent \
144             ProcessState \
145             Program \
146             ProgramInfo \
147             Record \
148             ResourceLimitException \
149             ScalarRecord \
150             StackFrame \
151             StackValueRecord \
152             StddevValue \
153             SumValue \
154             SymbolValueRecord \
155             Tuple \
156             UserStackRecord \
157             UserSymbolRecord \
158             Utility \
159             ValueRecord

161 API_CLASSES=${API_CLASSNAMES:%=%.class}
162 DTRACE_API_CLASSES=${API_CLASSES:%=$(CLASSES)/$(PKGPATH)/%}


165 all:            $(CLASSES) $(DTRACE_API_CLASSES) $(JNI)/$(APIHDR)

167 clean:
168                 -$(RM) $(CLASSES)/$(PKGPATH)/*.class
169                 -$(RM) $(JNI)/*.h
170                 -$(RM) -r $(DOCAPI)

172 clobber:        clean
173                 -$(RM) $(JARS)/*.jar

175 # Make the class dir, if it doesn't exist
176 $(CLASSES):
177                 -@mkdir -p $@

179 # Make the directory for javah-generated headers, if it doesn't exist
180 $(JNI):
181                 -@mkdir -p $@

183 $(JNI)/$(APIHDR): $(JNI) $(DTRACE_JNI_CLASSES)
184                 $(JAVAH) -o $@ -classpath $(CLASSES) $(JNI_FULL_CLASSNAMES)
185                 -@touch $@

187 # Rule for installing API javadoc.
188 $(DOCAPIDESTDIR)/index.html: $(DTRACE_API_CLASSES)
189                 -@mkdir -p $(DOCAPIDESTDIR)
```

```
190                 -$(RM) -r $(DOCAPIDESTDIR)/*
191                 cd $(APIJAVASRC); umask 022; \
192                 $(JAVADOC) -protected -use -notimestamp \
193                 -classpath $(APICLASSPATH) -d $(DOCAPIDESTDIR) \
194                 $(PKGNAME)

196 $(CLASSES)/$(PKGPATH):
197                 $(INS.dir)

199 $(JARS)/$(APIJAR): $(DTRACE_API_CLASSES) $(APIMANI)
200                 -@mkdir -p $(JARS)
201                 $(JAR) cfm $@ $(APIMANI) -C $(CLASSES) .

203 $(JARDESTDIR):
204                 $(INS.dir)

206 $(DOCDESTDIR):
207                 $(INS.dir)

209 $(DOCAPIDESTDIR):
210                 $(INS.dir)

212 $(DOCEXAMPLESDESTDIR):
213                 $(INS.dir)

215 $(DOCHTMLDESTDIR):
216                 $(INS.dir)

218 $(DOCIMAGESDESTDIR):
219                 $(INS.dir)

221 install:        all $(JARDESTDIR) $(INSJARS) $(DOCDESTDIR) \
222         $(DOCAPIDESTDIR) \
223         $(DOCAPIDESTDIR)/index.html \
224         $(DOCEXAMPLESDESTDIR) \
225         $(DOCEXAMPLESDESTDIR)/TestAPI.java \
226         $(DOCEXAMPLESDESTDIR)/TestAPI2.java \
227         $(DOCEXAMPLESDESTDIR)/TestTarget.java \
228         $(DOCEXAMPLESDESTDIR)/hello.d \
229         $(DOCEXAMPLESDESTDIR)/intrstat.d \
230         $(DOCEXAMPLESDESTDIR)/syscall.d \
231         $(DOCEXAMPLESDESTDIR)/target.d \
232         $(DOCHTMLDESTDIR) \
233         $(DOCHTMLDESTDIR)/JavaDTraceAPI.html \
234         $(DOCHTMLDESTDIR)/fast.html \
235         $(DOCIMAGESDESTDIR) \
236         $(DOCIMAGESDESTDIR)/JavaDTraceAPI.gif

238 # empty targets for top-level building compatability

240 install_h lint:

242 # create API javadoc

244 doc:
245                 -@mkdir -p $(DOCAPI)
246                 cd $(APIJAVASRC); umask 022; \
247                 $(JAVADOC) -protected -use -notimestamp \
248                 -classpath $(APICLASSPATH) -d $(DOCAPI) \
249                 $(PKGNAME)
```

```
        **********************************************************
            39687 Sun May  4 07:12:51 2014
        new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j
        ava
        4719 Common patchset for jdk1.7 support preparation
        **********************************************************
   1  /*
   2   * CDDL HEADER START
   3   *
   4   * The contents of this file are subject to the terms of the
   5   * Common Development and Distribution License (the "License").
   6   * You may not use this file except in compliance with the License.
   7   *
   8   * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
   9   * or http://www.opensolaris.org/os/licensing.
  10   * See the License for the specific language governing permissions
  11   * and limitations under the License.
  12   *
  13   * When distributing Covered Code, include this CDDL HEADER in each
  14   * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
  15   * If applicable, add the following below this CDDL HEADER, with the
  16   * fields enclosed by brackets "[]" replaced with your own identifying
  17   * information: Portions Copyright [yyyy] [name of copyright owner]
  18   *
  19   * CDDL HEADER END
  20   */

  22  /*
  23   * Copyright 2008 Sun Microsystems, Inc.  All rights reserved.
  24   * Use is subject to license terms.
  25   *
  26   * ident       "%Z%%M% %I%     %E% SMI"
  27   */
  28  package org.opensolaris.os.dtrace;

  30  import java.io.*;
  31  import java.util.*;
  32  import java.net.InetAddress;
  33  import java.net.UnknownHostException;
  34  import javax.swing.event.EventListenerList;
  35  import java.util.logging.*;

  37  /**
  38   * Interface to the native DTrace library, each instance is a single
  39   * DTrace consumer.
  40   *
  41   * @author Tom Erickson
  42   */
  43  public class LocalConsumer implements Consumer {
  44      //
  45      // Implementation notes:
  46      //
  47      // libdtrace is *not* thread-safe.  You cannot make multiple calls
  48      // into it simultaneously from different threads, even if those
  49      // threads are operating on different dtrace_hdl_t's.  Calls to
  50      // libdtrace are synchronized on a global lock, LocalConsumer.class.

  52      static Logger logger = Logger.getLogger(LocalConsumer.class.getName());

  54      // Needs to match the version in dtrace_jni.c
  55      private static final int DTRACE_JNI_VERSION = 3;

  57      private static final Option[] DEFAULT_OPTIONS = new Option[] {
  58          new Option(Option.bufsize, Option.kb(256)),
  59          new Option(Option.aggsize, Option.kb(256)),
  60      };
```

```
  62      private static native void _loadJniTable();

  64      // Undocumented configuration options
  65      private static boolean debug;
  66      private static int maxConsumers;

  68      static {
  69          LocalConsumer.configureLogging();
  70          // Undocumented configuration options settable using
  71          // java -Doption=value
  72          LocalConsumer.getConfigurationOptions();

  74          Utility.loadLibrary("libdtrace_jni.so.1", debug);

  76          _checkVersion(DTRACE_JNI_VERSION);
  77          _setDebug(debug);
  78          if (maxConsumers > 0) {
  79              _setMaximumConsumers(maxConsumers);
  80          }

  82          //
  83          // Last of all in case configuration options affect the loading
  84          // of the JNI table.
  85          //
  86          _loadJniTable();
  87      }

  89      // Native JNI interface (see lib/libdtrace_jni/dtrace_jni.c)
  90      private static native void _checkVersion(int version);
  91      private native void _open(OpenFlag[] flags) throws DTraceException;
  92      private native Program _compileString(String program, String[] args)
  93          throws DTraceException;
  94      private native Program.File _compileFile(String path, String[] args)
  95          throws DTraceException;
  96      private native void _exec(Program program) throws DTraceException;
  97      private native void _getProgramInfo(Program program)
  98          throws DTraceException;
  99      private native void _setOption(String option, String value)
 100          throws DTraceException;
 101      private native long _getOption(String option) throws DTraceException;
 102      private native boolean _isEnabled();
 103      private native void _checkProgramEnabling();
 104      private native void _go() throws DTraceException;
 105      private native void _stop() throws DTraceException;
 106      private native void _consume() throws DTraceException;
 107      private native void _interrupt();
 108      private native void _close();
 109      private native Aggregate _getAggregate(AggregateSpec spec)
 110          throws DTraceException;
 111      private native int _createProcess(String cmd) throws DTraceException;
 112      private native void _grabProcess(int pid) throws DTraceException;
 113      private native void _listProbes(List <ProbeDescription> probeList,
 114          ProbeDescription filter);
 115      private native void _listProbeDetail(List <Probe> probeList,
 116          ProbeDescription filter);
 117      private native void _listCompiledProbes(
 118          List <ProbeDescription> probeList, Program program);
 119      private native void _listCompiledProbeDetail(
 120          List <Probe> probeList, Program program);
 121      private static native String _getVersion();
 122      private static native int _openCount();
 123      //
 124      // Releases memory held in the JNI layer after dtrace_close() has
 125      // released critical system resources like file descriptors, and
 126      // calls to libdtrace are no longer needed (or possible).
```

```
127        //
128        private native void _destroy();
129        // Called by LogDistribution
130        static native long _quantizeBucket(int i);
131        //
132        // Cannot be static because the necessary dtrace handle is specific
133        // to this Consumer.
134        //
135        private native String _lookupKernelFunction(Number address);
136        private native String _lookupUserFunction(int pid, Number address);
137        private static native String _getExecutableName();

139        // Undocumented configuration options
140        private static native void _setMaximumConsumers(int max);
141        private static native void _setDebug(boolean debug);

143        protected EventListenerList listenerList;
144        protected ExceptionHandler exceptionHandler;

146        private int _handle = -1;    // native C identifier (do not modify)
147        private final Identifier id; // java identifier

149        private enum State {
150            INIT,
151            OPEN,
152            COMPILED,
153            GO,
154            STARTED,
155            STOPPED,
156            CLOSED
157        }

159        private State state = State.INIT;
160        private boolean stopCalled;
161        private boolean abortCalled;

163        //
164        // Per-consumer lock used in native code to prevent conflict between
165        // the native consumer loop and the getAggregate() thread without
166        // locking this LocalConsumer.  A distinct per-consumer lock allows
167        // the stop() method to be synchronized without causing deadlock
168        // when the consumer loop grabs the per-consumer lock before
169        // dtrace_work().
170        //
171        private Object consumerLock;

173        //
174        // stopLock is a synchronization lock used to ensure that the stop()
175        // method does not return until this consumer has actually stopped.
176        // Correct lock ordering is needed to ensure that listeners cannot
177        // deadlock this consumer:
178        // 1. stop() grabs the lock on this consumer before determining if
179        //    this consumer is running (to ensure valid state).
180        // 2. Once stop() determines that this consumer is actually running,
181        //    it releases the lock on this consumer.  Failing to release the
182        //    lock makes it possible for a ConsumerListener to deadlock this
183        //    consumer by calling any synchronized LocalConcumer method
184        //    (because the listener called by the worker thread prevents the
185        //    worker thread from finishing while it waits for stop() to
186        //    release the lock, which it will never do until the worker
187        //    thread finishes).
188        // 3. stop() interrupts this consumer and grabs the stopLock, then
189        //    waits on the stopLock for this consumer to stop (i.e. for the
190        //    worker thread to finish).
191        // 4. The interrupted worker thread grabs the stopLock when it
192        //    finishes so it can notify waiters on the stopLock (in this
```

```
193        //    case the stop() method) that the worker thread is finished.
194        //    The workEnded flag (whose access is protected by the
195        //    stopLock), is used in case the interrupted worker thread
196        //    finishes and grabs the stopLock before the stop() method does.
197        //    Setting the flag in that case tells the stop() method it has
198        //    nothing to wait for (otherwise stop() would wait forever,
199        //    since there is no one left after the worker thread finishes to
200        //    notify the stop() method to stop waiting).
201        // 5. The worker thread updates the state member to STOPPED and
202        //    notifies listeners while it holds the stopLock and before it
203        //    notifies waiters on the stopLock.  This is to ensure that
204        //    state has been updated to STOPPED and that listeners have
205        //    executed consumerStopped() before the stop() method returns,
206        //    to ensure valid state and in case the caller of stop() is
207        //    relying on anything having been done by consumerStopped()
208        //    before it proceeds to the next statement.
209        // 6. The worker thread notifies waiters on the stopLock before
210        //    releasing it.  stop() returns.
211        //
212        private Object stopLock;
213        private boolean workEnded;

215        private static int sequence = 0;

217        private static void
218        configureLogging()
219        {
220            logger.setUseParentHandlers(false);
221            Handler handler = new ConsoleHandler();
222            handler.setLevel(Level.ALL);
223            logger.addHandler(handler);
224            logger.setLevel(Level.OFF);
225        }

227        private static Integer
228        getIntegerProperty(String name)
229        {
230            Integer value = null;
231            String property = System.getProperty(name);
232            if (property != null && property.length() != 0) {
233                try {
234                    value = Integer.parseInt(property);
235                    System.out.println(name + "=" + value);
236                } catch (NumberFormatException e) {
237                    System.err.println("Warning: property ignored: " +
238                            name + "=" + property);
239                }
240            }
241            return value;
242        }

244        private static void
245        getConfigurationOptions()
246        {
247            Integer property;
248            property = getIntegerProperty("JAVA_DTRACE_API_DEBUG");
249            if (property != null) {
250                debug = (property != 0);
251            }
252            property = getIntegerProperty("JAVA_DTRACE_MAX_CONSUMERS");
253            if (property != null) {
254                maxConsumers = property;
255            }
256        }

258        /**
```

```
259        * Creates a consumer that interacts with the native DTrace library
260        * on the local system.
261        */
262       public
263       LocalConsumer()
264       {
265           id = new LocalConsumer.Identifier(this);
266           consumerLock = new Object();
267           stopLock = new Object();
268           listenerList = new EventListenerList();
269       }

271       /**
272        * Called by native C code only
273        */
274       private int
275       getHandle()
276       {
277           return _handle;
278       }

280       /**
281        * Called by native C code only
282        */
283       private void
284       setHandle(int n)
285       {
286           _handle = n;
287       }

289       public synchronized void
290       open(OpenFlag ... flags) throws DTraceException
291       {
292           if (state == State.CLOSED) {
293               throw new IllegalStateException("cannot reopen a closed consumer");
294           }
295           if (state != State.INIT) {
296               throw new IllegalStateException("consumer already open");
297           }

299           for (OpenFlag flag : flags) {
300               if (flag == null) {
301                   throw new NullPointerException("open flag is null");
302               }
303           }

305           synchronized (LocalConsumer.class) {
306               _open(flags);
307           }

309           state = State.OPEN;
310           setOptions(DEFAULT_OPTIONS);

312           if (abortCalled) {
313               _interrupt();
314           }

316           if (logger.isLoggable(Level.INFO)) {
317               logger.info("consumer table count: " + _openCount());
318           }
319       }

321       private synchronized void
322       checkCompile()
323       {
324           switch (state) {
```

```
325           case INIT:
326               throw new IllegalStateException("consumer not open");
327           case OPEN:
328           case COMPILED: // caller may compile more than one program
329               break;
330           case GO:
331           case STARTED:
332               throw new IllegalStateException("go() already called");
333           case STOPPED:
334               throw new IllegalStateException("consumer stopped");
335           case CLOSED:
336               throw new IllegalStateException("consumer closed");
337           }
338       }

340       public synchronized Program
341       compile(String program, String ... macroArgs) throws DTraceException
342       {
343           if (program == null) {
344               throw new NullPointerException("program string is null");
345           }
346           checkCompile();
347           Program p = null;

349           String[] argv = null;
350           if (macroArgs != null) {
351               for (String macroArg : macroArgs) {
352                   if (macroArg == null) {
353                       throw new NullPointerException("macro argument is null");
354                   }
355               }
356               argv = new String[macroArgs.length + 1];
357               synchronized (LocalConsumer.class) {
358                   //
359                   // Could be an application with an embedded JVM, not
360                   // necessarily "java".
361                   //
362                   argv[0] = _getExecutableName();
363               }
364               System.arraycopy(macroArgs, 0, argv, 1, macroArgs.length);
365           } else {
366               synchronized (LocalConsumer.class) {
367                   argv = new String[] { _getExecutableName() };
368               }
369           }
370           synchronized (LocalConsumer.class) {
371               p = _compileString(program, argv);
372           }
373           p.consumerID = id;
374           p.contents = program;
375           p.validate();
376           state = State.COMPILED;

378           return p;
379       }

381       public synchronized Program
382       compile(File program, String ... macroArgs) throws DTraceException,
383               IOException, SecurityException
384       {
385           if (program == null) {
386               throw new NullPointerException("program file is null");
387           }
388           if (!program.canRead()) {
389               throw new FileNotFoundException("failed to open " +
390                       program.getName());
```

```
391              }
392          checkCompile();
393          Program.File p = null;

395          String[] argv = null;
396          if (macroArgs != null) {
397              for (String macroArg : macroArgs) {
398                  if (macroArg == null) {
399                      throw new NullPointerException("macro argument is null");
400                  }
401              }
402              argv = new String[macroArgs.length + 1];
403              argv[0] = program.getPath();
404              System.arraycopy(macroArgs, 0, argv, 1, macroArgs.length);
405          } else {
406              macroArgs = new String[] { program.getPath() };
407          }
408          synchronized (LocalConsumer.class) {
409              p = _compileFile(program.getPath(), argv);
410          }
411          p.consumerID = id;
412          p.contents = Program.getProgramString(program);
413          p.file = program;
414          p.validate();
415          p.validateFile();
416          state = State.COMPILED;

418          return p;
419      }

421      private synchronized void
422      checkProgram(Program program)
423      {
424          if (program == null) {
425              throw new NullPointerException("program is null");
426          }
427          if (!id.equals(program.consumerID)) {
428              throw new IllegalArgumentException("program not compiled " +
429                      "by this consumer");
430          }
431      }

433      public void
434      enable() throws DTraceException
435      {
436          enable(null);
437      }

439      public synchronized void
440      enable(Program program) throws DTraceException
441      {
442          switch (state) {
443              case INIT:
444                  throw new IllegalStateException("consumer not open");
445              case OPEN:
446                  throw new IllegalStateException("no compiled program");
447              case COMPILED:
448                  break;
449              case GO:
450              case STARTED:
451                  throw new IllegalStateException("go() already called");
452              case STOPPED:
453                  throw new IllegalStateException("consumer stopped");
454              case CLOSED:
455                  throw new IllegalStateException("consumer closed");
456          }
```

```
458          // Compile all programs if null
459          if (program != null) {
460              checkProgram(program);
461          }

463          //
464          // Left to native code to throw IllegalArgumentException if the
465          // program is already enabled, since only the native code knows
466          // the enabled state.
467          //
468          synchronized (LocalConsumer.class) {
469              _exec(program);
470          }
471      }

473      public synchronized void
474      getProgramInfo(Program program) throws DTraceException
475      {
476          checkProgram(program);
477          if (state == State.CLOSED) {
478              throw new IllegalStateException("consumer closed");
479          }

481          //
482          // The given program was compiled by this consumer, so we can
483          // assert the following:
484          //
485          assert ((state != State.INIT) && (state != State.OPEN));

487          synchronized (LocalConsumer.class) {
488              _getProgramInfo(program);
489          }
490      }

492      private void
493      setOptions(Option[] options) throws DTraceException
494      {
495          for (Option o : options) {
496              setOption(o.getName(), o.getValue());
497          }
498      }

500      public void
501      setOption(String option) throws DTraceException
502      {
503          setOption(option, Option.VALUE_SET);
504      }

506      public void
507      unsetOption(String option) throws DTraceException
508      {
509          setOption(option, Option.VALUE_UNSET);
510      }

512      public synchronized void
513      setOption(String option, String value) throws DTraceException
514      {
515          if (option == null) {
516              throw new NullPointerException("option is null");
517          }
518          if (value == null) {
519              throw new NullPointerException("option value is null");
520          }

522          switch (state) {
```

```
 523              case INIT:
 524                  throw new IllegalStateException("consumer not open");
 525              case OPEN:
 526              case COMPILED:
 527              case GO:
 528              case STARTED: // Some options can be set on a running consumer
 529              case STOPPED: // Allowed (may affect getAggregate())
 530                  break;
 531              case CLOSED:
 532                  throw new IllegalStateException("consumer closed");
 533          }

 535          synchronized (LocalConsumer.class) {
 536              _setOption(option, value);
 537          }
 538      }

 540      public synchronized long
 541      getOption(String option) throws DTraceException
 542      {
 543          if (option == null) {
 544              throw new NullPointerException("option is null");
 545          }

 547          switch (state) {
 548              case INIT:
 549                  throw new IllegalStateException("consumer not open");
 550              case OPEN:
 551              case COMPILED:
 552              case GO:
 553              case STARTED:
 554              case STOPPED:
 555                  break;
 556              case CLOSED:
 557                  throw new IllegalStateException("consumer closed");
 558          }

 560          long value;
 561          synchronized (LocalConsumer.class) {
 562              value = _getOption(option);
 563          }
 564          return value;
 565      }

 567      public final synchronized boolean
 568      isOpen()
 569      {
 570          return ((state != State.INIT) && (state != State.CLOSED));
 571      }

 573      public final synchronized boolean
 574      isEnabled()
 575      {
 576          if (state != State.COMPILED) {
 577              return false;
 578          }

 580          return _isEnabled();
 581      }

 583      public final synchronized boolean
 584      isRunning()
 585      {
 586          return (state == State.STARTED);
 587      }
```

```
 589      public final synchronized boolean
 590      isClosed()
 591      {
 592          return (state == State.CLOSED);
 593      }

 595      /**
 596       * Called in the runnable target of the thread returned by {@link
 597       * #createThread()} to run this DTrace consumer.
 598       *
 599       * @see #createThread()
 600       */
 601      protected final void
 602      work()
 603      {
 604          try {
 605              synchronized (this) {
 606                  if (state != State.GO) {
 607                      //
 608                      // stop() was called after go() but before the
 609                      // consumer started
 610                      //
 611                      return; // executes finally block before returning
 612                  }

 614                  state = State.STARTED;
 615                  fireConsumerStarted(new ConsumerEvent(this,
 616                          System.nanoTime()));
 617              }

 619              //
 620              // We should not prevent other consumers from running
 621              // concurrently while this consumer blocks on the native
 622              // consumer loop.  Instead, native code will acquire the
 623              // LocalConsumer.class monitor as needed before calling
 624              // libdtrace functions.
 625              //
 626              _consume();

 628          } catch (Throwable e) {
 629              if (exceptionHandler != null) {
 630                  exceptionHandler.handleException(e);
 631              } else {
 632                  e.printStackTrace();
 633              }
 634          } finally {
 635              synchronized (stopLock) {
 636                  // Notify listeners while holding stopLock to guarantee
 637                  // that listeners finish executing consumerStopped()
 638                  // before the stop() method returns.
 639                  synchronized (this) {
 640                      if (state == State.STOPPED || state == State.CLOSED) {
 640                      if (state == State.STOPPED || state == state.CLOSED) {
 641                          //
 642                          // This consumer was stopped just after calling
 643                          // go() but before starting (the premature return
 644                          // case at the top of this work() method). It is
 645                          // possible to call close() on a consumer that has
 646                          // been stopped before starting. In that case the
 647                          // premature return above still takes us here in the
 648                          // finally clause, and we must not revert the CLOSED
 649                          // state to STOPPED.
 650                          //
 651                      } else {
 652                          state = State.STOPPED;
 653                          fireConsumerStopped(new ConsumerEvent(this,
```

```
654                                  System.nanoTime())));
655                          }
656                      }

658                      // Notify the stop() method to stop waiting
659                      workEnded = true;
660                      stopLock.notifyAll();
661                  }
662              }
663      }

665      /**
666       * Creates the background thread started by {@link #go()} to run
667       * this consumer.  Override this method if you need to set
668       * non-default {@code Thread} options or create the thread in a
669       * {@code ThreadGroup}.  If you don't need to create the thread
670       * yourself, set the desired options on {@code super.createThread()}
671       * before returning it.  Otherwise, the {@code Runnable} target of
672       * the created thread must call {@link #work()} in order to run this
673       * DTrace consumer.  For example, to modify the default background
674       * consumer thread:
675       * <pre><code>
676       *  protected Thread
677       *  createThread()
678       *  {
679       *          Thread t = super.createThread();
680       *          t.setPriority(Thread.MIN_PRIORITY);
681       *          return t;
682       *  }
683       * </code></pre>
684       * Or if you need to create your own thread:
685       * <pre></code>
686       *  protected Thread
687       *  createThread()
688       *  {
689       *          Runnable target = new Runnable() {
690       *                  public void run() {
691       *                          work();
692       *                  }
693       *          };
694       *          String name = "Consumer " + UserApplication.sequence++;
695       *          Thread t = new Thread(UserApplication.threadGroup,
696       *                  target, name);
697       *          return t;
698       *  }
699       * </code></pre>
700       * Do not start the returned thread, otherwise {@code go()} will
701       * throw an {@link IllegalThreadStateException} when it tries to
702       * start the returned thread a second time.
703       */
704      protected Thread
705      createThread()
706      {
707          Thread t = new Thread(new Runnable() {
708              public void run() {
709                  work();
710              }
711          }, "DTrace consumer " + id);
712          return t;
713      }

715      /**
716       * @inheritDoc
717       * @throws IllegalThreadStateException if a subclass calls {@link
718       * Thread#start()} on the value of {@link #createThread()}
719       * @see #createThread()
```

```
720       */
721      public void
722      go() throws DTraceException
723      {
724          go(null);
725      }

727      /**
728       * @inheritDoc
729       * @throws IllegalThreadStateException if a subclass calls {@link
730       * Thread#start()} on the value of {@link #createThread()}
731       * @see #createThread()
732       */
733      public synchronized void
734      go(ExceptionHandler h) throws DTraceException
735      {
736          switch (state) {
737              case INIT:
738                  throw new IllegalStateException("consumer not open");
739              case OPEN:
740                  throw new IllegalStateException("no compiled program");
741              case COMPILED:
742                  //
743                  // Throws IllegalStateException if not all compiled programs are
744                  // also enabled.  Does not make any calls to libdtrace.
745                  //
746                  _checkProgramEnabling();
747                  break;
748              case GO:
749              case STARTED:
750                  throw new IllegalStateException("go() already called");
751              case STOPPED:
752                  throw new IllegalStateException("consumer stopped");
753              case CLOSED:
754                  throw new IllegalStateException("consumer closed");
755              default:
756                  throw new IllegalArgumentException("unknown state: " + state);
757          }

759          synchronized (LocalConsumer.class) {
760              _go();
761          }

763          state = State.GO;
764          exceptionHandler = h;
765          Thread t = createThread();
766          t.start();
767      }

769      /**
770       * @inheritDoc
771       *
772       * @throws IllegalThreadStateException if attempting to {@code
773       * stop()} a running consumer while holding the lock on that
774       * consumer
775       */
776      public void
777      stop()
778      {
779          boolean running = false;

781          synchronized (this) {
782              switch (state) {
783                  case INIT:
784                      throw new IllegalStateException("consumer not open");
785                  case OPEN:
```

```
786                    case COMPILED:
787                        throw new IllegalStateException("go() not called");
788                    case GO:
789                        try {
790                            synchronized (LocalConsumer.class) {
791                                _stop();
792                            }
793                            state = State.STOPPED;
794                            fireConsumerStopped(new ConsumerEvent(this,
795                                    System.nanoTime()));
796                        } catch (DTraceException e) {
797                            if (exceptionHandler != null) {
798                                exceptionHandler.handleException(e);
799                            } else {
800                                e.printStackTrace();
801                            }
802                        }
803                        break;
804                    case STARTED:
805                        running = true;
806                        break;
807                    case STOPPED:
808                        //
809                        // The work() thread that runs the native consumer
810                        // loop may have terminated because of the exit()
811                        // action in a DTrace program.  In that case, a
812                        // RuntimeException is inappropriate because there
813                        // is no misuse of the API.  Creating a new checked
814                        // exception type to handle this case seems to offer
815                        // no benefit for the trouble to the caller.
816                        // Instead, the situation calls for stop() to be
817                        // quietly tolerant.
818                        //
819                        if (stopCalled) {
820                            throw new IllegalStateException(
821                                    "consumer already stopped");
822                        }
823                        logger.fine("consumer already stopped");
824                        break;
825                    case CLOSED:
826                        throw new IllegalStateException("consumer closed");
827                    default:
828                        throw new IllegalArgumentException("unknown state: " +
829                                state);
830                }

832            stopCalled = true;
833        }

835        if (running) {
836            if (Thread.holdsLock(this)) {
837                throw new IllegalThreadStateException("The current " +
838                        "thread cannot stop this LocalConsumer while " +
839                        "holding the lock on this LocalConsumer");
840            }

842            //
843            // Calls no libdtrace methods, so no synchronization is
844            // needed.  Sets a native flag that causes the consumer
845            // thread to exit the consumer loop and call native
846            // dtrace_stop() at the end of the current interval (after
847            // grabbing the global Consumer.class lock required for any
848            // libdtrace call).
849            //
850            _interrupt();
```

```
852            synchronized (stopLock) {
853                //
854                // Wait for work() to set workEnded.  If the work()
855                // thread got the stopLock first, then workEnded is
856                // already set.
857                //
858                while (!workEnded) {
859                    try {
860                        stopLock.wait();
861                    } catch (InterruptedException e) {
862                        logger.warning(e.toString());
863                        // do nothing but re-check the condition for
864                        // waiting
865                    }
866                }
867            }
868        }
869    }

871    public synchronized void
872    abort()
873    {
874        if ((state != State.INIT) && (state != State.CLOSED)) {
875            _interrupt();
876        }
877        abortCalled = true;
878    }

880    /**
881     * @inheritDoc
882     *
883     * @throws IllegalThreadStateException if attempting to {@code
884     * close()} a running consumer while holding the lock on that
885     * consumer
886     */
887    public void
888    close()
889    {
890        synchronized (this) {
891            if ((state == State.INIT) || (state == State.CLOSED)) {
892                state = State.CLOSED;
893                return;
894            }
895        }

897        try {
898            stop();
899        } catch (IllegalStateException e) {
900            // ignore (we don't have synchronized state access because
901            // it is illegal to call stop() while holding the lock on
902            // this consumer)
903        }

905        synchronized (this) {
906            if (state != State.CLOSED) {
907                synchronized (LocalConsumer.class) {
908                    _close();
909                }
910                _destroy();
911                state = State.CLOSED;

913                if (logger.isLoggable(Level.INFO)) {
914                    logger.info("consumer table count: " + _openCount());
915                }
916            }
917        }
```

```
 918        }

 920        public void
 921        addConsumerListener(ConsumerListener l)
 922        {
 923            listenerList.add(ConsumerListener.class, l);
 924        }

 926        public void
 927        removeConsumerListener(ConsumerListener l)
 928        {
 929            listenerList.remove(ConsumerListener.class, l);
 930        }

 932        public Aggregate
 933        getAggregate() throws DTraceException
 934        {
 935            // include all, clear none
 936            return getAggregate(null, Collections. <String> emptySet());
 937        }

 939        public Aggregate
 940        getAggregate(Set <String> includedAggregationNames)
 941                throws DTraceException
 942        {
 943            return getAggregate(includedAggregationNames,
 944                    Collections. <String> emptySet());
 945        }

 947        public Aggregate
 948        getAggregate(Set <String> includedAggregationNames,
 949                Set <String> clearedAggregationNames)
 950                throws DTraceException
 951        {
 952            AggregateSpec spec = new AggregateSpec();

 954            if (includedAggregationNames == null) {
 955                spec.setIncludeByDefault(true);
 956            } else {
 957                spec.setIncludeByDefault(false);
 958                for (String included : includedAggregationNames) {
 959                    spec.addIncludedAggregationName(included);
 960                }
 961            }

 963            if (clearedAggregationNames == null) {
 964                spec.setClearByDefault(true);
 965            } else {
 966                spec.setClearByDefault(false);
 967                for (String cleared : clearedAggregationNames) {
 968                    spec.addClearedAggregationName(cleared);
 969                }
 970            }

 972            return getAggregate(spec);
 973        }

 975        private synchronized Aggregate
 976        getAggregate(AggregateSpec spec) throws DTraceException
 977        {
 978            //
 979            // It should be possible to request aggregation data after a
 980            // consumer has stopped but not after it has been closed.
 981            //
 982            checkGoCalled();
```

```
 984            //
 985            // Getting the aggregate is a time-consuming request that should not
 986            // prevent other consumers from running concurrently.  Instead,
 987            // native code will acquire the LocalConsumer.class monitor as
 988            // needed before calling libdtrace functions.
 989            //
 990            Aggregate aggregate = _getAggregate(spec);
 991            return aggregate;
 992        }

 994        private synchronized void
 995        checkGoCalled()
 996        {
 997            switch (state) {
 998                case INIT:
 999                    throw new IllegalStateException("consumer not open");
1000                case OPEN:
1001                case COMPILED:
1002                    throw new IllegalStateException("go() not called");
1003                case GO:
1004                case STARTED:
1005                case STOPPED:
1006                    break;
1007                case CLOSED:
1008                    throw new IllegalStateException("consumer closed");
1009            }
1010        }

1012        private synchronized void
1013        checkGoNotCalled()
1014        {
1015            switch (state) {
1016                case INIT:
1017                    throw new IllegalStateException("consumer not open");
1018                case OPEN:
1019                case COMPILED:
1020                    break;
1021                case GO:
1022                case STARTED:
1023                    throw new IllegalStateException("go() already called");
1024                case STOPPED:
1025                    throw new IllegalStateException("consumer stopped");
1026                case CLOSED:
1027                    throw new IllegalStateException("consumer closed");
1028            }
1029        }

1031        public synchronized int
1032        createProcess(String command) throws DTraceException
1033        {
1034            if (command == null) {
1035                throw new NullPointerException("command is null");
1036            }

1038            checkGoNotCalled();

1040            int pid;
1041            synchronized (LocalConsumer.class) {
1042                pid = _createProcess(command);
1043            }
1044            return pid;
1045        }

1047        public synchronized void
1048        grabProcess(int pid) throws DTraceException
1049        {
```

```
1050            checkGoNotCalled();

1052            synchronized (LocalConsumer.class) {
1053                _grabProcess(pid);
1054            }
1055        }

1057        public synchronized List <ProbeDescription>
1058        listProbes(ProbeDescription filter) throws DTraceException
1059        {
1060            checkGoNotCalled();
1061            List <ProbeDescription> probeList =
1062                    new LinkedList <ProbeDescription> ();
1063            if (filter == ProbeDescription.EMPTY) {
1064                filter = null;
1065            }
1066            synchronized (LocalConsumer.class) {
1067                _listProbes(probeList, filter);
1068            }
1069            return probeList;
1070        }

1072        public synchronized List <Probe>
1073        listProbeDetail(ProbeDescription filter) throws DTraceException
1074        {
1075            checkGoNotCalled();
1076            List <Probe> probeList = new LinkedList <Probe> ();
1077            if (filter == ProbeDescription.EMPTY) {
1078                filter = null;
1079            }
1080            synchronized (LocalConsumer.class) {
1081                _listProbeDetail(probeList, filter);
1082            }
1083            return probeList;
1084        }

1086        public synchronized List <ProbeDescription>
1087        listProgramProbes(Program program) throws DTraceException
1088        {
1089            checkProgram(program);
1090            checkGoNotCalled();
1091            List <ProbeDescription> probeList =
1092                    new LinkedList <ProbeDescription> ();
1093            synchronized (LocalConsumer.class) {
1094                _listCompiledProbes(probeList, program);
1095            }
1096            return probeList;
1097        }

1099        public synchronized List <Probe>
1100        listProgramProbeDetail(Program program) throws DTraceException
1101        {
1102            checkProgram(program);
1103            checkGoNotCalled();
1104            List <Probe> probeList = new LinkedList <Probe> ();
1105            synchronized (LocalConsumer.class) {
1106                _listCompiledProbeDetail(probeList, program);
1107            }
1108            return probeList;
1109        }

1111        public synchronized String
1112        lookupKernelFunction(int address)
1113        {
1114            checkGoCalled();
1115            synchronized (LocalConsumer.class) {
```

```
1116                return _lookupKernelFunction(new Integer(address));
1117            }
1118        }

1120        public synchronized String
1121        lookupKernelFunction(long address)
1122        {
1123            checkGoCalled();
1124            synchronized (LocalConsumer.class) {
1125                return _lookupKernelFunction(new Long(address));
1126            }
1127        }

1129        public synchronized String
1130        lookupUserFunction(int pid, int address)
1131        {
1132            checkGoCalled();
1133            synchronized (LocalConsumer.class) {
1134                return _lookupUserFunction(pid, new Integer(address));
1135            }
1136        }

1138        public synchronized String
1139        lookupUserFunction(int pid, long address)
1140        {
1141            checkGoCalled();
1142            synchronized (LocalConsumer.class) {
1143                return _lookupUserFunction(pid, new Long(address));
1144            }
1145        }

1147        public String
1148        getVersion()
1149        {
1150            synchronized (LocalConsumer.class) {
1151                return LocalConsumer._getVersion();
1152            }
1153        }

1155        /**
1156         * Called by native code.
1157         */
1158        private void
1159        nextProbeData(ProbeData probeData) throws ConsumerException
1160        {
1161            fireDataReceived(new DataEvent(this, probeData));
1162        }

1164        /**
1165         * Called by native code.
1166         */
1167        private void
1168        dataDropped(Drop drop) throws ConsumerException
1169        {
1170            fireDataDropped(new DropEvent(this, drop));
1171        }

1173        /**
1174         * Called by native code.
1175         */
1176        private void
1177        errorEncountered(Error error) throws ConsumerException
1178        {
1179            fireErrorEncountered(new ErrorEvent(this, error));
1180        }
```

```
1182        /**
1183         * Called by native code.
1184         */
1185        private void
1186        processStateChanged(ProcessState processState) throws ConsumerException
1187        {
1188            fireProcessStateChanged(new ProcessEvent(this, processState));
1189        }

1191        protected void
1192        fireDataReceived(DataEvent e) throws ConsumerException
1193        {
1194            // Guaranteed to return a non-null array
1195            Object[] listeners = listenerList.getListenerList();
1196            // Process the listeners last to first, notifying
1197            // those that are interested in this event
1198            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1199                if (listeners[i] == ConsumerListener.class) {
1200                    ((ConsumerListener)listeners[i + 1]).dataReceived(e);
1201                }
1202            }
1203        }

1205        protected void
1206        fireDataDropped(DropEvent e) throws ConsumerException
1207        {
1208            // Guaranteed to return a non-null array
1209            Object[] listeners = listenerList.getListenerList();
1210            // Process the listeners last to first, notifying
1211            // those that are interested in this event
1212            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1213                if (listeners[i] == ConsumerListener.class) {
1214                    ((ConsumerListener)listeners[i + 1]).dataDropped(e);
1215                }
1216            }
1217        }

1219        protected void
1220        fireErrorEncountered(ErrorEvent e) throws ConsumerException
1221        {
1222            // Guaranteed to return a non-null array
1223            Object[] listeners = listenerList.getListenerList();
1224            // Process the listeners last to first, notifying
1225            // those that are interested in this event
1226            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1227                if (listeners[i] == ConsumerListener.class) {
1228                    ((ConsumerListener)listeners[i + 1]).errorEncountered(e);
1229                }
1230            }
1231        }

1233        protected void
1234        fireProcessStateChanged(ProcessEvent e) throws ConsumerException
1235        {
1236            // Guaranteed to return a non-null array
1237            Object[] listeners = listenerList.getListenerList();
1238            // Process the listeners last to first, notifying
1239            // those that are interested in this event
1240            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1241                if (listeners[i] == ConsumerListener.class) {
1242                    ((ConsumerListener)listeners[i + 1]).processStateChanged(e);
1243                }
1244            }
1245        }

1247        protected void
```

```
1248        fireConsumerStarted(ConsumerEvent e)
1249        {
1250            // Guaranteed to return a non-null array
1251            Object[] listeners = listenerList.getListenerList();
1252            // Process the listeners last to first, notifying
1253            // those that are interested in this event
1254            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1255                if (listeners[i] == ConsumerListener.class) {
1256                    ((ConsumerListener)listeners[i + 1]).consumerStarted(e);
1257                }
1258            }
1259        }

1261        protected void
1262        fireConsumerStopped(ConsumerEvent e)
1263        {
1264            // Guaranteed to return a non-null array
1265            Object[] listeners = listenerList.getListenerList();
1266            // Process the listeners last to first, notifying
1267            // those that are interested in this event
1268            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1269                if (listeners[i] == ConsumerListener.class) {
1270                    ((ConsumerListener)listeners[i + 1]).consumerStopped(e);
1271                }
1272            }
1273        }

1275        // Called by native code
1276        private void
1277        intervalBegan()
1278        {
1279            fireIntervalBegan(new ConsumerEvent(this, System.nanoTime()));
1280        }

1282        protected void
1283        fireIntervalBegan(ConsumerEvent e)
1284        {
1285            // Guaranteed to return a non-null array
1286            Object[] listeners = listenerList.getListenerList();
1287            // Process the listeners last to first, notifying
1288            // those that are interested in this event
1289            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1290                if (listeners[i] == ConsumerListener.class) {
1291                    ((ConsumerListener)listeners[i + 1]).intervalBegan(e);
1292                }
1293            }
1294        }

1296        // Called by native code
1297        private void
1298        intervalEnded()
1299        {
1300            fireIntervalEnded(new ConsumerEvent(this, System.nanoTime()));
1301        }

1303        protected void
1304        fireIntervalEnded(ConsumerEvent e)
1305        {
1306            // Guaranteed to return a non-null array
1307            Object[] listeners = listenerList.getListenerList();
1308            // Process the listeners last to first, notifying
1309            // those that are interested in this event
1310            for (int i = listeners.length - 2; i >= 0; i -= 2) {
1311                if (listeners[i] == ConsumerListener.class) {
1312                    ((ConsumerListener)listeners[i + 1]).intervalEnded(e);
1313                }
```

```
1314               }
1315           }

1317           /**
1318            * Gets a string representation of this consumer useful for logging
1319            * and not intended for display.  The exact details of the
1320            * representation are unspecified and subject to change, but the
1321            * following format may be regarded as typical:
1322            * <pre><code>
1323            * class-name[property1 = value1, property2 = value2]
1324            * </code></pre>
1325            */
1326          public String
1327          toString()
1328          {
1329              StringBuilder buf = new StringBuilder(LocalConsumer.class.getName());
1330              synchronized (this) {
1331                  buf.append("[open = ");
1332                  buf.append(isOpen());
1333                  buf.append(", enabled = ");
1334                  buf.append(isEnabled());
1335                  buf.append(", running = ");
1336                  buf.append(isRunning());
1337                  buf.append(", closed = ");
1338                  buf.append(isClosed());
1339              }
1340              buf.append(']');
1341              return buf.toString();
1342          }

1344          /**
1345           * Ensures that the {@link #close()} method of this consumer has
1346           * been called before it is garbage-collected.  The intended safety
1347           * net is weak because the JVM does not guarantee that an object
1348           * will be garbage-collected when it is no longer referenced.  Users
1349           * of the API should call {@code close()} to ensure that all
1350           * resources associated with this consumer are reclaimed in a timely
1351           * manner.
1352           *
1353           * @see #close()
1354           */
1355          protected void
1356          finalize()
1357          {
1358              close();
1359          }

1361          private String
1362          getTag()
1363          {
1364              return super.toString();
1365          }

1367          //
1368          // Uniquely identifies a consumer across systems so it is possible
1369          // to validate that an object such as a Program passed to a remote
1370          // client over a socket was created by this consumer and no other.
1371          //
1372          static class Identifier implements Serializable {
1373              static final long serialVersionUID = 2183165132305302834L;

1375              // local identifier
1376              private int id;
1377              private long timestamp;
1378              // remote identifier
1379              private InetAddress localHost;
```

```
1380              private String tag; // in case localHost not available

1382              private
1383              Identifier(LocalConsumer consumer)
1384              {
1385                  id = LocalConsumer.sequence++;
1386                  timestamp = System.currentTimeMillis();
1387                  try {
1388                      localHost = InetAddress.getLocalHost();
1389                  } catch (UnknownHostException e) {
1390                      localHost = null;
1391                  }
1392                  tag = consumer.getTag();
1393              }

1395              @Override
1396              public boolean
1397              equals(Object o)
1398              {
1399                  if (o == this) {
1400                      return true;
1401                  }
1402                  if (o instanceof Identifier) {
1403                      Identifier i = (Identifier)o;
1404                      return ((id == i.id) &&
1405                              (timestamp == i.timestamp) &&
1406                              ((localHost == null) ? (i.localHost == null) :
1407                              localHost.equals(i.localHost)) &&
1408                              tag.equals(i.tag));
1409                  }
1410                  return false;
1411              }

1413              @Override
1414              public int
1415              hashCode()
1416              {
1417                  int hash = 17;
1418                  hash = (37 * hash) + id;
1419                  hash = (37 * hash) + ((int)(timestamp ^ (timestamp >>> 32)));
1420                  hash = (37 * hash) + (localHost == null ? 0 :
1421                          localHost.hashCode());
1422                  hash = (37 * hash) + tag.hashCode();
1423                  return hash;
1424              }

1426              @Override
1427              public String
1428              toString()
1429              {
1430                  StringBuilder buf = new StringBuilder();
1431                  buf.append(Identifier.class.getName());
1432                  buf.append("[id = ");
1433                  buf.append(id);
1434                  buf.append(", timestamp = ");
1435                  buf.append(timestamp);
1436                  buf.append(", localHost = ");
1437                  buf.append(localHost);
1438                  buf.append(", tag = ");
1439                  buf.append(tag);
1440                  buf.append(']');
1441                  return buf.toString();
1442              }
1443          }
1444 }
```

_____*unchanged_portion_omitted_*

```
**********************************************************
    5775 Sun May  4 07:12:52 2014
new/usr/src/lib/libslp/javalib/Makefile.conf
4719 Common patchset for jdk1.7 support preparation
**********************************************************
   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 #
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  16 # fields enclosed by brackets "[]" replaced with your own identifying
  17 # information: Portions Copyright [yyyy] [name of copyright owner]
  18 #
  19 # CDDL HEADER END
  20 #
  21 #
  22 # Copyright 2009 Sun Microsystems, Inc.  All rights reserved.
  23 # Use is subject to license terms.
  24 #
  25 # Makefile configuration for SLP.

  27 # The SLP Java package

  29 PKGPATH=com/sun/slp
  30 PKGNAME=com.sun.slp

  32 # The SLP directories.

  34 SLPDIR=$(SRC)/lib/libslp
  35 DOC=$(SLPDIR)/javadoc
  36 CLASSES=$(SLPDIR)/classes
  37 SLPJAVASRC=$(SLPDIR)/javalib

  39 # SLP jar file, its ultimate destination, and packaging details
  40 SLPJAR=slp.jar
  41 SLPDJAR=slpd.jar
  42 JARDESTDIR=$(ROOT)/usr/share/lib/slp
  43 INSJARS=$(JARDESTDIR)/$(SLPJAR) $(JARDESTDIR)/$(SLPDJAR)

  45 $(JARDESTDIR)/%: $(CLASSES)/%
  46         $(INS.file)

  48 # Manifest files
  49 SLPMANI= $(CLASSES)/manifest.slp
  50 SLPDMANI= $(CLASSES)/manifest.slpd

  52 MANIFESTS= $(SLPMANI) $(SLPDMANI)

  54 # Controlled CLASSPATH for making
  55 SLPCLASSPATH=$(CLASSES):$(SLPJAVASRC)

  57 # javac flags
  58 JFLAGS= -O -d $(CLASSES) -sourcepath $(SLPCLASSPATH)
  59 JFLAGS += -source 1.6 -target 1.6 -Xlint:deprecation,-options
  58 JFLAGS= -O -d $(CLASSES) -sourcepath $(SLPCLASSPATH) -deprecation
```

```
  61 # The default make rule for Java files
  62 COMPILE.java=$(JAVAC) $(JFLAGS)

  64 $(CLASSES)/$(PKGPATH)/%.class:  $(SLPJAVASRC)/$(PKGPATH)/%.java
  65                                 $(COMPILE.java) $<

  67 # Where to put the message files
  68 MSGDIR =        $(ROOT)/usr/share/lib/locale/$(PKGPATH)
  69 MSGDIRS =       $(ROOT)/usr/share/lib/locale \
  70                 $(ROOT)/usr/share/lib/locale/com \
  71                 $(ROOT)/usr/share/lib/locale/com/sun \
  72                 $(MSGDIR)
  73 CLIENT_MSGS=ClientLib_en.properties
  74 SERVER_MSGS=Server_en.properties
  75 MSGFILES=$(MSGDIR)/$(CLIENT_MSGS) $(MSGDIR)/$(SERVER_MSGS)

  77 $(JARDESTDIR)/$(SLPDJAR) := FILEMODE = 600


  80 # All SLP classes, not including internal classes (since these are
  81 # generated and packaged automatically buy this Makefile). Since
  82 # we take advantage of -Xdepend, the strategy is to place trigger
  83 # classes at the beginning of the list; these will trigger javac to
  84 # compile all other classes.
  85 SLP_CLASSES=\
  86 UARequester.class        SARequester.class       slpd.class \
  87 SunServerDATable.class   AttributeVerifier.class \
  88 SunDATable.class         SLPHeaderV2.class       SLPServerHeaderV2.class \
  89 SLPHeaderV1.class        SLPV1Manager.class      Syslog.class \
  90 StderrLog.class                                  SLPDgui.class \
  91 ServiceLocationException.class                   ServiceLocationEnumeration.class \
  92 ServiceLocationEnumerator.class                  Assert.class \
  93 ServiceType.class                                ServiceURL.class \
  94 ServiceLocationAttribute.class                   ServerAttribute.class \
  95 AttributeString.class                            AttributePattern.class \
  96 Opaque.class                                     AuthBlock.class \
  97 Defaults.class                                   SLPConfig.class \
  98 SrvLocMsg.class                                  SrvLocHeader.class\
  99 SrvLocMsgImpl.class                              CAttrMsg.class \
 100 SAttrMsg.class                                   CDAAdvert.class \
 101 SDAAdvert.class                                  CSAAdvert.class \
 102 SSAAdvert.class                                  CSrvMsg.class \
 103 SSrvMsg.class                                    CSrvTypeMsg.class  \
 104 SSrvTypeMsg.class                                CSrvReg.class \
 105 SSrvReg.class                                    CSrvDereg.class \
 106 SSrvDereg.class                                  DATable.class \
 107 ServiceStore.class                               ServiceStoreFactory.class \
 108 ServiceTable.class                               ServiceStoreInMemory.class \
 109 Advertiser.class                                 Locator.class \
 110 ServiceLocationManager.class                     PermSARegTable.class \
 111 DAAdvertiser.class                               ServerDATable.class \
 112 Listener.class                                   StreamListener.class \
 113 RequestHandler.class                             Transact.class \
 114 SLPV1SAttrMsg.class                              SLPV1SDAAdvert.class \
 115 SLPV1SSrvDereg.class                             SLPV1SSrvMsg.class \
 116 SLPV1SSrvReg.class                               SLPV1SSrvTypeMsg.class \
 117 ServiceLocationAttributeV1.class                 ServiceURLV1.class \
 118 SLPTemplateRegistry.class                        ActiveDiscoverer.class \
 119 AttributeDescriptor.class                        ClientMsgManager.class \
 120 IANACharCode.class                               Parser.class \
 121 ServiceLocationAttributeVerifier.class SLPV1CDAAdvert.class \
 122 URLAttributeVerifier.class                       TemplateRegistry.class \
 123 ServiceLocationAttributeDescriptor.class \
 124 SLPTokenizer.class

 126 # This is a hand-crafted subset of classes that are needed for slp.jar.
```

```
127 # We take the extra effort here so that customers don't need to pull
128 # in slpd.jar, which is more than double the size of slp.jar, when
129 # they will only need these classes.
130 UA_SA_SUBSET_CLASSES_ORIG=\
131 Advertiser.class           Assert.class             AttributeString.class \
132 AuthBlock.class            CAttrMsg.class           CDAAdvert.class \
133 CSAAdvert.class            CSrvDereg.class          CSrvMsg.class \
134 CSrvReg.class              CSrvTypeMsg.class        DATable\$$DARecord.class \
135 SLPHeaderV2.class          SrvLocHeader.class       SrvLocMsgImpl.class \
136 DATable.class              Defaults.class \
137 Locator.class              Opaque.class             PermSARegTable.class \
138 SARequester.class          SLPConfig.class          Syslog.class \
139 ServiceURL.class           SrvLocMsg.class          Transact.class \
140 ServerAttribute.class                        ServiceLocationAttribute.class \
141 ServiceLocationEnumeration.class             ServiceLocationEnumerator.class \
142 ServiceLocationException.class               ServiceType.class \
143 UARequester.class                            ServiceLocationManager.class \
144 SunDATable.class           TemplateRegistry.class SLPTemplateRegistry.class \
145 ServiceLocationAttributeVerifier.class       AttributeVerifier.class \
146 ServiceLocationAttributeDescriptor.class     AttributeDescriptor.class \
147 URLAttributeVerifier.class                   StderrLog.class \
148 StderrLog.class            SLPConfig\$$SLPProperties.class \
149 SLPHeaderV2\$$OptionParser.class        SLPHeaderV2\$$SLPOption.class \
150 SLPTokenizer.class

152 ALL_SLP_CLASSES=${SLP_CLASSES:%=$(CLASSES)/$(PKGPATH)/%}
153 UA_SA_SUBSET_CLASSES=${UA_SA_SUBSET_CLASSES_ORIG:%=$(PKGPATH)/%}
```

```
*********************************************************
   55153 Sun May  4 07:12:52 2014
new/usr/src/man/man5/filesystem.5
4743 Fix deprecated /usr/j2se usage in slp and remove from filesystem(5) manpage
*********************************************************
   1 '\" te
   2 .\" Copyright (c) 2008, Sun Microsystems, Inc. All Rights Reserved.
   3 .\" Copyright 1989 AT&T
   4 .\" The contents of this file are subject to the terms of the Common Development
   5 .\"  See the License for the specific language governing permissions and limitat
   6 .\" fields enclosed by brackets "[]" replaced with your own identifying informat
   7 .TH FILESYSTEM 5 "Aug 26, 2013"
   8 .SH NAME
   9 filesystem \- File system organization
  10 .SH SYNOPSIS
  11 .LP
  12 .nf
  13 /
  14 .fi

  16 .LP
  17 .nf
  18 /usr
  19 .fi

  21 .SH DESCRIPTION
  22 .sp
  23 .LP
  24 The file system tree is organized for administrative convenience. Distinct
  25 areas within the file system tree are provided for files that are private to
  26 one machine, files that can be shared by multiple machines of a common
  27 platform, files that can be shared by all machines, and home directories. This
  28 organization allows sharable files to be stored on one machine but accessed by
  29 many machines using a remote file access mechanism such as \fBNFS\fR. Grouping
  30 together similar files makes the file system tree easier to upgrade and manage.
  31 .sp
  32 .LP
  33 The file system tree consists of a root file system and a collection of
  34 mountable file systems. The \fBmount\fR(2) program attaches mountable file
  35 systems to the file system tree at mount points (directory entries) in the root
  36 file system or other previously mounted file systems. Two file systems, \fB/\fR
  37 (the root) and \fB/usr\fR, must be mounted and \fB/var\fR must be accessible to
  38 have a functional system. The root file system is mounted automatically by the
  39 kernel at boot time; the \fB/usr\fR file system is mounted by the system
  40 start-up script, which is run as part of the booting process. \fB/var\fR can be
  41 mounted as its own file system or be part of \fB/usr\fR, as it is by default.
  42 .sp
  43 .LP
  44 Certain locations, noted below, are approved installation locations for bundled
  45 Foundation Solaris software. In some cases, the approved locations for bundled
  46 software are also approved locations for add-on system software or for
  47 applications. The following descriptions make clear where the two locations
  48 differ. For example, \fB/etc\fR is the installation location for
  49 platform-dependent configuration files that are bundled with Solaris software.
  50 The analogous location for applications is \fB/etc/opt/\fR\fIpackagename\fR.
  51 .sp
  52 .LP
  53 In the following descriptions, \fIsubsystem\fR is a category of application or
  54 system software, such as a window system (\fBdt\fR) or a language
  55 (\fBjava1.2\fR)
  56 .sp
  57 .LP
  58 The following descriptions make use of the terms \fBplatform\fR,
  59 \fBplatform-dependent\fR, \fBplatform-independent\fR, and
  60 \fBplatform-specific\fR. Platform refers to a machines Instruction Set
  61 Architecture or processor type, such as is returned by \fBuname\fR \fB-i\fR.
```

```
  62 \fBPlatform-dependent\fR refers to a file that is installed on all platforms
  63 and whose contents vary depending on the platform. Like a platform-dependent
  64 file, a \fBplatform-independent\fR file is installed on all platforms. However,
  65 the contents of the latter type remains the same on all platforms. An example
  66 of a platform-dependent file is compiled, executable program. An example of a
  67 platform-independent file is a standard configuration file, such as
  68 \fB/etc/hosts\fR. Unlike a platform-dependent or a platform-independent file,
  69 the \fBplatform-specific\fR file is installed only on a subset of supported
  70 platforms. Most platform-specific files are gathered under \fB/platform\fR and
  71 \fB/usr/platform\fR.
  72 .sp
  73 .LP
  74 In the following file or directory descriptions, GNOME stands for GNU Network
  75 Object Model Environment. The GNOME Desktop is shipped with the Solaris
  76 operating system.
  77 .SS "Root File System"
  78 .sp
  79 .LP
  80 The root file system contains files that are unique to each machine. It
  81 contains the following directories:
  82 .sp
  83 .ne 2
  84 .na
  85 \fB\fB/\fR\fR
  86 .ad
  87 .sp .6
  88 .RS 4n
  89 Root of the overall file system name space.
  90 .RE

  92 .sp
  93 .ne 2
  94 .na
  95 \fB\fB/dev\fR\fR
  96 .ad
  97 .sp .6
  98 .RS 4n
  99 Primary location for special files. Typically, device files are built to match
 100 the kernel and hardware configuration of the machine.
 101 .RE

 103 .sp
 104 .ne 2
 105 .na
 106 \fB\fB/dev/cfg\fR\fR
 107 .ad
 108 .sp .6
 109 .RS 4n
 110 Symbolic links to physical \fBap_ids.\fR
 111 .RE

 113 .sp
 114 .ne 2
 115 .na
 116 \fB\fB/dev/cpu\fR\fR
 117 .ad
 118 .sp .6
 119 .RS 4n
 120 Provides configuration and capability information about the processor type
 121 .RE

 123 .sp
 124 .ne 2
 125 .na
 126 \fB\fB/dev/cua\fR\fR
 127 .ad
```

```
 128 .sp .6
 129 .RS 4n
 130 Device files for \fBuucp\fR.
 131 .RE

 133 .sp
 134 .ne 2
 135 .na
 136 \fB\fB/dev/dsk\fR\fR
 137 .ad
 138 .sp .6
 139 .RS 4n
 140 Block disk devices.
 141 .RE

 143 .sp
 144 .ne 2
 145 .na
 146 \fB\fB/dev/dtrace\fR\fR
 147 .ad
 148 .sp .6
 149 .RS 4n
 150 Pseudo-devices used by the DTrace framework.
 151 .RE

 153 .sp
 154 .ne 2
 155 .na
 156 \fB\fB/dev/dtrace/provider\fR\fR
 157 .ad
 158 .sp .6
 159 .RS 4n
 160 Pseudo-device drivers representing instrumentation providers for the DTrace
 161 framework.
 162 .RE

 164 .sp
 165 .ne 2
 166 .na
 167 \fB\fB/dev/fbs\fR\fR
 168 .ad
 169 .sp .6
 170 .RS 4n
 171 Frame buffer device files.
 172 .RE

 174 .sp
 175 .ne 2
 176 .na
 177 \fB\fB/dev/fd\fR\fR
 178 .ad
 179 .sp .6
 180 .RS 4n
 181 File descriptors.
 182 .RE

 184 .sp
 185 .ne 2
 186 .na
 187 \fB\fB/dev/md\fR\fR
 188 .ad
 189 .sp .6
 190 .RS 4n
 191 Logical volume management meta-disk devices.
 192 .RE
```

```
 194 .sp
 195 .ne 2
 196 .na
 197 \fB\fB/dev/net\fR\fR
 198 .ad
 199 .sp .6
 200 .RS 4n
 201 Network data-link interface devices.
 202 .RE

 204 .sp
 205 .ne 2
 206 .na
 207 \fB\fB/dev/printers\fR\fR
 208 .ad
 209 .sp .6
 210 .RS 4n
 211 USB printer device files.
 212 .RE

 214 .sp
 215 .ne 2
 216 .na
 217 \fB\fB/dev/pts\fR\fR
 218 .ad
 219 .sp .6
 220 .RS 4n
 221 Pseudo-terminal devices.
 222 .RE

 224 .sp
 225 .ne 2
 226 .na
 227 \fB\fB/dev/rdsk\fR\fR
 228 .ad
 229 .sp .6
 230 .RS 4n
 231 Raw disk devices.
 232 .RE

 234 .sp
 235 .ne 2
 236 .na
 237 \fB\fB/dev/rmt\fR\fR
 238 .ad
 239 .sp .6
 240 .RS 4n
 241 Raw tape devices.
 242 .RE

 244 .sp
 245 .ne 2
 246 .na
 247 \fB\fB/dev/sad\fR\fR
 248 .ad
 249 .sp .6
 250 .RS 4n
 251 Entry points for the \fBSTREAMS\fR Administrative driver.
 252 .RE

 254 .sp
 255 .ne 2
 256 .na
 257 \fB\fB/dev/sound\fR\fR
 258 .ad
 259 .sp .6
```

```
260 .RS 4n
261 Audio device and audio device control files.
262 .RE

264 .sp
265 .ne 2
266 .na
267 \fB\fB/dev/swap\fR\fR
268 .ad
269 .sp .6
270 .RS 4n
271 Default swap device.
272 .RE

274 .sp
275 .ne 2
276 .na
277 \fB\fB/dev/term\fR\fR
278 .ad
279 .sp .6
280 .RS 4n
281 Terminal devices.
282 .RE

284 .sp
285 .ne 2
286 .na
287 \fB\fB/devices\fR\fR
288 .ad
289 .sp .6
290 .RS 4n
291 Physical device files.
292 .RE

294 .sp
295 .ne 2
296 .na
297 \fB\fB/etc\fR\fR
298 .ad
299 .sp .6
300 .RS 4n
301 Platform-dependent administrative and configuration files and databases that
302 are not shared among systems. \fB/etc\fR may be viewed as the directory that
303 defines the machine's identity. An approved installation location for bundled
304 Solaris software. The analogous location for add-on system software or for
305 applications is \fB/etc/opt/\fR\fIpackagename\fR.
306 .RE

308 .sp
309 .ne 2
310 .na
311 \fB\fB/etc/X11\fR\fR
312 .ad
313 .sp .6
314 .RS 4n
315 Xorg Xserver (X11) configuration files.
316 .RE

318 .sp
319 .ne 2
320 .na
321 \fB\fB/etc/acct\fR\fR
322 .ad
323 .sp .6
324 .RS 4n
325 Accounting system configuration information.
```

```
326 .RE

328 .sp
329 .ne 2
330 .na
331 \fB\fB/etc/apache\fR\fR
332 .ad
333 .sp .6
334 .RS 4n
335 Apache configuration files.
336 .RE

338 .sp
339 .ne 2
340 .na
341 \fB\fB/etc/apoc\fR\fR
342 .ad
343 .sp .6
344 .RS 4n
345 Files for configuring Sun Java Desktop System Configuration Manager remote
346 access.
347 .RE

349 .sp
350 .ne 2
351 .na
352 \fB\fB/etc/bonobo-activation\fR\fR
353 .ad
354 .sp .6
355 .RS 4n
356 GNOME XML configuration file for identifying CORBA servers.
357 .RE

359 .sp
360 .ne 2
361 .na
362 \fB\fB/etc/cron.d\fR\fR
363 .ad
364 .sp .6
365 .RS 4n
366 Configuration information for \fBcron\fR(1M).
367 .RE

369 .sp
370 .ne 2
371 .na
372 \fB\fB/etc/dat\fR\fR
373 .ad
374 .sp .6
375 .RS 4n
376 Contains a list of interface adapters supported by uDAPL service providers.
377 .RE

379 .sp
380 .ne 2
381 .na
382 \fB\fB/etc/default\fR\fR
383 .ad
384 .sp .6
385 .RS 4n
386 Defaults information for various programs.
387 .RE

389 .sp
390 .ne 2
391 .na
```

```
392 \fB\fB/etc/devices\fR\fR
393 .ad
394 .sp .6
395 .RS 4n
396 Contains device-related data.
397 .RE

399 .sp
400 .ne 2
401 .na
402 \fB\fB/etc/dfs\fR\fR
403 .ad
404 .sp .6
405 .RS 4n
406 Configuration information for shared file systems.
407 .RE

409 .sp
410 .ne 2
411 .na
412 \fB\fB/etc/dhcp\fR\fR
413 .ad
414 .sp .6
415 .RS 4n
416 Dynamic Host Configuration Protocol (\fBDHCP\fR) configuration files.
417 .RE

419 .sp
420 .ne 2
421 .na
422 \fB\fB/etc/dmi\fR\fR
423 .ad
424 .sp .6
425 .RS 4n
426 Solstice Enterprise Agents configuration files.
427 .RE

429 .sp
430 .ne 2
431 .na
432 \fB\fB/etc/dt\fR\fR
433 .ad
434 .sp .6
435 .RS 4n
436 Desktop configuration files.
437 .RE

439 .sp
440 .ne 2
441 .na
442 \fB\fB/etc/flash\fR\fR
443 .ad
444 .sp .6
445 .RS 4n
446 Solaris Flash Archive configuration files.
447 .RE

449 .sp
450 .ne 2
451 .na
452 \fB\fB/etc/fm\fR\fR
453 .ad
454 .sp .6
455 .RS 4n
456 Fault manager configuration files. For more information, see \fBfmd\fR(1M).
457 .RE
```

```
459 .sp
460 .ne 2
461 .na
462 \fB\fB/etc/fonts\fR\fR
463 .ad
464 .sp .6
465 .RS 4n
466 Font configuration information.
467 .RE

469 .sp
470 .ne 2
471 .na
472 \fB\fB/etc/fs\fR\fR
473 .ad
474 .sp .6
475 .RS 4n
476 Binaries organized by file system types for operations required before
477 \fB/usr\fR is mounted.
478 .RE

480 .sp
481 .ne 2
482 .na
483 \fB\fB/etc/ftpd\fR\fR
484 .ad
485 .sp .6
486 .RS 4n
487 \fBftpd\fR configuration files.
488 .RE

490 .sp
491 .ne 2
492 .na
493 \fB\fB/etc/gconf\fR\fR
494 .ad
495 .sp .6
496 .RS 4n
497 GConf system configuration (including system defaults and system mandatory
498 settings)
499 .RE

501 .sp
502 .ne 2
503 .na
504 \fB\fB/etc/gimp\fR\fR
505 .ad
506 .sp .6
507 .RS 4n
508 GNU Image Manipulation Program (GIMP) configuration files.
509 .RE

511 .sp
512 .ne 2
513 .na
514 \fB\fB/etc/gnome\fR\fR
515 .ad
516 .sp .6
517 .RS 4n
518 GNOME Desktop configuration files.
519 .RE

521 .sp
522 .ne 2
523 .na
```

```
524 \fB\fB/etc/gnome-vfs-2.0\fR\fR
525 .ad
526 .sp .6
527 .RS 4n
528 Files for customizing GNOME 2.0 desktop menus.
529 .RE

531 .sp
532 .ne 2
533 .na
534 \fB\fB/etc/gnopernicus-1.0\fR\fR
535 .ad
536 .sp .6
537 .RS 4n
538 Configuration files for GNOME's Gnopernicus, an Assistive Technology (AT)
539 screen reader.
540 .RE

542 .sp
543 .ne 2
544 .na
545 \fB\fB/etc/gss\fR\fR
546 .ad
547 .sp .6
548 .RS 4n
549 Generic Security Service (\fBGSS\fR) Application Program Interface
550 configuration files.
551 .RE

553 .sp
554 .ne 2
555 .na
556 \fB\fB/etc/gtk\fR\fR
557 .ad
558 .sp .6
559 .RS 4n
560 GTK+ configuration files
561 .RE

563 .sp
564 .ne 2
565 .na
566 \fB\fB/etc/gtk-2.0\fR\fR
567 .ad
568 .sp .6
569 .RS 4n
570 GTK+ Pixbuf loaders and Input Method modules
571 .RE

573 .sp
574 .ne 2
575 .na
576 \fB\fB/etc/imq\fR\fR
577 .ad
578 .sp .6
579 .RS 4n
580 Sun Java System Message Queue security configuration files.
581 .RE

583 .sp
584 .ne 2
585 .na
586 \fB\fB/etc/inet\fR\fR
587 .ad
588 .sp .6
589 .RS 4n
```

```
590 Configuration files for Internet services.
591 .RE

593 .sp
594 .ne 2
595 .na
596 \fB\fB/etc/init.d\fR\fR
597 .ad
598 .sp .6
599 .RS 4n
600 Shell scripts for transitioning between run levels.
601 .RE

603 .sp
604 .ne 2
605 .na
606 \fB\fB/etc/krb5\fR\fR
607 .ad
608 .sp .6
609 .RS 4n
610 Kerberos configuration files.
611 .RE

613 .sp
614 .ne 2
615 .na
616 \fB\fB/etc/lib\fR\fR
617 .ad
618 .sp .6
619 .RS 4n
620 Shared libraries needed during booting.
621 .RE

623 .sp
624 .ne 2
625 .na
626 \fB\fB/etc/llc2\fR\fR
627 .ad
628 .sp .6
629 .RS 4n
630 Logical link control (\fBllc2\fR) driver configuration files.
631 .RE

633 .sp
634 .ne 2
635 .na
636 \fB\fB/etc/lp\fR\fR
637 .ad
638 .sp .6
639 .RS 4n
640 Configuration information for the printer subsystem.
641 .RE

643 .sp
644 .ne 2
645 .na
646 \fB\fB/etc/lvm\fR\fR
647 .ad
648 .sp .6
649 .RS 4n
650 Solaris Logical Volume Manager configuration files.
651 .RE

653 .sp
654 .ne 2
655 .na
```

```
656 \fB\fB/etc/mail\fR\fR
657 .ad
658 .sp .6
659 .RS 4n
660 Mail subsystem configuration.
661 .RE

663 .sp
664 .ne 2
665 .na
666 \fB\fB/etc/nca\fR\fR
667 .ad
668 .sp .6
669 .RS 4n
670 Solaris Network Cache and Accelerator (\fBNCA\fR) configuration files.
671 .RE

673 .sp
674 .ne 2
675 .na
676 \fB\fB/etc/net\fR\fR
677 .ad
678 .sp .6
679 .RS 4n
680 Configuration information for transport independent network services.
681 .RE

683 .sp
684 .ne 2
685 .na
686 \fB\fB/etc/nfs\fR\fR
687 .ad
688 .sp .6
689 .RS 4n
690 NFS server logging configuration file.
691 .RE

693 .sp
694 .ne 2
695 .na
696 \fB\fB/etc/opt\fR\fR
697 .ad
698 .sp .6
699 .RS 4n
700 Configuration information for optional packages.
701 .RE

703 .sp
704 .ne 2
705 .na
706 \fB\fB/etc/pango\fR\fR
707 .ad
708 .sp .6
709 .RS 4n
710 Pango configuration and module information.
711 .RE

713 .sp
714 .ne 2
715 .na
716 \fB\fB/etc/patch\fR\fR
717 .ad
718 .sp .6
719 .RS 4n
720 Configuration files for patch management.
721 .RE
```

```
723 .sp
724 .ne 2
725 .na
726 \fB\fB/etc/ppp\fR\fR
727 .ad
728 .sp .6
729 .RS 4n
730 Solaris \fBPPP\fR configuration files.
731 .RE

733 .sp
734 .ne 2
735 .na
736 \fB\fB/etc/rc0.d\fR\fR
737 .ad
738 .sp .6
739 .RS 4n
740 Scripts for entering or leaving run level 0. See \fBinit\fR(1M).
741 .RE

743 .sp
744 .ne 2
745 .na
746 \fB\fB/etc/rc1.d\fR\fR
747 .ad
748 .sp .6
749 .RS 4n
750 Scripts for entering or leaving run level 1. See \fBinit\fR(1M).
751 .RE

753 .sp
754 .ne 2
755 .na
756 \fB\fB/etc/rc2.d\fR\fR
757 .ad
758 .sp .6
759 .RS 4n
760 Scripts for entering or leaving run level 2. See \fBinit\fR(1M).
761 .RE

763 .sp
764 .ne 2
765 .na
766 \fB\fB/etc/rc3.d\fR\fR
767 .ad
768 .sp .6
769 .RS 4n
770 Scripts for entering or leaving run level 3. See \fBinit\fR(1M).
771 .RE

773 .sp
774 .ne 2
775 .na
776 \fB\fB/etc/rcS.d\fR\fR
777 .ad
778 .sp .6
779 .RS 4n
780 Scripts for bringing the system up in single user mode.
781 .RE

783 .sp
784 .ne 2
785 .na
786 \fB\fB/etc/rcm\fR\fR
787 .ad
```

```
 788 .sp .6
 789 .RS 4n
 790 Directory for reconfiguration manager (RCM) custom scripts.
 791 .RE

 793 .sp
 794 .ne 2
 795 .na
 796 \fB\fB/etc/rpcsec\fR\fR
 797 .ad
 798 .sp .6
 799 .RS 4n
 800 This directory might contain an \fBNIS+\fR authentication configuration file.
 801 .RE

 803 .sp
 804 .ne 2
 805 .na
 806 \fB\fB/etc/saf\fR\fR
 807 .ad
 808 .sp .6
 809 .RS 4n
 810 Service Access Facility files.
 811 .RE

 813 .sp
 814 .ne 2
 815 .na
 816 \fB\fB/etc/sasl\fR\fR
 817 .ad
 818 .sp .6
 819 .RS 4n
 820 Simple Authentication and Security Layer (SASL) server configuration files.
 821 .RE

 823 .sp
 824 .ne 2
 825 .na
 826 \fB\fB/etc/security\fR\fR
 827 .ad
 828 .sp .6
 829 .RS 4n
 830 Solaris-delivered security configuration files (Audit, RBAC, crypto, Trusted
 831 Extensions).
 832 .RE

 834 .sp
 835 .ne 2
 836 .na
 837 \fB\fB/etc/sfw\fR\fR
 838 .ad
 839 .sp .6
 840 .RS 4n
 841 Platform-dependent administrative, configuration files and databases for
 842 subsystems from \fB/usr/sfw\fR that are not shared among systems.
 843 .RE

 845 .sp
 846 .ne 2
 847 .na
 848 \fB\fB/etc/sfw/samba\fR\fR
 849 .ad
 850 .sp .6
 851 .RS 4n
 852 Samba configuration files.
 853 .RE
```

```
 855 .sp
 856 .ne 2
 857 .na
 858 \fB\fB/etc/skel\fR\fR
 859 .ad
 860 .sp .6
 861 .RS 4n
 862 Default profile scripts for new user accounts. See \fBuseradd\fR(1M).
 863 .RE

 865 .sp
 866 .ne 2
 867 .na
 868 \fB\fB/etc/sma\fR\fR
 869 .ad
 870 .sp .6
 871 .RS 4n
 872 Systems Management Agent (SMA) configuration files.
 873 .RE

 875 .sp
 876 .ne 2
 877 .na
 878 \fB\fB/etc/smartcard\fR\fR
 879 .ad
 880 .sp .6
 881 .RS 4n
 882 Solaris Smart Card configuration files.
 883 .RE

 885 .sp
 886 .ne 2
 887 .na
 888 \fB\fB/etc/snmp\fR\fR
 889 .ad
 890 .sp .6
 891 .RS 4n
 892 Solstice Enterprise Agents configuration files.
 893 .RE

 895 .sp
 896 .ne 2
 897 .na
 898 \fB\fB/etc/sound\fR\fR
 899 .ad
 900 .sp .6
 901 .RS 4n
 902 Sound Events configuration files.
 903 .RE

 905 .sp
 906 .ne 2
 907 .na
 908 \fB\fB/etc/ssh\fR\fR
 909 .ad
 910 .sp .6
 911 .RS 4n
 912 Secure Shell configuration files. See \fBssh\fR(1)
 913 .RE

 915 .sp
 916 .ne 2
 917 .na
 918 \fB\fB/etc/svc\fR\fR
 919 .ad
```

```
 920 .sp .6
 921 .RS 4n
 922 SMF service repository.
 923 .RE

 925 .sp
 926 .ne 2
 927 .na
 928 \fB\fB/etc/sysevent\fR\fR
 929 .ad
 930 .sp .6
 931 .RS 4n
 932 \fBsyseventd\fR configuration files.
 933 .RE

 935 .sp
 936 .ne 2
 937 .na
 938 \fB\fB/etc/\fIsubsystem\fR\fR\fR
 939 .ad
 940 .sp .6
 941 .RS 4n
 942 Platform-dependent \fIsubsystem\fR configuration files that are not shared
 943 among systems. An approved installation location for bundled Solaris software.
 944 The analogous location for add-on system software or for applications is
 945 \fB/etc/opt/\fR\fIpackagename\fR.
 946 .RE

 948 .sp
 949 .ne 2
 950 .na
 951 \fB\fB/etc/tm\fR\fR
 952 .ad
 953 .sp .6
 954 .RS 4n
 955 Trademark files; contents displayed at boot time.
 956 .RE

 958 .sp
 959 .ne 2
 960 .na
 961 \fB\fB/etc/usb\fR\fR
 962 .ad
 963 .sp .6
 964 .RS 4n
 965 \fBUSB\fR configuration information.
 966 .RE

 968 .sp
 969 .ne 2
 970 .na
 971 \fB\fB/etc/uucp\fR\fR
 972 .ad
 973 .sp .6
 974 .RS 4n
 975 \fBUUCP\fR configuration information. See \fBuucp\fR(1C).
 976 .RE

 978 .sp
 979 .ne 2
 980 .na
 981 \fB\fB/etc/xml\fR\fR
 982 .ad
 983 .sp .6
 984 .RS 4n
 985 Extensible Markup Language (XML) catalog.
```

```
 986 .RE

 988 .sp
 989 .ne 2
 990 .na
 991 \fB\fB/etc/zones\fR\fR
 992 .ad
 993 .sp .6
 994 .RS 4n
 995 Solaris Zones configuration files.
 996 .RE

 998 .sp
 999 .ne 2
1000 .na
1001 \fB\fB/export\fR\fR
1002 .ad
1003 .sp .6
1004 .RS 4n
1005 Default root of the shared file system tree.
1006 .RE

1008 .sp
1009 .ne 2
1010 .na
1011 \fB\fB/home\fR\fR
1012 .ad
1013 .sp .6
1014 .RS 4n
1015 Default root of a subtree for user directories.
1016 .RE

1018 .sp
1019 .ne 2
1020 .na
1021 \fB\fB/kernel\fR\fR
1022 .ad
1023 .sp .6
1024 .RS 4n
1025 Subtree of platform-dependent loadable kernel modules required as part of the
1026 boot process. It includes the generic part of the core kernel that is
1027 platform-independent, \fB/kernel/genunix\fR. See \fBkernel\fR(1M) An approved
1028 installation location for bundled Solaris software and for add-on system
1029 software.
1030 .RE

1032 .sp
1033 .ne 2
1034 .na
1035 \fB\fB/kernel/drv\fR\fR
1036 .ad
1037 .sp .6
1038 .RS 4n
1039 32-bit x86 device drivers.
1040 .RE

1042 .sp
1043 .ne 2
1044 .na
1045 \fB\fB/kernel/drv/sparcv9\fR\fR
1046 .ad
1047 .sp .6
1048 .RS 4n
1049 64-bit \fBSPARC\fR device drivers.
1050 .RE
```

```
1052 .sp
1053 .ne 2
1054 .na
1055 \fB\fB/kernel/drv/amd64\fR\fR
1056 .ad
1057 .sp .6
1058 .RS 4n
1059 64-bit device drivers for 64-bit x86 platforms.
1060 .RE

1062 .sp
1063 .ne 2
1064 .na
1065 \fB\fB/kernel/dtrace\fR\fR
1066 .ad
1067 .sp .6
1068 .RS 4n
1069 Kernel modules representing components in the DTrace framework.
1070 .RE

1072 .sp
1073 .ne 2
1074 .na
1075 \fB\fB/kernel/genunix\fR\fR
1076 .ad
1077 .sp .6
1078 .RS 4n
1079 Platform-independent kernel.
1080 .RE

1082 .sp
1083 .ne 2
1084 .na
1085 \fB\fB/kernel/amd64/genunix\fR\fR
1086 .ad
1087 .sp .6
1088 .RS 4n
1089 64-bit, platform-independent kernel.
1090 .RE

1092 .sp
1093 .ne 2
1094 .na
1095 \fB\fB/kernel/\fIsubsystem\fR/amd64\fR\fR
1096 .ad
1097 .sp .6
1098 .RS 4n
1099 64-bit x86 platform-dependent modules required for boot. An approved
1100 installation location for bundled Solaris software and for add-on system
1101 software.
1102 .RE

1104 .sp
1105 .ne 2
1106 .na
1107 \fB\fB/kernel/\fIsubsystem\fR/sparcv9\fR\fR
1108 .ad
1109 .sp .6
1110 .RS 4n
1111 64-bit \fBSPARC\fR platform-dependent modules required for boot. An approved
1112 installation location for bundled Solaris software and for add-on system
1113 software.
1114 .RE

1116 .sp
1117 .ne 2
```

```
1118 .na
1119 \fB\fB/lib/svc/manifest\fR\fR
1120 .ad
1121 .sp .6
1122 .RS 4n
1123 SMF method scripts. An approved installation location for bundled Solaris
1124 software. The analogous location for add-on system software or for applications
1125 is \fB/opt/packagename/lib/svc/manifest\fR.
1126 .RE

1128 .sp
1129 .ne 2
1130 .na
1131 \fB\fB/mnt\fR\fR
1132 .ad
1133 .sp .6
1134 .RS 4n
1135 Default temporary mount point for file systems. This is an empty directory on
1136 which file systems can be temporarily mounted.
1137 .RE

1139 .sp
1140 .ne 2
1141 .na
1142 \fB\fB/net\fR\fR
1143 .ad
1144 .sp .6
1145 .RS 4n
1146 Temporary mount point for file systems that are mounted by the automounter.
1147 .RE

1149 .sp
1150 .ne 2
1151 .na
1152 \fB\fB/opt\fR\fR
1153 .ad
1154 .sp .6
1155 .RS 4n
1156 Root of a subtree for add-on application packages.
1157 .RE

1159 .sp
1160 .ne 2
1161 .na
1162 \fB\fB/platform\fR\fR
1163 .ad
1164 .sp .6
1165 .RS 4n
1166 Subtree of platform-specific objects which need to reside on the root
1167 filesystem. It contains a series of directories, one per supported platform.
1168 The semantics of the series of directories is equivalent to \fB/\fR (root).
1169 .RE

1171 .sp
1172 .ne 2
1173 .na
1174 \fB\fB/platform/\fR\fB'\fR\fBuname\fR \fB-i\fR\fB\fR\fB'\fR\fB/kernel\fR\fR
1175 .ad
1176 .sp .6
1177 .RS 4n
1178 Platform-specific modules required for boot. These modules have semantics
1179 equivalent to \fB/kernel\fR. It includes the file \fBunix\fR, the core kernel.
1180 See \fBkernel\fR(1M). An approved installation location for bundled Solaris
1181 software and for add-on system software.
1182 .RE
```

```
1184 .sp
1185 .ne 2
1186 .na
1187 \fB\fB/platform/\fR\fB'\fR\fBuname\fR \fB-m\fR\fB\fR\fB'\fR\fB/kernel\fR\fR
1188 .ad
1189 .sp .6
1190 .RS 4n
1191 Hardware class-specific modules required for boot. An approved installation
1192 location for bundled Solaris software and for add-on system software.
1193 .RE
1195 .sp
1196 .ne 2
1197 .na
1198 \fB\fB/platform/\fR\fB'\fR\fBuname\fR
1199 \fB-i\fR\fB\fR\fB'\fR\fB/kernel/\fIsubsystem\fR/amd64\fR\fR
1200 .ad
1201 .sp .6
1202 .RS 4n
1203 x86 64-bit, platform-dependent modules required for boot. This is an approved
1204 installation location for bundled Solaris software.
1205 .RE
1207 .sp
1208 .ne 2
1209 .na
1210 \fB\fB/platform/\fR\fB'\fR\fBuname\fR
1211 \fB-i\fR\fB\fR\fB'\fR\fB/kernel/\fIsubsystem\fR/sparcv9\fR\fR
1212 .ad
1213 .sp .6
1214 .RS 4n
1215 \fBSPARC\fR 64-bit platform-specific modules required for boot. An approved
1216 installation location for bundled Solaris software.
1217 .RE
1219 .sp
1220 .ne 2
1221 .na
1222 \fB\fB/platform/\fR\fB'\fR\fBuname\fR
1223 \fB-i\fR\fB\fR\fB'\fR\fB/kernel/sparcv9/unix\fR\fR
1224 .ad
1225 .sp .6
1226 .RS 4n
1227 64-bit platform-dependent kernel.
1228 .RE
1230 .sp
1231 .ne 2
1232 .na
1233 \fB\fB/platform/\fR\fB'\fR\fBuname\fR
1234 \fB-i\fR\fB\fR\fB'\fR\fB/kernel/unix\fR\fR
1235 .ad
1236 .sp .6
1237 .RS 4n
1238 32-bit platform-dependent kernel on i86 and a symlink to \fBsparcv9/unix\fR on
1239 SPARC.
1240 .RE
1242 .sp
1243 .ne 2
1244 .na
1245 \fB\fB/platform/\fR\fB'\fR\fBuname\fR \fB-i\fR\fB\fR\fB'\fR\fB/lib\fR\fR
1246 .ad
1247 .sp .6
1248 .RS 4n
1249 Platform-specific shared objects required for boot. Semantics are equivalent to
```

```
1250 \fB/lib\fR. An approved installation location for bundled Solaris software and
1251 for add-on system software.
1252 .RE
1254 .sp
1255 .ne 2
1256 .na
1257 \fB\fB/platform/\fR\fB'\fR\fBuname\fR \fB-i\fR\fB\fR\fB'\fR\fB/sbin\fR\fR
1258 .ad
1259 .sp .6
1260 .RS 4n
1261 Platform-specific administrative utilities required for boot. Semantics are
1262 equivalent to \fB/sbin\fR. An approved installation location for bundled
1263 Solaris software and for add-on system software.
1264 .RE
1266 .sp
1267 .ne 2
1268 .na
1269 \fB\fB/proc\fR\fR
1270 .ad
1271 .sp .6
1272 .RS 4n
1273 Root of a subtree for the process file system.
1274 .RE
1276 .sp
1277 .ne 2
1278 .na
1279 \fB\fB/sbin\fR\fR
1280 .ad
1281 .sp .6
1282 .RS 4n
1283 Essential executables used in the booting process and in manual system
1284 recovery. The full complement of utilities is available only after \fB/usr\fR
1285 is mounted. \fB/sbin\fR is an approved installation location for bundled
1286 Solaris software.
1287 .RE
1289 .sp
1290 .ne 2
1291 .na
1292 \fB\fB/system\fR\fR
1293 .ad
1294 .sp .6
1295 .RS 4n
1296 Mount point for the contract (CTFS) and object (OBJFS) file systems.
1297 .RE
1299 .sp
1300 .ne 2
1301 .na
1302 \fB\fB/tmp\fR\fR
1303 .ad
1304 .sp .6
1305 .RS 4n
1306 Temporary files; cleared during the boot operation.
1307 .RE
1309 .sp
1310 .ne 2
1311 .na
1312 \fB\fB/usr\fR\fR
1313 .ad
1314 .sp .6
1315 .RS 4n
```

```
1316 Mount point for the \fB/usr\fR file system. See description of \fB/usr\fR file
1317 system, below.
1318 .RE

1320 .sp
1321 .ne 2
1322 .na
1323 \fB\fB/var\fR\fR
1324 .ad
1325 .sp .6
1326 .RS 4n
1327 Root of a subtree for varying files. Varying files are files that are unique to
1328 a machine but that can grow to an arbitrary (that is, variable) size. An
1329 example is a log file. An approved installation location for bundled Solaris
1330 software. The analogous location for add-on system software or for applications
1331 is \fB/var/opt/\fR\fIpackagename\fR.
1332 .RE

1334 .sp
1335 .ne 2
1336 .na
1337 \fB\fB/var/adm\fR\fR
1338 .ad
1339 .sp .6
1340 .RS 4n
1341 System logging and accounting files.
1342 .RE

1344 .sp
1345 .ne 2
1346 .na
1347 \fB\fB/var/apache\fR\fR
1348 .ad
1349 .sp .6
1350 .RS 4n
1351 Scripts, icons, logs, and cache pages for Apache web server.
1352 .RE

1354 .sp
1355 .ne 2
1356 .na
1357 \fB\fB/var/appserver\fR\fR
1358 .ad
1359 .sp .6
1360 .RS 4n
1361 Sun Java System Application Server administrative domain files.
1362 .RE

1364 .sp
1365 .ne 2
1366 .na
1367 \fB\fB/var/audit\fR\fR
1368 .ad
1369 .sp .6
1370 .RS 4n
1371 Default location for Solaris Audit log files.
1372 .RE

1374 .sp
1375 .ne 2
1376 .na
1377 \fB\fB/var/cores\fR\fR
1378 .ad
1379 .sp .6
1380 .RS 4n
1381 Directory provided for global core files storage.
```

```
1382 .RE

1384 .sp
1385 .ne 2
1386 .na
1387 \fB\fB/var/crash\fR\fR
1388 .ad
1389 .sp .6
1390 .RS 4n
1391 Default depository for kernel crash dumps.
1392 .RE

1394 .sp
1395 .ne 2
1396 .na
1397 \fB\fB/var/cron\fR\fR
1398 .ad
1399 .sp .6
1400 .RS 4n
1401 Log files for \fBcron\fR(1M).
1402 .RE

1404 .sp
1405 .ne 2
1406 .na
1407 \fB\fB/var/dmi\fR\fR
1408 .ad
1409 .sp .6
1410 .RS 4n
1411 Solstice Enterprise Agents (\fBSEA\fR) Desktop Management Interface (\fBDMI\fR)
1412 run-time components.
1413 .RE

1415 .sp
1416 .ne 2
1417 .na
1418 \fB\fB/var/dt\fR\fR
1419 .ad
1420 .sp .6
1421 .RS 4n
1422 \fBdtlogin\fR configuration files.
1423 .RE

1425 .sp
1426 .ne 2
1427 .na
1428 \fB\fB/var/fm\fR\fR
1429 .ad
1430 .sp .6
1431 .RS 4n
1432 Fault manager state files. For more information, see \fBfmd\fR(1M).
1433 .RE

1435 .sp
1436 .ne 2
1437 .na
1438 \fB\fB/var/imq\fR\fR
1439 .ad
1440 .sp .6
1441 .RS 4n
1442 Message queue broker instance configuration file.
1443 .RE

1445 .sp
1446 .ne 2
1447 .na
```

```
1448 \fB\fB/var/ftp\fR\fR
1449 .ad
1450 .sp .6
1451 .RS 4n
1452 \fBFTP\fR server directory.
1453 .RE

1455 .sp
1456 .ne 2
1457 .na
1458 \fB\fB/var/inet\fR\fR
1459 .ad
1460 .sp .6
1461 .RS 4n
1462 IPv6 router state files.
1463 .RE

1465 .sp
1466 .ne 2
1467 .na
1468 \fB\fB/var/krb5\fR\fR
1469 .ad
1470 .sp .6
1471 .RS 4n
1472 Database and log files for Kerberos.
1473 .RE

1475 .sp
1476 .ne 2
1477 .na
1478 \fB\fB/var/ld\fR\fR
1479 .ad
1480 .sp .6
1481 .RS 4n
1482 Configuration files for runtime linker.
1483 .RE

1485 .sp
1486 .ne 2
1487 .na
1488 \fB\fB/var/ldap\fR\fR
1489 .ad
1490 .sp .6
1491 .RS 4n
1492 LDAP client configuration files.
1493 .RE

1495 .sp
1496 .ne 2
1497 .na
1498 \fB\fB/var/lib\fR\fR
1499 .ad
1500 .sp .6
1501 .RS 4n
1502 Directory for variable state information.
1503 .RE

1505 .sp
1506 .ne 2
1507 .na
1508 \fB\fB/var/log\fR\fR
1509 .ad
1510 .sp .6
1511 .RS 4n
1512 System log files.
1513 .RE
```

```
1515 .sp
1516 .ne 2
1517 .na
1518 \fB\fB/var/lp\fR\fR
1519 .ad
1520 .sp .6
1521 .RS 4n
1522 Line printer subsystem logging information.
1523 .RE

1525 .sp
1526 .ne 2
1527 .na
1528 \fB\fB/var/mail\fR\fR
1529 .ad
1530 .sp .6
1531 .RS 4n
1532 Directory where users' mail is kept.
1533 .RE

1535 .sp
1536 .ne 2
1537 .na
1538 \fB\fB/var/mysql\fR\fR
1539 .ad
1540 .sp .6
1541 .RS 4n
1542 Dynamic database directory for MySQL Database Management System.
1543 .RE

1545 .sp
1546 .ne 2
1547 .na
1548 \fB\fB/var/news\fR\fR
1549 .ad
1550 .sp .6
1551 .RS 4n
1552 Community service messages. This is not the same as USENET-style news.
1553 .RE

1555 .sp
1556 .ne 2
1557 .na
1558 \fB\fB/var/nfs\fR\fR
1559 .ad
1560 .sp .6
1561 .RS 4n
1562 NFS server log files.
1563 .RE

1565 .sp
1566 .ne 2
1567 .na
1568 \fB\fB/var/nis\fR\fR
1569 .ad
1570 .sp .6
1571 .RS 4n
1572 NIS+ databases.
1573 .RE

1575 .sp
1576 .ne 2
1577 .na
1578 \fB\fB/var/ntp\fR\fR
1579 .ad
```

```
1580 .sp .6
1581 .RS 4n
1582 Network Time Protocol (\fBNTP\fR) server state directory.
1583 .RE

1585 .sp
1586 .ne 2
1587 .na
1588 \fB\fB/var/opt\fR\fR
1589 .ad
1590 .sp .6
1591 .RS 4n
1592 Root of a subtree for varying files associated with optional software packages.
1593 An approved installation location for add-on system software and applications.
1594 .RE

1596 .sp
1597 .ne 2
1598 .na
1599 \fB\fB/var/patchsrv\fR\fR
1600 .ad
1601 .sp .6
1602 .RS 4n
1603 Patch management log files.
1604 .RE

1606 .sp
1607 .ne 2
1608 .na
1609 \fB\fB/var/preserve\fR\fR
1610 .ad
1611 .sp .6
1612 .RS 4n
1613 Backup files for \fBvi\fR(1) and \fBex\fR(1).
1614 .RE

1616 .sp
1617 .ne 2
1618 .na
1619 \fB\fB/var/run\fR\fR
1620 .ad
1621 .sp .6
1622 .RS 4n
1623 Temporary files which are not needed across reboots. Only root may modify the
1624 contents of this directory.
1625 .RE

1627 .sp
1628 .ne 2
1629 .na
1630 \fB\fB/var/sadm\fR\fR
1631 .ad
1632 .sp .6
1633 .RS 4n
1634 Databases maintained by the software package management utilities.
1635 .RE

1637 .sp
1638 .ne 2
1639 .na
1640 \fB\fB/var/sadm/system/logs\fR\fR
1641 .ad
1642 .sp .6
1643 .RS 4n
1644 Status log files produced by software management functions and/or applications.
1645 For example, log files produced for product installation. An approved
```

```
1646 installation location for bundled Solaris software and for add-on system
1647 software and applications.
1648 .RE

1650 .sp
1651 .ne 2
1652 .na
1653 \fB\fB/var/saf\fR\fR
1654 .ad
1655 .sp .6
1656 .RS 4n
1657 Service access facility logging and accounting files.
1658 .RE

1660 .sp
1661 .ne 2
1662 .na
1663 \fB\fB/var/samba\fR\fR
1664 .ad
1665 .sp .6
1666 .RS 4n
1667 Log and lock files for Samba.
1668 .RE

1670 .sp
1671 .ne 2
1672 .na
1673 \fB\fB/var/sma_snmp\fR\fR
1674 .ad
1675 .sp .6
1676 .RS 4n
1677 Systems Management Agent (SMA) security and MIB component information.
1678 .RE

1680 .sp
1681 .ne 2
1682 .na
1683 \fB\fB/var/snmp\fR\fR
1684 .ad
1685 .sp .6
1686 .RS 4n
1687 SNMP status and configuration information.
1688 .RE

1690 .sp
1691 .ne 2
1692 .na
1693 \fB\fB/var/spool\fR\fR
1694 .ad
1695 .sp .6
1696 .RS 4n
1697 Contains directories for files used in printer spooling, mail delivery,
1698 \fBcron\fR(1M), \fBat\fR(1), and so forth.
1699 .RE

1701 .sp
1702 .ne 2
1703 .na
1704 \fB\fB/var/spool/clientmqueue\fR\fR
1705 .ad
1706 .sp .6
1707 .RS 4n
1708 \fBsendmail\fR(1M) client files.
1709 .RE

1711 .sp
```

```
1712 .ne 2
1713 .na
1714 \fB\fB/var/spool/cron\fR\fR
1715 .ad
1716 .sp .6
1717 .RS 4n
1718 \fBcron\fR(1M) and \fBat\fR(1) spooling files.
1719 .RE

1721 .sp
1722 .ne 2
1723 .na
1724 \fB\fB/var/spool/locks\fR\fR
1725 .ad
1726 .sp .6
1727 .RS 4n
1728 Spooling lock files.
1729 .RE

1731 .sp
1732 .ne 2
1733 .na
1734 \fB\fB/var/spool/lp\fR\fR
1735 .ad
1736 .sp .6
1737 .RS 4n
1738 Line printer spool files. See \fBlp\fR(1).
1739 .RE

1741 .sp
1742 .ne 2
1743 .na
1744 \fB\fB/var/spool/mqueue\fR\fR
1745 .ad
1746 .sp .6
1747 .RS 4n
1748 Mail queued for delivery.
1749 .RE

1751 .sp
1752 .ne 2
1753 .na
1754 \fB\fB/var/spool/pkg\fR\fR
1755 .ad
1756 .sp .6
1757 .RS 4n
1758 Spooled packages.
1759 .RE

1761 .sp
1762 .ne 2
1763 .na
1764 \fB\fB/var/spool/print\fR\fR
1765 .ad
1766 .sp .6
1767 .RS 4n
1768 LP print service client-side request staging area.
1769 .RE

1771 .sp
1772 .ne 2
1773 .na
1774 \fB\fB/var/spool/samba\fR\fR
1775 .ad
1776 .sp .6
1777 .RS 4n
```

```
1778 Samba print queue.
1779 .RE

1781 .sp
1782 .ne 2
1783 .na
1784 \fB\fB/var/spool/uucp\fR\fR
1785 .ad
1786 .sp .6
1787 .RS 4n
1788 Queued \fBuucp\fR(1C) jobs.
1789 .RE

1791 .sp
1792 .ne 2
1793 .na
1794 \fB\fB/var/spool/uucppublic\fR\fR
1795 .ad
1796 .sp .6
1797 .RS 4n
1798 Files deposited by \fBuucp\fR(1C).
1799 .RE

1801 .sp
1802 .ne 2
1803 .na
1804 \fB\fB/var/statmon\fR\fR
1805 .ad
1806 .sp .6
1807 .RS 4n
1808 Network status monitor files.
1809 .RE

1811 .sp
1812 .ne 2
1813 .na
1814 \fB\fB/var/svc/log\fR\fR
1815 .ad
1816 .sp .6
1817 .RS 4n
1818 SMF log files.
1819 .RE

1821 .sp
1822 .ne 2
1823 .na
1824 \fB\fB/var/svc/manifest\fR\fR
1825 .ad
1826 .sp .6
1827 .RS 4n
1828 SMF service manifests. An approved installation location for bundled, add-on
1829 system software and applications.
1830 .RE

1832 .sp
1833 .ne 2
1834 .na
1835 \fB\fB/var/svc/manifest/site\fR\fR
1836 .ad
1837 .sp .6
1838 .RS 4n
1839 Site-local SMF service manifests.
1840 .RE

1842 .sp
1843 .ne 2
```

```
1844 .na
1845 \fB\fB/var/tmp/\fR\fR
1846 .ad
1847 .sp .6
1848 .RS 4n
1849 Files that vary in size or presence during normal system operations. This
1850 directory is \fBnot\fR cleared during the boot operation. An approved
1851 installation location for bundled Solaris software and for add-on system
1852 software and applications.
1853 .sp
1854 It is possible to change the default behavior for \fB/var/tmp\fR to clear all
1855 of the files except editor temporary files by setting the \fBclean_vartmp\fR
1856 property value of the \fBrmtmpfiles\fR service. This is done with the following
1857 commands:
1858 .sp
1859 .in +2
1860 .nf
1861 # \fBsvccfg -s svc:/system/rmtmpfiles setprop \e\fR
1862       \fBoptions/clean_vartmp = "true"\fR
1863 # \fBsvcadm refresh svc:/system/rmtmpfiles:default\fR
1864 .fi
1865 .in -2
1866 .sp

1868 The \fBsolaris.smf.value.rmtmpfiles\fR authorization is required to modify this
1869 property.
1870 .RE

1872 .sp
1873 .ne 2
1874 .na
1875 \fB\fB/var/uucp\fR\fR
1876 .ad
1877 .sp .6
1878 .RS 4n
1879 \fBuucp\fR(1C) log and status files.
1880 .RE

1882 .sp
1883 .ne 2
1884 .na
1885 \fB\fB/var/yp\fR\fR
1886 .ad
1887 .sp .6
1888 .RS 4n
1889 Databases needed for backwards compatibility with \fBNIS\fR and
1890 \fBypbind\fR(1M); unnecessary after full transition to \fBNIS+\fR.
1891 .RE

1893 .SS "\fB/usr\fR File System"
1894 .sp
1895 .LP
1896 Because it is desirable to keep the root file system small and not volatile, on
1897 disk-based systems larger file systems are often mounted on \fB/home\fR,
1898 \fB/opt\fR, \fB/usr\fR, and \fB/var\fR.
1899 .sp
1900 .LP
1901 The file system mounted on \fB/usr\fR contains platform-dependent and
1902 platform-independent sharable files. The subtree rooted at \fB/usr/share\fR
1903 contains platform-independent sharable files; the rest of the \fB/usr\fR tree
1904 contains platform-dependent files. By mounting a common remote file system, a
1905 group of machines with a common platform may share a single \fB/usr\fR file
1906 system. A single \fB/usr/share\fR file system can be shared by machines of any
1907 platform. A machine acting as a file server can share many different \fB/usr\fR
1908 file systems to support several different architectures and operating system
1909 releases. Clients usually mount \fB/usr\fR read-only so that they do not
```

```
1910 accidentally change any shared files.
1911 .sp
1912 .LP
1913 The \fB/usr\fR file system contains the following subdirectories:
1914 .sp
1915 .ne 2
1916 .na
1917 \fB\fB/usr/4lib\fR\fR
1918 .ad
1919 .sp .6
1920 .RS 4n
1921 \fBa.out\fR libraries for the Binary Compatibility Package.
1922 .RE

1924 .sp
1925 .ne 2
1926 .na
1927 \fB\fB/usr/5bin\fR\fR
1928 .ad
1929 .sp .6
1930 .RS 4n
1931 Symbolic link to the \fB/usr/bin\fR directory.
1932 .RE

1934 .sp
1935 .ne 2
1936 .na
1937 \fB\fB/usr/SUNWale\fR\fR
1938 .ad
1939 .sp .6
1940 .RS 4n
1941 Configuration files for Asian Lanuguage Environment (ALE).
1942 .RE

1944 .sp
1945 .ne 2
1946 .na
1947 \fB\fB/usr/X\fR\fR
1948 .ad
1949 .sp .6
1950 .RS 4n
1951 Symbolic link to the \fB/usr/openwin\fR directory.
1952 .RE

1954 .sp
1955 .ne 2
1956 .na
1957 \fB\fB/usr/X11\fR\fR
1958 .ad
1959 .sp .6
1960 .RS 4n
1961 Xorg Xserver (X11) executables and documentation.
1962 .RE

1964 .sp
1965 .ne 2
1966 .na
1967 \fB\fB/usr/adm\fR\fR
1968 .ad
1969 .sp .6
1970 .RS 4n
1971 Symbolic link to the \fB/var/adm\fR directory.
1972 .RE

1974 .sp
1975 .ne 2
```

```
1976 .na
1977 \fB\fB/usr/apache\fR\fR
1978 .ad
1979 .sp .6
1980 .RS 4n
1981 Apache executables, loadable modules, and documentation.
1982 .RE
```

```
1984 .sp
1985 .ne 2
1986 .na
1987 \fB\fB/usr/appserver\fR\fR
1988 .ad
1989 .sp .6
1990 .RS 4n
1991 Sun Java System Application Server software.
1992 .RE
```

```
1994 .sp
1995 .ne 2
1996 .na
1997 \fB\fB/usr/benchmarks\fR\fR
1998 .ad
1999 .sp .6
2000 .RS 4n
2001 Directory for benchmarks.
2002 .RE
```

```
2004 .sp
2005 .ne 2
2006 .na
2007 \fB\fB/usr/bin\fR\fR
2008 .ad
2009 .sp .6
2010 .RS 4n
2011 Platform-dependent, user-invoked executables. These are commands users expect
2012 to be run as part of their normal \fB$PATH\fR. For executables that are
2013 different on a 64-bit system than on a 32-bit system, a wrapper that selects
2014 the appropriate executable is placed here. See \fBisaexec\fR(3C). An approved
2015 installation location for bundled Solaris software. The analogous location for
2016 add-on system software or for applications is \fB/opt/\fIpackagename\fR/bin\fR.
2017 .RE
```

```
2019 .sp
2020 .ne 2
2021 .na
2022 \fB\fB/usr/bin/amd64\fR\fR
2023 .ad
2024 .sp .6
2025 .RS 4n
2026 x86 64-bit, platform-dependent, user-invoked executables. This directory should
2027 not be part of a user's \fB$PATH\fR. A wrapper in \fB/usr/bin\fR should invoke
2028 the executable in this directory. See \fBisaexec\fR(3C). An approved
2029 installation location for bundled Solaris software. The analogous location for
2030 add-on system software or for applications is
2031 \fB/opt/\fIpackagename\fR/bin/amd64\fR.
2032 .RE
```

```
2034 .sp
2035 .ne 2
2036 .na
2037 \fB\fB/usr/bin/sparcv9\fR\fR
2038 .ad
2039 .sp .6
2040 .RS 4n
2041 \fBSPARC\fR platform-dependent, user-invoked executables. This directory should
```

```
2042 not be part of a user's \fB$PATH\fR. A wrapper in \fB/usr/bin\fR should invoke
2043 the executable in this directory. See \fBisaexec\fR(3C). An approved
2044 installation location for bundled Solaris software. The analogous location for
2045 add-on system software or for applications is
2046 \fB/opt/\fIpackagename\fR/bin/sparcv9\fR.
2047 .RE
```

```
2049 .sp
2050 .ne 2
2051 .na
2052 \fB\fB/usr/bin/\fIsubsystem\fR\fR\fR
2053 .ad
2054 .sp .6
2055 .RS 4n
2056 Platform-dependent user-invoked executables that are associated with
2057 \fIsubsystem\fR. These are commands users expect to be run as part of their
2058 normal \fB$PATH\fR. An approved installation location for bundled Solaris
2059 software. The analogous location for add-on system software or for applications
2060 is \fB/opt/\fIpackagename\fR/bin\fR.
2061 .RE
```

```
2063 .sp
2064 .ne 2
2065 .na
2066 \fB\fB/usr/\fIsubsystem\fR/bin\fR\fR
2067 .ad
2068 .sp .6
2069 .RS 4n
2070 Platform-dependent user-invoked executables that are associated with
2071 \fIsubsystem\fR. These are commands users expect to be run as part of their
2072 normal \fB$PATH\fR. An approved installation location for bundled Solaris
2073 software. The analogous location for add-on system software or for applications
2074 is \fB/opt/\fIpackagename\fR/bin\fR.
2075 .RE
```

```
2077 .sp
2078 .ne 2
2079 .na
2080 \fB\fB/usr/\fIsubsystem\fR/bin/amd64\fR\fR
2081 .ad
2082 .sp .6
2083 .RS 4n
2084 x86 64-bit, platform-dependent, user-invoked executables. This directory should
2085 not be part of a user's \fB$PATH\fR. A wrapper in \fB/usr/bin\fR should invoke
2086 the executable in this directory. See \fBisaexec\fR(3C). An approved
2087 installation location for bundled Solaris software. The analogous location for
2088 add-on system software or for applications is
2089 \fB/opt/\fIpackagename\fR/bin/amd64\fR.
2090 .RE
```

```
2092 .sp
2093 .ne 2
2094 .na
2095 \fB\fB/usr/\fIsubsystem\fR/bin/sparcv9\fR\fR
2096 .ad
2097 .sp .6
2098 .RS 4n
2099 \fBSPARC\fR 64-bit, platform-dependent, user-invoked executables. This
2100 directory should not be part of a user's \fB$PATH\fR. A wrapper in
2101 \fB/usr/bin\fR should invoke the executable in this directory. See
2102 \fBisaexec\fR(3C). An approved installation location for bundled Solaris
2103 software. The analogous location for add-on system software or for applications
2104 is \fB/opt/\fIpackagename\fR/bin/sparcv9\fR.
2105 .RE
```

```
2107 .sp
```

```
2108 .ne 2
2109 .na
2110 \fB\fB/usr/ccs\fR\fR
2111 .ad
2112 .sp .6
2113 .RS 4n
2114 C compilation system.
2115 .RE

2117 .sp
2118 .ne 2
2119 .na
2120 \fB\fB/usr/ccs/bin\fR\fR
2121 .ad
2122 .sp .6
2123 .RS 4n
2124 C compilation commands and system utilities.
2125 .RE

2127 .sp
2128 .ne 2
2129 .na
2130 \fB\fB/usr/ccs/lib\fR\fR
2131 .ad
2132 .sp .6
2133 .RS 4n
2134 Symbolic link to \fB/usr/lib\fR.
2135 .RE

2137 .sp
2138 .ne 2
2139 .na
2140 \fB\fB/usr/demo\fR\fR
2141 .ad
2142 .sp .6
2143 .RS 4n
2144 Demo programs and data.
2145 .RE

2147 .sp
2148 .ne 2
2149 .na
2150 \fB\fB/usr/dict\fR\fR
2151 .ad
2152 .sp .6
2153 .RS 4n
2154 Symbolic link to the \fB/usr/share/lib/dict\fR directory, which contains the
2155 dictionary file used by the \fBUNIX\fR spell program.
2156 .RE

2158 .sp
2159 .ne 2
2160 .na
2161 \fB\fB/usr/dt\fR\fR
2162 .ad
2163 .sp .6
2164 .RS 4n
2165 root of a subtree for CDE software.
2166 .RE

2168 .sp
2169 .ne 2
2170 .na
2171 \fB\fB/usr/dt/bin\fR\fR
2172 .ad
2173 .sp .6
```

```
2174 .RS 4n
2175 Primary location for CDE system utilities.
2176 .RE

2178 .sp
2179 .ne 2
2180 .na
2181 \fB\fB/usr/dt/include\fR\fR
2182 .ad
2183 .sp .6
2184 .RS 4n
2185 Header files for CDE software.
2186 .RE

2188 .sp
2189 .ne 2
2190 .na
2191 \fB\fB/usr/dt/lib\fR\fR
2192 .ad
2193 .sp .6
2194 .RS 4n
2195 Libraries for CDE software.
2196 .RE

2198 .sp
2199 .ne 2
2200 .na
2201 \fB\fB/usr/dt/share/man\fR\fR
2202 .ad
2203 .sp .6
2204 .RS 4n
2205 On-line reference manual pages for CDE software.
2206 .RE

2208 .sp
2209 .ne 2
2210 .na
2211 \fB\fB/usr/games\fR\fR
2212 .ad
2213 .sp .6
2214 .RS 4n
2215 An empty directory, a remnant of the SunOS 4.0/4.1 software.
2216 .RE

2218 .sp
2219 .ne 2
2220 .na
2221 \fB\fB/usr/gnome\fR\fR
2222 .ad
2223 .sp .6
2224 .RS 4n
2225 This is an obsolete directory where 3rd party programs can install their
2226 applications and \fBpixmap\fR files. It is supported for backwards
2227 compatibility.
2228 .RE

2230 .sp
2231 .ne 2
2232 .na
2233 \fB\fB/usr/include\fR\fR
2234 .ad
2235 .sp .6
2236 .RS 4n
2237 Include headers (for C programs).
2238 .RE
```

```
2240 .sp
2241 .ne 2
2242 .na
2243 \fB\fB/usr/j2se\fR\fR
2244 .ad
2245 .sp .6
2246 .RS 4n
2247 Java 2 SDK executables, loadable modules, and documentation.
2248 .RE

2250 .sp
2251 .ne 2
2252 .na
2243 \fB\fB/usr/java\fI*\fR\fR\fR
2244 .ad
2245 .sp .6
2246 .RS 4n
2247 Directories containing Java programs and libraries.
2248 .RE

2250 .sp
2251 .ne 2
2252 .na
2253 \fB\fB/usr/jdk\fI*\fR\fR\fR
2254 .ad
2255 .sp .6
2256 .RS 4n
2257 Java Platform virtual machine and core class libraries.
2258 .RE

2260 .sp
2261 .ne 2
2262 .na
2263 \fB\fB/usr/kernel\fR\fR
2264 .ad
2265 .sp .6
2266 .RS 4n
2267 Subtree of platform-dependent loadable kernel modules, not needed in the root
2268 filesystem. An approved installation location for bundled Solaris software.
2269 .RE

2271 .sp
2272 .ne 2
2273 .na
2274 \fB\fB/usr/kvm\fR\fR
2275 .ad
2276 .sp .6
2277 .RS 4n
2278 A mount point, retained for backward compatibility, that formerly contained
2279 platform-specific binaries and libraries.
2280 .RE

2282 .sp
2283 .ne 2
2284 .na
2285 \fB\fB/usr/lib\fR\fR
2286 .ad
2287 .sp .6
2288 .RS 4n
2289 Platform-dependent libraries, various databases, commands and daemons not
2290 invoked directly by a human user. An approved installation location for bundled
2291 Solaris software. The analogous location for add-on system software or for
2292 applications is \fB/opt/\fIpackagename\fR/lib\fR.
2293 .RE

2295 .sp
```

```
2296 .ne 2
2297 .na
2298 \fB\fB/usr/lib/32\fR\fR
2299 .ad
2300 .sp .6
2301 .RS 4n
2302 Symbolic link to \fB/usr/lib\fR.
2303 .RE

2305 .sp
2306 .ne 2
2307 .na
2308 \fB\fB/usr/lib/64\fR\fR
2309 .ad
2310 .sp .6
2311 .RS 4n
2312 Symbolic link to the most portable 64-bit Solaris interfaces, on both SPARC and
2313 x86 platforms.
2314 .RE

2316 .sp
2317 .ne 2
2318 .na
2319 \fB\fB/usr/lib/acct\fR\fR
2320 .ad
2321 .sp .6
2322 .RS 4n
2323 Accounting scripts and binaries. See \fBacct\fR(1M).
2324 .RE

2326 .sp
2327 .ne 2
2328 .na
2329 \fB\fB/usr/lib/adb\fR\fR
2330 .ad
2331 .sp .6
2332 .RS 4n
2333 \fBadb\fR accounting scripts.
2334 .RE

2336 .sp
2337 .ne 2
2338 .na
2339 \fB\fB/usr/lib/amd64\fR\fR
2340 .ad
2341 .sp .6
2342 .RS 4n
2343 Platform-dependent libraries, various databases, commands and daemons not
2344 invoked directly by a human user on 64-bit x86. An approved installation
2345 location for bundled Solaris software. The analogous location for add-on system
2346 software or for applications is \fB/opt/\fIpackagename\fR/lib/amd64\fR.
2347 .RE

2349 .sp
2350 .ne 2
2351 .na
2352 \fB\fB/usr/lib/autofs\fR\fR
2353 .ad
2354 .sp .6
2355 .RS 4n
2356 Contains the \fBautomountd\fR executable.
2357 .RE

2359 .sp
2360 .ne 2
2361 .na
```

2362 \fB\fB/usr/lib/cfgadm\fR\fR
2363 .ad
2364 .sp .6
2365 .RS 4n
2366 Contains \fBcfgadm\fR hardware-specific driver plugins.
2367 .RE

2369 .sp
2370 .ne 2
2371 .na
2372 \fB\fB/usr/lib/class\fR\fR
2373 .ad
2374 .sp .6
2375 .RS 4n
2376 Scheduling-class-specific directories containing executables for
2377 \fBpriocntl\fR(1) and \fBdispadmin\fR(1M).
2378 .RE

2380 .sp
2381 .ne 2
2382 .na
2383 \fB\fB/usr/lib/crypto\fR\fR
2384 .ad
2385 .sp .6
2386 .RS 4n
2387 Contains the kernel-level cryptographic framework daemon (\fBkcfd\fR).
2388 .RE

2390 .sp
2391 .ne 2
2392 .na
2393 \fB\fB/usr/lib/devfsadm\fR\fR
2394 .ad
2395 .sp .6
2396 .RS 4n
2397 Contains \fBdevfsadm\fR, the daemon version of \fBdevfsadm\fR.
2398 .RE

2400 .sp
2401 .ne 2
2402 .na
2403 \fB\fB/usr/lib/dict\fR\fR
2404 .ad
2405 .sp .6
2406 .RS 4n
2407 Database files for \fBspell\fR(1).
2408 .RE

2410 .sp
2411 .ne 2
2412 .na
2413 \fB\fB/usr/lib/dns\fR\fR
2414 .ad
2415 .sp .6
2416 .RS 4n
2417 Contains DNS resolver libraries.
2418 .RE

2420 .sp
2421 .ne 2
2422 .na
2423 \fB\fB/usr/lib/dtrace\fR\fR
2424 .ad
2425 .sp .6
2426 .RS 4n
2427 Contains \fBdtrace\fR D source files.

2428 .RE

2430 .sp
2431 .ne 2
2432 .na
2433 \fB\fB/usr/lib/flash\fR\fR
2434 .ad
2435 .sp .6
2436 .RS 4n
2437 Contains Solaris flash archive deployment scripts.
2438 .RE

2440 .sp
2441 .ne 2
2442 .na
2443 \fB\fB/usr/lib/fm\fR\fR
2444 .ad
2445 .sp .6
2446 .RS 4n
2447 Contains \fBfmd\fR, the fault manager daemon and the fault manager library.
2448 .RE

2450 .sp
2451 .ne 2
2452 .na
2453 \fB\fB/usr/lib/font\fR\fR
2454 .ad
2455 .sp .6
2456 .RS 4n
2457 \fBtroff\fR(1) font description files.
2458 .RE

2460 .sp
2461 .ne 2
2462 .na
2463 \fB\fB/usr/lib/fs\fR\fR
2464 .ad
2465 .sp .6
2466 .RS 4n
2467 File system type dependent modules; generally not intended to be invoked
2468 directly by the user.
2469 .RE

2471 .sp
2472 .ne 2
2473 .na
2474 \fB\fB/usr/lib/gss\fR\fR
2475 .ad
2476 .sp .6
2477 .RS 4n
2478 Secure services-related libraries.
2479 .RE

2481 .sp
2482 .ne 2
2483 .na
2484 \fB\fB/usr/lib/iconv\fR\fR
2485 .ad
2486 .sp .6
2487 .RS 4n
2488 Conversion tables for \fBiconv\fR(1).
2489 .RE

2491 .sp
2492 .ne 2
2493 .na

```
2494 \fB\fB/usr/lib/inet\fR\fR
2495 .ad
2496 .sp .6
2497 .RS 4n
2498 Contains many network-related daemons and libraries.
2499 .RE

2501 .sp
2502 .ne 2
2503 .na
2504 \fB\fB/usr/lib/ipf\fR\fR
2505 .ad
2506 .sp .6
2507 .RS 4n
2508 Contains \fBIPFILTER.LICENCE\fR and \fBipftest\fR.
2509 .RE

2511 .sp
2512 .ne 2
2513 .na
2514 \fB\fB/usr/lib/ipqosconf\fR\fR
2515 .ad
2516 .sp .6
2517 .RS 4n
2518 IPQoS configuration utility.
2519 .RE

2521 .sp
2522 .ne 2
2523 .na
2524 \fB\fB/usr/lib/krb5\fR\fR
2525 .ad
2526 .sp .6
2527 .RS 4n
2528 Contains the Kerberos database propagation program and libraries.
2529 .RE

2531 .sp
2532 .ne 2
2533 .na
2534 \fB\fB/usr/lib/ld\fR\fR
2535 .ad
2536 .sp .6
2537 .RS 4n
2538 Contains the map files for the \fBld\fR link editor.
2539 .RE

2541 .sp
2542 .ne 2
2543 .na
2544 \fB\fB/usr/lib/ldap\fR\fR
2545 .ad
2546 .sp .6
2547 .RS 4n
2548 Contains LDAP client configuration utilities.
2549 .RE

2551 .sp
2552 .ne 2
2553 .na
2554 \fB\fB/usr/lib/libp\fR\fR
2555 .ad
2556 .sp .6
2557 .RS 4n
2558 Profiled libraries.
2559 .RE
```

```
2561 .sp
2562 .ne 2
2563 .na
2564 \fB\fB/usr/lib/llc2\fR\fR
2565 .ad
2566 .sp .6
2567 .RS 4n
2568 Contains logical link control (\fBllc2\fR) driver configuration files.
2569 .RE

2571 .sp
2572 .ne 2
2573 .na
2574 \fB\fB/usr/lib/locale\fR\fR
2575 .ad
2576 .sp .6
2577 .RS 4n
2578 Localization databases.
2579 .RE

2581 .sp
2582 .ne 2
2583 .na
2584 \fB\fB/usr/lib/lp\fR\fR
2585 .ad
2586 .sp .6
2587 .RS 4n
2588 Line printer subsystem databases and back-end executables.
2589 .RE

2591 .sp
2592 .ne 2
2593 .na
2594 \fB\fB/usr/lib/netsvc\fR\fR
2595 .ad
2596 .sp .6
2597 .RS 4n
2598 Internet network services.
2599 .RE

2601 .sp
2602 .ne 2
2603 .na
2604 \fB\fB/usr/lib/nfs\fR\fR
2605 .ad
2606 .sp .6
2607 .RS 4n
2608 Auxiliary NFS-related programs and daemons.
2609 .RE

2611 .sp
2612 .ne 2
2613 .na
2614 \fB\fB/usr/lib/nis\fR\fR
2615 .ad
2616 .sp .6
2617 .RS 4n
2618 Contains NIS+ administrative commands.
2619 .RE

2621 .sp
2622 .ne 2
2623 .na
2624 \fB\fB/usr/lib/picl\fR\fR
2625 .ad
```

```
2626 .sp .6
2627 .RS 4n
2628 Platform Information and Control Library.
2629 .RE

2631 .sp
2632 .ne 2
2633 .na
2634 \fB\fB/usr/lib/pool\fR\fR
2635 .ad
2636 .sp .6
2637 .RS 4n
2638 Contains the automated resource pools partitioning daemon (\fBpoold\fR) and
2639 associated libraries.
2640 .RE

2642 .sp
2643 .ne 2
2644 .na
2645 \fB\fB/usr/lib/power\fR\fR
2646 .ad
2647 .sp .6
2648 .RS 4n
2649 Power management daemon, \fBpowerd\fR.
2650 .RE

2652 .sp
2653 .ne 2
2654 .na
2655 \fB\fB/usr/lib/print\fR\fR
2656 .ad
2657 .sp .6
2658 .RS 4n
2659 Contains \fBlp\fR conversion scripts and the \fBin.lpd\fR daemon.
2660 .RE

2662 .sp
2663 .ne 2
2664 .na
2665 \fB\fB/usr/lib/rcap\fR\fR
2666 .ad
2667 .sp .6
2668 .RS 4n
2669 Resource cap enforcement daemon, \fBrcapd\fR.
2670 .RE

2672 .sp
2673 .ne 2
2674 .na
2675 \fB\fB/usr/lib/rcm\fR\fR
2676 .ad
2677 .sp .6
2678 .RS 4n
2679 Contains the Reconfiguration and Coordination Manager daemon (\fBrcm_daemon\fR)
2680 and RCM scripts.
2681 .RE

2683 .sp
2684 .ne 2
2685 .na
2686 \fB\fB/usr/lib/refer\fR\fR
2687 .ad
2688 .sp .6
2689 .RS 4n
2690 Auxiliary programs for \fBrefer\fR(1).
2691 .RE
```

```
2693 .sp
2694 .ne 2
2695 .na
2696 \fB\fB/usr/lib/rmmount\fR\fR
2697 .ad
2698 .sp .6
2699 .RS 4n
2700 Removable media mounter shared objects.
2701 .RE

2703 .sp
2704 .ne 2
2705 .na
2706 \fB\fB/usr/lib/sa\fR\fR
2707 .ad
2708 .sp .6
2709 .RS 4n
2710 Scripts and commands for the system activity report package. See \fBsar\fR(1).
2711 .RE

2713 .sp
2714 .ne 2
2715 .na
2716 \fB\fB/usr/lib/saf\fR\fR
2717 .ad
2718 .sp .6
2719 .RS 4n
2720 Auxiliary programs and daemons related to the service access facility.
2721 .RE

2723 .sp
2724 .ne 2
2725 .na
2726 \fB\fB/usr/lib/sasl\fR\fR
2727 .ad
2728 .sp .6
2729 .RS 4n
2730 Simple Authentication and Security Layer (SASL) plug-in modules.
2731 .RE

2733 .sp
2734 .ne 2
2735 .na
2736 \fB\fB/usr/lib/secure\fR\fR
2737 .ad
2738 .sp .6
2739 .RS 4n
2740 Default trusted libraries.
2741 .RE

2743 .sp
2744 .ne 2
2745 .na
2746 \fB\fB/usr/lib/security\fR\fR
2747 .ad
2748 .sp .6
2749 .RS 4n
2750 Solaris security plug-in modules.
2751 .RE

2753 .sp
2754 .ne 2
2755 .na
2756 \fB\fB/usr/lib/smartcard\fR\fR
2757 .ad
```

```
2758 .sp .6
2759 .RS 4n
2760 IFD handler libraries.
2761 .RE

2763 .sp
2764 .ne 2
2765 .na
2766 \fB\fB/usr/lib/smedia\fR\fR
2767 .ad
2768 .sp .6
2769 .RS 4n
2770 Removable media device server daemon, \fBrpc.smserverd\fR.
2771 .RE

2773 .sp
2774 .ne 2
2775 .na
2776 \fB\fB/usr/lib/sparcv9\fR\fR
2777 .ad
2778 .sp .6
2779 .RS 4n
2780 \fBSPARC\fR 64-bit, platform-dependent libraries, various databases, commands
2781 and daemons not invoked directly by a human user. An approved installation
2782 location for bundled Solaris software. The analogous location for add-on system
2783 software or for applications is \fB/opt/\fIpackagename\fR/lib/sparcv9\fR.
2784 .RE

2786 .sp
2787 .ne 2
2788 .na
2789 \fB\fB/usr/lib/spell\fR\fR
2790 .ad
2791 .sp .6
2792 .RS 4n
2793 Auxiliary programs and databases for \fBspell\fR(1). This directory is only
2794 present when the Binary Compatibility Package is installed.
2795 .RE

2797 .sp
2798 .ne 2
2799 .na
2800 \fB\fB/usr/lib/ssh\fR\fR
2801 .ad
2802 .sp .6
2803 .RS 4n
2804 Contains the Secure Shell daemon (\fBsshd\fR) and supporting programs.
2805 .RE

2807 .sp
2808 .ne 2
2809 .na
2810 \fB\fB/usr/lib/\fIsubsystem\fR\fR\fR
2811 .ad
2812 .sp .6
2813 .RS 4n
2814 Platform-dependent libraries, various databases, commands and daemons that are
2815 associated with \fIsubsystem\fR and that are not invoked directly by a human
2816 user. An approved installation location for bundled Solaris software. The
2817 analogous location for add-on system software or for applications is
2818 \fB/opt/\fIpackagename\fR/lib\fR.
2819 .RE

2821 .sp
2822 .ne 2
2823 .na
```

```
2824 \fB\fB/usr/lib/\fIsubsystem\fR/amd64\fR\fR
2825 .ad
2826 .sp .6
2827 .RS 4n
2828 x86 64-bit, platform-dependent libraries, various databases, commands and
2829 daemons that are associated with \fIsubsystem\fR and that are not invoked
2830 directly by a human user. An approved installation location for bundled Solaris
2831 software. The analogous location for add-on system software or for applications
2832 is \fB/opt/\fIpackagename\fR/lib/amd64\fR.
2833 .RE

2835 .sp
2836 .ne 2
2837 .na
2838 \fB\fB/usr/lib/\fIsubsystem\fR/sparcv9\fR\fR
2839 .ad
2840 .sp .6
2841 .RS 4n
2842 \fBSPARC\fR 64-bit, platform-dependent libraries, various databases, commands
2843 and daemons that are associated with \fIsubsystem\fR and that are not invoked
2844 directly by a human user. An approved installation location for bundled Solaris
2845 software. The analogous location for add-on system software or for applications
2846 is \fB/opt/\fIpackagename\fR/lib/sparcv9\fR.
2847 .RE

2849 .sp
2850 .ne 2
2851 .na
2852 \fB\fB/usr/\fIsubsystem\fR/lib\fR\fR
2853 .ad
2854 .sp .6
2855 .RS 4n
2856 Platform-dependent libraries, various databases, commands and daemons not
2857 invoked directly by a human user. An approved installation location for bundled
2858 Solaris software. The analogous location for add-on system software or for
2859 applications is \fB/opt/\fIpackagename\fR/lib\fR.
2860 .RE

2862 .sp
2863 .ne 2
2864 .na
2865 \fB\fB/usr/\fIsubsystem\fR/lib/amd64\fR\fR
2866 .ad
2867 .sp .6
2868 .RS 4n
2869 x86 64-bit, platform-dependent libraries, various databases, commands and
2870 daemons that are associated with \fIsubsystem\fR and that are not invoked
2871 directly by a human user. An approved installation location for bundled Solaris
2872 software. The analogous location for add-on system software or for applications
2873 is \fB/opt/\fIpackagename\fR/lib/amd64\fR.
2874 .RE

2876 .sp
2877 .ne 2
2878 .na
2879 \fB\fB/usr/\fIsubsystem\fR/lib/sparcv9\fR\fR
2880 .ad
2881 .sp .6
2882 .RS 4n
2883 \fBSPARC\fR 64-bit, platform-dependent libraries, various databases, commands
2884 and daemons that are associated with \fIsubsystem\fR and that are not invoked
2885 directly by a human user. An approved installation location for bundled Solaris
2886 software. The analogous location for add-on system software or for applications
2887 is \fB/opt/\fIpackagename\fR/lib/sparcv9\fR.
2888 .RE
```

```
2890 .sp
2891 .ne 2
2892 .na
2893 \fB\fB/usr/lib/sysevent\fR\fR
2894 .ad
2895 .sp .6
2896 .RS 4n
2897 Contains the system event notification daemon (\fBsyseventd\fR) and the
2898 \fBsyseventd\fR loadable module (SLM) repository.
2899 .RE
2901 .sp
2902 .ne 2
2903 .na
2904 \fB\fB/usr/lib/uucp\fR\fR
2905 .ad
2906 .sp .6
2907 .RS 4n
2908 Auxiliary programs and daemons for \fBuucp\fR(1C).
2909 .RE
2911 .sp
2912 .ne 2
2913 .na
2914 \fB\fB/usr/lib/webconsole\fR\fR
2915 .ad
2916 .sp .6
2917 .RS 4n
2918 Sun Java web console programs and scripts.
2919 .RE
2921 .sp
2922 .ne 2
2923 .na
2924 \fB\fB/usr/lib/zones\fR\fR
2925 .ad
2926 .sp .6
2927 .RS 4n
2928 Zone administration daemon (\fBzoneamd\fR).
2929 .RE
2931 .sp
2932 .ne 2
2933 .na
2934 \fB\fB/usr/local\fR\fR
2935 .ad
2936 .sp .6
2937 .RS 4n
2938 Not part of the SVR4-based Solaris distribution. The \fB/usr\fR directory is
2939 exclusively for software bundled with the Solaris operating system. If needed
2940 for storing machine-local add-on software, create the directory
2941 \fB/opt/local\fR and make \fB/usr/local\fR a symbolic link to \fB/opt/local\fR.
2942 The \fB/opt\fR directory or filesystem is for storing add-on software to the
2943 system.
2944 .RE
2946 .sp
2947 .ne 2
2948 .na
2949 \fB\fB/usr/mail\fR\fR
2950 .ad
2951 .sp .6
2952 .RS 4n
2953 Symbolic link to the \fB/var/mail\fR directory.
2954 .RE
```

```
2956 .sp
2957 .ne 2
2958 .na
2959 \fB\fB/usr/man\fR\fR
2960 .ad
2961 .sp .6
2962 .RS 4n
2963 Symbolic link to the \fB/usr/share/man\fR directory.
2964 .RE
2966 .sp
2967 .ne 2
2968 .na
2969 \fB\fB/usr/net/servers\fR\fR
2970 .ad
2971 .sp .6
2972 .RS 4n
2973 Entry points for foreign name service requests relayed using the network
2974 listener. See \fBlisten\fR(1M).
2975 .RE
2977 .sp
2978 .ne 2
2979 .na
2980 \fB\fB/usr/news\fR\fR
2981 .ad
2982 .sp .6
2983 .RS 4n
2984 Symbolic link to the \fB/var/news\fR directory.
2985 .RE
2987 .sp
2988 .ne 2
2989 .na
2990 \fB\fB/usr/old\fR\fR
2991 .ad
2992 .sp .6
2993 .RS 4n
2994 Programs that are being phased out.
2995 .RE
2997 .sp
2998 .ne 2
2999 .na
3000 \fB\fB/usr/openwin\fR\fR
3001 .ad
3002 .sp .6
3003 .RS 4n
3004 Installation or mount point for the OpenWindows software.
3005 .RE
3007 .sp
3008 .ne 2
3009 .na
3010 \fB\fB/usr/perl5\fR\fR
3011 .ad
3012 .sp .6
3013 .RS 4n
3014 Perl 5 programs and documentation
3015 .RE
3017 .sp
3018 .ne 2
3019 .na
3020 \fB\fB/usr/platform\fR\fR
3021 .ad
```

```
3022 .sp .6
3023 .RS 4n
3024 Subtree of platform-specific objects which does not need to reside on the root
3025 filesystem. It contains a series of directories, one per supported platform.
3026 The semantics of the series of directories is equivalent to \fB/platform\fR,
3027 except for subdirectories which do not provide utility under one or the other
3028 (for example, \fB/platform/include\fR is not needed).
3029 .RE

3031 .sp
3032 .ne 2
3033 .na
3034 \fB\fB/usr/platform/\fR\fB'\fR\fBuname\fR
3035 \fB-i\fR\fB\fR\fB'\fR\fB/include\fR\fR
3036 .ad
3037 .sp .6
3038 .RS 4n
3039 Symbolic link to \fB/../\fR\fB'\fR\fBuname\fR
3040 \fB-i\fR\fB\fR\fB'\fR\fB/include\fR. Platform-specific system (\fBsys\fR,
3041 \fBvm\fR) header files with semantics equivalent to \fB/usr/include\fR. An
3042 approved installation location for bundled Solaris software and for add-on
3043 system software.
3044 .RE

3046 .sp
3047 .ne 2
3048 .na
3049 \fB\fB/usr/platform/\fR\fB'\fR\fBuname\fR \fB-i\fR\fB\fR\fB'\fR\fB/lib\fR\fR
3050 .ad
3051 .sp .6
3052 .RS 4n
3053 Platform-specific shared objects with semantics equivalent to \fB/usr/lib\fR.
3054 An approved installation location for bundled Solaris software and for add-on
3055 system software.
3056 .RE

3058 .sp
3059 .ne 2
3060 .na
3061 \fB\fB/usr/platform/\fR\fB'\fR\fBuname\fR
3062 \fB-i\fR\fB\fR\fB'\fR\fB/lib/\fIsubsystem\fR/amd64\fR\fR
3063 .ad
3064 .sp .6
3065 .RS 4n
3066 x86 64-bit, platform-specific daemon and shared objects. An approved
3067 installation location for bundled Solaris software and for add-on system
3068 software.
3069 .RE

3071 .sp
3072 .ne 2
3073 .na
3074 \fB\fB/usr/platform/\fR\fB'\fR\fBuname\fR \fB-i\fR\fB\fR\fB'\fR\fB/sbin\fR\fR
3075 .ad
3076 .sp .6
3077 .RS 4n
3078 Platform-specific system administration utilities with semantics equivalent to
3079 \fB/usr/sbin\fR. An approved installation location for bundled Solaris software
3080 and for add-on system software.
3081 .RE

3083 .sp
3084 .ne 2
3085 .na
3086 \fB\fB/usr/preserve\fR\fR
3087 .ad
```

```
3088 .sp .6
3089 .RS 4n
3090 Symbolic link to the \fB/var/preserve\fR directory.
3091 .RE

3093 .sp
3094 .ne 2
3095 .na
3096 \fB\fB/usr/proc\fR\fR
3097 .ad
3098 .sp .6
3099 .RS 4n
3100 Directory for the \fBproc\fR tools.
3101 .RE

3103 .sp
3104 .ne 2
3105 .na
3106 \fB\fB/usr/pub\fR\fR
3107 .ad
3108 .sp .6
3109 .RS 4n
3110 Symbolic link to \fB/share/lib/pub\fR, which contains files for online man page
3111 and character processing.
3112 .RE

3114 .sp
3115 .ne 2
3116 .na
3117 \fB\fB/usr/sadm\fR\fR
3118 .ad
3119 .sp .6
3120 .RS 4n
3121 System administration files and directories.
3122 .RE

3124 .sp
3125 .ne 2
3126 .na
3127 \fB\fB/usr/sadm/bin\fR\fR
3128 .ad
3129 .sp .6
3130 .RS 4n
3131 Binaries for the Form and Menu Language Interpreter (\fBFMLI\fR) scripts. See
3132 \fBfmli\fR(1).
3133 .RE

3135 .sp
3136 .ne 2
3137 .na
3138 \fB\fB/usr/sadm/install\fR\fR
3139 .ad
3140 .sp .6
3141 .RS 4n
3142 Executables and scripts for package management.
3143 .RE

3145 .sp
3146 .ne 2
3147 .na
3148 \fB\fB/usr/sbin\fR\fR
3149 .ad
3150 .sp .6
3151 .RS 4n
3152 Platform-dependent executables for system administration, expected to be run
3153 only by system administrators. An approved installation location for bundled
```

```
3154 Solaris software. The analogous location for add-on system software or for
3155 applications is \fB/opt/\fIpackagename\fR/sbin\fR.
3156 .RE

3158 .sp
3159 .ne 2
3160 .na
3161 \fB\fB/usr/sbin/install.d\fR\fR
3162 .ad
3163 .sp .6
3164 .RS 4n
3165 Custom Jumpstart scripts and executables.
3166 .RE

3168 .sp
3169 .ne 2
3170 .na
3171 \fB\fB/usr/sbin/sparc7\fR and \fBsparc9\fR\fR
3172 .ad
3173 .sp .6
3174 .RS 4n
3175 32-bit and 64-bit versions of commands.
3176 .RE

3178 .sp
3179 .ne 2
3180 .na
3181 \fB\fB/usr/sbin/amd64\fR\fR
3182 .ad
3183 .sp .6
3184 .RS 4n
3185 64-bit x86versions of commands.
3186 .RE

3188 .sp
3189 .ne 2
3190 .na
3191 \fB\fB/usr/sbin/\fIsubsystem\fR\fR\fR
3192 .ad
3193 .sp .6
3194 .RS 4n
3195 Platform-dependent executables for system administration, expected to be run
3196 only by system administrators, and associated with \fIsubsystem\fR. An approved
3197 installation location for bundled Solaris software. The analogous location for
3198 add-on system software or for applications is
3199 \fB/opt/\fIpackagename\fR/sbin\fR.
3200 .RE

3202 .sp
3203 .ne 2
3204 .na
3205 \fB\fB/usr/\fIsubsystem\fR/sbin\fR\fR
3206 .ad
3207 .sp .6
3208 .RS 4n
3209 Platform-dependent executables for system administration, expected to be run
3210 only by system administrators, and associated with \fIsubsystem\fR. An approved
3211 installation location for bundled Solaris software. The analogous location for
3212 add-on system software or for applications is
3213 \fB/opt/\fIpackagename\fR/sbin\fR.
3214 .RE

3216 .sp
3217 .ne 2
3218 .na
3219 \fB\fB/usr/sfw\fR\fR
```

```
3220 .ad
3221 .sp .6
3222 .RS 4n
3223 \fBGNU\fR and open source executables, libraries, and documentation.
3224 .RE

3226 .sp
3227 .ne 2
3228 .na
3229 \fB\fB/usr/share\fR\fR
3230 .ad
3231 .sp .6
3232 .RS 4n
3233 Platform-independent sharable files. An approved installation location for
3234 bundled Solaris software.
3235 .RE

3237 .sp
3238 .ne 2
3239 .na
3240 \fB\fB/usr/share/aclocal\fR\fR
3241 .ad
3242 .sp .6
3243 .RS 4n
3244 Open source \fBm4\fR files.
3245 .RE

3247 .sp
3248 .ne 2
3249 .na
3250 \fB\fB/usr/share/applications\fR\fR
3251 .ad
3252 .sp .6
3253 .RS 4n
3254 Open source desktop applications files.
3255 .RE

3257 .sp
3258 .ne 2
3259 .na
3260 \fB\fB/usr/share/audio\fR\fR
3261 .ad
3262 .sp .6
3263 .RS 4n
3264 Sample audio files.
3265 .RE

3267 .sp
3268 .ne 2
3269 .na
3270 \fB\fB/usr/share/glib-2.0\fR\fR
3271 .ad
3272 .sp .6
3273 .RS 4n
3274 Makefile for \fBglib\fR.
3275 .RE

3277 .sp
3278 .ne 2
3279 .na
3280 \fB\fB/usr/share/gnome\fR\fR
3281 .ad
3282 .sp .6
3283 .RS 4n
3284 GNOME desktop and application data.
3285 .RE
```

```
3287 .sp
3288 .ne 2
3289 .na
3290 \fB\fB/usr/share/gtk-2.0\fR\fR
3291 .ad
3292 .sp .6
3293 .RS 4n
3294 GTK+ application data and demos
3295 .RE
```

```
3297 .sp
3298 .ne 2
3299 .na
3300 \fB\fB/usr/share/gtk-doc\fR\fR
3301 .ad
3302 .sp .6
3303 .RS 4n
3304 API documentation for libraries which use gtk-doc documentation format, which
3305 mostly includes desktop interfaces.
3306 .RE
```

```
3308 .sp
3309 .ne 2
3310 .na
3311 \fB\fB/usr/share/icons\fR\fR
3312 .ad
3313 .sp .6
3314 .RS 4n
3315 Sun Java Desktop icons.
3316 .RE
```

```
3318 .sp
3319 .ne 2
3320 .na
3321 \fB\fB/usr/share/idl\fR\fR
3322 .ad
3323 .sp .6
3324 .RS 4n
3325 Open source Interface Definition Language (IDL) files.
3326 .RE
```

```
3328 .sp
3329 .ne 2
3330 .na
3331 \fB\fB/usr/share/intltool\fR\fR
3332 .ad
3333 .sp .6
3334 .RS 4n
3335 XML translation tools.
3336 .RE
```

```
3338 .sp
3339 .ne 2
3340 .na
3341 \fB\fB/usr/share/ipfilter\fR\fR
3342 .ad
3343 .sp .6
3344 .RS 4n
3345 Open source IP Filter sample files.
3346 .RE
```

```
3348 .sp
3349 .ne 2
3350 .na
3351 \fB\fB/usr/share/javadoc\fR\fR
```

```
3352 .ad
3353 .sp .6
3354 .RS 4n
3355 Help files for Message Queue broker and Smart Card applications.
3356 .RE
```

```
3358 .sp
3359 .ne 2
3360 .na
3361 \fB\fB/usr/share/lib\fR\fR
3362 .ad
3363 .sp .6
3364 .RS 4n
3365 Platform-independent sharable databases. An approved installation location for
3366 bundled Solaris software.
3367 .RE
```

```
3369 .sp
3370 .ne 2
3371 .na
3372 \fB\fB/usr/share/lib/dict\fR\fR
3373 .ad
3374 .sp .6
3375 .RS 4n
3376 Contains word list for \fBspell\fR(1).
3377 .RE
```

```
3379 .sp
3380 .ne 2
3381 .na
3382 \fB\fB/usr/share/lib/keytables\fR\fR
3383 .ad
3384 .sp .6
3385 .RS 4n
3386 Keyboard layout description tables.
3387 .RE
```

```
3389 .sp
3390 .ne 2
3391 .na
3392 \fB\fB/usr/share/lib/mailx\fR\fR
3393 .ad
3394 .sp .6
3395 .RS 4n
3396 Help files for \fBmailx\fR(1).
3397 .RE
```

```
3399 .sp
3400 .ne 2
3401 .na
3402 \fB\fB/usr/share/lib/nterm\fR\fR
3403 .ad
3404 .sp .6
3405 .RS 4n
3406 \fBnroff\fR(1) terminal tables.
3407 .RE
```

```
3409 .sp
3410 .ne 2
3411 .na
3412 \fB\fB/usr/share/lib/pub\fR\fR
3413 .ad
3414 .sp .6
3415 .RS 4n
3416 Character set data files.
3417 .RE
```

```
3419 .sp
3420 .ne 2
3421 .na
3422 \fB\fB/usr/share/lib/tabset\fR\fR
3423 .ad
3424 .sp .6
3425 .RS 4n
3426 Tab setting escape sequences.
3427 .RE

3429 .sp
3430 .ne 2
3431 .na
3432 \fB\fB/usr/share/lib/terminfo\fR\fR
3433 .ad
3434 .sp .6
3435 .RS 4n
3436 Terminal description files for \fBterminfo\fR(4).
3437 .RE

3439 .sp
3440 .ne 2
3441 .na
3442 \fB\fB/usr/share/lib/tmac\fR\fR
3443 .ad
3444 .sp .6
3445 .RS 4n
3446 Macro packages and related files for text processing tools, for example,
3447 \fBnroff\fR(1) and \fBtroff\fR(1).
3448 .RE

3450 .sp
3451 .ne 2
3452 .na
3453 \fB\fB/usr/share/lib/zoneinfo\fR\fR
3454 .ad
3455 .sp .6
3456 .RS 4n
3457 Time zone information.
3458 .RE

3460 .sp
3461 .ne 2
3462 .na
3463 \fB\fB/usr/share/man\fR\fR
3464 .ad
3465 .sp .6
3466 .RS 4n
3467 Platform-independent sharable manual pages. An approved installation location
3468 for bundled Solaris software. The analogous location for add-on system software
3469 or for applications is \fB/opt/\fIpackagename\fR/man\fR.
3470 .RE

3472 .sp
3473 .ne 2
3474 .na
3475 \fB\fB/usr/share/omf\fR\fR
3476 .ad
3477 .sp .6
3478 .RS 4n
3479 GNOME Scrollkeeper database files.
3480 .RE

3482 .sp
3483 .ne 2
```

```
3484 .na
3485 \fB\fB/usr/share/pixmaps\fR\fR
3486 .ad
3487 .sp .6
3488 .RS 4n
3489 Sun Java graphics.
3490 .RE

3492 .sp
3493 .ne 2
3494 .na
3495 \fB\fB/usr/share/scrollkeeper\fR\fR
3496 .ad
3497 .sp .6
3498 .RS 4n
3499 GNOME Scrollkeeper templates and \fBxslt\fR files.
3500 .RE

3502 .sp
3503 .ne 2
3504 .na
3505 \fB\fB/usr/share/sgml\fR\fR
3506 .ad
3507 .sp .6
3508 .RS 4n
3509 Open source SGML files.
3510 .RE

3512 .sp
3513 .ne 2
3514 .na
3515 \fB\fB/usr/share/sounds\fR\fR
3516 .ad
3517 .sp .6
3518 .RS 4n
3519 Sound files.
3520 .RE

3522 .sp
3523 .ne 2
3524 .na
3525 \fB\fB/usr/share/src\fR\fR
3526 .ad
3527 .sp .6
3528 .RS 4n
3529 Source code for kernel, utilities, and libraries.
3530 .RE

3532 .sp
3533 .ne 2
3534 .na
3535 \fB\fB/usr/share/themes\fR\fR
3536 .ad
3537 .sp .6
3538 .RS 4n
3539 GNOME 2.0 Desktop themes.
3540 .RE

3542 .sp
3543 .ne 2
3544 .na
3545 \fB\fB/usr/share/webconsole\fR\fR
3546 .ad
3547 .sp .6
3548 .RS 4n
3549 Sun Web Console status files.
```

```
3550 .RE

3552 .sp
3553 .ne 2
3554 .na
3555 \fB\fB/usr/share/xml\fR\fR
3556 .ad
3557 .sp .6
3558 .RS 4n
3559 GNOME Scrollkeeper DTD files.
3560 .RE

3562 .sp
3563 .ne 2
3564 .na
3565 \fB\fB/usr/snadm\fR\fR
3566 .ad
3567 .sp .6
3568 .RS 4n
3569 Files related to system and network administration.
3570 .RE

3572 .sp
3573 .ne 2
3574 .na
3575 \fB\fB/usr/spool\fR\fR
3576 .ad
3577 .sp .6
3578 .RS 4n
3579 Symbolic link to the \fB/var/spool\fR directory.
3580 .RE

3582 .sp
3583 .ne 2
3584 .na
3585 \fB\fB/usr/src\fR\fR
3586 .ad
3587 .sp .6
3588 .RS 4n
3589 Symbolic link to the \fB/usr/share/src\fR directory.
3590 .RE
3591 .sp
3592 .sp
3593 .ne 2
3594 .na
3595 \fB\fB/usr/tmp\fR\fR
3596 .ad
3597 .sp .6
3598 .RS 4n
3599 Symbolic link to the \fB/var/tmp\fR directory.
3600 .RE

3602 .sp
3603 .ne 2
3604 .na
3605 \fB\fB/usr/ucb\fR\fR
3606 .ad
3607 .sp .6
3608 .RS 4n
3609 Berkeley compatibility package binaries.
3610 .RE

3612 .sp
3613 .ne 2
3614 .na
3615 \fB\fB/usr/ucbinclude\fR\fR
```

```
3616 .ad
3617 .sp .6
3618 .RS 4n
3619 Berkeley compatibility package headers.
3620 .RE

3622 .sp
3623 .ne 2
3624 .na
3625 \fB\fB/usr/ucblib\fR\fR
3626 .ad
3627 .sp .6
3628 .RS 4n
3629 Berkeley compatibility package libraries.
3630 .RE

3632 .sp
3633 .ne 2
3634 .na
3635 \fB\fB/usr/xpg4\fR\fR
3636 .ad
3637 .sp .6
3638 .RS 4n
3639 Directory for POSIX-compliant utilities.
3640 .RE

3642 .sp
3643 .ne 2
3644 .na
3645 \fB\fB/usr/xpg6\fR\fR
3646 .ad
3647 .sp .6
3648 .RS 4n
3649 Directory for newer versions of POSIX-compliant utilities.
3650 .RE

3652 .SH SEE ALSO
3653 .sp
3654 .LP
3655 \fBat\fR(1), \fBex\fR(1), \fBfmli\fR(1), \fBiconv\fR(1), \fBlp\fR(1),
3656 \fBisainfo\fR(1), \fBmail\fR(1), \fBmailx\fR(1), \fBnroff\fR(1),
3657 \fBpriocntl\fR(1), \fBrefer\fR(1), \fBsar\fR(1), \fBsh\fR(1), \fBspell\fR(1),
3658 \fBsvcs\fR(1), \fBtroff\fR(1), \fBuname\fR(1), \fBuucp\fR(1C), \fBvi\fR(1),
3659 \fBacct\fR(1M), \fBcron\fR(1M), \fBdispadmin\fR(1M), \fBdladm\fR(1M),
3660 \fBfmd\fR(1M), \fBfsck\fR(1M), \fBinit\fR(1M), \fBkernel\fR(1M),
3661 \fBmknod\fR(1M), \fBmount\fR(1M), \fBsvcadm\fR(1M), \fBsvccfg\fR(1M),
3662 \fBuseradd\fR(1M), \fBypbind\fR(1M), \fBmount\fR(2), \fBIntro\fR(4),
3663 \fBterminfo\fR(4)
```

****
   89472 Sun May 4 07:12:52 2014
new/usr/src/pkg/manifests/SUNWcs.mf
4744 Remove traces of /var/sadm/system/admin/default_java
****

```
   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
280 dir path=var/saf
281 dir path=var/saf/zsmon group=sys
282 dir path=var/spool
283 dir path=var/spool/cron group=sys
284 dir path=var/spool/cron/atjobs group=sys
285 dir path=var/spool/cron/crontabs group=sys
286 dir path=var/spool/locks group=uucp owner=uucp
287 dir path=var/svc group=sys
288 dir path=var/svc/log group=sys
289 dir path=var/svc/manifest group=sys
290 dir path=var/svc/manifest/application group=sys
291 dir path=var/svc/manifest/application/management group=sys
292 dir path=var/svc/manifest/application/print group=sys
293 dir path=var/svc/manifest/application/security group=sys
294 dir path=var/svc/manifest/device group=sys
295 dir path=var/svc/manifest/milestone group=sys
296 dir path=var/svc/manifest/network group=sys
297 dir path=var/svc/manifest/network/dns group=sys
298 dir path=var/svc/manifest/network/ipsec group=sys
299 dir path=var/svc/manifest/network/ldap group=sys
300 dir path=var/svc/manifest/network/nfs group=sys
301 dir path=var/svc/manifest/network/nis group=sys
302 dir path=var/svc/manifest/network/routing group=sys
303 dir path=var/svc/manifest/network/rpc group=sys
304 dir path=var/svc/manifest/network/security group=sys
305 dir path=var/svc/manifest/network/shares group=sys
306 dir path=var/svc/manifest/network/ssl group=sys
307 dir path=var/svc/manifest/platform group=sys
308 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4u group=sys
309 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4v group=sys
310 dir path=var/svc/manifest/site group=sys
311 dir path=var/svc/manifest/system group=sys
312 dir path=var/svc/manifest/system/device group=sys
313 dir path=var/svc/manifest/system/filesystem group=sys
314 dir path=var/svc/manifest/system/security group=sys
315 dir path=var/svc/manifest/system/svc group=sys
316 dir path=var/svc/profile group=sys
317 dir path=var/tmp group=sys mode=1777
318 driver name=dump perms="dump 0660 root sys"
319 driver name=fssnap \
320     policy="ctl read_priv_set=sys_config write_priv_set=sys_config" \
321     perms="* 0640 root sys" perms="ctl 0666 root sys"
322 driver name=kstat perms="* 0666 root sys"
```

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

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

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

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

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

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

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

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

```
851 file path=usr/bin/tput mode=0555
852 file path=usr/bin/tr mode=0555
853 file path=usr/bin/true mode=0555
854 file path=usr/bin/tty mode=0555
855 file path=usr/bin/tzselect mode=0555
856 file path=usr/bin/userattr mode=0555
857 file path=usr/bin/vmstat mode=0555
858 file path=usr/bin/which mode=0555
859 file path=usr/bin/who mode=0555
860 file path=usr/bin/wracct mode=0555
861 file path=usr/bin/write group=tty mode=2555
862 file path=usr/bin/xargs mode=0555
863 file path=usr/bin/xstr mode=0555
864 file path=usr/has/bin/edit mode=0555
865 file path=usr/has/bin/sh mode=0555
866 file path=usr/has/man/man1has/edit.1has
867 file path=usr/has/man/man1has/ex.1has
868 file path=usr/has/man/man1has/sh.1has
869 file path=usr/has/man/man1has/vi.1has
870 file path=usr/kernel/drv/$(ARCH64)/dump group=sys
871 file path=usr/kernel/drv/$(ARCH64)/fssnap group=sys
872 file path=usr/kernel/drv/$(ARCH64)/kstat group=sys
873 file path=usr/kernel/drv/$(ARCH64)/ksyms group=sys
874 file path=usr/kernel/drv/$(ARCH64)/logindmux group=sys
875 file path=usr/kernel/drv/$(ARCH64)/ptm group=sys
876 file path=usr/kernel/drv/$(ARCH64)/pts group=sys
877 $(i386_ONLY)file path=usr/kernel/drv/dump group=sys
878 file path=usr/kernel/drv/dump.conf group=sys
879 $(i386_ONLY)file path=usr/kernel/drv/fssnap group=sys
880 file path=usr/kernel/drv/fssnap.conf group=sys
881 $(i386_ONLY)file path=usr/kernel/drv/kstat group=sys
882 file path=usr/kernel/drv/kstat.conf group=sys
883 $(i386_ONLY)file path=usr/kernel/drv/ksyms group=sys
884 file path=usr/kernel/drv/ksyms.conf group=sys
885 $(i386_ONLY)file path=usr/kernel/drv/logindmux group=sys
886 file path=usr/kernel/drv/logindmux.conf group=sys
887 $(i386_ONLY)file path=usr/kernel/drv/ptm group=sys
888 file path=usr/kernel/drv/ptm.conf group=sys
889 $(i386_ONLY)file path=usr/kernel/drv/pts group=sys
890 file path=usr/kernel/drv/pts.conf group=sys
891 file path=usr/kernel/exec/$(ARCH64)/javaexec group=sys mode=0755
892 file path=usr/kernel/exec/$(ARCH64)/shbinexec group=sys mode=0755
893 $(i386_ONLY)file path=usr/kernel/exec/javaexec group=sys mode=0755
894 $(i386_ONLY)file path=usr/kernel/exec/shbinexec group=sys mode=0755
895 file path=usr/kernel/fs/$(ARCH64)/fdfs group=sys mode=0755
896 file path=usr/kernel/fs/$(ARCH64)/pcfs group=sys mode=0755
897 $(i386_ONLY)file path=usr/kernel/fs/fdfs group=sys mode=0755
898 $(i386_ONLY)file path=usr/kernel/fs/pcfs group=sys mode=0755
899 file path=usr/kernel/sched/$(ARCH64)/FX group=sys mode=0755
900 file path=usr/kernel/sched/$(ARCH64)/FX_DPTBL group=sys mode=0755
901 file path=usr/kernel/sched/$(ARCH64)/IA group=sys mode=0755
902 file path=usr/kernel/sched/$(ARCH64)/RT group=sys mode=0755
903 file path=usr/kernel/sched/$(ARCH64)/RT_DPTBL group=sys mode=0755
904 $(i386_ONLY)file path=usr/kernel/sched/FX group=sys mode=0755
905 $(i386_ONLY)file path=usr/kernel/sched/FX_DPTBL group=sys mode=0755
906 $(i386_ONLY)file path=usr/kernel/sched/IA group=sys mode=0755
907 $(i386_ONLY)file path=usr/kernel/sched/RT group=sys mode=0755
908 $(i386_ONLY)file path=usr/kernel/sched/RT_DPTBL group=sys mode=0755
909 file path=usr/kernel/strmod/$(ARCH64)/cryptmod group=sys mode=0755
910 file path=usr/kernel/strmod/$(ARCH64)/rlmod group=sys mode=0755
911 file path=usr/kernel/strmod/$(ARCH64)/telmod group=sys mode=0755
912 $(i386_ONLY)file path=usr/kernel/strmod/cryptmod group=sys mode=0755
913 $(i386_ONLY)file path=usr/kernel/strmod/rlmod group=sys mode=0755
914 $(i386_ONLY)file path=usr/kernel/strmod/telmod group=sys mode=0755
915 file path=usr/kernel/sys/$(ARCH64)/acctctl group=sys mode=0755
916 file path=usr/kernel/sys/$(ARCH64)/exacctsys group=sys mode=0755
```

```
917 file path=usr/kernel/sys/$(ARCH64)/sysacct group=sys mode=0755
918 $(i386_ONLY)file path=usr/kernel/sys/acctctl group=sys mode=0755
919 $(i386_ONLY)file path=usr/kernel/sys/exacctsys group=sys mode=0755
920 $(i386_ONLY)file path=usr/kernel/sys/sysacct group=sys mode=0755
921 file path=usr/kvm/README group=sys
922 file path=usr/lib/$(ARCH64)/libshare.so.1
923 file path=usr/lib/audit/audit_record_attr mode=0444
924 file path=usr/lib/calprog mode=0555
925 file path=usr/lib/class/FX/FXdispadmin mode=0555
926 file path=usr/lib/class/FX/FXpriocntl mode=0555
927 file path=usr/lib/class/IA/IAdispadmin mode=0555
928 file path=usr/lib/class/IA/IApriocntl mode=0555
929 file path=usr/lib/class/RT/RTdispadmin mode=0555
930 file path=usr/lib/class/RT/RTpriocntl mode=0555
931 file path=usr/lib/class/SDC/SDCdispadmin mode=0555
932 file path=usr/lib/class/SDC/SDCpriocntl mode=0555
933 file path=usr/lib/class/TS/TSdispadmin mode=0555
934 file path=usr/lib/class/TS/TSpriocntl mode=0555
935 file path=usr/lib/devfsadm/linkmod/SUNW_audio_link.so group=sys
936 file path=usr/lib/devfsadm/linkmod/SUNW_cfg_link.so group=sys
937 file path=usr/lib/devfsadm/linkmod/SUNW_disk_link.so group=sys
938 file path=usr/lib/devfsadm/linkmod/SUNW_fssnap_link.so group=sys
939 file path=usr/lib/devfsadm/linkmod/SUNW_ieee1394_link.so group=sys
940 file path=usr/lib/devfsadm/linkmod/SUNW_lofi_link.so group=sys
941 file path=usr/lib/devfsadm/linkmod/SUNW_md_link.so group=sys
942 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link.so group=sys
943 file path=usr/lib/devfsadm/linkmod/SUNW_misc_link_$(ARCH).so group=sys
944 file path=usr/lib/devfsadm/linkmod/SUNW_port_link.so group=sys
945 file path=usr/lib/devfsadm/linkmod/SUNW_ramdisk_link.so group=sys
946 file path=usr/lib/devfsadm/linkmod/SUNW_sgen_link.so group=sys
947 file path=usr/lib/devfsadm/linkmod/SUNW_smp_link.so group=sys
948 file path=usr/lib/devfsadm/linkmod/SUNW_tape_link.so group=sys
949 file path=usr/lib/devfsadm/linkmod/SUNW_usb_link.so group=sys
950 $(i386_ONLY)file path=usr/lib/devfsadm/linkmod/SUNW_xen_link.so group=sys
951 file path=usr/lib/diffh mode=0555
952 file path=usr/lib/expreserve mode=0555
953 file path=usr/lib/exrecover mode=0555
954 file path=usr/lib/fs/cachefs/cachefsd mode=0555
955 file path=usr/lib/fs/cachefs/cachefslog mode=0555
956 file path=usr/lib/fs/cachefs/cachefspack mode=0555
957 file path=usr/lib/fs/cachefs/cachefsstat mode=0555
958 file path=usr/lib/fs/cachefs/cachefswssize mode=0555
959 file path=usr/lib/fs/cachefs/cfsadmin mode=0555
960 file path=usr/lib/fs/cachefs/cfsfstype mode=0555
961 file path=usr/lib/fs/cachefs/cfstagchk mode=0555
962 file path=usr/lib/fs/cachefs/dfshares mode=0555
963 file path=usr/lib/fs/cachefs/fsck mode=0555
964 file path=usr/lib/fs/cachefs/mount mode=0555
965 file path=usr/lib/fs/cachefs/share mode=0555
966 file path=usr/lib/fs/cachefs/umount mode=0555
967 file path=usr/lib/fs/cachefs/unshare mode=0555
968 file path=usr/lib/fs/ctfs/mount mode=0555
969 file path=usr/lib/fs/fd/mount mode=0555
970 file path=usr/lib/fs/hsfs/fstyp.so.1 mode=0555
971 file path=usr/lib/fs/hsfs/labelit mode=0555
972 file path=usr/lib/fs/lofs/mount mode=0555
973 file path=usr/lib/fs/mntfs/mount mode=0555
974 file path=usr/lib/fs/objfs/mount mode=0555
975 file path=usr/lib/fs/proc/mount mode=0555
976 file path=usr/lib/fs/sharefs/mount mode=0555
977 file path=usr/lib/fs/tmpfs/mount mode=0555
978 file path=usr/lib/fs/ufs/clri mode=0555
979 file path=usr/lib/fs/ufs/df mode=0555
980 file path=usr/lib/fs/ufs/edquota mode=0555
981 file path=usr/lib/fs/ufs/ff mode=0555
982 file path=usr/lib/fs/ufs/fsck mode=0555
```

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

```
1049 file path=usr/lib/help/auths/locale/C/SmfCronStates.html
1050 file path=usr/lib/help/auths/locale/C/SmfExAcctFlowStates.html
1051 file path=usr/lib/help/auths/locale/C/SmfExAcctNetStates.html
1052 file path=usr/lib/help/auths/locale/C/SmfExAcctProcessStates.html
1053 file path=usr/lib/help/auths/locale/C/SmfExAcctTaskStates.html
1054 file path=usr/lib/help/auths/locale/C/SmfHeader.html
1055 file path=usr/lib/help/auths/locale/C/SmfILBStates.html
1056 file path=usr/lib/help/auths/locale/C/SmfIPsecStates.html
1057 file path=usr/lib/help/auths/locale/C/SmfIdmapStates.html
1058 file path=usr/lib/help/auths/locale/C/SmfInetdStates.html
1059 file path=usr/lib/help/auths/locale/C/SmfLocationStates.html
1060 file path=usr/lib/help/auths/locale/C/SmfMDNSStates.html
1061 file path=usr/lib/help/auths/locale/C/SmfManageAudit.html
1062 file path=usr/lib/help/auths/locale/C/SmfManageHeader.html
1063 file path=usr/lib/help/auths/locale/C/SmfManageHotplug.html
1064 file path=usr/lib/help/auths/locale/C/SmfManageZFSSnap.html
1065 file path=usr/lib/help/auths/locale/C/SmfModifyAppl.html
1066 file path=usr/lib/help/auths/locale/C/SmfModifyDepend.html
1067 file path=usr/lib/help/auths/locale/C/SmfModifyFramework.html
1068 file path=usr/lib/help/auths/locale/C/SmfModifyHeader.html
1069 file path=usr/lib/help/auths/locale/C/SmfModifyMethod.html
1070 file path=usr/lib/help/auths/locale/C/SmfNADDStates.html
1071 file path=usr/lib/help/auths/locale/C/SmfNDMPStates.html
1072 file path=usr/lib/help/auths/locale/C/SmfNWAMStates.html
1073 file path=usr/lib/help/auths/locale/C/SmfNscdStates.html
1074 file path=usr/lib/help/auths/locale/C/SmfPowerStates.html
1075 file path=usr/lib/help/auths/locale/C/SmfReparseStates.html
1076 file path=usr/lib/help/auths/locale/C/SmfRoutingStates.html
1077 file path=usr/lib/help/auths/locale/C/SmfSMBFSStates.html
1078 file path=usr/lib/help/auths/locale/C/SmfSMBStates.html
1079 file path=usr/lib/help/auths/locale/C/SmfSendmailStates.html
1080 file path=usr/lib/help/auths/locale/C/SmfSshStates.html
1081 file path=usr/lib/help/auths/locale/C/SmfSyslogStates.html
1082 file path=usr/lib/help/auths/locale/C/SmfVRRPStates.html
1083 file path=usr/lib/help/auths/locale/C/SmfValueAudit.html
1084 file path=usr/lib/help/auths/locale/C/SmfValueCoreadm.html
1085 file path=usr/lib/help/auths/locale/C/SmfValueExAcctFlow.html
1086 file path=usr/lib/help/auths/locale/C/SmfValueExAcctNet.html
1087 file path=usr/lib/help/auths/locale/C/SmfValueExAcctProcess.html
1088 file path=usr/lib/help/auths/locale/C/SmfValueExAcctTask.html
1089 file path=usr/lib/help/auths/locale/C/SmfValueFirewall.html
1090 file path=usr/lib/help/auths/locale/C/SmfValueHeader.html
1091 file path=usr/lib/help/auths/locale/C/SmfValueIPsec.html
1092 file path=usr/lib/help/auths/locale/C/SmfValueIdmap.html
1093 file path=usr/lib/help/auths/locale/C/SmfValueInetd.html
1094 file path=usr/lib/help/auths/locale/C/SmfValueMDNS.html
1095 file path=usr/lib/help/auths/locale/C/SmfValueNADD.html
1096 file path=usr/lib/help/auths/locale/C/SmfValueNDMP.html
1097 file path=usr/lib/help/auths/locale/C/SmfValueNWAM.html
1098 file path=usr/lib/help/auths/locale/C/SmfValueRouting.html
1099 file path=usr/lib/help/auths/locale/C/SmfValueSMB.html
1100 file path=usr/lib/help/auths/locale/C/SmfValueVscan.html
1101 file path=usr/lib/help/auths/locale/C/SmfValueVt.html
1102 file path=usr/lib/help/auths/locale/C/SmfVscanStates.html
1103 file path=usr/lib/help/auths/locale/C/SmfVtStates.html
1104 file path=usr/lib/help/auths/locale/C/SmfWpaStates.html
1105 file path=usr/lib/help/auths/locale/C/SysCpuPowerMgmt.html
1106 file path=usr/lib/help/auths/locale/C/SysDate.html
1107 file path=usr/lib/help/auths/locale/C/SysHeader.html
1108 file path=usr/lib/help/auths/locale/C/SysMaintenance.html
1109 file path=usr/lib/help/auths/locale/C/SysPowerMgmtBrightness.html
1110 file path=usr/lib/help/auths/locale/C/SysPowerMgmtHeader.html
1111 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspend.html
1112 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoDisk.html
1113 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoRAM.html
1114 file path=usr/lib/help/auths/locale/C/SysShutdown.html
```

```
1115 file path=usr/lib/help/auths/locale/C/SysSyseventRead.html
1116 file path=usr/lib/help/auths/locale/C/SysSyseventWrite.html
1117 file path=usr/lib/help/auths/locale/C/WifiConfig.html
1118 file path=usr/lib/help/auths/locale/C/WifiWep.html
1119 file path=usr/lib/help/auths/locale/C/ZoneCloneFrom.html
1120 file path=usr/lib/help/auths/locale/C/ZoneHeader.html
1121 file path=usr/lib/help/auths/locale/C/ZoneLogin.html
1122 file path=usr/lib/help/auths/locale/C/ZoneManage.html
1123 file path=usr/lib/help/profiles/locale/C/RtAcctadm.html
1124 file path=usr/lib/help/profiles/locale/C/RtAll.html
1125 file path=usr/lib/help/profiles/locale/C/RtAuditCfg.html
1126 file path=usr/lib/help/profiles/locale/C/RtAuditCtrl.html
1127 file path=usr/lib/help/profiles/locale/C/RtAuditReview.html
1128 file path=usr/lib/help/profiles/locale/C/RtCPUPowerManagement.html
1129 file path=usr/lib/help/profiles/locale/C/RtConsUser.html
1130 file path=usr/lib/help/profiles/locale/C/RtContractObserver.html
1131 file path=usr/lib/help/profiles/locale/C/RtCronMngmnt.html
1132 file path=usr/lib/help/profiles/locale/C/RtCryptoMngmnt.html
1133 file path=usr/lib/help/profiles/locale/C/RtDHCPMngmnt.html
1134 file path=usr/lib/help/profiles/locale/C/RtDatAdmin.html
1135 file path=usr/lib/help/profiles/locale/C/RtDefault.html
1136 file path=usr/lib/help/profiles/locale/C/RtDeviceMngmnt.html
1137 file path=usr/lib/help/profiles/locale/C/RtDeviceSecurity.html
1138 file path=usr/lib/help/profiles/locale/C/RtExAcctFlow.html
1139 file path=usr/lib/help/profiles/locale/C/RtExAcctNet.html
1140 file path=usr/lib/help/profiles/locale/C/RtExAcctProcess.html
1141 file path=usr/lib/help/profiles/locale/C/RtExAcctTask.html
1142 file path=usr/lib/help/profiles/locale/C/RtFTPMngmnt.html
1143 file path=usr/lib/help/profiles/locale/C/RtFileSysMngmnt.html
1144 file path=usr/lib/help/profiles/locale/C/RtFileSysSecurity.html
1145 file path=usr/lib/help/profiles/locale/C/RtHotplugMngmnt.html
1146 file path=usr/lib/help/profiles/locale/C/RtIPFilterMngmnt.html
1147 file path=usr/lib/help/profiles/locale/C/RtIdmapMngmnt.html
1148 file path=usr/lib/help/profiles/locale/C/RtIdmapNameRulesMngmnt.html
1149 file path=usr/lib/help/profiles/locale/C/RtInetdMngmnt.html
1150 file path=usr/lib/help/profiles/locale/C/RtKerberosClntMngmnt.html
1151 file path=usr/lib/help/profiles/locale/C/RtKerberosSrvrMngmnt.html
1152 file path=usr/lib/help/profiles/locale/C/RtLogMngmnt.html
1153 file path=usr/lib/help/profiles/locale/C/RtMailMngmnt.html
1154 file path=usr/lib/help/profiles/locale/C/RtMaintAndRepair.html
1155 file path=usr/lib/help/profiles/locale/C/RtMediaBkup.html
1156 file path=usr/lib/help/profiles/locale/C/RtMediaCtlg.html
1157 file path=usr/lib/help/profiles/locale/C/RtMediaRestore.html
1158 file path=usr/lib/help/profiles/locale/C/RtNDMPMngmnt.html
1159 file path=usr/lib/help/profiles/locale/C/RtNameServiceAdmin.html
1160 file path=usr/lib/help/profiles/locale/C/RtNameServiceSecure.html
1161 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfAdmin.html
1162 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfUser.html
1163 file path=usr/lib/help/profiles/locale/C/RtNetILB.html
1164 file path=usr/lib/help/profiles/locale/C/RtNetIPsec.html
1165 file path=usr/lib/help/profiles/locale/C/RtNetLinkSecure.html
1166 file path=usr/lib/help/profiles/locale/C/RtNetMngmnt.html
1167 file path=usr/lib/help/profiles/locale/C/RtNetObservability.html
1168 file path=usr/lib/help/profiles/locale/C/RtNetSecure.html
1169 file path=usr/lib/help/profiles/locale/C/RtNetVRRP.html
1170 file path=usr/lib/help/profiles/locale/C/RtNetWifiMngmnt.html
1171 file path=usr/lib/help/profiles/locale/C/RtNetWifiSecure.html
1172 file path=usr/lib/help/profiles/locale/C/RtObAccessMngmnt.html
1173 file path=usr/lib/help/profiles/locale/C/RtOperator.html
1174 file path=usr/lib/help/profiles/locale/C/RtPriAdmin.html
1175 file path=usr/lib/help/profiles/locale/C/RtPrntAdmin.html
1176 file path=usr/lib/help/profiles/locale/C/RtProcManagement.html
1177 file path=usr/lib/help/profiles/locale/C/RtReparseMngmnt.html
1178 file path=usr/lib/help/profiles/locale/C/RtReservedProfile.html
1179 file path=usr/lib/help/profiles/locale/C/RtRightsDelegate.html
1180 file path=usr/lib/help/profiles/locale/C/RtSMBFSMngmnt.html
```

```
1181 file path=usr/lib/help/profiles/locale/C/RtSMBMngmnt.html
1182 file path=usr/lib/help/profiles/locale/C/RtSoftwareInstall.html
1183 file path=usr/lib/help/profiles/locale/C/RtSysAdmin.html
1184 file path=usr/lib/help/profiles/locale/C/RtSysEvMngmnt.html
1185 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmt.html
1186 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtBrightness.html
1187 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspend.html
1188 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoDisk.html
1189 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoRAM.html
1190 file path=usr/lib/help/profiles/locale/C/RtUserMngmnt.html
1191 file path=usr/lib/help/profiles/locale/C/RtUserSecurity.html
1192 file path=usr/lib/help/profiles/locale/C/RtVscanMngmnt.html
1193 file path=usr/lib/help/profiles/locale/C/RtZFSFileSysMngmnt.html
1194 file path=usr/lib/help/profiles/locale/C/RtZFSStorageMngmnt.html
1195 file path=usr/lib/help/profiles/locale/C/RtZoneMngmnt.html
1196 file path=usr/lib/help/profiles/locale/C/RtZoneSecurity.html
1197 file path=usr/lib/hotplugd mode=0555
1198 file path=usr/lib/iconv/646da.8859.t mode=0444
1199 file path=usr/lib/iconv/646de.8859.t mode=0444
1200 file path=usr/lib/iconv/646en.8859.t mode=0444
1201 file path=usr/lib/iconv/646es.8859.t mode=0444
1202 file path=usr/lib/iconv/646fr.8859.t mode=0444
1203 file path=usr/lib/iconv/646it.8859.t mode=0444
1204 file path=usr/lib/iconv/646sv.8859.t mode=0444
1205 file path=usr/lib/iconv/8859.646.t mode=0444
1206 file path=usr/lib/iconv/8859.646da.t mode=0444
1207 file path=usr/lib/iconv/8859.646de.t mode=0444
1208 file path=usr/lib/iconv/8859.646en.t mode=0444
1209 file path=usr/lib/iconv/8859.646es.t mode=0444
1210 file path=usr/lib/iconv/8859.646fr.t mode=0444
1211 file path=usr/lib/iconv/8859.646it.t mode=0444
1212 file path=usr/lib/iconv/8859.646sv.t mode=0444
1213 file path=usr/lib/iconv/iconv_data mode=0444
1214 file path=usr/lib/idmapd mode=0555
1215 file path=usr/lib/inet/$(ARCH32)/in.iked mode=0555
1216 file path=usr/lib/inet/$(ARCH64)/in.iked mode=0555
1217 file path=usr/lib/inet/certdb mode=0555
1218 file path=usr/lib/inet/certlocal mode=0555
1219 file path=usr/lib/inet/certrldb mode=0555
1220 file path=usr/lib/inet/inetd mode=0555
1221 file path=usr/lib/intrd mode=0555
1222 file path=usr/lib/isaexec mode=0555
1223 file path=usr/lib/kssladm mode=0555
1224 $(sparc_ONLY)file path=usr/lib/ld.so
1225 file path=usr/lib/libshare.so.1
1226 file path=usr/lib/makekey mode=0555
1227 file path=usr/lib/more.help
1228 file path=usr/lib/newsyslog group=sys mode=0555
1229 file path=usr/lib/passmgmt group=sys mode=0555
1230 file path=usr/lib/pci/pcidr mode=0555
1231 file path=usr/lib/pci/pcidr_plugin.so
1232 file path=usr/lib/pfexecd mode=0555
1233 file path=usr/lib/platexec mode=0555
1234 file path=usr/lib/rcm/modules/SUNW_aggr_rcm.so mode=0555
1235 file path=usr/lib/rcm/modules/SUNW_cluster_rcm.so mode=0555
1236 file path=usr/lib/rcm/modules/SUNW_dump_rcm.so mode=0555
1237 file path=usr/lib/rcm/modules/SUNW_filesys_rcm.so mode=0555
1238 file path=usr/lib/rcm/modules/SUNW_ibpart_rcm.so mode=0555
1239 file path=usr/lib/rcm/modules/SUNW_ip_anon_rcm.so mode=0555
1240 file path=usr/lib/rcm/modules/SUNW_ip_rcm.so mode=0555
1241 file path=usr/lib/rcm/modules/SUNW_mpxio_rcm.so mode=0555
1242 file path=usr/lib/rcm/modules/SUNW_network_rcm.so mode=0555
1243 file path=usr/lib/rcm/modules/SUNW_swap_rcm.so mode=0555
1244 $(sparc_ONLY)file path=usr/lib/rcm/modules/SUNW_ttymux_rcm.so mode=0555
1245 file path=usr/lib/rcm/modules/SUNW_vlan_rcm.so mode=0555
1246 file path=usr/lib/rcm/modules/SUNW_vnic_rcm.so mode=0555
```

```
1247 file path=usr/lib/rcm/rcm_daemon mode=0555
1248 file path=usr/lib/reparse/reparsed group=sys mode=0555
1249 file path=usr/lib/saf/listen group=sys mode=0755
1250 file path=usr/lib/saf/nlps_server group=sys mode=0755
1251 file path=usr/lib/saf/sac group=sys mode=0555
1252 file path=usr/lib/saf/ttymon group=sys mode=0555
1253 file path=usr/lib/sysevent/modules/datalink_mod.so
1254 file path=usr/lib/sysevent/modules/devfsadmd_mod.so
1255 file path=usr/lib/sysevent/modules/sysevent_conf_mod.so
1256 file path=usr/lib/sysevent/modules/sysevent_reg_mod.so
1257 file path=usr/lib/sysevent/syseventconfd mode=0555
1258 file path=usr/lib/sysevent/syseventd mode=0555
1259 file path=usr/lib/utmp_update mode=4555
1260 file path=usr/lib/utmpd mode=0555
1261 file path=usr/lib/vtdaemon mode=0555
1262 file path=usr/lib/vtinfo mode=0555
1263 file path=usr/lib/vtxlock mode=0555
1264 file path=usr/sadm/bin/puttext mode=0555
1265 file path=usr/sadm/install/miniroot.db group=sys mode=0444
1266 file path=usr/sadm/install/scripts/i.ipsecalgs group=sys mode=0555
1267 file path=usr/sadm/install/scripts/i.kcfconf group=sys mode=0555
1268 file path=usr/sadm/install/scripts/i.kmfconf group=sys mode=0555
1269 file path=usr/sadm/install/scripts/i.manifest group=sys mode=0555
1270 file path=usr/sadm/install/scripts/i.pkcs11conf group=sys mode=0555
1271 file path=usr/sadm/install/scripts/i.rbac group=sys mode=0555
1272 file path=usr/sadm/install/scripts/r.ipsecalgs group=sys mode=0555
1273 file path=usr/sadm/install/scripts/r.kcfconf group=sys mode=0555
1274 file path=usr/sadm/install/scripts/r.kmfconf group=sys mode=0555
1275 file path=usr/sadm/install/scripts/r.manifest group=sys mode=0555
1276 file path=usr/sadm/install/scripts/r.pkcs11conf group=sys mode=0555
1277 file path=usr/sadm/install/scripts/r.rbac group=sys mode=0555
1278 file path=usr/sadm/ugdates mode=0444
1279 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/add_drv group=sys mode=0555
1280 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modinfo group=sys mode=0555
1281 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modload group=sys mode=0555
1282 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modunload group=sys mode=0555
1283 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/pbind group=sys mode=0555
1284 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/prtconf group=sys mode=2555
1285 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/psrset group=sys mode=0555
1286 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/rem_drv group=sys mode=0555
1287 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/swap group=sys mode=2555
1288 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/sysdef group=sys mode=2555
1289 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/update_drv group=sys mode=0555
1290 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/whodo mode=4555
1291 file path=usr/sbin/$(ARCH64)/add_drv group=sys mode=0555
1292 file path=usr/sbin/$(ARCH64)/modinfo group=sys mode=0555
1293 file path=usr/sbin/$(ARCH64)/modload group=sys mode=0555
1294 file path=usr/sbin/$(ARCH64)/modunload group=sys mode=0555
1295 file path=usr/sbin/$(ARCH64)/pbind group=sys mode=0555
1296 file path=usr/sbin/$(ARCH64)/prtconf group=sys mode=2555
1297 file path=usr/sbin/$(ARCH64)/psrset group=sys mode=0555
1298 file path=usr/sbin/$(ARCH64)/rem_drv group=sys mode=0555
1299 file path=usr/sbin/$(ARCH64)/swap group=sys mode=2555
1300 file path=usr/sbin/$(ARCH64)/sysdef group=sys mode=2555
1301 file path=usr/sbin/$(ARCH64)/update_drv group=sys mode=0555
1302 file path=usr/sbin/$(ARCH64)/whodo mode=4555
1303 file path=usr/sbin/6to4relay mode=0555
1304 file path=usr/sbin/acctadm mode=0555
1305 file path=usr/sbin/allocate mode=4555
1306 file path=usr/sbin/arp mode=0555
1307 file path=usr/sbin/audit mode=0555
1308 file path=usr/sbin/auditconfig mode=0555
1309 file path=usr/sbin/auditd mode=0555
1310 file path=usr/sbin/auditrecord mode=0555
1311 file path=usr/sbin/auditreduce mode=0555
1312 file path=usr/sbin/auditstat mode=0555
```

```
1313 file path=usr/sbin/cfgadm mode=0555
1314 file path=usr/sbin/chroot mode=0555
1315 file path=usr/sbin/clear_locks mode=0555
1316 file path=usr/sbin/clinfo mode=0555
1317 file path=usr/sbin/clri mode=0555
1318 file path=usr/sbin/consadm group=sys mode=0555
1319 file path=usr/sbin/cron group=sys mode=0555
1320 file path=usr/sbin/devfsadm group=sys mode=0755
1321 file path=usr/sbin/devinfo mode=0555
1322 file path=usr/sbin/df mode=0555
1323 file path=usr/sbin/dfmounts mode=0555
1324 file path=usr/sbin/dispadmin mode=0555
1325 file path=usr/sbin/dminfo mode=0555
1326 file path=usr/sbin/dumpadm mode=0555
1327 file path=usr/sbin/eeprom group=sys mode=2555
1328 file path=usr/sbin/ff mode=0555
1329 file path=usr/sbin/fmthard group=sys mode=0555
1330 file path=usr/sbin/format mode=0555
1331 file path=usr/sbin/fsck mode=0555
1332 file path=usr/sbin/fstyp group=sys mode=0555
1333 file path=usr/sbin/fuser mode=0555
1334 file path=usr/sbin/getdevpolicy group=sys mode=0555
1335 file path=usr/sbin/getmajor group=sys mode=0755
1336 file path=usr/sbin/groupadd group=sys mode=0555
1337 file path=usr/sbin/groupdel group=sys mode=0555
1338 file path=usr/sbin/groupmod group=sys mode=0555
1339 file path=usr/sbin/grpck mode=0555
1340 file path=usr/sbin/halt mode=0755
1341 file path=usr/sbin/hotplug mode=0555
1342 file path=usr/sbin/idmap mode=0555
1343 file path=usr/sbin/if_mpadm mode=0555
1344 file path=usr/sbin/ikeadm mode=0555
1345 file path=usr/sbin/ikecert mode=0555
1346 file path=usr/sbin/inetadm mode=0555
1347 file path=usr/sbin/inetconv mode=0555
1348 file path=usr/sbin/install mode=0555
1349 file path=usr/sbin/installboot group=sys mode=0555
1350 file path=usr/sbin/ipaddrsel mode=0555
1351 file path=usr/sbin/ipsecalgs mode=0555
1352 file path=usr/sbin/ipsecconf mode=0555
1353 file path=usr/sbin/ipseckey mode=0555
1354 file path=usr/sbin/keyserv group=sys mode=0555
1355 file path=usr/sbin/killall mode=0555
1356 file path=usr/sbin/ksslcfg mode=0555
1357 file path=usr/sbin/link mode=0555
1358 file path=usr/sbin/locator mode=0555
1359 file path=usr/sbin/lofiadm mode=0555
1360 file path=usr/sbin/logadm mode=0555
1361 file path=usr/sbin/makedbm mode=0555
1362 file path=usr/sbin/mkdevalloc mode=0555
1363 file path=usr/sbin/mkfile mode=0555
1364 file path=usr/sbin/mknod mode=0555
1365 file path=usr/sbin/mountall group=sys mode=0555
1366 file path=usr/sbin/msgid mode=0555
1367 file path=usr/sbin/mvdir mode=0555
1368 file path=usr/sbin/ndd mode=0555
1369 file path=usr/sbin/nlsadmin group=adm mode=0755
1370 file path=usr/sbin/nscd mode=0555
1371 file path=usr/sbin/nwamadm mode=0555
1372 file path=usr/sbin/nwamcfg mode=0555
1373 file path=usr/sbin/pmadm group=sys mode=0555
1374 file path=usr/sbin/praudit mode=0555
1375 $(i386_ONLY)file path=usr/sbin/prtdiag group=sys mode=2755
1376 file path=usr/sbin/prtvtoc group=sys mode=0555
1377 file path=usr/sbin/psradm group=sys mode=0555
1378 file path=usr/sbin/psrinfo group=sys mode=0555
```

```
1379 file path=usr/sbin/pwck mode=0555
1380 file path=usr/sbin/pwconv group=sys mode=0555
1381 file path=usr/sbin/raidctl mode=0555
1382 file path=usr/sbin/ramdiskadm mode=0555
1383 file path=usr/sbin/rctladm mode=0555
1384 file path=usr/sbin/root_archive group=sys mode=0555
1385 file path=usr/sbin/rpcbind mode=0555
1386 $(i386_ONLY)file path=usr/sbin/rtc mode=0555
1387 file path=usr/sbin/sacadm group=sys mode=4755
1388 file path=usr/sbin/setmnt mode=0555
1389 file path=usr/sbin/shareall mode=0555
1390 file path=usr/sbin/sharectl mode=0555
1391 file path=usr/sbin/sharemgr mode=0555
1392 file path=usr/sbin/shutdown group=sys mode=0755
1393 file path=usr/sbin/smbios mode=0555
1394 file path=usr/sbin/stmsboot mode=0555
1395 file path=usr/sbin/strace group=sys mode=0555
1396 file path=usr/sbin/strclean group=sys mode=0555
1397 file path=usr/sbin/strerr group=sys mode=0555
1398 file path=usr/sbin/sttydefs group=sys mode=0755
1399 file path=usr/sbin/svcadm mode=0555
1400 file path=usr/sbin/svccfg mode=0555
1401 file path=usr/sbin/syncinit mode=0555
1402 file path=usr/sbin/syncloop mode=0555
1403 file path=usr/sbin/syncstat mode=0555
1404 file path=usr/sbin/syseventadm group=sys mode=0555
1405 file path=usr/sbin/syslogd group=sys mode=0555
1406 file path=usr/sbin/tar mode=0555
1407 file path=usr/sbin/traceroute mode=4555
1408 file path=usr/sbin/trapstat mode=0555
1409 file path=usr/sbin/ttyadm group=sys mode=0755
1410 $(i386_ONLY)file path=usr/sbin/ucodeadm mode=0555
1411 file path=usr/sbin/umountall group=sys mode=0555
1412 file path=usr/sbin/unlink mode=0555
1413 file path=usr/sbin/unshareall mode=0555
1414 file path=usr/sbin/useradd group=sys mode=0555
1415 file path=usr/sbin/userdel group=sys mode=0555
1416 file path=usr/sbin/usermod group=sys mode=0555
1417 $(sparc_ONLY)file path=usr/sbin/virtinfo mode=0555
1418 file path=usr/sbin/volcopy mode=0555
1419 file path=usr/sbin/wall group=tty mode=2555
1420 file path=usr/sbin/zdump mode=0555
1421 file path=usr/sbin/zic mode=0555
1422 file path=usr/share/doc/ksh/COMPATIBILITY
1423 file path=usr/share/doc/ksh/DESIGN
1424 file path=usr/share/doc/ksh/OBSOLETE
1425 file path=usr/share/doc/ksh/README
1426 file path=usr/share/doc/ksh/RELEASE
1427 file path=usr/share/doc/ksh/TYPES
1428 file path=usr/share/doc/ksh/images/callouts/1.png
1429 file path=usr/share/doc/ksh/images/callouts/10.png
1430 file path=usr/share/doc/ksh/images/callouts/2.png
1431 file path=usr/share/doc/ksh/images/callouts/3.png
1432 file path=usr/share/doc/ksh/images/callouts/4.png
1433 file path=usr/share/doc/ksh/images/callouts/5.png
1434 file path=usr/share/doc/ksh/images/callouts/6.png
1435 file path=usr/share/doc/ksh/images/callouts/7.png
1436 file path=usr/share/doc/ksh/images/callouts/8.png
1437 file path=usr/share/doc/ksh/images/callouts/9.png
1438 file path=usr/share/doc/ksh/images/tag_bourne.png
1439 file path=usr/share/doc/ksh/images/tag_i18n.png
1440 file path=usr/share/doc/ksh/images/tag_ksh.png
1441 file path=usr/share/doc/ksh/images/tag_ksh88.png
1442 file path=usr/share/doc/ksh/images/tag_ksh93.png
1443 file path=usr/share/doc/ksh/images/tag_l10n.png
1444 file path=usr/share/doc/ksh/images/tag_perf.png
```

```
1445 file path=usr/share/doc/ksh/shell_styleguide.docbook
1446 file path=usr/share/doc/ksh/shell_styleguide.html
1447 file path=usr/share/lib/mailx/mailx.help
1448 file path=usr/share/lib/mailx/mailx.help.~
1449 file path=usr/share/lib/tabset/3101
1450 file path=usr/share/lib/tabset/beehive
1451 file path=usr/share/lib/tabset/hds
1452 file path=usr/share/lib/tabset/hds3
1453 file path=usr/share/lib/tabset/std
1454 file path=usr/share/lib/tabset/stdcrt
1455 file path=usr/share/lib/tabset/teleray
1456 file path=usr/share/lib/tabset/vt100
1457 file path=usr/share/lib/tabset/wyse-adds
1458 file path=usr/share/lib/tabset/xerox1720
1459 file path=usr/share/lib/termcap
1460 file path=usr/share/lib/unittab
1461 file path=usr/share/lib/xml/dtd/adt_record.dtd.1
1462 file path=usr/share/lib/xml/dtd/kmfpolicy.dtd
1463 file path=usr/share/lib/xml/dtd/service_bundle.dtd.1 group=sys
1464 file path=usr/share/lib/xml/style/adt_record.xsl.1
1465 file path=var/adm/aculog mode=0600 owner=uucp preserve=true
1466 file path=var/adm/spellhist mode=0666 preserve=true
1467 file path=var/adm/utmpx preserve=true
1468 file path=var/adm/wtmpx group=adm owner=adm preserve=true
1469 file path=var/log/authlog group=sys mode=0600 preserve=true
1470 file path=var/log/syslog group=sys preserve=true
1474 file path=var/sadm/system/admin/default_java group=sys mode=0444
1471 file path=var/saf/zsmon/log group=sys preserve=true
1472 file path=var/spool/cron/crontabs/adm group=sys mode=0600 preserve=true
1473 file path=var/spool/cron/crontabs/root group=sys mode=0600 preserve=true
1474 hardlink path=etc/rc2.d/S20sysetup target=../../etc/init.d/sysetup
1475 hardlink path=etc/rc2.d/S73cachefs.daemon \
1476     target=../../etc/init.d/cachefs.daemon
1477 hardlink path=etc/rc2.d/S89PRESERVE target=../../etc/init.d/PRESERVE
1478 $(sparc_ONLY)hardlink path=etc/svc/profile/platform_SUNW,Sun-Fire-V890.xml \
1479     target=./platform_SUNW,Sun-Fire-880.xml
1480 $(sparc_ONLY)hardlink \
1481     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-40.xml \
1482     target=./platform_SUNW,UltraSPARC-IIi-Netract.xml
1483 $(sparc_ONLY)hardlink \
1484     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-60.xml \
1485     target=./platform_SUNW,UltraSPARC-IIi-Netract.xml
1486 hardlink path=sbin/rc5 target=../sbin/rc0
1487 hardlink path=sbin/rc6 target=../sbin/rc0
1488 hardlink path=usr/bin/$(ARCH32)/encrypt target=decrypt
1489 hardlink path=usr/bin/$(ARCH32)/ksh target=ksh93
1490 hardlink path=usr/bin/$(ARCH32)/mac target=digest
1491 hardlink path=usr/bin/$(ARCH32)/rksh target=ksh93
1492 hardlink path=usr/bin/$(ARCH32)/rksh93 target=ksh93
1493 $(i386_ONLY)hardlink path=usr/bin/$(ARCH32)/w target=uptime
1494 hardlink path=usr/bin/$(ARCH64)/encrypt target=decrypt
1495 hardlink path=usr/bin/$(ARCH64)/ksh target=ksh93
1496 hardlink path=usr/bin/$(ARCH64)/mac target=digest
1497 hardlink path=usr/bin/$(ARCH64)/rksh target=ksh93
1498 hardlink path=usr/bin/$(ARCH64)/rksh93 target=ksh93
1499 hardlink path=usr/bin/$(ARCH64)/w target=uptime
1500 hardlink path=usr/bin/bg target=../../usr/bin/alias
1501 hardlink path=usr/bin/cd target=../../usr/bin/alias
1502 hardlink path=usr/bin/cksum target=../../usr/bin/alias
1503 hardlink path=usr/bin/cmp target=../../usr/bin/alias
1504 hardlink path=usr/bin/comm target=../../usr/bin/alias
1505 hardlink path=usr/bin/command target=../../usr/bin/alias
1506 hardlink path=usr/bin/cut target=../../usr/bin/alias
1507 hardlink path=usr/bin/decrypt target=../../usr/lib/isaexec
1508 hardlink path=usr/bin/digest target=../../usr/lib/isaexec
1509 hardlink path=usr/bin/dispgid target=../../usr/bin/ckgid
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1510 hardlink path=usr/bin/dispuid target=../../usr/bin/ckuid
1511 hardlink path=usr/bin/edit target=../has/bin/edit
1512 hardlink path=usr/bin/encrypt target=../../usr/lib/isaexec
1513 hardlink path=usr/bin/fc target=../../usr/bin/alias
1514 hardlink path=usr/bin/fg target=../../usr/bin/alias
1515 hardlink path=usr/bin/getopts target=../../usr/bin/alias
1516 hardlink path=usr/bin/hash target=../../usr/bin/alias
1517 hardlink path=usr/bin/i386 target=../../usr/bin/i286
1518 hardlink path=usr/bin/i486 target=../../usr/bin/i286
1519 hardlink path=usr/bin/i860 target=../../usr/bin/i286
1520 hardlink path=usr/bin/i86pc target=../../usr/bin/i286
1521 hardlink path=usr/bin/iAPX286 target=../../usr/bin/i286
1522 hardlink path=usr/bin/jobs target=../../usr/bin/alias
1523 hardlink path=usr/bin/join target=../../usr/bin/alias
1524 hardlink path=usr/bin/kill target=../../usr/bin/alias
1525 hardlink path=usr/bin/ksh target=../../usr/lib/isaexec
1526 hardlink path=usr/bin/ksh93 target=../../usr/lib/isaexec
1527 hardlink path=usr/bin/ln target=../../usr/bin/cp
1528 hardlink path=usr/bin/logname target=../../usr/bin/alias
1529 hardlink path=usr/bin/m68k target=../../usr/bin/i286
1530 hardlink path=usr/bin/mac target=../../usr/lib/isaexec
1531 hardlink path=usr/bin/mc68000 target=../../usr/bin/i286
1532 hardlink path=usr/bin/mc68010 target=../../usr/bin/i286
1533 hardlink path=usr/bin/mc68020 target=../../usr/bin/i286
1534 hardlink path=usr/bin/mc68030 target=../../usr/bin/i286
1535 hardlink path=usr/bin/mc68040 target=../../usr/bin/i286
1536 hardlink path=usr/bin/mv target=../../usr/bin/cp
1537 hardlink path=usr/bin/newtask target=../../usr/lib/isaexec
1538 hardlink path=usr/bin/nohup target=../../usr/lib/isaexec
1539 hardlink path=usr/bin/page target=../../usr/bin/more
1540 hardlink path=usr/bin/paste target=../../usr/bin/alias
1541 hardlink path=usr/bin/pdp11 target=../../usr/bin/i286
1542 hardlink path=usr/bin/pfbash target=../../usr/bin/pfexec
1543 hardlink path=usr/bin/pfcsh target=../../usr/bin/pfexec
1544 hardlink path=usr/bin/pfksh target=../../usr/bin/pfexec
1545 hardlink path=usr/bin/pfksh93 target=../../usr/bin/pfexec
1546 hardlink path=usr/bin/pfrksh target=../../usr/bin/pfexec
1547 hardlink path=usr/bin/pfrksh93 target=../../usr/bin/pfexec
1548 hardlink path=usr/bin/pfsh target=../../usr/bin/pfexec
1549 hardlink path=usr/bin/pftcsh target=../../usr/bin/pfexec
1550 hardlink path=usr/bin/pfzsh target=../../usr/bin/pfexec
1551 hardlink path=usr/bin/pkill target=../../usr/bin/pgrep
1552 hardlink path=usr/bin/prctl target=../../usr/lib/isaexec
1553 hardlink path=usr/bin/print target=../../usr/bin/alias
1554 hardlink path=usr/bin/prstat target=../../usr/lib/isaexec
1555 hardlink path=usr/bin/ps target=../../usr/lib/isaexec
1556 hardlink path=usr/bin/read target=../../usr/bin/alias
1557 hardlink path=usr/bin/red target=../../usr/bin/ed
1558 hardlink path=usr/bin/rev target=../../usr/bin/alias
1559 hardlink path=usr/bin/rksh target=../../usr/lib/isaexec
1560 hardlink path=usr/bin/rksh93 target=../../usr/lib/isaexec
1561 hardlink path=usr/bin/savecore target=../../usr/lib/isaexec
1562 hardlink path=usr/bin/setuname target=../../usr/lib/isaexec
1563 hardlink path=usr/bin/sleep target=../../usr/bin/alias
1564 hardlink path=usr/bin/sparc target=../../usr/bin/i286
1565 hardlink path=usr/bin/sum target=../../usr/bin/alias
1566 hardlink path=usr/bin/sun target=../../usr/bin/i286
1567 hardlink path=usr/bin/sun2 target=../../usr/bin/i286
1568 hardlink path=usr/bin/sun3 target=../../usr/bin/i286
1569 hardlink path=usr/bin/sun3x target=../../usr/bin/i286
1570 hardlink path=usr/bin/sun4 target=../../usr/bin/i286
1571 hardlink path=usr/bin/sun4c target=../../usr/bin/i286
1572 hardlink path=usr/bin/sun4d target=../../usr/bin/i286
1573 hardlink path=usr/bin/sun4e target=../../usr/bin/i286
1574 hardlink path=usr/bin/sun4m target=../../usr/bin/i286
1575 hardlink path=usr/bin/tee target=../../usr/bin/alias
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1576 hardlink path=usr/bin/test target=../../usr/bin/alias
1577 hardlink path=usr/bin/touch target=../../usr/bin/settime
1578 hardlink path=usr/bin/type target=../../usr/bin/alias
1579 hardlink path=usr/bin/u370 target=../../usr/bin/i286
1580 hardlink path=usr/bin/u3b target=../../usr/bin/i286
1581 hardlink path=usr/bin/u3b15 target=../../usr/bin/i286
1582 hardlink path=usr/bin/u3b2 target=../../usr/bin/i286
1583 hardlink path=usr/bin/u3b5 target=../../usr/bin/i286
1584 hardlink path=usr/bin/ulimit target=../../usr/bin/alias
1585 hardlink path=usr/bin/umask target=../../usr/bin/alias
1586 hardlink path=usr/bin/unalias target=../../usr/bin/alias
1587 hardlink path=usr/bin/uniq target=../../usr/bin/alias
1588 hardlink path=usr/bin/uptime target=../../usr/lib/isaexec
1589 hardlink path=usr/bin/vax target=../../usr/bin/i286
1590 hardlink path=usr/bin/vedit target=../has/bin/edit
1591 hardlink path=usr/bin/w target=../../usr/lib/isaexec
1592 hardlink path=usr/bin/wait target=../../usr/bin/alias
1593 hardlink path=usr/bin/wc target=../../usr/bin/alias
1594 hardlink path=usr/has/bin/ex target=edit
1595 hardlink path=usr/has/bin/pfsh target=../../bin/pfexec
1596 hardlink path=usr/has/bin/vedit target=edit
1597 hardlink path=usr/has/bin/vi target=edit
1598 hardlink path=usr/has/bin/view target=edit
1599 hardlink path=usr/lib/fs/hsfs/fstyp target=../../../sbin/fstyp
1600 hardlink path=usr/lib/fs/ufs/dcopy target=../../../../usr/lib/fs/ufs/clri
1601 hardlink path=usr/lib/fs/ufs/fstyp target=../../../sbin/fstyp
1602 hardlink path=usr/lib/fs/ufs/quotaon \
1603     target=../../../../usr/lib/fs/ufs/quotaoff
1604 hardlink path=usr/lib/inet/in.iked target=../../../usr/lib/isaexec
1605 hardlink path=usr/sadm/bin/dispgid target=../../../usr/bin/ckgid
1606 hardlink path=usr/sadm/bin/dispuid target=../../../usr/bin/ckuid
1607 hardlink path=usr/sadm/bin/errange target=../../../usr/bin/ckrange
1608 hardlink path=usr/sadm/bin/errdate target=../../../usr/bin/ckdate
1609 hardlink path=usr/sadm/bin/errgid target=../../../usr/bin/ckgid
1610 hardlink path=usr/sadm/bin/errint target=../../../usr/bin/ckint
1611 hardlink path=usr/sadm/bin/erritem target=../../../usr/bin/ckitem
1612 hardlink path=usr/sadm/bin/errpath target=../../../usr/bin/ckpath
1613 hardlink path=usr/sadm/bin/errstr target=../../../usr/bin/ckstr
1614 hardlink path=usr/sadm/bin/errtime target=../../../usr/bin/cktime
1615 hardlink path=usr/sadm/bin/erruid target=../../../usr/bin/ckuid
1616 hardlink path=usr/sadm/bin/erryorn target=../../../usr/bin/ckyorn
1617 hardlink path=usr/sadm/bin/helpdate target=../../../usr/bin/ckdate
1618 hardlink path=usr/sadm/bin/helpgid target=../../../usr/bin/ckgid
1619 hardlink path=usr/sadm/bin/helpint target=../../../usr/bin/ckint
1620 hardlink path=usr/sadm/bin/helpitem target=../../../usr/bin/ckitem
1621 hardlink path=usr/sadm/bin/helppath target=../../../usr/bin/ckpath
1622 hardlink path=usr/sadm/bin/helprange target=../../../usr/bin/ckrange
1623 hardlink path=usr/sadm/bin/helpstr target=../../../usr/bin/ckstr
1624 hardlink path=usr/sadm/bin/helptime target=../../../usr/bin/cktime
1625 hardlink path=usr/sadm/bin/helpuid target=../../../usr/bin/ckuid
1626 hardlink path=usr/sadm/bin/helpyorn target=../../../usr/bin/ckyorn
1627 hardlink path=usr/sadm/bin/valdate target=../../../usr/bin/ckdate
1628 hardlink path=usr/sadm/bin/valgid target=../../../usr/bin/ckgid
1629 hardlink path=usr/sadm/bin/valint target=../../../usr/bin/ckint
1630 hardlink path=usr/sadm/bin/valpath target=../../../usr/bin/ckpath
1631 hardlink path=usr/sadm/bin/valrange target=../../../usr/bin/ckrange
1632 hardlink path=usr/sadm/bin/valstr target=../../../usr/bin/ckstr
1633 hardlink path=usr/sadm/bin/valtime target=../../../usr/bin/cktime
1634 hardlink path=usr/sadm/bin/valuid target=../../../usr/bin/ckuid
1635 hardlink path=usr/sadm/bin/valyorn target=../../../usr/bin/ckyorn
1636 hardlink path=usr/sbin/add_drv target=../../usr/lib/isaexec
1637 hardlink path=usr/sbin/audlinks target=./devfsadm
1638 hardlink path=usr/sbin/consadmd target=../../usr/sbin/consadm
1639 hardlink path=usr/sbin/deallocate target=../../usr/sbin/allocate
1640 hardlink path=usr/sbin/devlinks target=./devfsadm
1641 hardlink path=usr/sbin/dfshares target=../../usr/sbin/dfmounts
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1642 hardlink path=usr/sbin/disks target=./devfsadm
1643 hardlink path=usr/sbin/drvconfig target=./devfsadm
1644 hardlink path=usr/sbin/list_devices target=../../usr/sbin/allocate
1645 hardlink path=usr/sbin/mkdevmaps target=../../usr/sbin/mkdevalloc
1646 hardlink path=usr/sbin/modinfo target=../../usr/lib/isaexec
1647 hardlink path=usr/sbin/modload target=../../usr/lib/isaexec
1648 hardlink path=usr/sbin/modunload target=../../usr/lib/isaexec
1649 hardlink path=usr/sbin/pbind target=../../usr/lib/isaexec
1650 hardlink path=usr/sbin/ports target=./devfsadm
1651 hardlink path=usr/sbin/poweroff target=./halt
1652 hardlink path=usr/sbin/prtconf target=../../usr/lib/isaexec
1653 $(sparc_ONLY)hardlink path=usr/sbin/prtdiag target=../../usr/lib/platexec
1654 hardlink path=usr/sbin/psrset target=../../usr/lib/isaexec
1655 hardlink path=usr/sbin/reboot target=./halt
1656 hardlink path=usr/sbin/rem_drv target=../../usr/lib/isaexec
1657 hardlink path=usr/sbin/roleadd target=../../usr/sbin/useradd
1658 hardlink path=usr/sbin/roledel target=../../usr/sbin/userdel
1659 hardlink path=usr/sbin/rolemod target=../../usr/sbin/usermod
1660 hardlink path=usr/sbin/share target=../../usr/sbin/sharemgr
1661 hardlink path=usr/sbin/swap target=../../usr/lib/isaexec
1662 hardlink path=usr/sbin/sysdef target=../../usr/lib/isaexec
1663 hardlink path=usr/sbin/tapes target=./devfsadm
1664 hardlink path=usr/sbin/unshare target=../../usr/sbin/sharemgr
1665 hardlink path=usr/sbin/update_drv target=../../usr/lib/isaexec
1666 hardlink path=usr/sbin/whodo target=../../usr/lib/isaexec
1667 legacy pkg=SUNWcsr \
1668     desc="core software for a specific instruction-set architecture" \
1669     name="Core Solaris, (Root)"
1670 legacy pkg=SUNWcsu \
1671     desc="core software for a specific instruction-set architecture" \
1672     name="Core Solaris, (Usr)"
1673 legacy pkg=SUNWftpr desc="FTP Server Configuration Files" \
1674     name="FTP Server, (Root)"
1675 license cr_Sun license=cr_Sun
1676 license lic_CDDL license=lic_CDDL
1677 license usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE \
1678     license=usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE
1679 license usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE \
1680     license=usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE
1681 license usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.arp \
1682     license=usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.arp \
1683 license usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.route \
1684     license=usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.route
1685 license usr/src/cmd/cmd-inet/usr.sbin/ifconfig/THIRDPARTYLICENSE \
1686     license=usr/src/cmd/cmd-inet/usr.sbin/ifconfig/THIRDPARTYLICENSE
1687 license usr/src/cmd/cmd-inet/usr.sbin/in.ftpd/LICENSE \
1688     license=usr/src/cmd/cmd-inet/usr.sbin/in.ftpd/LICENSE
1689 license usr/src/cmd/cmd-inet/usr.sbin/traceroute/THIRDPARTYLICENSE \
1690     license=usr/src/cmd/cmd-inet/usr.sbin/traceroute/THIRDPARTYLICENSE
1691 license usr/src/cmd/cron/THIRDPARTYLICENSE \
1692     license=usr/src/cmd/cron/THIRDPARTYLICENSE
1693 license usr/src/cmd/csh/THIRDPARTYLICENSE \
1694     license=usr/src/cmd/csh/THIRDPARTYLICENSE
1695 license usr/src/cmd/eeprom/THIRDPARTYLICENSE \
1696     license=usr/src/cmd/eeprom/THIRDPARTYLICENSE
1697 license usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE \
1698     license=usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE
1699 license usr/src/cmd/mt/THIRDPARTYLICENSE \
1700     license=usr/src/cmd/mt/THIRDPARTYLICENSE
1701 license usr/src/cmd/script/THIRDPARTYLICENSE \
1702     license=usr/src/cmd/script/THIRDPARTYLICENSE
1703 license usr/src/cmd/sed/THIRDPARTYLICENSE \
1704     license=usr/src/cmd/sed/THIRDPARTYLICENSE
1705 license usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE \
1706     license=usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE
1707 license usr/src/cmd/tail/THIRDPARTYLICENSE \
```

```
1708      license=usr/src/cmd/tail/THIRDPARTYLICENSE
1709 license usr/src/cmd/tip/THIRDPARTYLICENSE \
1710      license=usr/src/cmd/tip/THIRDPARTYLICENSE
1711 license usr/src/cmd/tr/THIRDPARTYLICENSE \
1712      license=usr/src/cmd/tr/THIRDPARTYLICENSE
1713 license usr/src/cmd/vi/THIRDPARTYLICENSE \
1714      license=usr/src/cmd/vi/THIRDPARTYLICENSE
1715 license usr/src/cmd/which/THIRDPARTYLICENSE \
1716      license=usr/src/cmd/which/THIRDPARTYLICENSE
1717 license usr/src/cmd/xstr/THIRDPARTYLICENSE \
1718      license=usr/src/cmd/xstr/THIRDPARTYLICENSE
1719 license usr/src/common/bzip2/LICENSE license=usr/src/common/bzip2/LICENSE
1720 link path=bin target=./usr/bin
1721 link path=etc/TIMEZONE target=./default/init
1722 link path=etc/autopush target=../sbin/autopush
1723 link path=etc/cfgadm target=../usr/sbin/cfgadm
1724 link path=etc/clri target=../usr/sbin/clri
1725 link path=etc/cron target=../usr/sbin/cron
1726 link path=etc/dcopy target=../usr/sbin/dcopy
1727 link path=etc/ff target=../usr/sbin/ff
1728 link path=etc/fmthard target=../usr/sbin/fmthard
1729 link path=etc/format target=../usr/sbin/format
1730 link path=etc/fsck target=../usr/sbin/fsck
1731 link path=etc/fsdb target=../usr/sbin/fsdb
1732 link path=etc/fstyp target=../usr/sbin/fstyp
1733 link path=etc/getty target=../usr/lib/saf/ttymon
1734 link path=etc/grpck target=../usr/sbin/grpck
1735 link path=etc/halt target=../usr/sbin/halt
1736 link path=etc/hosts target=./inet/hosts
1737 link path=etc/inet/ipnodes target=./hosts
1738 link path=etc/inetd.conf target=./inet/inetd.conf
1739 link path=etc/init target=../sbin/init
1740 link path=etc/install target=../usr/sbin/install
1741 link path=etc/killall target=../usr/sbin/killall
1742 link path=etc/labelit target=../usr/sbin/labelit
1743 link path=etc/lib/ld.so.1 target=../../lib/ld.so.1
1744 link path=etc/lib/libdl.so.1 target=../../lib/libdl.so.1
1745 link path=etc/lib/nss_files.so.1 target=../../lib/nss_files.so.1
1746 link path=etc/log target=../var/adm/log
1747 link path=etc/mkfs target=../usr/sbin/mkfs
1748 link path=etc/mknod target=../usr/sbin/mknod
1749 link path=etc/mount target=../sbin/mount
1750 link path=etc/mountall target=../sbin/mountall
1751 link path=etc/ncheck target=../usr/sbin/ncheck
1752 link path=etc/netmasks target=./inet/netmasks
1753 link path=etc/networks target=./inet/networks
1754 link path=etc/protocols target=./inet/protocols
1755 link path=etc/prtconf target=../usr/sbin/prtconf
1756 link path=etc/prtvtoc target=../usr/sbin/prtvtoc
1757 link path=etc/rc0 target=../sbin/rc0
1758 link path=etc/rc1 target=../sbin/rc1
1759 link path=etc/rc2 target=../sbin/rc2
1760 link path=etc/rc3 target=../sbin/rc3
1761 link path=etc/rc5 target=../sbin/rc5
1762 link path=etc/rc6 target=../sbin/rc6
1763 link path=etc/rcS target=../sbin/rcS
1764 link path=etc/reboot target=../usr/sbin/halt
1765 link path=etc/security/audit/localhost/files target=../../../../var/audit
1766 link path=etc/services target=./inet/services
1767 link path=etc/setmnt target=../usr/sbin/setmnt
1768 link path=etc/shutdown target=../usr/sbin/shutdown
1769 link path=etc/sulogin target=../sbin/sulogin
1770 link path=etc/swap target=../usr/sbin/swap
1771 link path=etc/swapadd target=../sbin/swapadd
1772 link path=etc/sysdef target=../usr/sbin/sysdef
1773 link path=etc/tar target=../usr/sbin/tar
```

```
1774 link path=etc/telinit target=../sbin/init
1775 link path=etc/uadmin target=../sbin/uadmin
1776 link path=etc/umount target=../sbin/umount
1777 link path=etc/umountall target=../sbin/umountall
1778 link path=etc/utmpx target=../var/adm/utmpx
1779 link path=etc/volcopy target=../usr/sbin/volcopy
1780 link path=etc/wall target=../usr/sbin/wall
1781 link path=etc/whodo target=../usr/sbin/whodo
1782 link path=etc/wtmpx target=../var/adm/wtmpx
1783 link path=sbin/in.mpathd target=../lib/inet/in.mpathd
1784 link path=sbin/jsh target=../usr/bin/ksh93
1785 link path=sbin/pfsh target=../usr/bin/pfexec
1786 link path=sbin/sh target=../usr/bin/$(ARCH32)/ksh93
1787 link path=sbin/su target=../usr/bin/su
1788 link path=usr/adm target=../var/adm
1789 link path=usr/bin/cachefspack target=../lib/fs/cachefs/cachefspack
1790 link path=usr/bin/cachefsstat target=../lib/fs/cachefs/cachefsstat
1791 link path=usr/bin/df target=../sbin/df
1792 link path=usr/bin/jsh target=ksh93
1793 link path=usr/bin/pwconv target=../sbin/pwconv
1794 link path=usr/bin/rmail target=./mail
1795 link path=usr/bin/sh target=$(ARCH32)/ksh93
1796 link path=usr/bin/strclean target=../sbin/strclean
1797 link path=usr/bin/strerr target=../sbin/strerr
1798 link path=usr/bin/sync target=../../sbin/sync
1799 link path=usr/bin/tar target=../sbin/tar
1800 link path=usr/bin/uname target=../../sbin/uname
1801 link path=usr/ccs/bin/m4 target=../../bin/m4
1802 link path=usr/has/bin/jsh target=sh
1803 link path=usr/has/lib/rsh target=../bin/sh
1804 link path=usr/lib/$(ARCH64)/ld.so.1 target=../../../lib/$(ARCH64)/ld.so.1
1805 link path=usr/lib/cron target=../../etc/cron.d
1806 link path=usr/lib/devfsadm/devfsadmd target=../../sbin/devfsadm
1807 link path=usr/lib/embedded_su target=../bin/su
1808 link path=usr/lib/fs/dev/mount target=../../../../etc/fs/dev/mount
1809 link path=usr/lib/fs/hsfs/mount target=../../../../etc/fs/hsfs/mount
1810 link path=usr/lib/fs/ufs/mount target=../../../../etc/fs/ufs/mount
1811 link path=usr/lib/inet/in.mpathd target=../../../lib/inet/in.mpathd
1812 link path=usr/lib/ld.so.1 target=../../lib/ld.so.1
1813 link path=usr/lib/locale/POSIX target=./C
1814 link path=usr/lib/rsh target=../bin/ksh93
1815 link path=usr/lib/secure/32 target=.
1816 link path=usr/lib/secure/64 target=$(ARCH64)
1817 link path=usr/lib/wusbd target=../../sbin/wusbadm
1818 link path=usr/mail target=../var/mail
1819 link path=usr/net/nls/listen target=../../lib/saf/listen
1820 link path=usr/net/nls/nlps_server target=../../lib/saf/nlps_server
1821 link path=usr/news target=../var/news
1822 link path=usr/preserve target=../var/preserve
1823 link path=usr/pub target=./share/lib/pub
1824 link path=usr/sbin/autopush target=../../sbin/autopush
1825 link path=usr/sbin/bootadm target=../../sbin/bootadm
1826 link path=usr/sbin/cachefslog target=../lib/fs/cachefs/cachefslog
1827 link path=usr/sbin/cachefswssize target=../lib/fs/cachefs/cachefswssize
1828 link path=usr/sbin/cfsadmin target=../lib/fs/cachefs/cfsadmin
1829 link path=usr/sbin/cryptoadm target=../../sbin/cryptoadm
1830 link path=usr/sbin/dcopy target=./clri
1831 link path=usr/sbin/devnm target=./df
1832 link path=usr/sbin/dladm target=../../sbin/dladm
1833 link path=usr/sbin/dlstat target=../../sbin/dlstat
1834 link path=usr/sbin/edquota target=../lib/fs/ufs/edquota
1835 link path=usr/sbin/fdisk target=../../sbin/fdisk
1836 link path=usr/sbin/fiocompress target=../../sbin/fiocompress
1837 link path=usr/sbin/flowadm target=../../sbin/flowadm
1838 link path=usr/sbin/flowstat target=../../sbin/flowstat
1839 link path=usr/sbin/fsdb target=./clri
```

```
1840 link path=usr/sbin/fsirand target=../lib/fs/ufs/fsirand
1841 link path=usr/sbin/fssnap target=./clri
1842 link path=usr/sbin/hostconfig target=../../sbin/hostconfig
1843 link path=usr/sbin/ifconfig target=../../sbin/ifconfig
1844 link path=usr/sbin/inetd target=../lib/inet/inetd
1845 link path=usr/sbin/init target=../../sbin/init
1846 $(i386_ONLY)link path=usr/sbin/installgrub target=../../sbin/installgrub
1847 link path=usr/sbin/ipadm target=../../sbin/ipadm
1848 link path=usr/sbin/ipmpstat target=../../sbin/ipmpstat
1849 link path=usr/sbin/labelit target=./clri
1850 link path=usr/sbin/lockfs target=../lib/fs/ufs/lockfs
1851 link path=usr/sbin/mkfs target=./clri
1852 link path=usr/sbin/mount target=../../sbin/mount
1853 link path=usr/sbin/ncheck target=./ff
1854 link path=usr/sbin/newfs target=../lib/fs/ufs/newfs
1855 link path=usr/sbin/quot target=../lib/fs/ufs/quot
1856 link path=usr/sbin/quota target=../lib/fs/ufs/quota
1857 link path=usr/sbin/quotacheck target=../lib/fs/ufs/quotacheck
1858 link path=usr/sbin/quotaoff target=../lib/fs/ufs/quotaoff
1859 link path=usr/sbin/quotaon target=../lib/fs/ufs/quotaon
1860 link path=usr/sbin/repquota target=../lib/fs/ufs/repquota
1861 link path=usr/sbin/route target=../../sbin/route
1862 link path=usr/sbin/routeadm target=../../sbin/routeadm
1863 link path=usr/sbin/sync target=../../sbin/sync
1864 link path=usr/sbin/tunefs target=../lib/fs/ufs/tunefs
1865 link path=usr/sbin/tzreload target=../../sbin/tzreload
1866 link path=usr/sbin/uadmin target=../../sbin/uadmin
1867 link path=usr/sbin/ufsdump target=../lib/fs/ufs/ufsdump
1868 link path=usr/sbin/ufsrestore target=../lib/fs/ufs/ufsrestore
1869 link path=usr/sbin/umount target=../../sbin/umount
1870 link path=usr/sbin/wusbadm target=../../sbin/wusbadm
1871 link path=usr/spool target=../var/spool
1872 link path=usr/src target=./share/src
1873 link path=usr/tmp target=../var/tmp
1874 link path=var/ld/32 target=.
1875 link path=var/ld/64 target=$(ARCH64)
1876 #
1877 # The bootadm binary needs the etc/release file.
1878 #
1879 depend fmri=release/name type=require
1880 #
1881 # intrd and others use the illumos-defaulted perl interpreter
1882 #
1883 depend fmri=runtime/perl-510 type=require
1884 #
1885 # The loadkeys binary needs the keytables.
1886 #
1887 depend fmri=system/data/keyboard/keytables type=require
1888 #
1889 # Depend on terminfo data.
1890 #
1891 depend fmri=system/data/terminfo type=require
1892 #
1893 # Depend on zoneinfo data.
1894 #
1895 depend fmri=system/data/zoneinfo type=require
```

```
**********************************************************
    27298 Sun May  4 07:12:53 2014
new/usr/src/pkg/manifests/developer-dtrace.mf
4742 Update manifests for javadoc7
**********************************************************
    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 #
   27 # Copyright (c) 2012 by Delphix. All rights reserved.
   28 #

   30 set name=pkg.fmri value=pkg:/developer/dtrace@$(PKGVERS)
   31 set name=pkg.description value="Dynamic Tracing (DTrace) Clients"
   32 set name=pkg.summary value="DTrace Clients"
   33 set name=info.classification \
   34     value=org.opensolaris.category.2008:Development/System
   35 set name=variant.arch value=$(ARCH)
   36 dir path=usr group=sys
   37 dir path=usr/demo
   38 dir path=usr/demo/dtrace
   39 dir path=usr/include
   40 dir path=usr/include/sys
   41 dir path=usr/lib
   42 dir path=usr/lib/$(ARCH64)
   43 dir path=usr/lib/devfsadm group=sys
   44 dir path=usr/lib/devfsadm/linkmod group=sys
   45 dir path=usr/lib/dtrace
   46 dir path=usr/lib/dtrace/64
   47 dir path=usr/lib/mdb group=sys
   48 dir path=usr/lib/mdb/kvm group=sys
   49 dir path=usr/lib/mdb/kvm/$(ARCH64) group=sys
   50 dir path=usr/lib/mdb/raw group=sys
   51 dir path=usr/lib/mdb/raw/$(ARCH64) group=sys
   52 dir path=usr/sbin
   53 dir path=usr/sbin/$(ARCH32)
   54 dir path=usr/sbin/$(ARCH64)
   55 dir path=usr/share
   56 dir path=usr/share/lib
   57 dir path=usr/share/lib/java group=sys
   58 dir path=usr/share/lib/java/javadoc group=other
   59 dir path=usr/share/lib/java/javadoc/dtrace group=other
   60 dir path=usr/share/lib/java/javadoc/dtrace/api group=other
   61 dir path=usr/share/lib/java/javadoc/dtrace/api/org group=other
```

```
   62 dir path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris group=other
   63 dir path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os group=other
   64 dir path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace \
   65     group=other
   66 dir \
   67     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
   68     group=other
   69 dir path=usr/share/lib/java/javadoc/dtrace/api/resources group=other
   70 dir path=usr/share/lib/java/javadoc/dtrace/examples group=other
   71 dir path=usr/share/lib/java/javadoc/dtrace/html group=other
   72 dir path=usr/share/lib/java/javadoc/dtrace/images group=other
   73 dir path=usr/share/man/man1m
   74 dir path=usr/share/man/man3lib
   75 file path=usr/demo/dtrace/applicat.d
   76 file path=usr/demo/dtrace/badopen.d
   77 file path=usr/demo/dtrace/begin.d
   78 file path=usr/demo/dtrace/callout.d
   79 file path=usr/demo/dtrace/clause.d
   80 file path=usr/demo/dtrace/clear.d
   81 file path=usr/demo/dtrace/countdown.d
   82 file path=usr/demo/dtrace/counter.d
   83 file path=usr/demo/dtrace/dateprof.d
   84 file path=usr/demo/dtrace/delay.d
   85 file path=usr/demo/dtrace/denorm.d
   86 file path=usr/demo/dtrace/end.d
   87 file path=usr/demo/dtrace/error.d
   88 file path=usr/demo/dtrace/errorpath.d
   89 file path=usr/demo/dtrace/find.d
   90 file path=usr/demo/dtrace/firebird.d
   91 file path=usr/demo/dtrace/hello.d
   92 file path=usr/demo/dtrace/howlong.d
   93 file path=usr/demo/dtrace/index.html
   94 file path=usr/demo/dtrace/interp.d
   95 file path=usr/demo/dtrace/interval.d
   96 file path=usr/demo/dtrace/intr.d
   97 file path=usr/demo/dtrace/iocpu.d
   98 file path=usr/demo/dtrace/iosnoop.d
   99 file path=usr/demo/dtrace/iothrough.d
  100 file path=usr/demo/dtrace/iotime.d
  101 file path=usr/demo/dtrace/ipio.d
  102 file path=usr/demo/dtrace/ipproto.d
  103 $(i386_ONLY)file path=usr/demo/dtrace/iprb.d
  104 file path=usr/demo/dtrace/kstat.d
  105 file path=usr/demo/dtrace/ksyms.d
  106 file path=usr/demo/dtrace/libc.d
  107 file path=usr/demo/dtrace/lquantize.d
  108 file path=usr/demo/dtrace/lwptime.d
  109 file path=usr/demo/dtrace/normalize.d
  110 file path=usr/demo/dtrace/nscd.d
  111 file path=usr/demo/dtrace/pri.d
  112 file path=usr/demo/dtrace/printa.d
  113 file path=usr/demo/dtrace/pritime.d
  114 file path=usr/demo/dtrace/prof.d
  115 file path=usr/demo/dtrace/profpri.d
  116 file path=usr/demo/dtrace/progtime.d
  117 file path=usr/demo/dtrace/putnext.d
  118 file path=usr/demo/dtrace/qlen.d
  119 file path=usr/demo/dtrace/qtime.d
  120 file path=usr/demo/dtrace/renormalize.d
  121 file path=usr/demo/dtrace/restest.d
  122 file path=usr/demo/dtrace/ring.d
  123 file path=usr/demo/dtrace/rtime.d
  124 file path=usr/demo/dtrace/rwinfo.d
  125 file path=usr/demo/dtrace/rwtime.d
  126 file path=usr/demo/dtrace/sig.d
  127 file path=usr/demo/dtrace/soffice.d
```

```
128 file path=usr/demo/dtrace/spec.d
129 file path=usr/demo/dtrace/specopen.d
130 file path=usr/demo/dtrace/ssd.d
131 file path=usr/demo/dtrace/syscall.d
132 file path=usr/demo/dtrace/tcp1stbyte.d
133 file path=usr/demo/dtrace/tcpbytes.d
134 file path=usr/demo/dtrace/tcpbytesstat.d
135 file path=usr/demo/dtrace/tcpconnlat.d
136 file path=usr/demo/dtrace/tcpio.d
137 file path=usr/demo/dtrace/tcpioflags.d
138 file path=usr/demo/dtrace/tcprst.d
139 file path=usr/demo/dtrace/tcpsnoop.d
140 file path=usr/demo/dtrace/tcpstate.d
141 file path=usr/demo/dtrace/tcptop.d
142 file path=usr/demo/dtrace/tick.d
143 file path=usr/demo/dtrace/ticktime.d
144 file path=usr/demo/dtrace/time.d
145 file path=usr/demo/dtrace/tracewrite.d
146 file path=usr/demo/dtrace/trunc.d
147 file path=usr/demo/dtrace/trussrw.d
148 file path=usr/demo/dtrace/udpbytes.d
149 file path=usr/demo/dtrace/udpbytesstat.d
150 file path=usr/demo/dtrace/udpio.d
151 file path=usr/demo/dtrace/udpsnoop.d
152 file path=usr/demo/dtrace/udptop.d
153 file path=usr/demo/dtrace/userfunc.d
154 file path=usr/demo/dtrace/whatfor.d
155 file path=usr/demo/dtrace/whatlock.d
156 file path=usr/demo/dtrace/where.d
157 file path=usr/demo/dtrace/whererun.d
158 file path=usr/demo/dtrace/whoexec.d
159 file path=usr/demo/dtrace/whofor.d
160 file path=usr/demo/dtrace/whoio.d
161 file path=usr/demo/dtrace/whopreempt.d
162 file path=usr/demo/dtrace/whoqueue.d
163 file path=usr/demo/dtrace/whosteal.d
164 file path=usr/demo/dtrace/whowrite.d
165 file path=usr/demo/dtrace/writes.d
166 file path=usr/demo/dtrace/writesbycmd.d
167 file path=usr/demo/dtrace/writesbycmdfd.d
168 file path=usr/demo/dtrace/writetime.d
169 file path=usr/demo/dtrace/writetimeq.d
170 file path=usr/demo/dtrace/xioctl.d
171 file path=usr/demo/dtrace/xterm.d
172 file path=usr/demo/dtrace/xwork.d
173 file path=usr/include/dtrace.h
174 file path=usr/include/sys/dtrace.h
175 file path=usr/include/sys/dtrace_impl.h
176 file path=usr/include/sys/fasttrap.h
177 file path=usr/include/sys/fasttrap_impl.h
178 file path=usr/include/sys/fasttrap_isa.h
179 file path=usr/include/sys/lockstat.h
180 file path=usr/include/sys/sdt.h
181 file path=usr/lib/$(ARCH64)/libdtrace.so.1
182 file path=usr/lib/$(ARCH64)/libdtrace_jni.so.1
183 file path=usr/lib/$(ARCH64)/llib-ldtrace.ln
184 file path=usr/lib/devfsadm/linkmod/SUNW_dtrace_link.so group=sys
185 file path=usr/lib/dtrace/64/drti.o mode=0444
186 file path=usr/lib/dtrace/64/libdtrace_forceload.so mode=0555
187 file path=usr/lib/dtrace/drti.o mode=0444
188 file path=usr/lib/dtrace/errno.d mode=0444
189 file path=usr/lib/dtrace/fc.d mode=0444
190 file path=usr/lib/dtrace/io.d mode=0444
191 file path=usr/lib/dtrace/ip.d mode=0444
192 file path=usr/lib/dtrace/iscsit.d mode=0444
193 file path=usr/lib/dtrace/libdtrace_forceload.so mode=0555
```

```
194 file path=usr/lib/dtrace/net.d mode=0444
195 file path=usr/lib/dtrace/nfs.d mode=0444
196 file path=usr/lib/dtrace/nfssrv.d mode=0444
197 file path=usr/lib/dtrace/procfs.d mode=0444
198 file path=usr/lib/dtrace/regs.d mode=0444
199 file path=usr/lib/dtrace/sched.d mode=0444
200 file path=usr/lib/dtrace/scsi.d mode=0444
201 file path=usr/lib/dtrace/signal.d mode=0444
202 file path=usr/lib/dtrace/srp.d mode=0444
203 file path=usr/lib/dtrace/sysevent.d mode=0444
204 file path=usr/lib/dtrace/tcp.d mode=0444
205 file path=usr/lib/dtrace/udp.d mode=0444
206 file path=usr/lib/dtrace/unistd.d mode=0444
207 file path=usr/lib/libdtrace.so.1
208 file path=usr/lib/libdtrace_jni.so.1
209 file path=usr/lib/llib-ldtrace
210 file path=usr/lib/llib-ldtrace.ln
211 file path=usr/lib/mdb/kvm/$(ARCH64)/dtrace.so group=sys mode=0555
212 $(i386_ONLY)file path=usr/lib/mdb/kvm/dtrace.so group=sys mode=0555
213 file path=usr/lib/mdb/raw/$(ARCH64)/dof.so group=sys mode=0555
214 file path=usr/lib/mdb/raw/dof.so group=sys mode=0555
215 file path=usr/sbin/$(ARCH32)/dtrace mode=0555
216 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/intrstat mode=0555
217 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/lockstat mode=0555
218 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/plockstat mode=0555
219 file path=usr/sbin/$(ARCH64)/dtrace mode=0555
220 file path=usr/sbin/$(ARCH64)/intrstat mode=0555
221 file path=usr/sbin/$(ARCH64)/lockstat mode=0555
222 file path=usr/sbin/$(ARCH64)/plockstat mode=0555
223 file path=usr/share/lib/java/dtrace.jar group=sys
224 file path=usr/share/lib/java/javadoc/dtrace/api/allclasses-frame.html \
225     group=other
226 file path=usr/share/lib/java/javadoc/dtrace/api/allclasses-noframe.html \
227     group=other
228 file path=usr/share/lib/java/javadoc/dtrace/api/constant-values.html \
229     group=other
230 file path=usr/share/lib/java/javadoc/dtrace/api/deprecated-list.html \
231     group=other
232 file path=usr/share/lib/java/javadoc/dtrace/api/help-doc.html group=other
233 file path=usr/share/lib/java/javadoc/dtrace/api/index-all.html group=other
234 file path=usr/share/lib/java/javadoc/dtrace/api/index.html group=other
235 file \
236     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
237     group=other
238 file \
239     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
240     group=other
241 file \
242     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
243     group=other
244 file \
245     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
246     group=other
247 file \
248     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/AvgValu
249     group=other
250 file \
251     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
252     group=other
253 file \
254     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
255     group=other
256 file \
257     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
258     group=other
259 file \
```

```
260      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
261      group=other
262 file \
263      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
264      group=other
265 file \
266      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
267      group=other
268 file \
269      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/CountVa
270      group=other
271 file \
272      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/DTraceE
273      group=other
274 file \
275      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/DataEve
276      group=other
277 file \
278      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Distrib
279      group=other
280 file \
281      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Distrib
282      group=other
283 file \
284      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Drop.Ki
285      group=other
286 file \
287      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Drop.ht
288      group=other
289 file \
290      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/DropEve
291      group=other
292 file \
293      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Error.h
294      group=other
295 file \
296      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ErrorEv
297      group=other
298 file \
299      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Excepti
300      group=other
301 file \
302      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ExitRec
303      group=other
304 file \
305      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Flow.Ki
306      group=other
307 file \
308      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Flow.ht
309      group=other
310 file \
311      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
312      group=other
313 file \
314      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
315      group=other
316 file \
317      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
318      group=other
319 file \
320      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/KernelS
321      group=other
322 file \
323      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/KernelS
324      group=other
325 file \
```

```
326      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LinearD
327      group=other
328 file \
329      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LocalCo
330      group=other
331 file \
332      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LogDist
333      group=other
334 file \
335      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LogLine
336      group=other
337 file \
338      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/MaxValu
339      group=other
340 file \
341      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/MinValu
342      group=other
343 file \
344      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Option.
345      group=other
346 file \
347      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/PrintaR
348      group=other
349 file \
350      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/PrintfR
351      group=other
352 file \
353      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Probe.h
354      group=other
355 file \
356      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDa
357      group=other
358 file \
359      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDa
360      group=other
361 file \
362      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDe
363      group=other
364 file \
365      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDe
366      group=other
367 file \
368      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeIn
369      group=other
370 file \
371      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Process
372      group=other
373 file \
374      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Process
375      group=other
376 file \
377      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Process
378      group=other
379 file \
380      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
381      group=other
382 file \
383      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
384      group=other
385 file \
386      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
387      group=other
388 file \
389      path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Record.
390      group=other
391 file \
```

```
 392     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ScalarR
 393     group=other
 394 file \
 395     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StackFr
 396     group=other
 397 file \
 398     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StackVa
 399     group=other
 400 file \
 401     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StddevV
 402     group=other
 403 file \
 404     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/SumValu
 405     group=other
 406 file \
 407     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/SymbolV
 408     group=other
 409 file \
 410     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Tuple.h
 411     group=other
 412 file \
 413     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/UserSta
 414     group=other
 415 file \
 416     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/UserSym
 417     group=other
 418 file \
 419     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/UserSym
 420     group=other
 421 file \
 422     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ValueRe
 423     group=other
 424 file \
 425     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 426     group=other
 427 file \
 428     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 429     group=other
 430 file \
 431     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 432     group=other
 433 file \
 434     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 435     group=other
 436 file \
 437     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 438     group=other
 439 file \
 440     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 441     group=other
 442 file \
 443     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 444     group=other
 445 file \
 446     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 447     group=other
 448 file \
 449     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 450     group=other
 451 file \
 452     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 453     group=other
 454 file \
 455     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 456     group=other
 457 file \
```

```
 458     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 459     group=other
 460 file \
 461     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 462     group=other
 463 file \
 464     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 465     group=other
 466 file \
 467     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 468     group=other
 469 file \
 470     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 471     group=other
 472 file \
 473     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 474     group=other
 475 file \
 476     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 477     group=other
 478 file \
 479     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 480     group=other
 481 file \
 482     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 483     group=other
 484 file \
 485     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 486     group=other
 487 file \
 488     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 489     group=other
 490 file \
 491     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 492     group=other
 493 file \
 494     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 495     group=other
 496 file \
 497     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 498     group=other
 499 file \
 500     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 501     group=other
 502 file \
 503     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 504     group=other
 505 file \
 506     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 507     group=other
 508 file \
 509     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 510     group=other
 511 file \
 512     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 513     group=other
 514 file \
 515     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 516     group=other
 517 file \
 518     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 519     group=other
 520 file \
 521     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 522     group=other
 523 file \
```

```
 524     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 525     group=other
 526 file \
 527     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 528     group=other
 529 file \
 530     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 531     group=other
 532 file \
 533     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 534     group=other
 535 file \
 536     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 537     group=other
 538 file \
 539     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 540     group=other
 541 file \
 542     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 543     group=other
 544 file \
 545     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 546     group=other
 547 file \
 548     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 549     group=other
 550 file \
 551     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 552     group=other
 553 file \
 554     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 555     group=other
 556 file \
 557     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 558     group=other
 559 file \
 560     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 561     group=other
 562 file \
 563     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 564     group=other
 565 file \
 566     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 567     group=other
 568 file \
 569     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 570     group=other
 571 file \
 572     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 573     group=other
 574 file \
 575     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 576     group=other
 577 file \
 578     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 579     group=other
 580 file \
 581     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 582     group=other
 583 file \
 584     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 585     group=other
 586 file \
 587     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 588     group=other
 589 file \
```

```
 590     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 591     group=other
 592 file \
 593     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 594     group=other
 595 file \
 596     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 597     group=other
 598 file \
 599     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 600     group=other
 601 file \
 602     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 603     group=other
 604 file \
 605     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 606     group=other
 607 file \
 608     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 609     group=other
 610 file \
 611     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
 612     group=other
 613 file \
 614     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
 615     group=other
 616 file \
 617     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
 618     group=other
 619 file \
 620     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
 621     group=other
 622 file \
 623     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
 624     group=other
 625 file path=usr/share/lib/java/javadoc/dtrace/api/overview-tree.html group=other
 626 file path=usr/share/lib/java/javadoc/dtrace/api/package-list group=other
 627 file path=usr/share/lib/java/javadoc/dtrace/api/resources/background.gif \
 627 file path=usr/share/lib/java/javadoc/dtrace/api/resources/inherit.gif \
 628     group=other
 629 file path=usr/share/lib/java/javadoc/dtrace/api/resources/tab.gif group=other
 630 file path=usr/share/lib/java/javadoc/dtrace/api/resources/titlebar.gif \
 631     group=other
 632 file path=usr/share/lib/java/javadoc/dtrace/api/resources/titlebar_end.gif \
 633     group=other
 634 file path=usr/share/lib/java/javadoc/dtrace/api/serialized-form.html \
 635     group=other
 636 file path=usr/share/lib/java/javadoc/dtrace/api/stylesheet.css group=other
 637 file path=usr/share/lib/java/javadoc/dtrace/examples/TestAPI.java group=other
 638 file path=usr/share/lib/java/javadoc/dtrace/examples/TestAPI2.java group=other
 639 file path=usr/share/lib/java/javadoc/dtrace/examples/TestTarget.java \
 640     group=other
 641 file path=usr/share/lib/java/javadoc/dtrace/examples/hello.d group=other
 642 file path=usr/share/lib/java/javadoc/dtrace/examples/intrstat.d group=other
 643 file path=usr/share/lib/java/javadoc/dtrace/examples/syscall.d group=other
 644 file path=usr/share/lib/java/javadoc/dtrace/examples/target.d group=other
 645 file path=usr/share/lib/java/javadoc/dtrace/html/JavaDTraceAPI.html \
 646     group=other
 647 file path=usr/share/lib/java/javadoc/dtrace/html/fast.html group=other
 648 file path=usr/share/lib/java/javadoc/dtrace/images/JavaDTraceAPI.gif \
 649     group=other
 650 file path=usr/share/man/man1m/dtrace.1m
 651 file path=usr/share/man/man1m/intrstat.1m
 652 file path=usr/share/man/man1m/lockstat.1m
 653 file path=usr/share/man/man1m/plockstat.1m
 654 file path=usr/share/man/man3lib/libdtrace.3lib
```

```
655 hardlink path=usr/sbin/dtrace target=../../usr/lib/isaexec
656 hardlink path=usr/sbin/intrstat target=../../usr/lib/isaexec
657 hardlink path=usr/sbin/lockstat target=../../usr/lib/isaexec
658 hardlink path=usr/sbin/plockstat target=../../usr/lib/isaexec
659 legacy pkg=SUNWdtrc desc="Dynamic Tracing (DTrace) Clients" \
660     name="DTrace Clients"
661 license cr_Sun license=cr_Sun
662 license lic_CDDL license=lic_CDDL
663 link path=usr/lib/$(ARCH64)/libdtrace.so target=libdtrace.so.1
664 link path=usr/lib/$(ARCH64)/libdtrace_jni.so target=libdtrace_jni.so.1
665 link path=usr/lib/libdtrace.so target=libdtrace.so.1
666 link path=usr/lib/libdtrace_jni.so target=libdtrace_jni.so.1
```

```
*********************************************************
    9065 Sun May  4 07:12:53 2014
new/usr/src/pkg/manifests/service-network-dns-mdns.mf
4742 Update manifests for javadoc7
*********************************************************
    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 #

   27 set name=pkg.fmri value=pkg:/service/network/dns/mdns@$(PKGVERS)
   28 set name=pkg.description \
   29     value="Root components for Multicast DNS daemon and service discovery suppor
   30 set name=pkg.summary value="Multicast DNS and Service Discovery"
   31 set name=info.classification \
   32     value=org.opensolaris.category.2008:System/Services
   33 set name=variant.arch value=$(ARCH)
   34 dir path=lib
   35 dir path=lib/svc
   36 dir path=lib/svc/manifest group=sys
   37 dir path=lib/svc/manifest/network group=sys
   38 dir path=lib/svc/manifest/network/dns group=sys
   39 dir path=usr group=sys
   40 dir path=usr/bin
   41 dir path=usr/include
   42 dir path=usr/lib
   43 dir path=usr/lib/$(ARCH64)
   44 dir path=usr/lib/inet
   45 dir path=usr/share
   46 dir path=usr/share/lib
   47 dir path=usr/share/lib/java group=sys
   48 dir path=usr/share/lib/java/javadoc group=other
   49 dir path=usr/share/lib/java/javadoc/dnssd group=other
   50 dir path=usr/share/lib/java/javadoc/dnssd/api group=other
   51 dir path=usr/share/lib/java/javadoc/dnssd/api/com group=other
   52 dir path=usr/share/lib/java/javadoc/dnssd/api/com/apple group=other
   53 dir path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd group=other
   54 dir path=usr/share/lib/java/javadoc/dnssd/api/resources group=other
   55 dir path=usr/share/lib/java/javadoc/dnssd/examples group=other
   56 dir path=usr/share/man
   57 dir path=usr/share/man/man1m
   58 dir path=usr/share/man/man3dns_sd
   59 dir path=usr/share/man/man3lib
   60 file path=lib/svc/manifest/network/dns/multicast.xml group=sys mode=0444
   61 file path=usr/bin/dns-sd mode=0555
```

```
   62 file path=usr/include/dns_sd.h
   63 file path=usr/lib/$(ARCH64)/libdns_sd.so.1
   64 file path=usr/lib/$(ARCH64)/libjdns_sd.so.1
   65 file path=usr/lib/$(ARCH64)/llib-ldns_sd.ln
   66 file path=usr/lib/$(ARCH64)/nss_mdns.so.1
   67 file path=usr/lib/inet/mdnsd mode=0555
   68 file path=usr/lib/libdns_sd.so.1
   69 file path=usr/lib/libjdns_sd.so.1
   70 file path=usr/lib/llib-ldns_sd
   71 file path=usr/lib/llib-ldns_sd.ln
   72 file path=usr/lib/nss_mdns.so.1
   73 file path=usr/share/lib/java/dnssd.jar group=sys
   74 file path=usr/share/lib/java/javadoc/dnssd/api/allclasses-frame.html \
   75     group=other
   76 file path=usr/share/lib/java/javadoc/dnssd/api/allclasses-noframe.html \
   77     group=other
   78 file \
   79     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/BaseListener.html
   80     group=other
   81 file \
   82     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/BrowseListener.htm
   83     group=other
   84 file path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSRecord.html \
   85     group=other
   86 file path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSD.html \
   87     group=other
   88 file \
   89     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDException.htm
   90     group=other
   91 file \
   92     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDRecordRegistr
   93     group=other
   94 file \
   95     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDRegistration.
   96     group=other
   97 file \
   98     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDService.html
   99     group=other
  100 file \
  101     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DomainListener.htm
  102     group=other
  103 file \
  104     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/QueryListener.html
  105     group=other
  106 file \
  107     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/RegisterListener.h
  108     group=other
  109 file \
  110     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/RegisterRecordList
  111     group=other
  112 file \
  113     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/ResolveListener.ht
  114     group=other
  115 file path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/TXTRecord.html \
  116     group=other
  117 file \
  118     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/package-frame.html
  119     group=other
  120 file \
  121     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/package-summary.ht
  122     group=other
  123 file \
  124     path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/package-tree.html
  125     group=other
  126 file path=usr/share/lib/java/javadoc/dnssd/api/constant-values.html \
  127     group=other
```

```
 128 file path=usr/share/lib/java/javadoc/dnssd/api/deprecated-list.html \
 129     group=other
 130 file path=usr/share/lib/java/javadoc/dnssd/api/help-doc.html group=other
 131 file path=usr/share/lib/java/javadoc/dnssd/api/index-all.html group=other
 132 file path=usr/share/lib/java/javadoc/dnssd/api/index.html group=other
 133 file path=usr/share/lib/java/javadoc/dnssd/api/overview-tree.html group=other
 134 file path=usr/share/lib/java/javadoc/dnssd/api/package-list group=other
 135 file path=usr/share/lib/java/javadoc/dnssd/api/resources/background.gif \
 135 file path=usr/share/lib/java/javadoc/dnssd/api/resources/inherit.gif \
 136     group=other
 137 file path=usr/share/lib/java/javadoc/dnssd/api/resources/tab.gif group=other
 138 file path=usr/share/lib/java/javadoc/dnssd/api/resources/titlebar.gif \
 139     group=other
 140 file path=usr/share/lib/java/javadoc/dnssd/api/resources/titlebar_end.gif \
 141     group=other
 142 file path=usr/share/lib/java/javadoc/dnssd/api/serialized-form.html \
 143     group=other
 144 file path=usr/share/lib/java/javadoc/dnssd/api/stylesheet.css group=other
 145 file path=usr/share/lib/java/javadoc/dnssd/examples/BrowserApp.jar group=sys
 146 file path=usr/share/lib/java/javadoc/dnssd/examples/SimpleChat.jar group=sys
 147 file path=usr/share/man/man1m/dns-sd.1m
 148 file path=usr/share/man/man3dns_sd/DNSServiceBrowse.3dns_sd
 149 file path=usr/share/man/man3dns_sd/DNSServiceConstructFullName.3dns_sd
 150 file path=usr/share/man/man3dns_sd/DNSServiceCreateConnection.3dns_sd
 151 file path=usr/share/man/man3dns_sd/DNSServiceEnumerateDomains.3dns_sd
 152 file path=usr/share/man/man3dns_sd/DNSServiceProcessResult.3dns_sd
 153 file path=usr/share/man/man3dns_sd/DNSServiceQueryRecord.3dns_sd
 154 file path=usr/share/man/man3dns_sd/DNSServiceReconfirmRecord.3dns_sd
 155 file path=usr/share/man/man3dns_sd/DNSServiceRefDeallocate.3dns_sd
 156 file path=usr/share/man/man3dns_sd/DNSServiceRefSockFD.3dns_sd
 157 file path=usr/share/man/man3dns_sd/DNSServiceRegister.3dns_sd
 158 file path=usr/share/man/man3dns_sd/DNSServiceResolve.3dns_sd
 159 file path=usr/share/man/man3dns_sd/TXTRecordCreate.3dns_sd
 160 file path=usr/share/man/man3lib/libdns_sd.3lib
 161 legacy pkg=SUNWdsdr \
 162     desc="Root components for Multicast DNS daemon and service discovery support
 163     name="Multicast DNS and Service Discovery (Root)"
 164 legacy pkg=SUNWdsdu desc="Multicast DNS daemon and service discovery modules" \
 165     name="Multicast DNS and Service Discovery (Usr)"
 166 license cr_Sun license=cr_Sun
 167 license lic_CDDL license=lic_CDDL
 168 license usr/src/cmd/cmd-inet/usr.lib/mdnsd/THIRDPARTYLICENSE \
 169     license=usr/src/cmd/cmd-inet/usr.lib/mdnsd/THIRDPARTYLICENSE
 170 license usr/src/lib/libdns_sd/THIRDPARTYLICENSE \
 171     license=usr/src/lib/libdns_sd/THIRDPARTYLICENSE
 172 link path=usr/lib/$(ARCH64)/libdns_sd.so target=libdns_sd.so.1
 173 link path=usr/lib/$(ARCH64)/libjdns_sd.so target=libjdns_sd.so.1
 174 link path=usr/lib/libdns_sd.so target=libdns_sd.so.1
 175 link path=usr/lib/libjdns_sd.so target=libjdns_sd.so.1
 176 link path=usr/share/man/man3dns_sd/DNSServiceAddRecord.3dns_sd \
 177     target=DNSServiceCreateConnection.3dns_sd
 178 link path=usr/share/man/man3dns_sd/DNSServiceRegisterRecord.3dns_sd \
 179     target=DNSServiceCreateConnection.3dns_sd
 180 link path=usr/share/man/man3dns_sd/DNSServiceRemoveRecord.3dns_sd \
 181     target=DNSServiceCreateConnection.3dns_sd
 182 link path=usr/share/man/man3dns_sd/DNSServiceUpdateRecord.3dns_sd \
 183     target=DNSServiceCreateConnection.3dns_sd
 184 link path=usr/share/man/man3dns_sd/TXTRecordContainsKey.3dns_sd \
 185     target=TXTRecordCreate.3dns_sd
 186 link path=usr/share/man/man3dns_sd/TXTRecordDeallocate.3dns_sd \
 187     target=TXTRecordCreate.3dns_sd
 188 link path=usr/share/man/man3dns_sd/TXTRecordGetBytesPtr.3dns_sd \
 189     target=TXTRecordCreate.3dns_sd
 190 link path=usr/share/man/man3dns_sd/TXTRecordGetCount.3dns_sd \
 191     target=TXTRecordCreate.3dns_sd
 192 link path=usr/share/man/man3dns_sd/TXTRecordGetItemAtIndex.3dns_sd \
```

```
 193     target=TXTRecordCreate.3dns_sd
 194 link path=usr/share/man/man3dns_sd/TXTRecordGetLength.3dns_sd \
 195     target=TXTRecordCreate.3dns_sd
 196 link path=usr/share/man/man3dns_sd/TXTRecordGetValuePtr.3dns_sd \
 197     target=TXTRecordCreate.3dns_sd
 198 link path=usr/share/man/man3dns_sd/TXTRecordRemoveValue.3dns_sd \
 199     target=TXTRecordCreate.3dns_sd
 200 link path=usr/share/man/man3dns_sd/TXTRecordSetValue.3dns_sd \
 201     target=TXTRecordCreate.3dns_sd
```