

new/usr/src/Makefile.master

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*****
34630 Mon Apr 13 11:10:48 2015
new/usr/src/Makefile.master
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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27 #

29 #
30 # Makefile.master, global definitions for system source
31 #
32 ROOT=          /proto

34 #
35 # Adjunct root, containing an additional proto area to be used for headers
36 # and libraries.
37 #
38 ADJUNCT_PROTO=

40 #
41 # Adjunct for building things that run on the build machine.
42 #
43 NATIVE_ADJUNCT= /usr

45 #
46 # RELEASE_BUILD should be cleared for final release builds.
47 # NOT_RELEASE_BUILD is exactly what the name implies.
48 #
49 # __GNUC toggles the building of ON components using gcc and related tools.
50 # Normally set to '#', set it to '' to do gcc build.
51 #
52 # The declaration POUND_SIGN is always '#'. This is needed to get around the
53 # make feature that '#' is always a comment delimiter, even when escaped or
54 # quoted. We use this macro expansion method to get POUND_SIGN rather than
55 # always breaking out a shell because the general case can cause a noticeable
56 # slowdown in build times when so many Makefiles include Makefile.master.
57 #
58 # While the majority of users are expected to override the setting below
59 # with an env file (via nightly or bldenv), if you aren't building that way
60 # (ie, you're using "ws" or some other bootstrapping method) then you need
61 # this definition in order to avoid the subshell invocation mentioned above.
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62 #

64 PRE_POUND=
65 POUND_SIGN=      pre\#
                    $(PRE_POUND:pre\%=%)

67 NOT_RELEASE_BUILD=
68 RELEASE_BUILD=    $(POUND_SIGN)
69 $(RELEASE_BUILD)NOT_RELEASE_BUILD= $(POUND_SIGN)
70 PATCH_BUILD=      $(POUND_SIGN)

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

79 # The variables below control the compilers used during the build.
80 # There are a number of permutations.
81 #
82 # __GNUC and __SUNC control (and indicate) the primary compiler.  Whichever
83 # one is not POUND_SIGN is the primary, with the other as the shadow.  They
84 # may also be used to control entirely compiler-specific Makefile assignments.
85 # __GNUC and GCC are the default.
86 #
87 # __GNUC64 indicates that the 64bit build should use the GNU C compiler.
88 # There is no Sun C analogue.
89 #
90 # The following version-specific options are operative regardless of which
91 # compiler is primary, and control the versions of the given compilers to be
92 # used.  They also allow compiler-version specific Makefile fragments.
93 #

95 __SUNC=            $(POUND_SIGN)
96 $(__SUNC)__GNUC=    $(POUND_SIGN)
97 __GNUC64=          $(__GNUC)

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

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

106 BUILD_TOOLS=       /ws/onnv-tools
107 ONBLD_TOOLS=        $(BUILD_TOOLS)/onbld

109 JAVA_ROOT=         /usr/java

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

116 GCC_ROOT=           /opt/gcc/4.4.4
117 GCCLIBDIR=           $(GCC_ROOT)/lib
118 GCCLIBDIR64=         $(GCC_ROOT)/lib/$(MACH64)

120 DOCB00K_XSL_ROOT=   /usr/share/sgml/docbook/xsl-stylesheets

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

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128 TRUE=      true
129 SYMLINK=    /usr/bin/ln -s
130 LN=         /usr/bin/ln
131 CHMOD=      /usr/bin/chmod
132 MV=         /usr/bin/mv -f
133 RM=         /usr/bin/rm -f
134 CUT=        /usr/bin/cut
135 NM=         /usr/ccs/bin/nm
136 DIFF=       /usr/bin/diff
137 GREP=       /usr/bin/grep
138 EGREP=      /usr/bin/egrep
139 ELFWRAP=     /usr/bin/elfwrap
140 KSH93=      /usr/bin/ksh93
141 SED=        /usr/bin/sed
142 NAWK=       /usr/bin/nawk
143 CP=         /usr/bin/cp -f
144 MCS=        /usr/ccs/bin/mcs
145 CAT=        /usr/bin/cat
146 ELFDUMP=    /usr/ccs/bin/elfdump
147 M4=         /usr/ccs/bin/m4
148 STRIP=      /usr/ccs/bin/strip
149 LEX=        /usr/ccs/bin/lex
150 FLEX=       $(SFW_ROOT)/bin/flex
151 YACC=       /usr/ccs/bin/yacc
152 CPP=        /usr/lib/cpp
153 JAVAC=      $(JAVA_ROOT)/bin/javac
154 JAVAH=      $(JAVA_ROOT)/bin/javah
155 JAVADOC=    $(JAVA_ROOT)/bin/javadoc
156 RMIC=       $(JAVA_ROOT)/bin/rmic
157 JAR=        $(JAVA_ROOT)/bin/jar
158 CTFCONVERT= $(ONBLD_TOOLS)/bin/$(MACH)/ctfconvert
159 CTFMERGE=   $(ONBLD_TOOLS)/bin/$(MACH)/ctfmerge
160 CTFSTABS=   $(ONBLD_TOOLS)/bin/$(MACH)/ctfstabs
161 CTFSTRIP=   $(ONBLD_TOOLS)/bin/$(MACH)/ctfstrip
162 NDRGEN=     $(ONBLD_TOOLS)/bin/$(MACH)/ndrgen
163 GENOFFSETS= $(ONBLD_TOOLS)/bin/genoffsets
164 XREF=       $(ONBLD_TOOLS)/bin/xref
165 FIND=       /usr/bin/find
166 PERL=       /usr/bin/perl
167 PERL_VERSION= 5.10.0
168 PERL_PKGVERS= -510
169 PERL_ARCH =      i86pc-solaris-64int
170 $(SPARC_BLD)PERL_ARCH = sun4-solaris-64int
171 PYTHON_26=     /usr/bin/python2.6
172 PYTHON=        $(PYTHON_26)
173 SORT=          /usr/bin/sort
174 TOUCH=         /usr/bin/touch
175 WC=            /usr/bin/wc
176 XARGS=         /usr/bin/xargs
177 ELFEDIT=       /usr/bin/elfedit
178 ELFSIGN=       /usr/bin/elfsign
179 DTRACE=        /usr/sbin/dtrace -xnolib
180 UNIQ=          /usr/bin/uniq
181 TAR=           /usr/bin/tar
182 ASTBINDIR=     /usr/ast/bin
183 MSGCC=         $(ASTBINDIR)/msgcc

185 FILEMODE=      644
186 DIRMODE=       755

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

192 # For stylistic checks
193 #

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

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

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

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

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

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

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

232 #
233 # Python bakes the mtime of the .py file into the compiled .pyc and
234 # rebuilds if the baked-in mtime != the mtime of the source file
235 # (rather than only if it's less than), thus when installing python
236 # files we must make certain to not adjust the mtime of the source
237 # (.py) file.
238 #
239 INS.pyfile=    $(INS.file); $(TOUCH) -r $< $@

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

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

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

257 sparc_BUILD64=
258 i386_BUILD64=
259 BUILD64=       $(MACH)_BUILD64

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261 #
262 # C compiler mode. Future compilers may change the default on us,
263 # so force extended ANSI mode globally. Lower level makefiles can
264 # override this by setting CCMODE.
265 #
266 CCMODE=                -Xa
267 CCMODE64=              -Xa

269 #
270 # C compiler verbose mode. This is so we can enable it globally,
271 # but turn it off in the lower level makefiles of things we cannot
272 # (or aren't going to) fix.
273 #
274 CCVERBOSE=            -v

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

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

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

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

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

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326 #
327 # compiler '-xarch' flag. This is here to centralize it and make it
328 # overridable for testing.
329 sparc_XARCH=          -m32
330 sparcv9_XARCH=        -m64
331 i386_XARCH=
332 amd64_XARCH=          -m64 -Ui386 -U__i386

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

340 #
341 # These flags define what we need to be 'standalone' i.e. -not- part
342 # of the rather more cosy userland environment. This basically means
343 # the kernel.
344 #
345 # XX64 future versions of gcc will make -mmodel=kernel imply -mno-red-zone
346 #
347 sparc_STAND_FLAGS=      -_gcc=-ffreestanding
348 sparcv9_STAND_FLAGS=    -_gcc=-ffreestanding
349 # Disabling MMX also disables 3DNow, disabling SSE also disables all later
350 # additions to SSE (SSE2, AVX, etc.)
351 NO_SIMD=                -_gcc=-mno-mmx -_gcc=-mno-sse
352 i386_STAND_FLAGS=        -_gcc=-ffreestanding $(NO_SIMD)
353 amd64_STAND_FLAGS=      -xmodel=kernel $(NO_SIMD)

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

358 STAND_FLAGS_32 = ${$(MACH)_STAND_FLAGS}
359 STAND_FLAGS_64 = ${$(MACH64)_STAND_FLAGS}

361 #
362 # disable the incremental linker
363 ILDOFF=                 -xildoff
364 #
365 XDEPEND=                -xdepend
366 XFFLAG=                 -xF=%all
367 XESS=                   -xs
368 XSTRCONST=              -xstrconst

370 #
371 # turn warnings into errors (C)
372 CERRWARN = -errtags=yes -errwarn=%all
373 CERRWARN += -erroff=E_EMPTY_TRANSLATION_UNIT
374 CERRWARN += -erroff=E_STATEMENT_NOT_REACHED

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

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

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

390 #
391 # turn warnings into errors (C++)

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392 CCERRWARN=          -xwe

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

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

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

413 #
414 sparc_COPTFLAG=       -x03
415 sparcv9_COPTFLAG=     -x03
416 i386_COPTFLAG=       -O
417 amd64_COPTFLAG=      -x03

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

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

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

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

438 #
439 # Default debug format for Sun Studio 11 is dwarf, so force it to
440 # generate stabs.
441 #
442 DEBUGFORMAT=         -xdebugformat=stabs

444 #
445 # Flags used to build in debug mode for ctf generation.  Bugs in the Devpro
446 # compilers currently prevent us from building with cc-emitted DWARF.
447 #
448 CTF_FLAGS_sparc = -g -Wc,-Qiselect-T1 $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)
449 CTF_FLAGS_i386  = -g $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)

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

454 # Sun Studio produces broken userland code when saving arguments.
455 $((__GNUCC)CTF_FLAGS_amd64 += $(SAVEARGS))

457 CTF_FLAGS_32      = $(CTF_FLAGS_$(MACH)) $(DEBUGFORMAT)

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

461 #
462 # Flags used with genoffsets
463 #
464 GOFLAGS = -_noecho \
465           $(CALLSYMS) \
466           $(CDWARFSTR)

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

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

474 #
475 # tradeoff time for space (smaller is better)
476 #
477 sparc_SPACEFLAG      = -xspace -W0,-Lt
478 sparcv9_SPACEFLAG    = -xspace -W0,-Lt
479 i386_SPACEFLAG       = -xspace
480 amd64_SPACEFLAG      =

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

485 #
486 # The Sun Studio 11 compiler has changed the behaviour of integer
487 # wrap arounds and so a flag is needed to use the legacy behaviour
488 # (without this flag panics/hangs could be exposed within the source).
489 #
490 sparc_IROPTFLAG       = -W2,-xwrap_int
491 sparcv9_IROPTFLAG     = -W2,-xwrap_int
492 i386_IROPTFLAG        =
493 amd64_IROPTFLAG       =

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

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

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

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

511 #
512 # These variables are intended ONLY for use by developers to safely pass extra
513 # flags to the compilers without unintentionally overriding Makefile-set
514 # flags.  They should NEVER be set to any value in a Makefile.
515 #
516 # They come last in the associated FLAGS variable such that they can
517 # explicitly override things if necessary, there are gaps in this, but it's
518 # the best we can manage.
519 #
520 CUSERFLAGS            =
521 CUSERFLAGS64          = $(CUSERFLAGS)
522 CCUSERFLAGS           =
523 CCUSERFLAGS64         = $(CCUSERFLAGS)

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525 CSOURCEDEBUGFLAGS      =
526 CCSOURCEDEBUGFLAGS      =
527 $(SRCDGBLD)CSOURCEDEBUGFLAGS = -g -xs
528 $(SRCDGBLD)CCSOURCEDEBUGFLAGS = -g -xs

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

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

558 #
559 # For source message catalogue
560 #
561 .SUFFIXES: $(SUFFIXES) .i .po
562 MSGROOT= $(ROOT)/catalog
563 MSGDOMAIN= $(MSGROOT)/$(TEXT_DOMAIN)
564 MSGDOMAINPOFILE = $(MSGDOMAIN)/$(POFILE)
565 DCMMSGDOMAIN= $(MSGROOT)/LC_TIME/$(TEXT_DOMAIN)
566 DCMMSGDOMAINPOFILE = $(DCMSGDOMAIN)/$(DCFILE:.dc=.po)

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

580 #
581 # This is overwritten by local Makefile when PROG is a list.
582 #
583 POFILE= $(PROG).po

585 sparc_CCFLAGS=          -cg92 -compat=4 \
586                        -Option ccfe -messages=no%anachronism \
587                        $(CCERRWARN)
588 sparcv9_CCFLAGS=        $(sparcv9_XARCH) -dalign -compat=5 \

```

```

589                        -Option ccfe -messages=no%anachronism \
590                        -Option ccfe -features=no%conststrings \
591                        $(CCREGSYM) \
592                        $(CCERRWARN)
593 i386_CCFLAGS=           -compat=4 \
594                        -Option ccfe -messages=no%anachronism \
595                        -Option ccfe -features=no%conststrings \
596                        $(CCERRWARN)
597 amd64_CCFLAGS=          $(amd64_XARCH) -compat=5 \
598                        -Option ccfe -messages=no%anachronism \
599                        -Option ccfe -features=no%conststrings \
600                        $(CCERRWARN)

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

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

614 #
615 #
616 #
617 ELFWRAP_FLAGS =
618 ELFWRAP_FLAGS64 =      -64

620 #
621 # Various mapfiles that are used throughout the build, and delivered to
622 # /usr/lib/ld.
623 #
624 MAPFILE.NED_i386 =      $(SRC)/common/mapfiles/common/map.noexdata
625 MAPFILE.NED_sparc =
626 MAPFILE.NED =           $(MAPFILE.NED_$(MACH))
627 MAPFILE.PGA =           $(SRC)/common/mapfiles/common/map.pagealign
628 MAPFILE.NES =           $(SRC)/common/mapfiles/common/map.noexstk
629 MAPFILE.FLT =           $(SRC)/common/mapfiles/common/map.filter
630 MAPFILE.LEX =           $(SRC)/common/mapfiles/common/map.lex.yy

632 #
633 # Generated mapfiles that are compiler specific, and used throughout the
634 # build. These mapfiles are not delivered in /usr/lib/ld.
635 #
636 MAPFILE.NGB_sparc=       $(SRC)/common/mapfiles/gen/sparc_cc_map.noexeglobs
637 $(__GNUC64)MAPFILE.NGB_sparc= \
638 $(SRC)/common/mapfiles/gen/sparc_gcc_map.noexeglobs
639 MAPFILE.NGB_sparcv9=     $(SRC)/common/mapfiles/gen/sparcv9_cc_map.noexeglobs
640 $(__GNUC64)MAPFILE.NGB_sparcv9= \
641 $(SRC)/common/mapfiles/gen/sparcv9_gcc_map.noexeglobs
642 MAPFILE.NGB_i386=        $(SRC)/common/mapfiles/gen/i386_cc_map.noexeglobs
643 $(__GNUC64)MAPFILE.NGB_i386= \
644 $(SRC)/common/mapfiles/gen/i386_gcc_map.noexeglobs
645 MAPFILE.NGB_amd64=       $(SRC)/common/mapfiles/gen/amd64_cc_map.noexeglobs
646 $(__GNUC64)MAPFILE.NGB_amd64= \
647 $(SRC)/common/mapfiles/gen/amd64_gcc_map.noexeglobs
648 MAPFILE.NGB =           $(MAPFILE.NGB_$(MACH))

650 #
651 # A generic interface mapfile name, used by various dynamic objects to define
652 # the interfaces and interposers the object must export.
653 #
654 MAPFILE.INT =            mapfile-intf

```

```

656 #
657 # LDLIBS32 and LDLIBS64 can be set in the environment to override the following
658 # assignments.
659 #
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)

670 LDLIBS64 = $(ENVLDLIBS1:%=-L%/$(MACH64)) \
671             $(ENVLDLIBS2:%=-L%/$(MACH64)) \
672             $(ENVLDLIBS3:%=-L%/$(MACH64))
673 LDLIBS64 += $(ADJUNCT_PROTO:%=-L%/usr/lib/$(MACH64) -L%/lib/$(MACH64))

675 #
676 # Define compilation macros.
677 #
678 COMPILER.c= $(CC) $(CFLAGS) $(CPPFLAGS) -c
679 COMPILER64.c= $(CC) $(CFLAGS64) $(CPPFLAGS) -c
680 COMPILER.cc= $(CCC) $(CCFLAGS) $(CPPFLAGS) -c
681 COMPILER64.cc= $(CCC) $(CCFLAGS64) $(CPPFLAGS) -c
682 COMPILER.s= $(AS) $(ASFLAGS) $(AS_CPPFLAGS)
683 COMPILER64.s= $(AS) $(ASFLAGS) $(MACH64_AS_XARCH) $(AS_CPPFLAGS)
684 COMPILER.d= $(DTRACE) -G -32
685 COMPILER64.d= $(DTRACE) -G -64
686 COMPILER.b= $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))
687 COMPILER64.b= $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))

689 CLASSPATH=
690 COMPILER.java= $(JAVAC) $(JAVAFLAGS) -classpath $(CLASSPATH)

692 #
693 # Link time macros
694 #
695 CCNEEDED = -lc
696 CCEXTNEEDED = -lc_r -lcstd
697 $(__GNUC)CCNEEDED = -L$(GCCLIBDIR) -lstl -lgcc_s
698 $(__GNUC)CCEXTNEEDED = $(CCNEEDED)

700 LINK.c= $(CC) $(CFLAGS) $(CPPFLAGS) $(LDFLAGS)
701 LINK64.c= $(CC) $(CFLAGS64) $(CPPFLAGS) $(LDFLAGS)
702 NORUNPATH= -norunpath -nolib
703 LINK.cc= $(CCC) $(CCFLAGS) $(CPPFLAGS) $(NORUNPATH) \
704          $(LDFLAGS) $(CCNEEDED)
705 LINK64.cc= $(CCC) $(CCFLAGS64) $(CPPFLAGS) $(NORUNPATH) \
706            $(LDFLAGS) $(CCNEEDED)

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

```

```

721 ALWAYS_LINT_DEFS += -erroff=E_SEC_FORBIDDEN_WARN_CREAT
722 # XX64 -- really only needed for amd64 lint
723 ALWAYS_LINT_DEFS += -erroff=E_ASSIGN_INT_TO_SMALL_INT
724 ALWAYS_LINT_DEFS += -erroff=E_CAST_INT_CONST_TO_SMALL_INT
725 ALWAYS_LINT_DEFS += -erroff=E_CAST_INT_TO_SMALL_INT
726 ALWAYS_LINT_DEFS += -erroff=E_CAST_TO_PTR_FROM_INT
727 ALWAYS_LINT_DEFS += -erroff=E_COMP_INT_WITH_LARGE_INT
728 ALWAYS_LINT_DEFS += -erroff=E_INTEGRAL_CONST_EXP_EXPECTED
729 ALWAYS_LINT_DEFS += -erroff=E_PASS_INT_TO_SMALL_INT
730 ALWAYS_LINT_DEFS += -erroff=E_PTR_CONV_LOSES_BITS

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

736 SECLEVEL= core
737 LINT.c= $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS) $(CPPFLAGS) \
738         $(ALWAYS_LINT_DEFS)
739 LINT64.c= $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS64) $(CPPFLAGS) \
740          $(ALWAYS_LINT_DEFS)
741 LINT.s= $(LINT.c)

743 # For some future builds, NATIVE_MACH and MACH might be different.
744 # Therefore, NATIVE_MACH needs to be redefined in the
745 # environment as 'uname -p' to override this macro.
746 #
747 # For now at least, we cross-compile amd64 on i386 machines.
748 NATIVE_MACH= $(MACH:amd64=i386)

750 # Define native compilation macros
751 #

753 # Base directory where compilers are loaded.
754 # Defined here so it can be overridden by developer.
755 #
756 SPRO_ROOT= $(BUILD_TOOLS)/SUNWspro
757 SPRO_VROOT= $(SPRO_ROOT)/SS12
758 GNU_ROOT= $(SFW_ROOT)

760 # Till SS12u1 formally becomes the NV CBE, LINT is hard
761 # coded to be picked up from the $SPRO_ROOT/sunstudio12.1/
762 # location. Impacted variables are sparc_LINT, sparcv9_LINT,
763 # i386_LINT, amd64_LINT.
764 # Reset them when SS12u1 is rolled out.
765 #

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

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

```

```

788 i386_CC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
789 $(__GNUCC)i386_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
790 i386_CCC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
791 $(__GNUCC)i386_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
792 i386_CPP=      /usr/ccs/lib/cpp
793 i386_AS=       /usr/ccs/bin/as
794 $(__GNUCC)i386_AS= $(ONBLD_TOOLS)/bin/$(MACH)/aw
795 i386_LD=       /usr/ccs/bin/ld
796 i386_LINT=     $(SPRO_ROOT)/sunstudio12.1/bin/lint

```

```

798 amd64_CC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
799 $(__GNUCC)amd64_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
800 amd64_CCC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
801 $(__GNUCC)amd64_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
802 amd64_CPP=      /usr/ccs/lib/cpp
803 amd64_AS=       $(ONBLD_TOOLS)/bin/$(MACH)/aw
804 amd64_LD=       /usr/ccs/bin/ld
805 amd64_LINT=     $(SPRO_ROOT)/sunstudio12.1/bin/lint

```

```

807 NATIVECC=      $( $(NATIVE_MACH)_CC )
808 NATIVECCC=      $( $(NATIVE_MACH)_CCC )
809 NATIVECPP=      $( $(NATIVE_MACH)_CPP )
810 NATIVEAS=       $( $(NATIVE_MACH)_AS )
811 NATVELD=        $( $(NATIVE_MACH)_LD )
812 NATVELINT=      $( $(NATIVE_MACH)_LINT )

```

```

814 #
815 # Makefile.master.64 overrides these settings
816 #
817 CC=              $(NATIVECC)
818 CCC=              $(NATIVECCC)
819 CPP=              $(NATIVECPP)
820 AS=               $(NATIVEAS)
821 LD=               $(NATVELD)
822 LINT=             $(NATVELINT)

```

```

824 # The real compilers used for this build
825 CW_CC_CMD=       $(CC) -_compiler
826 CW_CCC_CMD=      $(CCC) -_compiler
827 REAL_CC=         $(CW_CC_CMD:sh)
828 REAL_CCC=        $(CW_CCC_CMD:sh)

```

```

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

```

```

833 BDIRECT=         -Bdirect
834 BDYNAMIC=        -Bdynamic
835 BLOCAL=          -Blocal
836 BNODIRECT=       -Bnodirect
837 BREDUCE=         -Breduce
838 BSTATIC=         -Bstatic

```

```

840 ZDEFS=           -zdefs
841 ZDIRECT=         -zdirect
842 ZIGNORE=         -zignore
843 ZINITFIRST=      -zinitfirst
844 ZINTERPOSE=      -zinterpose
845 ZLAZYLOAD=       -zlazyload
846 ZLOADFLTR=      -zloadfltr
847 ZMULDEFS=        -zmuldefs
848 ZNODEFAULTLIB=   -znodfaultlib
849 ZNODEFS=         -znodels
850 ZNODELETE=       -znodelte
851 ZNODLOPEN=       -znodlopen
852 ZNODUMP=         -znodump

```

```

853 ZNOLAZYLOAD=     -znolazyload
854 ZNOLDYNSYM=      -znolddynsym
855 ZNORELOC=        -znoreloc
856 ZNOVERSION=      -znoversion
857 ZRECORD=         -zrecord
858 ZREDLOCSYM=      -zredlocsym
859 ZTEXT=           -ztext
860 ZVERBOSE=        -zverbose

```

```

862 GSHARED=         -G
863 CCMT=            -mt

```

```

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

```

```

868 sparc_C_PICFLAGS = -K pic
869 sparcv9_C_PICFLAGS = -K pic
870 i386_C_PICFLAGS = -K pic
871 amd64_C_PICFLAGS = -K pic
872 C_PICFLAGS =      $( $(MACH)_C_PICFLAGS )
873 C_PICFLAGS64 =     $( $(MACH64)_C_PICFLAGS )

```

```

875 sparc_C_BIGPICFLAGS = -K PIC
876 sparcv9_C_BIGPICFLAGS = -K PIC
877 i386_C_BIGPICFLAGS = -K PIC
878 amd64_C_BIGPICFLAGS = -K PIC
879 C_BIGPICFLAGS =     $( $(MACH)_C_BIGPICFLAGS )
880 C_BIGPICFLAGS64 =   $( $(MACH64)_C_BIGPICFLAGS )

```

```

882 # CC requires there to be no space between '-K' and 'pic' or 'PIC'.

```

```

883 sparc_CC_PICFLAGS = -Kpic
884 sparcv9_CC_PICFLAGS = -KPIC
885 i386_CC_PICFLAGS = -Kpic
886 amd64_CC_PICFLAGS = -Kpic
887 CC_PICFLAGS =       $( $(MACH)_CC_PICFLAGS )
888 CC_PICFLAGS64 =     $( $(MACH64)_CC_PICFLAGS )

```

```

890 AS_PICFLAGS=       $(C_PICFLAGS)
891 AS_BIGPICFLAGS=    $(C_BIGPICFLAGS)

```

```

893 #
894 # Default label for CTF sections
895 #
896 CTFCVTFLAGS=       -i -L VERSION

```

```

898 #
899 # Override to pass module-specific flags to ctfmerge. Currently used only by
900 # krtld to turn on fuzzy matching, and source-level debugging to inhibit
901 # stripping.
902 #
903 CTFMRGFLAGS=

```

```

905 CTFCONVERT_0       = $(CTFCONVERT) $(CTFCVTFLAGS) $@

```

```

907 ELFSIGN_0=          $(TRUE)
908 ELFSIGN_CRYPT0=     $(ELFSIGN_0)
909 ELFSIGN_OBJECT=     $(ELFSIGN_0)

```

```

911 # Rules (normally from make.rules) and macros which are used for post
912 # processing files. Normally, these do stripping of the comment section
913 # automatically.

```

```

914 # RELEASE_CM:      Should be edited to reflect the release.
915 # POST_PROCESS_0:   Post-processing for '.o' files.
916 # POST_PROCESS_A:   Post-processing for '.a' files (currently null).
917 # POST_PROCESS_S0:  Post-processing for '.so' files.
918 # POST_PROCESS:     Post-processing for executable files (no suffix).

```

```

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

963 PROCESS_COMMENT= @?${MCS} -d -a $(RELEASE_CM) -a $(DEV_CM)
964 $(RELEASE_BUILD)PROCESS_COMMENT= @?${MCS} -d -a $(RELEASE_CM)

966 STRIP_STABS= $(STRIP) -x $@
967 $(SRCDGBGLD)STRIP_STABS= :

969 POST_PROCESS_0=
970 POST_PROCESS_A=
971 POST_PROCESS_S0= $(PROCESS_COMMENT) $@ ; $(STRIP_STABS) ; \
972                  $(ELFSIGN_OBJECT)
973 POST_PROCESS= $(PROCESS_COMMENT) $@ ; $(STRIP_STABS) ; \
974               $(ELFSIGN_OBJECT)

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

```

```

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

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

1000 # Default build rules which perform comment section post-processing.
1001 #
1002 .c:
1003     $(LINK.c) -o $@ $< $(LDLIBS)
1004     $(POST_PROCESS)
1005 .c.o:
1006     $(COMPILE.c) $(OUTPUT_OPTION) $< $(CTFCONVERT_HOOK)
1007     $(POST_PROCESS_0)
1008 .c.a:
1009     $(COMPILE.c) -o $% $<
1010     $(PROCESS_COMMENT) $%
1011     $(AR) $(ARFLAGS) $@ $%
1012     $(RM) $%
1013 .s.o:
1014     $(COMPILE.s) -o $@ $<
1015     $(POST_PROCESS_0)
1016 .s.a:
1017     $(COMPILE.s) -o $% $<
1018     $(PROCESS_COMMENT) $%
1019     $(AR) $(ARFLAGS) $@ $%
1020     $(RM) $%
1021 .cc:
1022     $(LINK.cc) -o $@ $< $(LDLIBS)
1023     $(POST_PROCESS)
1024 .cc.o:
1025     $(COMPILE.cc) $(OUTPUT_OPTION) $<
1026     $(POST_PROCESS_0)
1027 .cc.a:
1028     $(COMPILE.cc) -o $% $<
1029     $(AR) $(ARFLAGS) $@ $%
1030     $(PROCESS_COMMENT) $%
1031     $(RM) $%
1032 .y:
1033     $(YACC.y) $<
1034     $(LINK.c) -o $@ y.tab.c $(LDLIBS)
1035     $(POST_PROCESS)
1036     $(RM) y.tab.c
1037 .y.o:
1038     $(YACC.y) $<
1039     $(COMPILE.c) -o $@ y.tab.c $(CTFCONVERT_HOOK)
1040     $(POST_PROCESS_0)
1041     $(RM) y.tab.c
1042 .l:
1043     $(RM) $*.c
1044     $(LEX.l) $< > $*.c
1045     $(LINK.c) -o $@ $*.c -ll $(LDLIBS)
1046     $(POST_PROCESS)
1047     $(RM) $*.c
1048 .l.o:
1049     $(RM) $*.c
1050     $(LEX.l) $< > $*.c

```

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```

1051      $(COMPILE.c) -o $@ $*.c $(CTFCONVERT_HOOK)
1052      $(POST_PROCESS_0)
1053      $(RM) $*.c

1055 .bin.o:
1056      $(COMPILE.b) -o $@ $<
1057      $(POST_PROCESS_0)

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

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

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

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

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

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

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

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

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

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

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

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

```

17

new/usr/src/Makefile.master

```

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

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

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

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

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

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

1148 .h.check:
1149      $(DOT_H_CHECK)

1151 .x.check:
1152      $(DOT_X_CHECK)

1154 .xml.xmlchk:
1155      $(MANIFEST_CHECK)

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

```

18

```

*****
19869 Mon Apr 13 11:10:48 2015
new/usr/src/cmd/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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 2015 Nexenta Systems, Inc. All rights reserved.
24 # Copyright (c) 2012 Joyent, Inc. All rights reserved.
25 # Copyright (c) 2012 by Delphix. All rights reserved.
26 # Copyright (c) 2013 DEY Storage Systems, Inc. All rights reserved.
27 # Copyright 2014 Garrett D'Amore <garrett@damore.org>

29 include ../Makefile.master

31 #
32 # Note that the commands 'lp', and 'perl' are first in
33 # the list, violating alphabetical order. This is because they are very
34 # long-running and should be given the most wall-clock time for a
35 # parallel build.
36 #
37 # Commands in the FIRST_SUBDIRS list are built before starting the build
38 # of other commands. Currently this includes only 'isaexec' and
39 # 'platexec'. This is necessary because $(ROOT)/usr/lib/isaexec or
40 # $(ROOT)/usr/lib/platexec must exist when some other commands are built
41 # because their 'make install' creates a hard link to one of them.
42 #
43 # Commands are listed one per line so that TeamWare can auto-merge most
44 # changes.
45 #

47 FIRST_SUBDIRS= \
48 isaexec \
49 platexec

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

```

```

62 asa \
63 ast \
64 audio \
65 auths \
66 autopush \
67 avs \
68 awk \
69 awk_xpg4 \
70 backup \
71 banner \
72 bart \
73 basename \
74 bc \
75 bdiff \
76 beadm \
77 bfs \
78 bnu \
79 boot \
80 busstat \
81 cal \
82 calendar \
83 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 \

```

new/usr/src/cmd/Makefile

```

128      diskmgtd      \
129      dispadmin     \
130      dladm          \
131      dlstat         \
132      dmesg          \
133      dodatadm       \
134      dtrace         \
135      du             \
136      dumpadm        \
137      dumpcs         \
138      echo           \
139      ed             \
140      eeprom         \
141      egrep          \
142      eject          \
143      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      find           \
161      flowadm        \
162      flowstat       \
163      fm             \
164      fmt            \
165      fmthard        \
166      fmtmsg         \
167      fold           \
168      format         \
169      fs.d           \
170      fstyp          \
171      fuser          \
172      fwflash        \
173      gcore          \
174      gencat         \
175      geniconvtbl    \
176      genmsg         \
177      getconf        \
178      getdevpolicy   \
179      getent         \
180      getfac1        \
181      getmajor       \
182      getopt         \
183      gettext        \
184      gettxt         \
185      grep           \
186      grep_xpg4      \
187      groups         \
188      grpck          \
189      gss            \
190      hal            \
191      halt           \
192      head           \
193      hostid        \

```

3

new/usr/src/cmd/Makefile

```

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

```

4

new/usr/src/cmd/Makefile

```

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

```

5

new/usr/src/cmd/Makefile

```

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

```

6

new/usr/src/cmd/Makefile

```

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

```

7

new/usr/src/cmd/Makefile

```

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

473 i386_SUBDIRS= \
474 acpihp \
475 addbadsec \
476 biosdev \
477 diskscan \
478 lms \
479 rtc \
480 ucodeadm \
481 xvm \

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

499 #
500 # Commands that are messaged. Note that 'lp' comes first
501 # (see previous comment about 'lp'.)
502 #
503 MSGSUBDIRS= \
504 lp \
505 abi \
506 acctadm \
507 allocate \
508 asa \
509 audio \
510 audit \
511 auditconfig \
512 auditd \
513 auditrecord \
514 auditset \
515 auths \
516 autopush \
517 avs \
518 awk \
519 awk_xpg4 \
520 backup \
521 banner \
522 bart \

```

8

new/usr/src/cmd/Makefile

```

523      basename      \
524      beadm          \
525      bnu            \
526      busstat        \
527      cal            \
528      cat            \
529      cdrw           \
530      cfgadm         \
531      checkeq        \
532      checknr        \
533      chgrp          \
534      chmod          \
535      chown          \
536      cmd-crypto     \
537      cmd-inet       \
538      col            \
539      compress       \
540      consadm        \
541      coreadm        \
542      cpio           \
543      cpc            \
544      cron           \
545      csh            \
546      csplit         \
547      ctrun          \
548      ctstat         \
549      ctwatch        \
550      datadm         \
551      date           \
552      dc             \
553      dcs            \
554      dd             \
555      deroff         \
556      devfsadm       \
557      dfs.cmds       \
558      diff           \
559      diffmk         \
560      dladm          \
561      dlstat         \
562      du             \
563      dumpcs        \
564      ed             \
565      eject          \
566      env            \
567      eqn            \
568      expand          \
569      expr           \
570      fcinfo         \
571      fgrep          \
572      file           \
573      filesync       \
574      find           \
575      flowadm        \
576      flowstat       \
577      fm             \
578      fold           \
579      fs.d           \
580      fwflash        \
581      geniconvtbl    \
582      genmsg         \
583      getconf        \
584      getent         \
585      gettext        \
586      gettxt         \
587      grep           \
588      grep_xpg4      \

```

9

new/usr/src/cmd/Makefile

```

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

```

10

new/usr/src/cmd/Makefile

```

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

```

11

new/usr/src/cmd/Makefile

```

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

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

747      i386_MSGSUBDIRS= \
748      ucodeadm       \

750 #
751 # commands that use dcgettext for localized time, LC_TIME
752 #
753      DCSUBDIRS= \
754      cal        \
755      cfgadm     \
756      diff       \
757      ls         \
758      pr         \
759      ps         \
760      tar        \
761      w          \
762      who        \
763      whodo      \
764      write      \

766 #
767 # commands that belong only to audit.
768 #
769      AUDITSUBDIRS= \
770      amt          \
771      audit        \
772      audit_warn   \
773      auditconfig  \
774      auditd       \
775      auditrecord  \
776      auditreduce  \
777      auditset     \
778      auditstat    \
779      praudit      \

781 #
782 # commands not owned by the systems group
783 #
784      BWOSDIRS=

```

12

new/usr/src/cmd/Makefile

13

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

795 .KEEP_STATE:

797 SUBDIRS = $(COMMON_SUBDIRS) $($(_MACH)_SUBDIRS)

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

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

804 #
805 # Manifests cannot be checked in parallel, because we are using
806 # the global repository that is in $(SRC)/cmd/svc/seed/global.db.
807 # For this reason, to avoid .PARALLEL and .NO_PARALLEL conflicts,
808 # we spawn off a sub-make to perform the non-parallel 'make check'
809 #
810 check:
811     $(MAKE) -f Makefile.check check

813 #
814 # The .WAIT directive works around an apparent bug in parallel make.
815 # Evidently make was getting the target _msg vs. _dc confused under
816 # some level of parallelization, causing some of the _dc objects
817 # not to be built.
818 #
819 _msg: $(MSGSUBDIRS) $($(_MACH)_MSGSUBDIRS) .WAIT _dc

821 _dc: $(DCSUBDIRS)

823 #
824 # Dependencies
825 #
826 fs.d: fstyp
827 ksh:    shcomp isaexec
828 mdb:    terminfo
829 print:  lp
830 fmt:    mailx

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:
```

new/usr/src/cmd/cmd-inet/usr.lib/slpd/slp

1

```
*****
2266 Mon Apr 13 11:10:48 2015
new/usr/src/cmd/cmd-inet/usr.lib/slpd/slp
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
1 #!/sbin/sh
2 #
3 # CDDL HEADER START
4 #
5 # The contents of this file are subject to the terms of the
6 # Common Development and Distribution License (the "License").
7 # You may not use this file except in compliance with the License.
8 #
9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
10 # or http://www.opensolaris.org/os/licensing.
11 # See the License for the specific language governing permissions
12 # and limitations under the License.
13 #
14 # When distributing Covered Code, include this CDDL HEADER in each
15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 # If applicable, add the following below this CDDL HEADER, with the
17 # fields enclosed by brackets "[]" replaced with your own identifying
18 # information: Portions Copyright [yyyy] [name of copyright owner]
19 #
20 # CDDL HEADER END
21 #
22 #
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 #
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 #
34 . /lib/svc/share/smf_include.sh
35
36 CONF=/etc/inet/slp.conf
37 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
44
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     ;;
50 'stop')
51     # Kill the slpd proxy.
52     /usr/bin/pkill -x -u 0 -P 1 -z 'smf_zonename' $SLPD
53
54     # If a configuration file exists signal a shutdown to the real slpd.
55     [ -f $CONF ] && {
56         $JAVA_BIN -classpath $CLASSPATH \
57             $MAIN_CLASS stop -f $CONF >/dev/msglog 2>&1 &
58
59         # Give the above slpd instance a chance to signal
```

new/usr/src/cmd/cmd-inet/usr.lib/slpd/slp

2

```
60     # a shutdown to the real slpd instance. If after
61     # this time it has hung kill it.
62     sleep 5
63
64     # The pattern must not exceed 80 chars!
65     /usr/bin/pkill -x -f -u 0 -P 1,$$ -z 'smf_zonename' \
66         "${JAVA_BIN}.*-classpath ${CLASSPATH} .*"
67 }
68
69 # Kill the slpd proxy service contract
70 smf_kill_contract $2 TERM 1
71 [ $? -ne 0 ] && exit 1
72 ;;
73 *)
74     echo "Usage: $0 { start | stop }"
75     exit 1
76 ;;
77 esac
78 exit 0
```

new/usr/src/cmd/dtrace/test/cmd/jdtrace/Makefile

1

```
*****
2694 Mon Apr 13 11:10:48 2015
new/usr/src/cmd/dtrace/test/cmd/jdtrace/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
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18 #
19 # CDDL HEADER END
20 #
21 #
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 PROG = jdtrace
28 SRCS = jdtrace.c

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

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

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

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

56 $(PROTO_JDTRACE_JAR) := FILEMODE = 0644
57 $(CMD) := FILEMODE = 0555
58 $(XLIST) := FILEMODE = 0444

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

new/usr/src/cmd/dtrace/test/cmd/jdtrace/Makefile

2

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

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

69 lint:

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

73 $(PROG): $(SRCS)
74     $(LINK.c) -o $$@ $(SRCS) $(LDLIBS)
75     $(POST_PROCESS) ; $(STRIP_STABS)

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

82 $(JDTRACE_JAR): $(JAVASRC)
83     @mkdir -p $(CLASSDIR)
84     @mkdir -p $(LIBDIR)
85     $(COMPILE.java) $(JAVASRC)
86     $(JAR) -cmf $(MANIFEST) $(JDTRACE_JAR) -C $(CLASSDIR) .

88 $(PROTO_JDTRACE_JAR): $(ROOTLIBJAVA)

90 $(CMD): $(ROOTBIN)

92 $(XLIST): $(ROOTBIN)

94 $(ROOTBIN):
95     $(INS.dir)

97 $(ROOTLIB):
98     $(INS.dir)

100 $(ROOTLIBJAVA): $(ROOTLIB)
101     $(INS.dir)

103 $(ROOTLIBJAVA)/%.jar: $(LIBDIR)/%.jar
104     $(INS.file)

106 $(ROOTBIN)/%: %
107     $(INS.file)
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/Makefile

1

```
*****
2176 Mon Apr 13 11:10:48 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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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 include $(SRC)/Makefile.master

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

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

48 default: $(TEST_JAR)

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

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

56 all: default

58 lint:

60 install: all $(PROTO_TEST_JAR)
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/Makefile

2

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

66 $(TEST_JAR): $(SRCDIR)/*.java
67     @mkdir -p $(CLASSDIR)
68     $(COMPILE.java) $(SRCDIR)/*.java
69     $(JAR) -cmf $(MANIFEST) $(TEST_JAR) -C $(CLASSDIR) .

71 $(PROTO_TEST_JAR): $(JAR_DSTDIR)

73 $(JAR_DSTDIR):
74     $(INS.dir)

76 $(JAR_DSTDIR)/%: $(JAR_SRCDIR)/%
77     $(INS.file)
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestAbort.java

1

```
*****
3961 Mon Apr 13 11:10:48 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestAbort.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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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 */

27 import org.opensolaris.os.dtrace.*;
28 import java.util.NoSuchElementException;

30 /**
31  * Regression for 6426129 abort() after close() throws
32  * NoSuchElementException.
33  */
34 public class TestAbort {
35     static boolean aborted = false;

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

42         // Test for deadlock (bug 6419880)
43         try {
44             consumer.open();
45             consumer.compile("syscall:::entry { @[execname] = count(); } " +
46                 "tick-101ms { printa(@); }");
47             consumer.enable();
48             consumer.go();
49             try {
50                 Thread.sleep(1000);
51                 Thread.currentThread().sleep(1000);
52             } catch (InterruptedException e) {
53                 e.printStackTrace();
54                 System.exit(1);
55             }
56             consumer.close();
57         } catch (DTraceException e) {
58             e.printStackTrace();
59             System.exit(1);
60         }
61     }
62 }
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestAbort.java

2

```
59     }

61     consumer = new LocalConsumer();

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

92     consumer = new LocalConsumer();

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

119     consumer = new LocalConsumer();

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

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

unchanged_portion_omitted

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestClose.java

1

```
*****
2307 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestClose.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
```

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21
22 /*
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25  */
26 * ident      "%Z%M% %I%      %E% SMI"
27
28
29 import org.opensolaris.os.dtrace.*;
30
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();
39
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);
48                 Thread.currentThread().sleep(1000);
49             } catch (InterruptedException e) {
50                 e.printStackTrace();
51                 System.exit(1);
52             }
53             consumer.close();
54         } catch (DTraceException e) {
55             e.printStackTrace();
56             System.exit(1);
57         }
58
59         consumer = new LocalConsumer();
60
61         try {
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestClose.java

2

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

unchanged_portion_omitted

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestDrop.java

1

```
*****
4159 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestDrop.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
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22 /*
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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.*;

31 /**
32  * Regression test for 6521523 aggregation drops can hang the Java
33  * DTrace API.
34  */
35 public class TestDrop {
36     static final String PROGRAM =
37         "fbt:genunix::entry { @[execname, pid] = count(); }";

38     static AtomicLong consumerThreadID = new AtomicLong();
39     static AtomicLong getAggregateThreadID = new AtomicLong();
40     static AtomicBoolean done = new AtomicBoolean();
41     static int seconds;

42     private static void
43     startTimer()
44     {
45         if (seconds <= 0) {
46             return;
47         }

48         final Timer timer = new Timer();
49         timer.schedule(new TimerTask() {
50             public void run() {
51                 done.set(true);
52                 timer.cancel();
53             }
54         }, seconds * 1000L);
55     }

56     private static void
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestDrop.java

2

```
60     sampleAggregate(Consumer consumer) throws DTraceException
61     {
62         while (consumer.isRunning() && !done.get()) {
63             try {
64                 Thread.sleep(50);
65                 Thread.currentThread().sleep(50);
66             } catch (InterruptedException e) {
67             }
68             consumer.getAggregate(Collections.<String> emptySet());
69         }
70     }

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

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

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

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

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

123         final Consumer consumer = new LocalConsumer() {
124             protected Thread createThread() {
```

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

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

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

unchanged_portion_omitted

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestFunctionLookup.java

1

```
*****
3268 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestFunctionLookup.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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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(); }";

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

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

```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestFunctionLookup.java

2

```
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         consumer.close();
78     } catch (Exception e) {
79         e.printStackTrace();
80         System.exit(1);
81     }
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);
92     Thread.currentThread().sleep(500);
93     Aggregate a = consumer.getAggregate();
94     Number address;
95     String f;
96     for (Aggregation agg : a.getAggregations()) {
97         for (Tuple tuple : agg.asMap().keySet()) {
98             address = (Number)tuple.get(0).getValue();
99             if (address instanceof Integer) {
100                 int addr = (Integer)address;
101                 f = consumer.lookupUserFunction(pid, addr);
102             } else {
103                 long addr = (Long)address;
104                 f = consumer.lookupUserFunction(pid, addr);
105             }
106             System.out.println(f);
107         }
108     }
109     consumer.close();
110 } catch (Exception e) {
111     e.printStackTrace();
112     System.exit(1);
113 }
114 }
unchanged_portion_omitted
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStateMachine.java

1

```
*****
15005 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStateMachine.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
```

```
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21
22 /*
23  * Copyright 2006 Sun Microsystems, Inc. All rights reserved.
24  * Use is subject to license terms.
25  */
26 * ident      "%Z%M% %I%      %E% SMI"
27
28 import org.opensolaris.os.dtrace.*;
29
30 /**
31  * Regression test for the LocalConsumer state machine. Calls Consumer
32  * methods before and after open(), compile(), enable(), go(), stop(),
33  * and close() to verify that the calls succeed as expected or fail with
34  * the expected Java exception.
35  */
36 public class TestStateMachine {
37     static Program program;
38
39     static void
40     exit(int status)
41     {
42         exit(status, null);
43     }
44
45     static void
46     exit(int status, String msg)
47     {
48         if (msg != null) {
49             System.out.println(msg);
50         }
51         System.out.flush();
52         System.err.flush();
53         System.exit(status);
54     }
55
56     static void
57     printState(Consumer consumer)
58     {
59         System.out.println("open: " + consumer.isOpen());
60         System.out.println("enabled: " + consumer.isEnabled());
61     }
62 }
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStateMachine.java

2

```
60     System.out.println("closed: " + consumer.isClosed());
61 }
62
63 static void
64 beforeOpen(Consumer consumer)
65 {
66     System.out.println("before open");
67     printState(consumer);
68
69     // compile
70     try {
71         consumer.compile("syscall::entry");
72         exit(1, "compile before open");
73     } catch (IllegalStateException e) {
74         System.out.println(e);
75     } catch (Exception e) {
76         e.printStackTrace();
77         exit(1, "compile before open");
78     }
79
80     // enable
81     try {
82         consumer.enable();
83         exit(1, "enable before open");
84     } catch (IllegalStateException e) {
85         System.out.println(e);
86     } catch (Exception e) {
87         e.printStackTrace();
88         exit(1, "enable before open");
89     }
90
91     // getOption, setOption, unsetOption
92     try {
93         consumer.getOption(Option.bufsize);
94         exit(1, "getOption before open");
95     } catch (IllegalStateException e) {
96         System.out.println(e);
97     } catch (Exception e) {
98         e.printStackTrace();
99         exit(1, "getOption before open");
100    }
101    try {
102        consumer.setOption(Option.bufsize, Option.mb(1));
103        exit(1, "setOption before open");
104    } catch (IllegalStateException e) {
105        System.out.println(e);
106    } catch (Exception e) {
107        e.printStackTrace();
108        exit(1, "setOption before open");
109    }
110    try {
111        consumer.unsetOption(Option.quiet);
112        exit(1, "unsetOption before open");
113    } catch (IllegalStateException e) {
114        System.out.println(e);
115    } catch (Exception e) {
116        e.printStackTrace();
117        exit(1, "unsetOption before open");
118    }
119
120    // createProcess, grabProcess
121    try {
122        consumer.createProcess("date");
123        exit(1, "createProcess before open");
124    } catch (IllegalStateException e) {
125        System.out.println(e);
126    }
127 }
```

```

126     } catch (Exception e) {
127         e.printStackTrace();
128         exit(1, "createProcess before open");
129     }
130     try {
131         consumer.grabProcess(1);
132         exit(1, "grabProcess before open");
133     } catch (IllegalStateException e) {
134         System.out.println(e);
135     } catch (Exception e) {
136         e.printStackTrace();
137         exit(1, "grabProcess before open");
138     }
139
140     // listProbes
141     try {
142         consumer.listProbes(ProbeDescription.EMPTY);
143         exit(1, "listProbes before open");
144     } catch (IllegalStateException e) {
145         System.out.println(e);
146     } catch (Exception e) {
147         e.printStackTrace();
148         exit(1, "listProbes before open");
149     }
150
151     // getAggregate
152     try {
153         consumer.getAggregate();
154         exit(1, "getAggregate before open");
155     } catch (IllegalStateException e) {
156         System.out.println(e);
157     } catch (Exception e) {
158         e.printStackTrace();
159         exit(1, "getAggregate before open");
160     }
161
162     // getVersion
163     try {
164         consumer.getVersion(); // allowed
165     } catch (Exception e) {
166         e.printStackTrace();
167         exit(1, "getVersion before open");
168     }
169 }
170
171 static void
172 beforeCompile(Consumer consumer)
173 {
174     System.out.println("before compile");
175     printState(consumer);
176
177     // open
178     try {
179         consumer.open();
180         exit(1, "open after open");
181     } catch (IllegalStateException e) {
182         System.out.println(e);
183     } catch (Exception e) {
184         e.printStackTrace();
185         exit(1, "open after open");
186     }
187
188     // enable
189     try {
190         consumer.enable();
191         exit(1, "enable before compile");

```

```

192     } catch (IllegalStateException e) {
193         System.out.println(e);
194     } catch (Exception e) {
195         e.printStackTrace();
196         exit(1, "enable before compile");
197     }
198 }
199
200 static void
201 beforeEnable(Consumer consumer)
202 {
203     System.out.println("before enable");
204     printState(consumer);
205
206     // go
207     try {
208         consumer.go();
209         exit(1, "go before enable");
210     } catch (IllegalStateException e) {
211         System.out.println(e);
212     } catch (Exception e) {
213         e.printStackTrace();
214         exit(1, "go before enable");
215     }
216 }
217
218 static void
219 beforeGo(Consumer consumer)
220 {
221     System.out.println("before go");
222     printState(consumer);
223
224     // getAggregate
225     try {
226         consumer.getAggregate();
227         exit(1, "getAggregate before go");
228     } catch (IllegalStateException e) {
229         System.out.println(e);
230     } catch (Exception e) {
231         e.printStackTrace();
232         exit(1, "getAggregate before go");
233     }
234
235     // lookupKernelFunction, lookupUserFunction
236     try {
237         consumer.lookupKernelFunction(1);
238         exit(1, "lookupKernelFunction before go");
239     } catch (IllegalStateException e) {
240         System.out.println(e);
241     } catch (Exception e) {
242         e.printStackTrace();
243         exit(1, "lookupKernelFunction before go");
244     }
245     try {
246         consumer.lookupUserFunction(1, 1);
247         exit(1, "lookupUserFunction before go");
248     } catch (IllegalStateException e) {
249         System.out.println(e);
250     } catch (Exception e) {
251         e.printStackTrace();
252         exit(1, "lookupUserFunction before go");
253     }
254
255     // stop
256     try {
257         consumer.stop();

```

```

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

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

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

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

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

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

```

```

324     }

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

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

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

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

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

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

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

389     // getProgramInfo

```

```

390     try {
391         consumer.getProgramInfo(program);
392     } catch (Exception e) {
393         e.printStackTrace();
394         exit(1, "getProgramInfo after stop");
395     }
396
397     // getOption, setOption, unsetOption
398     try {
399         consumer.getOption(Option.quiet);
400         consumer.setOption(Option.quiet);
401         consumer.unsetOption(Option.quiet);
402     } catch (Exception e) {
403         e.printStackTrace();
404         exit(1, "get, set, unset option after stop");
405     }
406 }
407
408 static void
409 afterClose(Consumer consumer, Program program)
410 {
411     System.out.println("after close");
412     printState(consumer);
413
414     // open
415     try {
416         consumer.open();
417         exit(1, "open after close");
418     } catch (IllegalStateException e) {
419         System.out.println(e);
420     } catch (Exception e) {
421         e.printStackTrace();
422         exit(1, "open after close");
423     }
424
425     // compile
426     try {
427         consumer.compile("syscall::entry");
428         exit(1, "compile after close");
429     } catch (IllegalStateException e) {
430         System.out.println(e);
431     } catch (Exception e) {
432         e.printStackTrace();
433         exit(1, "compile after close");
434     }
435
436     // enable
437     try {
438         consumer.enable();
439         exit(1, "enable after close");
440     } catch (IllegalStateException e) {
441         System.out.println(e);
442     } catch (Exception e) {
443         e.printStackTrace();
444         exit(1, "enable after close");
445     }
446
447     // getOption, setOption, unsetOption
448     try {
449         consumer.getOption(Option.bufsize);
450         exit(1, "getOption after close");
451     } catch (IllegalStateException e) {
452         System.out.println(e);
453     } catch (Exception e) {
454         e.printStackTrace();
455         exit(1, "getOption after close");

```

```

456     }
457     try {
458         consumer.setOption(Option.bufsize, Option.mb(1));
459         exit(1, "setOption after close");
460     } catch (IllegalStateException e) {
461         System.out.println(e);
462     } catch (Exception e) {
463         e.printStackTrace();
464         exit(1, "setOption after close");
465     }
466     try {
467         consumer.unsetOption(Option.quiet);
468         exit(1, "unsetOption after close");
469     } catch (IllegalStateException e) {
470         System.out.println(e);
471     } catch (Exception e) {
472         e.printStackTrace();
473         exit(1, "unsetOption after close");
474     }
475
476     // createProcess, grabProcess
477     try {
478         consumer.createProcess("date");
479         exit(1, "createProcess after close");
480     } catch (IllegalStateException e) {
481         System.out.println(e);
482     } catch (Exception e) {
483         e.printStackTrace();
484         exit(1, "createProcess after close");
485     }
486     try {
487         consumer.grabProcess(1);
488         exit(1, "grabProcess after close");
489     } catch (IllegalStateException e) {
490         System.out.println(e);
491     } catch (Exception e) {
492         e.printStackTrace();
493         exit(1, "grabProcess after close");
494     }
495
496     // listProbes
497     try {
498         consumer.listProbes(ProbeDescription.EMPTY);
499         exit(1, "listProbes after close");
500     } catch (IllegalStateException e) {
501         System.out.println(e);
502     } catch (Exception e) {
503         e.printStackTrace();
504         exit(1, "listProbes after close");
505     }
506
507     // getAggregate
508     try {
509         consumer.getAggregate();
510         exit(1, "getAggregate after close");
511     } catch (IllegalStateException e) {
512         System.out.println(e);
513     } catch (Exception e) {
514         e.printStackTrace();
515         exit(1, "getAggregate after close");
516     }
517
518     // getVersion
519     try {
520         consumer.getVersion(); // allowed
521     } catch (Exception e) {

```

```

522         e.printStackTrace();
523         exit(1, "getVersion after close");
524     }

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

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

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

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

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

```

```

588         afterGo(consumer, program);
589     }
590     public void consumerStopped(ConsumerEvent e) {
591         System.out.println("consumerStopped, running: " +
592             consumer.isRunning());
593     }
594 }

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

```

unchanged_portion_omitted

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStopLock.java

1

```
*****
1821 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStopLock.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
```

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

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

29 /**
30  * Test for bug 6399888 stop() hangs if ConsumerListener calls
31  * synchronized Consumer method
32  */
33 public class TestStopLock {
34     public static void
35     main(String[] args)
36     {
37         final Consumer consumer = new LocalConsumer();
38         consumer.addConsumerListener(new ConsumerAdapter() {
39             @Override
40             public void intervalBegan(ConsumerEvent e) {
41                 consumer.isRunning();
42             }
43         });

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(500);
53             } catch (InterruptedException e) {
54                 e.printStackTrace();
55                 System.exit(1);
56             }
57             consumer.stop();
58             consumer.close();
59         }
```

new/usr/src/cmd/dtrace/test/tst/common/java_api/src/TestStopLock.java

2

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

unchanged_portion_omitted

new/usr/src/cmd/krb5/kadmin/gui/Makefile

1

```
*****
4881 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/krb5/kadmin/gui/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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 2005 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 # ident "%Z%M% %I% %E% SMI"
27 #

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

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

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

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

40 CLASSES=$(TOGETHER) $(OTHER)
41 JFILES=$(CLASSES:%=.java)
42 CLFILES=$(CLASSES:%=class)

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

50 NONEXFILEMODE=444

52 #
53 # Set $KRB5GUILIB
54 #
55 KRB5GUILIB= $(ROOT)/usr/lib/krb5

57 $(KRB5GUILIB)/$(JARFILE) := FILEMODE= 444
58 $(KRB5GUILIB)/$(VISLIB) := FILEMODE= 444
```

new/usr/src/cmd/krb5/kadmin/gui/Makefile

2

```
59 $(KRB5GUILIB)/$(HTML) := FILEMODE= 444

61 $(KRB5GUILIB)/%: %
62 $(INS.file)

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

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

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

70 classdir/%.class: %.java
71 $(JAVAC) $(JAVAFLAGS) -d classdir -classpath $(CLASSPATH) $<

73 SUBDIRS= util dataclasses dchanger native
74 VISDIR= visualrt

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

88 .KEEP_STATE:

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

92 all_local: $(TOGETHERC) $(OTHERC) $(KRB5SBIN)/$(GKADMIN) \
93 $(KRB5GUILIB)/$(JARFILE) $(KRB5GUILIB)/$(VISLIB) \
94 $(KRB5GUILIB)/$(HTML)

96 $(TOGETHERC): $(TOGETHERJ) $(VISLIB)
97 $(JAVAC) $(JAVAFLAGS) -d classdir -classpath $(CLASSPATH) $(TOGETHERJ)

99 $(VISLIB):
100 cd $(VISDIR); $(MAKE) CLASSPATH=$(VISRT_CLASSPATH) install

102 $(GKADMIN): $(GKADMIN).template
103 cat $? | sed -e 's/version_number/$(SEAM_VERS)/' > $@

105 classdir: FRC
106 mkdir -p classdir

108 $(VISDIR): FRC
109 cd $@; $(MAKE) CLASSPATH=$(VISRT_CLASSPATH) $(TARGET)

111 $(SUBDIRS): FRC
112 cd $@; $(MAKE) CLASSPATH=$(CLASSPATH) $(TARGET)

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

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

120 $(JARFILE): classdir/*.class
121 -$(RM) $(JARFILE)
122 (cd classdir; $(JAR) cf ../$(JARFILE) *.class)

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

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

128 lint:  native

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

135 install_local: all_local

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

139 $(MSGBUNDLEDIR)/GuiResource.java $(MSGBUNDLEDIR)/HelpData.java:= FILEMODE = 444

141 $(MSGBUNDLEDIR)/%: %
142     $(INS.file)

144 $(MSGBUNDLEDIR):
145     $(INS.dir)

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

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

161 echo:
162     @echo $(CLASSES)
163     @echo $(JFILES)
164     @echo $(CLFILES)
165     @echo $(SUFFIXES)

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

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

173 clobber_local: clean_local

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

178 FRC:
```

new/usr/src/cmd/krb5/kadmin/gui/dataclasses/Makefile

1

```
*****
1753 Mon Apr 13 11:10:49 2015
new/usr/src/cmd/krb5/kadmin/gui/dataclasses/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
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 #

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

32 JAVAFLAGS= -nowarn -O

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

33 CLASSES= PrintUtil Krb5Conf Filter Principallist PolicyList Principal Policy Fla

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

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

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

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

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

46 all: $(CLFILES)

48 install: all

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

56 clobber : clobber_local

58 clean: clean_local
```

new/usr/src/cmd/krb5/kadmin/gui/dataclasses/Makefile

2

```
60 clobber_local: clean_local

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

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DCPanel.java

1

```
*****
8422 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/dchanger/DCPanel.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
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  * ident      "%Z%M% %I%      %E% SMI"
24  *
25  * Copyright (c) 1999-2000 by Sun Microsystems, Inc.
26  * All rights reserved.
27  */
28
29 import java.awt.*;
30 import java.awt.event.*;
31
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 buttons 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  */
46
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. Therefore, 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.
53
54 public class DCPanel extends Panel {
55
56     private Button plusButton;
57     private Button minusButton;
58
59     private DCListener listener = null;
60
61     private Timer bigTimer;
62
63     private Timer smallTimer;
64
65     private boolean incrementFlag;
66
67     public DCPanel() {
68
69         setLayout(new GridLayout(1, 2));
70
71         bigTimer = new BigTimer();
72         smallTimer = new SmallTimer();
73
74         bigTimer.start();
75         smallTimer.start();
76
77         plusButton = new DCButton("+");
78         minusButton = new DCButton("-");
79
80         add(plusButton);
81         add(minusButton);
82     }
83
84     /**
85      * Ensures that this component is not brought into focus by
86      * tabbing. This prevents the tab focus from moving in here instead
87      * of going to a text field.
88      * @return false always.
89      */
90     public boolean isFocusable() {
91         public boolean isFocusTraversable() {
92             return false;
93         }
94     }
95
96     /**
97      * Sets the listener for this tab.
98      * @param listener the DCListener that needs to be notified when the
99      * buttons on this panel are pressed.
100     * @return the old listener
101     */
102     public DCListener setListener(DCListener listener) {
103         DCListener oldListener = this.listener;
104         this.listener = listener;
105         return oldListener;
106     }
107
108     /**
109      * Removes the listener when it no longer need to be notified.
110      * @return the old listener
111     */
112     public DCListener removeListener() {
113         return setListener(null);
114     }
115
116     /**
117      * Kicks the times into action. Is called when a button is pressed.
118     */
119     private void startAction() {
120         bigTimer.request();
121     }
122
123     /**
124      * Stops the timers. Is called when a button is released.
125     */
126 }
```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DCPanel.java

2

```
60     private Timer smallTimer;
61
62     private static int BIG_SLEEP_TIME = 1000;
63     private static int SMALL_SLEEP_TIME = 100;
64
65     private boolean incrementFlag;
66
67     public DCPanel() {
68
69         setLayout(new GridLayout(1, 2));
70
71         bigTimer = new BigTimer();
72         smallTimer = new SmallTimer();
73
74         bigTimer.start();
75         smallTimer.start();
76
77         plusButton = new DCButton("+");
78         minusButton = new DCButton("-");
79
80         add(plusButton);
81         add(minusButton);
82     }
83
84     /**
85      * Ensures that this component is not brought into focus by
86      * tabbing. This prevents the tab focus from moving in here instead
87      * of going to a text field.
88      * @return false always.
89      */
90     public boolean isFocusable() {
91         public boolean isFocusTraversable() {
92             return false;
93         }
94     }
95
96     /**
97      * Sets the listener for this tab.
98      * @param listener the DCListener that needs to be notified when the
99      * buttons on this panel are pressed.
100     * @return the old listener
101     */
102     public DCListener setListener(DCListener listener) {
103         DCListener oldListener = this.listener;
104         this.listener = listener;
105         return oldListener;
106     }
107
108     /**
109      * Removes the listener when it no longer need to be notified.
110      * @return the old listener
111     */
112     public DCListener removeListener() {
113         return setListener(null);
114     }
115
116     /**
117      * Kicks the times into action. Is called when a button is pressed.
118     */
119     private void startAction() {
120         bigTimer.request();
121     }
122
123     /**
124      * Stops the timers. Is called when a button is released.
125     */
126 }
```

```

125     private void stopAction() {
126         smallTimer.cancel();
127         bigTimer.cancel();
128     }

130     /**
131      * Notifies the listener about whether to increment or decrement and
132      * by how much.
133      * @param bigFlag true if the listener needs to increment/decrement
134      * by a large amount, false otherwise.
135      */
136     private void informListener(boolean bigFlag) {
137         // System.out.println("DCPanel.informListener: " + bigFlag);

139         if (listener != null) {

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

155         }

157     } // informListener

160     // *****
161     // INNER CLASSES FOLLOW
162     // *****

164     /**
165      * A timer class since java does not have one.
166      */
167     private abstract class Timer extends Thread {
168         private boolean running = false;

170     /**
171      * Sleeps till the timer's services are requested using wait() and
172      * notify(). Then it does its task and goes back to sleep. And
173      * loops forever like this.
174      */
175     public void run() {
176         while (true) {
177             try {
178                 synchronized (this) {
179                     running = false;
180                     // Wait till the timer is required
181                     wait();
182                     running = true;
183                 }
184                 doTask();
185             } catch (InterruptedException e) {}
186         } // while loop
187     } // run method

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

```

```

191     /**
192      * Wakes up the timer.
193      */
194     public synchronized void request() {
195         notify();
196     }

198     /**
199      * Cancels the timer if it is running.
200      */
201     public void cancel() {
202         if (running) {
203             interrupt();
204         }
205     }

207 } // class Timer

209     /**
210      * The first stage of timer - is a longer timer. Wait to see if the
211      * user really wants to amek the increments/decrements go by fast.
212      */
213     private class BigTimer extends Timer {

215     /**
216      * Sleep for the long amount of time. Then inform the listener
217      * to have a bigIncrement/bigDecrement. After that, your job is
218      * done, schedule the smaller (faster) timer from this point on.
219      */
220     protected void doTask() {
221         try {
222             sleep(BIG_SLEEP_TIME);
223             informListener(true);
224             smallTimer.request();
225         } catch (InterruptedException e) {
226             informListener(false);
227         }
228     }

230 } // class BigTimer

233     /**
234      * The second stage of timers. This timer keeps rescheduling itself
235      * everytime it wakes up. In between this, it sends a notification
236      * to the listener to do a big Increment/Decrement.
237      */
238     private class SmallTimer extends Timer {

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

250 } // class SmallTimer

252     /**
253      * A mouse listener to detect when a button has been
254      * pressed/released. One instance of this is bound to the plus
255      * button and the other instance to the minus button.
256      */

```

```
257 private class DCMouseListener extends MouseAdapter {
258     private boolean plusOrMinus;

260     /**
261      * Constructor for DCMouseListener.
262      * @param plusOrMinus true if this is a listener for the plus
263      * button, false if it is for the minus button.
264      */
265     public DCMouseListener(boolean plusOrMinus) {
266         this.plusOrMinus = plusOrMinus;
267     }

269     /**
270      * Kicks in when the mouse is pressed.
271      */
272     public void mousePressed(MouseEvent e) {
273         incrementFlag = plusOrMinus;
274         DCPanel.this.startAction();
275     }

277     /**
278      * Kicks in when the mouse is released.
279      */
280     public void mouseReleased(MouseEvent e) {
281         incrementFlag = plusOrMinus;
282         DCPanel.this.stopAction();
283     }
284 }

286 /**
287  * The button used by this DCPanel.
288  */
289 private class DCButton extends Button {
290     public DCButton(String text) {
291         super(text);
292         if (text.equals("+"))
293             addMouseListener(new DCMouseListener(true));
294         else
295             addMouseListener(new DCMouseListener(false));
296     }

298     /**
299      * Make the button non-focus traversable so that it cannot be
300      * tabbed in to.
301      */
302     public boolean isFocusable() {
303         public boolean isFocusTraversable() {
304             return false;
305         }
306     } // DCButton

309     /**
310      * Test method for DCPanel class to see appearance.
311      */
312     public static void main(String args[]) {
313         Frame f = new Frame("Testing DCPanel");
314         f.add(new DCPanel());
315         f.setBounds(new Rectangle(100, 100, 100, 100));
316         f.setVisible(true);
317     }

319 }
```

unchanged portion omitted

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DateTimeDialog.java

1

```
*****
15264 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/dchanger/DateTimeDialog.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
```

```
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 * ident      "%Z%M% %I%      %E% SMI"
24 *
25 * Copyright (c) 1999-2000 by Sun Microsystems, Inc.
26 * All rights reserved.
27 */
27 import java.awt.*;
28 import java.awt.event.*;
29 import java.text.*;
30 import java.util.*;
31
32 /**
33 * This class creates a dialog box that helps the user enter date and
34 * time with mouse clicks. The dialog box need only be created
35 * once. The Ok and Cancel buttons merely call setVisible with an
36 * argument of false.
37 */
38
39 // The layout will consist of 3 panels: topPanel contains the
40 // different labels and fields. middlePanel contains the buttons
41 // midnight and now. bottomPanel contains the buttons ok, cancel and
42 // help. The last two panels are separated by a LineSeparator.
43
44 public class DateTimeDialog extends Dialog {
45
46     private boolean save;
47
48     private Frame parent;
49
50     private DCPanel dateDCPanel;
51     private DCPanel yearDCPanel;
52     private DCPanel hourDCPanel;
53     private DCPanel minuteDCPanel;
54     private DCPanel secondDCPanel;
55
56     private Choice month;
57
58     private DCCircularTextField date;
59     private DCCircularTextField hour;
```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DateTimeDialog.java

2

```
60     private DCCircularTextField second;
61     private DCCircularTextField minute;
62     private DCTextField year;
63
64     private Button ok;
65     private Button cancel;
66     private Button help;
67     private Button now;
68     private Button midnight;
69
70     private HelpDialog hd = null;
71
72     private Panel topPanel;
73     private Panel middlePanel;
74     private Panel bottomPanel;
75
76     private GregorianCalendar calendar = null;
77     private static int MONTH_LEN[] = {31, 28, 31, 30, 31, 30, 31,
78                                         31, 30, 31, 30, 31};
79     private static DateFormat df =
80         DateFormat.getDateInstance(DateFormat.MEDIUM,
81                                     DateFormat.MEDIUM);
82     private static Toolkit toolkit = Toolkit.getDefaultToolkit();
83
84     // For I18N
85     private static ResourceBundle rb =
86         ResourceBundle.getBundle("GuiResource" /* NOI18N */);
87     private static ResourceBundle hrb =
88         ResourceBundle.getBundle("HelpData" /* NOI18N */);
89
90     /**
91     * Constructor that lays out the componeents and sets the different
92     * event handlers.
93     */
94     public DateTimeDialog(Frame parent, Color background, Color foreground) {
95         super(parent, getString("SEAM Date/Time Helper"), true);
96
97         this.parent = parent;
98
99         setLayout(new GridBagLayout());
100        addLabels();
101        addFields(background, foreground);
102        addDCPanels();
103        addButtons();
104        addFocusListeners();
105        setCurrentTime();
106        setSize(250, 300);
107        setResizable(false);
108
109        addWindowListener(new DCWindowListener());
110        // initializeFocusOnTextField();
111    }
112
113    /**
114    * Adds the labels only
115    */
116    private void addLabels() {
117
118        GridBagConstraints gbc = new GridBagConstraints();
119        gbc.weighty = 1;
120
121        topPanel = new Panel();
122        topPanel.setLayout(new GridBagLayout());
123        gbc.gridwidth = GridBagConstraints.REMAINDER;
124        gbc.fill = GridBagConstraints.BOTH;
125        gbc.anchor = GridBagConstraints.CENTER;
```

```

126     gbc.gridx = 0;
127     gbc.gridy = 0;
128     add(topPanel, gbc);

130     gbc.fill = GridBagConstraints.NONE;
131     gbc.anchor = GridBagConstraints.EAST;
132     gbc.gridx = 0;
133     gbc.gridwidth = 1;

135     gbc.gridy = 0;
136     topPanel.add(new Label(getString("Month")), gbc);

138     gbc.gridy = 1;
139     topPanel.add(new Label(getString("Date")), gbc);

141     gbc.gridy = 2;
142     topPanel.add(new Label(getString("Year")), gbc);

144     gbc.gridy = 3;
145     topPanel.add(new Label(getString("Hour")), gbc);

147     gbc.gridy = 4;
148     topPanel.add(new Label(getString("Minute")), gbc);

150     gbc.gridy = 5;
151     topPanel.add(new Label(getString("Second")), gbc);
152     }

154     /**
155      * Adds the fields that will store the month, year, date, hour,
156      * minute and second.
157      */
158     private void addFields(Color background, Color foreground) {

160         GridBagConstraints gbc = new GridBagConstraints();
161         gbc.weighty = 1;

163         month = new Choice();
164         initializeMonth();

166         date = new DCCircularTextField("1", 2);
167         date.setMinimum(1);
168         date.setBackground(background);
169         date.setForeground(foreground);

171         hour = new DCCircularTextField("00", 2);
172         hour.setMaximum(23);
173         hour.setBackground(background);
174         hour.setForeground(foreground);
175         minute = new DCCircularTextField("00", 2);
176         minute.setBackground(background);
177         minute.setForeground(foreground);
178         second = new DCCircularTextField("00", 2);
179         second.setBackground(background);
180         second.setForeground(foreground);

182         year = new DCTextField("2000", 4);
183         year.setBackground(background);
184         year.setForeground(foreground);

186         Panel tempPanel = new Panel();
187         tempPanel.add(month);
188         gbc.gridwidth = GridBagConstraints.REMAINDER;
189         gbc.fill = GridBagConstraints.HORIZONTAL;
190         gbc.anchor = GridBagConstraints.WEST;
191         gbc.gridx = 1;

```

```

192     gbc.gridy = 0;
193     topPanel.add(tempPanel, gbc);

196     // Remaining fields are in topPanel
197     gbc.gridwidth = 1;
198     gbc.fill = GridBagConstraints.NONE;
199     gbc.gridx = 1;

201     gbc.gridy = 1;
202     topPanel.add(date, gbc);

204     gbc.gridy = 2;
205     topPanel.add(year, gbc);

207     gbc.gridy = 3;
208     topPanel.add(hour, gbc);

210     gbc.gridy = 4;
211     topPanel.add(minute, gbc);

213     gbc.gridy = 5;
214     topPanel.add(second, gbc);

216     }

218     // Adds the panels with the +/- buttons for each DCField
219     private void addDCPanels() {

221         GridBagConstraints gbc = new GridBagConstraints();
222         gbc.weighty = 1;

224         gbc.gridx = 2;
225         gbc.gridwidth = GridBagConstraints.REMAINDER;
226         gbc.gridheight = 1;
227         gbc.fill = GridBagConstraints.NONE;

229         dateDCPanel = new DCPanel();
230         yearDCPanel = new DCPanel();
231         hourDCPanel = new DCPanel();
232         minuteDCPanel = new DCPanel();
233         secondDCPanel = new DCPanel();

235         gbc.gridy = 1;
236         topPanel.add(dateDCPanel, gbc);

238         gbc.gridy = GridBagConstraints.RELATIVE;
239         topPanel.add(yearDCPanel, gbc);
240         topPanel.add(hourDCPanel, gbc);
241         topPanel.add(minuteDCPanel, gbc);
242         topPanel.add(secondDCPanel, gbc);

244         dateDCPanel.setListener(date);
245         yearDCPanel.setListener(year);
246         hourDCPanel.setListener(hour);
247         minuteDCPanel.setListener(minute);
248         secondDCPanel.setListener(second);

250     }

253     /**
254      * Sets the strings in the month pull-down menu. Also adds a listener
255      * that will modify the maximum date allowed depending on the month.
256      */
257     private void initializeMonth() {

```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DateTimeDialog.java

5

```
258 DateFormatSymbols dfSymbols = new DateFormatSymbols();
259 String[] monthStrings = dfSymbols.getMonths();

261 month.removeAll();

263 for (int i = 0; i < monthStrings.length; i++) {
264     month.add(monthStrings[i]);
265 }

267 month.addItemListener(new DCMonthChangeListener());
268 }

270 // Adds all the buttons
271 private void addButtons() {

273     GridBagConstraints gbc = new GridBagConstraints();
274     gbc.weighty = 1;

277     middlePanel = new Panel();
278     now = new Button(getString("Now"));
279     midnight = new Button(getString("Midnight"));
280     middlePanel.add(midnight);
281     middlePanel.add(now);
282     gbc.fill = GridBagConstraints.HORIZONTAL;
283     gbc.gridwidth = GridBagConstraints.REMAINDER;
284     gbc.gridx = 0;
285     gbc.gridy = 1;
286     add(middlePanel, gbc);

288     gbc.gridwidth = GridBagConstraints.REMAINDER;
289     gbc.gridheight = 1;
290     gbc.fill = GridBagConstraints.BOTH;
291     gbc.gridx = 0;
292     gbc.gridy = 2;
293     add(new LineSeparator(), gbc);

295     bottomPanel = new Panel();
296     ok = new Button(getString("OK"));
297     cancel = new Button(getString("Cancel"));
298     help = new Button(getString("Help"));
299     bottomPanel.add(ok);
300     bottomPanel.add(cancel);
301     bottomPanel.add(help);
302     gbc.fill = GridBagConstraints.HORIZONTAL;
303     gbc.gridwidth = GridBagConstraints.REMAINDER;
304     gbc.gridx = 0;
305     gbc.gridy = 3;
306     add(bottomPanel, gbc);

308     DCButtonListener bl = new DCButtonListener();
309     ok.addActionListener(bl);
310     cancel.addActionListener(bl);
311     help.addActionListener(bl);
312     now.addActionListener(bl);
313     midnight.addActionListener(bl);

315 }

317 /**
318  * Adds a listener to all the text fields so that when they go out
319  * of focus (by tab or clicking), their values are checked for
320  * errors.
321  */
322 private void addFocusListeners() {
323     FocusListener fl = new DCFocusListener();
```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DateTimeDialog.java

6

```
324 date.addFocusListener(fl);
325 year.addFocusListener(fl);
326 hour.addFocusListener(fl);
327 minute.addFocusListener(fl);
328 second.addFocusListener(fl);
329 }

331 /**
332  * Closes (hides) the dialog box when the user is done
333  * @param save true if the box is being dismissed by clicking on
334  * "ok" and the user wants to retain the modified value, false
335  * otherwise.
336  */
337 private void dateTimeDialogClose(boolean save) {
338     if (save == true) {
339         if (!updateFromGui())
340             return;
341     }
342     this.save = save;
343     setVisible(false);
344 }

346 /**
347  * Checks to see if all text fields contain valid values.
348  * @return true if all are valid, false otherwise.
349  */
350 private boolean updateFromGui() {
351     return (checkErrorAndSet(date) && checkErrorAndSet(year) &&
352         checkErrorAndSet(hour) && checkErrorAndSet(minute) &&
353         checkErrorAndSet(second));
354 }

356 /**
357  * Checks the value stored as text in the field and sets its numeric
358  * value to that if it is legitimate.
359  * @return true if the value was legitimate and got set, false
360  * otherwise.
361  */
362 private boolean checkErrorAndSet(DCTextField tf) {
363     int i = 0;
364     boolean errorState = false;
365     try {
366         i = new Integer(tf.getText().trim()).intValue();
367         errorState = !tf.checkValue(i);
368     } catch (NumberFormatException e2) {
369         errorState = true;
370     }
371     if (errorState) {
372         tf.selectAll();
373         toolkit.beep();
374     }
375     else
376         tf.setValue(i);
377     return !errorState;
378 }

380 /**
381  * Checks if the user requested that the value in this
382  * DateTimeDialog be used e.g., by clicking on "Ok" instead of
383  * "Cancel."
384  * @return true if the user wants to save the value in the
385  * DateTimeDialog, false otherwise.
386  */

388 public boolean isSaved() {
389     return save;
```

```

390     }

392     /**
393     * Sets the date and time in fields to the current date and time.
394     */
395     public void setCurrentTime() {
396         setDate(new Date());
397     }

399     /**
400     * Sets the current date of the DateTimeDialog and updates the gui
401     * components to reflect that.
402     * @param date the Date to set it to.
403     */
404     public void setDate(Date newDate) {
405         calendar = new GregorianCalendar();
406         calendar.setTime(newDate);

408     // update gui components now

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

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

417     hour.setValue(calendar.get(Calendar.HOUR_OF_DAY));
418     minute.setValue(calendar.get(Calendar.MINUTE));
419     second.setValue(calendar.get(Calendar.SECOND));

421     }

423     /**
424     * Set the time fields to midnight, i.e., clears them.
425     */
426     private void setMidnight() {
427         hour.setValue(0);
428         minute.setValue(0);
429         second.setValue(0);
430     }

432     /**
433     * Make sure the date does not exceed the maximum allowable value
434     * for the currently selected month.
435     */
436     private void fixDateField() {
437         int monthIndex = month.getSelectedIndex();
438         int max = MONTH_LEN[monthIndex];
439         date.setMaximum(calendar.isLeapYear(year.getValue()) &&
440             monthIndex == 1 ? max + 1 : max);
441     }

443     // * *****
444     //   I N N E R   C L A S S E S   F O L L O W
445     // * *****

447     /**
448     * Listener for closing the dialog box through the window close
449     * menu.
450     */
451     private class DCWindowListener extends WindowAdapter {
452     public void windowClosing(WindowEvent e) {
453         dateTimeDialogClose(false);
454     }
455     }

```

```

457     /**
458     * Listener for any change in the month selected through the
459     * pull down menu
460     */
461     private class DCMonthChangeListener implements ItemListener {
462     public void itemStateChanged(ItemEvent e) {
463         fixDateField();
464     }
465     }

467     /**
468     * Listener for all the buttons. The listener is shared for the sake
469     * of reducing the number of overall listeners.
470     * TBD: I18N the help
471     */
472     private class DCButtonListener implements ActionListener {
473     public void actionPerformed(ActionEvent e) {
474         if (e.getSource() == ok) {
475             DateTimeDialog.this.dateTimeDialogClose(true);
476         }
477         else
478             if (e.getSource() == cancel) {
479                 DateTimeDialog.this.dateTimeDialogClose(false);
480             }
481         else
482             if (e.getSource() == now) {
483                 DateTimeDialog.this.setCurrentTime();
484             }
485         else
486             if (e.getSource() == midnight) {
487                 DateTimeDialog.this.setMidnight();
488             }
489         else
490             if (e.getSource() == help) {
491                 if (hd != null)
492                     hd.setVisible(true);
493                 hd.show();
494             }
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         } // actionPerformed

504     /**
505     * Listener for any change in focus with respect to the text
506     * fields. When a text field is going out of focus, it determines if the
507     * text value in it is valid. If not, it returns focus to that text
508     * field.
509     */
510     private class DCFocusListener extends FocusAdapter {

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

518     /**
519     * The string representation of the dialog box.
520     * @return a String which contains the date and time in locale

```

```

521     * default format, but to MEDIUM length formatting style.
522     */
523     public String toString() {
524         calendar = new GregorianCalendar(year.getValue(),
525                                         month.getSelectedIndex(),
526                                         date.getValue(),
527                                         hour.getValue(),
528                                         minute.getValue(),
529                                         second.getValue());
530         return df.format(calendar.getTime());
531     }
532
533     /**
534     * Call rb.getString(), but catch exception and return English
535     * key so that small spelling errors don't cripple the GUI
536     */
537     private static final String getString(String key) {
538         return (getString(rb, key));
539     }
540
541     private static final String getString(ResourceBundle rb, String key) {
542         try {
543             String res = rb.getString(key);
544             return res;
545         } catch (MissingResourceException e) {
546             System.out.println("Missing resource "+key+" using English.");
547             return key;
548         }
549     }
550
551     /* BEGIN JSTYLED */
552     /*
553     public static final void main(String args[]) {
554         Frame f = new Frame();
555         // while (true){
556             DateTimeDialog d = new DateTimeDialog(f, Color.white, Color.black);
557             d.setVisible(true);
558             System.out.println(d.toString());
559         // }
560     }
561     */
562     /* END JSTYLED */
563 }
564 }

```

unchanged_portion_omitted

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DurationHelper.java

1

```
*****
9159 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/dchanger/DurationHelper.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
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  * ident      "%Z%M% %I%      %E% SMI"
24  *
25  * Copyright (c) 1999-2000 by Sun Microsystems, Inc.
26  * All rights reserved.
27  */
27 import java.awt.*;
28 import java.awt.event.*;
29 import java.text.NumberFormat;
30 import java.util.ResourceBundle;
31 import java.util.MissingResourceException;
32
33 /**
34  * This creates a modal dialog box that lets the user enter a duration of
35  * time in seconds/minutes/hours/days/weeks/months/years.
36  */
37 public class DurationHelper extends Dialog {
38
39     private boolean save;
40
41     private Frame parent;
42
43     private Choice unit;
44     private TextField value;
45     private Label total;
46
47     private Button ok;
48     private Button cancel;
49     private Button help;
50     private Button compute;
51
52     private HelpDialog hd = null;
53
54     // For I18N
55     private static ResourceBundle rb =
56         ResourceBundle.getBundle("GuiResource" /* NOI18N */);
57     private static ResourceBundle hrb =
58         ResourceBundle.getBundle("HelpData" /* NOI18N */);
```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/DurationHelper.java

2

```
60     private static String[] units = { getString("Seconds"),
61                                       getString("Minutes"),
62                                       getString("Hours"),
63                                       getString("Days"),
64                                       getString("Weeks"),
65                                       getString("Months"),
66                                       getString("Years") };
67     private static int[] unitMultipliers = {1, 60, 60*60, 60*60*24,
68                                             60*60*24*7, 60*60*24*30,
69                                             60*60*24*365 };
70     private static NumberFormat nf = NumberFormat.getInstance();
71     private static Toolkit toolkit = Toolkit.getDefaultToolkit();
72
73     /**
74     * Constructor for DurationHelper.
75     * @param parent the parent Frame to whom input will be blocked
76     * while this dialog box is begin shown(modal behaviour).
77     */
78     public DurationHelper(Frame parent, Color background, Color foreground) {
79         super(parent, getString("SEAM Duration Helper"), true);
80
81         this.parent = parent;
82
83         setLayout(new GridBagLayout());
84         addLabels();
85         addFields(background, foreground);
86         addButtons();
87         setSize(350, 150);
88         setResizable(false);
89         addWindowListener(new DHWindowListener());
90     }
91
92     /**
93     * Adds all the labels.
94     */
95     private void addLabels() {
96         GridBagConstraints gbc = new GridBagConstraints();
97         gbc.weightx = gbc.weighty = 1;
98         add(new Label(getString("Unit")), gbc);
99         add(new Label(getString("Value")), gbc);
100
101         gbc.gridx = 3;
102         gbc.gridy = 0;
103         add(new Label(getString("Seconds")), gbc);
104     }
105
106     /**
107     * Initializes the strings for the units.
108     */
109     private void initUnits() {
110         unit = new Choice();
111         for (int i = 0; i < units.length; i++)
112             unit.add(units[i]);
113         unit.select(getString("Hours"));
114         unit.addItemListener(new ItemListener() {
115             public void itemStateChanged(ItemEvent e) {
116                 DurationHelper.this.checkErrorAndSetTotal();
117             }
118         });
119     }
120
121     /**
122     * Adds all the fields
123     */
124     private void addFields(Color background, Color foreground) {
125         GridBagConstraints gbc = new GridBagConstraints();
```

```

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

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

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

151     /**
152     * Adds all the buttons.
153     */
154     private void addButtons() {

156         GridBagConstraints gbc = new GridBagConstraints();
157         gbc.weightx = gbc.weighty = 1;

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

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

178         ActionListener bl = new ButtonListener();
179         ok.addActionListener(bl);
180         cancel.addActionListener(bl);
181         help.addActionListener(bl);

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

188         gbc = new GridBagConstraints();
189         gbc.gridx = 2;
190         gbc.gridy = 1;
191         compute = new Button(getString("="));

```

```

192         add(compute, gbc);
193         compute.addActionListener(bl);

195     }

197     /**
198     * Updates the label called total.
199     * @return false if the text entry in the value
200     * field is not parseable, true otherwise.
201     */
202     private boolean checkErrorAndSetTotal() {
203         try {
204             String noSpaces = value.getText().trim();
205             value.setText(noSpaces);
206             Long l = Long.valueOf(noSpaces);
207             total.setText(nf.format(l.longValue() *
208                                   unitMultipliers[unit.getSelectedIndex()]));
209         } catch (NumberFormatException e) {
210             value.requestFocus();
211             value.selectAll();
212             toolkit.beep();
213             return false;
214         }

216         return true;
217     }

219     /**
220     * Hides the duration helper.
221     * @param save true if the user wants to save the current value in
222     * the dialog box, false if it is to be discarded. This is decided
223     * based on whether the user clicked on the "Ok" button or the
224     * "Cancel" button. Choosing the window close menu is equivalent to
225     * clicking on "Cancel."
226     */
227     private void durationHelperClose(boolean save) {
228         if (save == true) {
229             if (!checkErrorAndSetTotal())
230                 return;
231         }
232         this.save = save;
233         setVisible(false);
234     }

236     /**
237     * Determine whether or not the user wanted to save the value in
238     * this Dialog box. The user indicates this by clicking on the Ok
239     * button to save it and on the Cancel button to discard it. Using the
240     * window close menu responds the same way as cancel.
241     * @return true if the user wanted to use this value,
242     * false if it is to be discarded.
243     */
244     public boolean isSaved() {
245         return save;
246     }

248     /**
249     * The string representation of the contents of this dialog box.
250     * @return a String with the total number of seconds entered.
251     */
252     public String toString() {
253         return total.getText();
254     }

256     // * *****
257     // INNER CLASSES FOLLOW

```

```

258 // * *****
260 /**
261  * Listener for closing the dialog box through the window close
262  * menu.
263  */
264 private class DHWindowListener extends WindowAdapter {
265     public void windowClosing(WindowEvent e) {
266         durationHelperClose(false);
267     }
268 }

270 /**
271  * Listener for all the buttons.
272  * The listener is shared for the sake
273  * of reducing the number of overall listeners.
274  */
275 private class ButtonListener implements ActionListener {
276     public void actionPerformed(ActionEvent e) {
277         if (e.getSource() == ok) {
278             DurationHelper.this.durationHelperClose(true);
279         } else if (e.getSource() == cancel) {
280             DurationHelper.this.durationHelperClose(false);
281         } else if (e.getSource() == help) {
282             if (hd != null)
283                 hd.setVisible(true);
284             else {
285                 hd = new HelpDialog(DurationHelper.this.parent,
286                     getString("Help for entering time duration"),
287                     false, 5, 45);
288                 hd.setVisible(true);
289                 hd.setText(getString(hrb, "DurationHelperHelp"));
290             }
291         } else if (e.getSource() == compute) {
292             checkErrorAndSetTotal();
293         }
294     }
295 }

297 /**
298  * Call rb.getString(), but catch exception
299  * and return English
300  * key so that small spelling errors don't cripple the GUI
301  */
302 private static final String getString(String key) {
303     return (getString(rb, key));
304 }

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

317 /**
318  * A main method to test this class.
319  */
320 /* BEGIN JSTYLED */
321 /*
322 public static void main(String args[]) {

```

```

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

```

unchanged_portion_omitted

new/usr/src/cmd/krb5/kadmin/gui/dchanger/EncListDialog.java

1

```
*****
7484 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/dchanger/EncListDialog.java
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
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  */
7
6 import java.awt.*;
7 import java.awt.event.*;
8 import java.text.*;
9 import java.util.*;
10
11 /*
12  * This class creates a dialog box that helps the user select encryption types
13  * with some mouse clicks. The dialog box need only be created
14  * once. The Ok and Cancel buttons merely call setVisible with an
15  * argument of false.
16  */
17
18 // The layout will consist of 2 panels:
19 // topPanel contains the dynamic list of encryption type check boxes.
20 // bottomPanel contains the buttons ok, clear, cancel, and help.
21 // The two panels are separated by a LineSeparator.
22
23 public class EncListDialog extends Dialog {
24
25     private boolean save;
26
27     private int i;
28
29     private Frame parent;
30
31     private Button ok;
32     private Button clear;
33     private Button cancel;
34     private Button help;
35
36     private HelpDialog hd = null;
37
38     private Panel topPanel;
39     private Panel bottomPanel;
40
41     private static Toolkit toolkit = Toolkit.getDefaultToolkit();
42
43     private Kadmin kadmin;
44     private Checkbox cb[];
45     private Integer grp_num[];
46     private String encList = "";
47
48     // For I18N
49     private static ResourceBundle rb =
50         ResourceBundle.getBundle("GuiResource" /* NOI18N */);
51     private static ResourceBundle hrb =
52         ResourceBundle.getBundle("HelpData" /* NOI18N */);
53
54     /*
55     * Constructor that lays out the components and sets the different
56     * event handlers.
57     */
58     public EncListDialog(Frame parent, Color background, Color foreground,
59         Kadmin session) {
```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/EncListDialog.java

2

```
60         super(parent, getString("SEAM Encryption Type List Helper"),
61             true);
62
63         this.parent = parent;
64
65         this.kadmin = session;
66
67         setLayout(new GridBagLayout());
68         addCheckboxes();
69
70         addButtons();
71         setSize(250, 300);
72         setResizable(true);
73
74         addWindowListener(new DCWindowListener());
75     }
76
77     /*
78     * Adds the check boxes only
79     */
80     private void addCheckboxes() {
81
82         GridBagConstraints gbc = new GridBagConstraints();
83
84         gbc.weighty = 1;
85
86         topPanel = new Panel();
87         topPanel.setLayout(new GridBagLayout());
88         gbc.gridwidth = GridBagConstraints.REMAINDER;
89         gbc.fill = GridBagConstraints.BOTH;
90         gbc.anchor = GridBagConstraints.CENTER;
91         gbc.gridx = 0;
92         gbc.gridy = 0;
93         add(topPanel, gbc);
94
95         gbc.fill = GridBagConstraints.NONE;
96         gbc.anchor = GridBagConstraints.WEST;
97         gbc.gridx = 0;
98         gbc.gridwidth = 1;
99
100        String et[] = kadmin.getEncList();
101
102        cb = new Checkbox[et.length];
103        grp_num = new Integer[et.length];
104
105        for (int i = 0; i < et.length; i++) {
106            String[] grp_enc = et[i].split(" ");
107            cb[i] = new Checkbox(grp_enc[1]);
108            CBListener cbl = new CBListener();
109            cb[i].addItemListener(cbl);
110            grp_num[i] = new Integer(grp_enc[0]);
111            gbc.gridy = i;
112            topPanel.add(cb[i], gbc);
113        }
114    }
115
116    // Adds all the buttons
117    private void addButtons() {
118
119        GridBagConstraints gbc = new GridBagConstraints();
120        gbc.weighty = 1;
121
122        gbc.gridwidth = GridBagConstraints.REMAINDER;
123        gbc.gridheight = 1;
124        gbc.fill = GridBagConstraints.BOTH;
125        gbc.gridx = 0;
```

```

126         gbc.gridy = 2;
127         add(new LineSeparator(), gbc);

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

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

151     /*
152     * Closes (hides) the dialog box when the user is done
153     * @param save true if the box is being dismissed by clicking on
154     * "ok" and the user wants to retain the modified value, false
155     * otherwise.
156     */
157     private void encListDialogClose(boolean save) {
158         this.save = save;
159         setVisible(false);
160     }

162     /*
163     * Checks if the user requested that the value in this
164     * EncListDialog be used e.g., by clicking on "Ok" instead of
165     * "Cancel."
166     * @return true if the user wants to save the value in the
167     * EncListDialog, false otherwise.
168     */

170     public boolean isSaved() {
171         return save;
172     }
173     /*
174     * Sets the current enc list for the principal during modification.
175     * @param enc types of current principal.
176     */
177     public void setEncTypes(String e_str) {
178         if (e_str.compareTo("") == 0)
179             return;
180
182         String[] e_list = e_str.split(" ");
183
184         for (int i = 0; i < e_list.length; i++) {
185             for (int j = 0; j < cb.length; j++) {
186                 if (cb[j].getLabel().compareTo(e_list[i])
187                     == 0) {
188                     cb[j].setState(true);
189                     break;
190                 }
191             }

```

```

192     }
193 }

195 // *****
196 //      I N N E R      C L A S S E S      F O L L O W
197 // *****

199 /*
200  * Listener for an annoying work around in deselection of a check box
201  * in case the user doesn't want any items in a grouped list.
202  */
203 private class CBLListener implements ItemListener {

205         public void itemStateChanged(ItemEvent e) {
206             Checkbox c = (Checkbox) e.getItemSelectable();

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

228     /*
229     * Listener for closing the dialog box through the window close
230     * menu.
231     */
232     private class DCWindowListener extends WindowAdapter {

234         public void windowClosing(WindowEvent e) {
235             encListDialogClose(false);
236         }
237     }

239     /*
240     * Listener for all the buttons. The listener is shared for the sake
241     * of reducing the number of overall listeners.
242     * TBD: I18N the help
243     */
244     private class DCButtonListener implements ActionListener {

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

```

```
259         hd.show();
258     else {
259         hd = new HelpDialog(
260             EncListDialog.this.parent,
261             getString(
262                 "Help for Encryption Type Dialog"),
263             false);
264         hd.setVisible(true);
265         hd.setText(getString(hrb,
266             "EncryptionTypeDialogHelp"));
267     }
268 }
269 } // actionPerformed
270
271
272 /*
273  * The string representation of the dialog box.
274  * @return a String which contains the encryption type list
275  */
276 public String toString() {
277     for (int i = 0; i < cb.length; i++) {
278         if (cb[i].getState() == true)
279             encList = encList.concat(cb[i].getLabel() +
280                 " ");
281     }
282     return encList;
283 }
284
285 /*
286  * Call rb.getString(), but catch exception and return English
287  * key so that small spelling errors don't cripple the GUI
288  */
289 private static final String getString(String key) {
290     return (getString(rb, key));
291 }
292
293 private static final String getString(ResourceBundle rb, String key) {
294     try {
295         String res = rb.getString(key);
296         return res;
297     } catch (MissingResourceException e) {
298         System.out.println("Missing resource "+key+
299             ", using English.");
300         return key;
301     }
302 }
303 }
304 }
```

unchanged_portion_omitted

new/usr/src/cmd/krb5/kadmin/gui/dchanger/Makefile

1

```
*****
1801 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/dchanger/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
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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"

26 include ../../../../Makefile.master
27 include ../../../../Makefile.cmd

30 JAVAFLAGS= -nowarn -O

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

32 CLASSES=DCPanel DCListener DCTextField DCCircularTextField DateTimeDialog \
33 DurationHelper LineSeparator EnclListDialog

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

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

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

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

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

46 all: $(CLFILES)

48 install: all

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

56 clobber : clobber_local

58 clean: clean_local
```

new/usr/src/cmd/krb5/kadmin/gui/dchanger/Makefile

2

```
60 clobber_local: clean_local

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

66 FRC:
```

new/usr/src/cmd/krb5/kadmin/gui/native/Makefile

1

```
*****
1875 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/native/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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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 #

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

31 SUBDIRS=      $(MACH)

33 all :=        TARGET= all
34 clean :=      TARGET= clean
35 clobber :=    TARGET= clobber
36 install :=    TARGET= install
37 lint :=       TARGET= lint

41 JAVAFLAGS= -nowarn -O

40 CLASSES=Kadmin

42 JFILES=$(CLASSES:%=%.java)
43 CLFILES=$(CLASSES:%=../classdir/%.class)

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

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

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

53 .KEEP_STATE:

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

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

new/usr/src/cmd/krb5/kadmin/gui/native/Makefile

2

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

64 clean clobber: $(SUBDIRS)

66 $(MACH): FRC
67     @cd $@; pwd; $(MAKE) $(TARGET)

69 FRC:
```

new/usr/src/cmd/krb5/kadmin/gui/util/Makefile

1

```
*****
1688 Mon Apr 13 11:10:50 2015
new/usr/src/cmd/krb5/kadmin/gui/util/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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22 #
23 # Copyright (c) 1999-2001 by Sun Microsystems, Inc.
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25 #
26 # ident "%Z%M% %I% %E% SMI"
27 #

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

32 JAVAFLAGS= -nowarn -O

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

33 CLASSES=HelpDialog ContextHelp ChoiceDialog

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

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

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

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

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

46 all: $(CLFILES)

48 install: all

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

56 clobber : clobber_local

58 clean: clean_local
```

new/usr/src/cmd/krb5/kadmin/gui/util/Makefile

2

```
60 clobber_local: clean_local

62 clean_local:
63 $(RM) $(CLFILES)

65 FRC:
```

new/usr/src/cmd/krb5/kadmin/gui/visualrt/Makefile

1

1584 Mon Apr 13 11:10:51 2015

new/usr/src/cmd/krb5/kadmin/gui/visualrt/Makefile

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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

27 include $(SRC)/Makefile.master

29 def := TARGET= def
30 all := TARGET= all
31 install := TARGET= install
32 install_h := TARGET= install_h
33 clean := TARGET= clean
34 clobber := TARGET= clobber
35 check := TARGET= check

37 .KEEP_STATE:

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

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

45 install: all
46 $(JAR) cvf ../visualrt.jar ./sunsoft/jws/visual/rt/*/*.class ./sunsoft/j
```

new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile

1

1760 Mon Apr 13 11:10:51 2015
new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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

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

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 lint         :=      TARGET= lint
38 javadoc      :=      TARGET= javadoc
39 clean.lint   :=      TARGET= clean.lint
40 check        :=      TARGET= check
41 _msg         :=      TARGET= _msg

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

45 SUBDIRS=props base type shadow awt encoding

47 $(SUBDIRS):
48     cd $@; $(MAKE) CLASSPATH=$(CLASSPATH) $(TARGET)

50 .KEEP_STATE:

52 all: $(SUBDIRS)

54 clean: $(SUBDIRS)

56 clobber: $(SUBDIRS)

58 install: all
```

new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile

2

60 javadoc: \$(SUBDIRS)

62 _msg: \$(SUBDIRS)

new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile.com

1

1088 Mon Apr 13 11:10:51 2015

new/usr/src/cmd/krb5/kadmin/gui/visualrt/sunsoft/jws/visual/rt/Makefile.com

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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

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

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

new/usr/src/cmd/pools/poold/com/sun/solaris/domain/pools/Makefile

1

1536 Mon Apr 13 11:10:51 2015

new/usr/src/cmd/pools/poold/com/sun/solaris/domain/pools/Makefile

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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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

1331 Mon Apr 13 11:10:51 2015
new/usr/src/cmd/pools/poold/com/sun/solaris/service/exception/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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23 # Copyright 2003 Sun Microsystems, Inc. All rights reserved.
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25 #
26 #ident "%Z%M% %I% %E% SMI"
27 #
28 # cmd/pools/poold/com/sun/solaris/service/exception/Makefile
29
30 include $(SRC)/cmd/Makefile.cmd
31
32 CLASSPATH = $(SRC)/cmd/pools/poold
33 JAVAFLAGS += -source 1.4
34
35 SOURCE = SuccinctStackTraceFormatter.java
36
37 all install: $(SOURCE:.java=.class)
38
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.
41
42 .FAILED: clean
43
44 clean:
45     $(RM) *.class
46
47 include $(SRC)/cmd/Makefile.targ
```

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

1

1450 Mon Apr 13 11:10:51 2015
new/usr/src/cmd/pools/poold/com/sun/solaris/service/kstat/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad

```
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22 #
23 # Copyright 2003 Sun Microsystems, Inc. All rights reserved.
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25 #
26 #ident "%Z%M% %I% %E% SMI"
27 #
28 # cmd/pools/poold/com/sun/solaris/service/kstat/Makefile
29
30 include $(SRC)/cmd/Makefile.cmd
31
32 CLASSPATH = $(SRC)/cmd/pools/poold
33 JAVAFLAGS += -source 1.4
34
35 SOURCE = Kstat.java \
36          KstatChainUpdateException.java \
37          KstatCtl.java \
38          KstatException.java \
39          KstatReadException.java \
40          KstatTypeNotSupportedException.java
41
42 all install: $(SOURCE:.java=.class)
43
44 # Since more than one class file can be generated from a java source
45 # file, any failure causes all class files to be removed.
46
47 .FAILED: clean
48
49 clean:
50     $(RM) *.class
51
52 include $(SRC)/cmd/Makefile.targ
```

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

1341 Mon Apr 13 11:10:51 2015
new/usr/src/cmd/pools/poold/com/sun/solaris/service/locality/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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25 #
26 #ident "%Z%M% %I% %E% SMI"
27 #
28 # cmd/pools/poold/com/sun/solaris/service/locality/Makefile
29
30 include $(SRC)/cmd/Makefile.cmd
31
32 CLASSPATH = $(SRC)/cmd/pools/poold
33 JAVAFLAGS += -source 1.4
34
35 SOURCE = LocalityDomain.java \
36 LocalityGroup.java
37
38 all install: $(SOURCE:.java=.class)
39
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.
42
43 .FAILED: clean
44
45 clean:
46 $(RM) *.class
47
48 include $(SRC)/cmd/Makefile.targ
```

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

1

1380 Mon Apr 13 11:10:51 2015

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

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

```
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21 #
22 #
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25 #
26 #ident "%Z%M% %I% %E% SMI"
27 #
26 # cmd/pools/poold/com/sun/solaris/service/logging/Makefile

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

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

32 SOURCE = Facility.java \
33 Severity.java \
34 SyslogHandler.java \
35 SysloglikeFormatter.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
```

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

1

1524 Mon Apr 13 11:10:52 2015

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

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

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

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

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

32
33 SOURCE = PoolInternal.java \
34 Component.java \
35 Configuration.java \
36 Element.java \
37 HRTIME.java \
38 Property.java \
39 PropertyWalk.java \
40 Pool.java \
41 PoolsException.java \
42 Resource.java \
43 UnsignedInt64.java \
44 Value.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/timer/Makefile

1

1356 Mon Apr 13 11:10:52 2015

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

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

```
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23 # Copyright 2003 Sun Microsystems, Inc. All rights reserved.
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25 #
26 #ident "%Z%M% %I% %E% SMI"
27 #
26 # cmd/pools/poold/com/sun/solaris/service/logging/Makefile

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

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

32 SOURCE = RecurringEventTimer.java \
33 SimpleRecurringEventTimer.java

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

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

40 .FAILED: clean

42 clean:
43 $(RM) *.class

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

new/usr/src/lib/libdtrace_jni/java/Makefile

1

```
*****
5628 Mon Apr 13 11:10:52 2015
new/usr/src/lib/libdtrace_jni/java/Makefile
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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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 DOEXAMPLES=$(DOCS)/examples
43 DOHTML=$(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=$(DOCDESTDIR)/api
55 DOEXAMPLESDESTDIR=$(DOCDESTDIR)/examples
56 DOHTMLDESTDIR=$(DOCDESTDIR)/html
57 DOCIMAGESDESTDIR=$(DOCDESTDIR)/images

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

new/usr/src/lib/libdtrace_jni/java/Makefile

2

```
62 $(DOEXAMPLESDESTDIR)/%: $(DOEXAMPLES)/%
63     $(INS.file)

65 $(DOHTMLDESTDIR)/%: $(DOHTML)/%
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)
92 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 \
```

new/usr/src/lib/libdtrace_jni/java/Makefile

3

```

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)

```

new/usr/src/lib/libdtrace_jni/java/Makefile

4

```

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)

```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 1

```
*****
39654 Mon Apr 13 11:10:52 2015
new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j
ava
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
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21
22 /*
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25 */
26 package org.opensolaris.os.dtrace;
27
28 import java.io.*;
29 import java.util.*;
30 import java.net.InetAddress;
31 import java.net.UnknownHostException;
32 import javax.swing.event.EventListenerList;
33 import java.util.logging.*;
34
35 /**
36 * Interface to the native DTrace library, each instance is a single
37 * DTrace consumer.
38 *
39 * @author Tom Erickson
40 */
41 public class LocalConsumer implements Consumer {
42     //
43     // Implementation notes:
44     //
45     // libdtrace is *not* thread-safe. You cannot make multiple calls
46     // into it simultaneously from different threads, even if those
47     // threads are operating on different dtrace_hdl_t's. Calls to
48     // libdtrace are synchronized on a global lock, LocalConsumer.class.
49
50     static Logger logger = Logger.getLogger(LocalConsumer.class.getName());
51
52     // Needs to match the version in dtrace_jni.c
53     private static final int DTRACE_JNI_VERSION = 3;
54
55     private static final Option[] DEFAULT_OPTIONS = new Option[] {
56         new Option(Option.bufsize, Option.kb(256)),
57         new Option(Option.aggsz, Option.kb(256)),
58     };
59 }
```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 2

```
60 private static native void _loadJniTable();
61
62 // Undocumented configuration options
63 private static boolean debug;
64 private static int maxConsumers;
65
66 static {
67     LocalConsumer.configureLogging();
68     // Undocumented configuration options settable using
69     // java -Doption=value
70     LocalConsumer.getConfigurationOptions();
71
72     Utility.loadLibrary("libdtrace_jni.so.1", debug);
73
74     _checkVersion(DTRACE_JNI_VERSION);
75     _setDebug(debug);
76     if (maxConsumers > 0) {
77         _setMaximumConsumers(maxConsumers);
78     }
79
80     //
81     // Last of all in case configuration options affect the loading
82     // of the JNI table.
83     //
84     _loadJniTable();
85 }
86
87 // Native JNI interface (see lib/libdtrace_jni/dtrace_jni.c)
88 private static native void _checkVersion(int version);
89 private native void _open(OpenFlag[] flags) throws DTraceException;
90 private native Program _compileString(String program, String[] args)
91     throws DTraceException;
92 private native Program.File _compileFile(String path, String[] args)
93     throws DTraceException;
94 private native void _exec(Program program) throws DTraceException;
95 private native void _getProgramInfo(Program program)
96     throws DTraceException;
97 private native void _setOption(String option, String value)
98     throws DTraceException;
99 private native long _getOption(String option) throws DTraceException;
100 private native boolean _isEnabled();
101 private native void _checkProgramEnabling();
102 private native void _go() throws DTraceException;
103 private native void _stop() throws DTraceException;
104 private native void _consume() throws DTraceException;
105 private native void _interrupt();
106 private native void _close();
107 private native Aggregate _getAggregate(AggregateSpec spec)
108     throws DTraceException;
109 private native int _createProcess(String cmd) throws DTraceException;
110 private native void _grabProcess(int pid) throws DTraceException;
111 private native void _listProbes(List <ProbeDescription> probeList,
112     ProbeDescription filter);
113 private native void _listProbeDetail(List <Probe> probeList,
114     ProbeDescription filter);
115 private native void _listCompiledProbes(
116     List <ProbeDescription> probeList, Program program);
117 private native void _listCompiledProbeDetail(
118     List <Probe> probeList, Program program);
119 private static native String _getVersion();
120 private static native int _openCount();
121 //
122 // Releases memory held in the JNI layer after dtrace_close() has
123 // released critical system resources like file descriptors, and
124 // calls to libdtrace are no longer needed (or possible).
```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 3

```
125 //
126 private native void _destroy();
127 // Called by LogDistribution
128 static native long _quantizeBucket(int i);
129 //
130 // Cannot be static because the necessary dtrace handle is specific
131 // to this Consumer.
132 //
133 private native String _lookupKernelFunction(Number address);
134 private native String _lookupUserFunction(int pid, Number address);
135 private static native String _getExecutableName();

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

141 protected EventListenerList listenerList;
142 protected ExceptionHandler exceptionHandler;

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

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

157 private State state = State.INIT;
158 private boolean stopCalled;
159 private boolean abortCalled;

161 //
162 // Per-consumer lock used in native code to prevent conflict between
163 // the native consumer loop and the getAggregate() thread without
164 // locking this LocalConsumer. A distinct per-consumer lock allows
165 // the stop() method to be synchronized without causing deadlock
166 // when the consumer loop grabs the per-consumer lock before
167 // dtrace_work().
168 //
169 private Object consumerLock;

171 //
172 // stopLock is a synchronization lock used to ensure that the stop()
173 // method does not return until this consumer has actually stopped.
174 // Correct lock ordering is needed to ensure that listeners cannot
175 // deadlock this consumer:
176 // 1. stop() grabs the lock on this consumer before determining if
177 // this consumer is running (to ensure valid state).
178 // 2. Once stop() determines that this consumer is actually running,
179 // it releases the lock on this consumer. Failing to release the
180 // lock makes it possible for a ConsumerListener to deadlock this
181 // consumer by calling any synchronized LocalConsumer method
182 // (because the listener called by the worker thread prevents the
183 // worker thread from finishing while it waits for stop()) to
184 // release the lock, which it will never do until the worker
185 // thread finishes).
186 // 3. stop() interrupts this consumer and grabs the stopLock, then
187 // waits on the stopLock for this consumer to stop (i.e. for the
188 // worker thread to finish).
189 // 4. The interrupted worker thread grabs the stopLock when it
190 // finishes so it can notify waiters on the stopLock (in this
```

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

213 private static int sequence = 0;

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

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

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

256 /**
```

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```
257     * Creates a consumer that interacts with the native DTrace library
258     * on the local system.
259     */
260     public
261     LocalConsumer()
262     {
263         id = new LocalConsumer.Identifier(this);
264         consumerLock = new Object();
265         stopLock = new Object();
266         listenerList = new EventListenerList();
267     }
268
269     /**
270     * Called by native C code only
271     */
272     private int
273     getHandle()
274     {
275         return _handle;
276     }
277
278     /**
279     * Called by native C code only
280     */
281     private void
282     setHandle(int n)
283     {
284         _handle = n;
285     }
286
287     public synchronized void
288     open(OpenFlag ... flags) throws DTraceException
289     {
290         if (state == State.CLOSED) {
291             throw new IllegalStateException("cannot reopen a closed consumer");
292         }
293         if (state != State.INIT) {
294             throw new IllegalStateException("consumer already open");
295         }
296
297         for (OpenFlag flag : flags) {
298             if (flag == null) {
299                 throw new NullPointerException("open flag is null");
300             }
301         }
302
303         synchronized (LocalConsumer.class) {
304             _open(flags);
305         }
306
307         state = State.OPEN;
308         setOptions(DEFAULT_OPTIONS);
309
310         if (abortCalled) {
311             _interrupt();
312         }
313
314         if (logger.isLoggable(Level.INFO)) {
315             logger.info("consumer table count: " + _openCount());
316         }
317     }
318
319     private synchronized void
320     checkCompile()
321     {
322         switch (state) {
```

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```
323         case INIT:
324             throw new IllegalStateException("consumer not open");
325         case OPEN:
326             case COMPILED: // caller may compile more than one program
327                 break;
328         case GO:
329             case STARTED:
330                 throw new IllegalStateException("go() already called");
331             case STOPPED:
332                 throw new IllegalStateException("consumer stopped");
333             case CLOSED:
334                 throw new IllegalStateException("consumer closed");
335         }
336     }
337
338     public synchronized Program
339     compile(String program, String ... macroArgs) throws DTraceException
340     {
341         if (program == null) {
342             throw new NullPointerException("program string is null");
343         }
344         checkCompile();
345         Program p = null;
346
347         String[] argv = null;
348         if (macroArgs != null) {
349             for (String macroArg : macroArgs) {
350                 if (macroArg == null) {
351                     throw new NullPointerException("macro argument is null");
352                 }
353             }
354             argv = new String[macroArgs.length + 1];
355             synchronized (LocalConsumer.class) {
356                 //
357                 // Could be an application with an embedded JVM, not
358                 // necessarily "java".
359                 //
360                 argv[0] = _getExecutableName();
361             }
362             System.arraycopy(macroArgs, 0, argv, 1, macroArgs.length);
363         } else {
364             synchronized (LocalConsumer.class) {
365                 argv = new String[] { _getExecutableName() };
366             }
367         }
368         synchronized (LocalConsumer.class) {
369             p = _compileString(program, argv);
370         }
371         p.consumerID = id;
372         p.contents = program;
373         p.validate();
374         state = State.COMPILED;
375
376         return p;
377     }
378
379     public synchronized Program
380     compile(File program, String ... macroArgs) throws DTraceException,
381             IOException, SecurityException
382     {
383         if (program == null) {
384             throw new NullPointerException("program file is null");
385         }
386         if (!program.canRead()) {
387             throw new FileNotFoundException("failed to open " +
388                 program.getName());
389         }
390     }
```

```

389     }
390     checkCompile();
391     Program.File p = null;

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

416     return p;
417 }

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

431 public void
432 enable() throws DTraceException
433 {
434     enable(null);
435 }

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

```

```

456     // Compile all programs if null
457     if (program != null) {
458         checkProgram(program);
459     }

461     //
462     // Left to native code to throw IllegalArgumentException if the
463     // program is already enabled, since only the native code knows
464     // the enabled state.
465     //
466     synchronized (LocalConsumer.class) {
467         _exec(program);
468     }
469 }

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

479     //
480     // The given program was compiled by this consumer, so we can
481     // assert the following:
482     //
483     assert ((state != State.INIT) && (state != State.OPEN));

485     synchronized (LocalConsumer.class) {
486         _getProgramInfo(program);
487     }
488 }

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

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

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

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

520     switch (state) {

```

```

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

533     synchronized (LocalConsumer.class) {
534         _setOption(option, value);
535     }
536 }

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

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

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

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

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

578     return _isEnabled();
579 }

581 public final synchronized boolean
582 isRunning()
583 {
584     return (state == State.STARTED);
585 }

```

```

587     public final synchronized boolean
588     isClosed()
589     {
590         return (state == State.CLOSED);
591     }

593     /**
594     * Called in the runnable target of the thread returned by {@link
595     * #createThread()} to run this DTrace consumer.
596     *
597     * @see #createThread()
598     */
599     protected final void
600     work()
601     {
602         try {
603             synchronized (this) {
604                 if (state != State.GO) {
605                     //
606                     // stop() was called after go() but before the
607                     // consumer started
608                     //
609                     return; // executes finally block before returning
610                 }

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

617             //
618             // We should not prevent other consumers from running
619             // concurrently while this consumer blocks on the native
620             // consumer loop. Instead, native code will acquire the
621             // LocalConsumer.class monitor as needed before calling
622             // libdtrace functions.
623             //
624             _consume();

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

```

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```
652         System.nanoTime());
653     }
654 }

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

663 /**
664  * Creates the background thread started by {@link #go()} to run
665  * this consumer. Override this method if you need to set
666  * non-default {@code Thread} options or create the thread in a
667  * {@code ThreadGroup}. If you don't need to create the thread
668  * yourself, set the desired options on {@code super.createThread()}
669  * before returning it. Otherwise, the {@code Runnable} target of
670  * the created thread must call {@link #work()} in order to run this
671  * DTrace consumer. For example, to modify the default background
672  * consumer thread:
673  * <pre><code>
674  * protected Thread
675  * createThread()
676  * {
677  *     Thread t = super.createThread();
678  *     t.setPriority(Thread.MIN_PRIORITY);
679  *     return t;
680  * }
681  * </code></pre>
682  * Or if you need to create your own thread:
683  * <pre><code>
684  * protected Thread
685  * createThread()
686  * {
687  *     Runnable target = new Runnable() {
688  *         public void run() {
689  *             work();
690  *         }
691  *     };
692  *     String name = "Consumer " + UserApplication.sequence++;
693  *     Thread t = new Thread(UserApplication.threadGroup,
694  *         target, name);
695  *     return t;
696  * }
697  * </code></pre>
698  * Do not start the returned thread, otherwise {@code go()} will
699  * throw an {@link IllegalStateException} when it tries to
700  * start the returned thread a second time.
701  */
702 protected Thread
703 createThread()
704 {
705     Thread t = new Thread(new Runnable() {
706         public void run() {
707             work();
708         }
709     }, "DTrace consumer " + id);
710     return t;
711 }

713 /**
714  * @inheritDoc
715  * @throws IllegalStateException if a subclass calls {@link
716  * Thread#start()} on the value of {@link #createThread()}
717  * @see #createThread()
```

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```
718 */
719 public void
720 go() throws DTraceException
721 {
722     go(null);
723 }

725 /**
726  * @inheritDoc
727  * @throws IllegalStateException if a subclass calls {@link
728  * Thread#start()} on the value of {@link #createThread()}
729  * @see #createThread()
730  */
731 public synchronized void
732 go(ExceptionHandler h) throws DTraceException
733 {
734     switch (state) {
735         case INIT:
736             throw new IllegalStateException("consumer not open");
737         case OPEN:
738             throw new IllegalStateException("no compiled program");
739         case COMPILED:
740             //
741             // Throws IllegalStateException if not all compiled programs are
742             // also enabled. Does not make any calls to libdtrace.
743             //
744             _checkProgramEnabling();
745             break;
746         case GO:
747         case STARTED:
748             throw new IllegalStateException("go() already called");
749         case STOPPED:
750             throw new IllegalStateException("consumer stopped");
751         case CLOSED:
752             throw new IllegalStateException("consumer closed");
753         default:
754             throw new IllegalArgumentException("unknown state: " + state);
755     }
756 }

757 synchronized (LocalConsumer.class) {
758     _go();
759 }

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

767 /**
768  * @inheritDoc
769  *
770  * @throws IllegalStateException if attempting to {@code
771  * stop()} a running consumer while holding the lock on that
772  * consumer
773  */
774 public void
775 stop()
776 {
777     boolean running = false;

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

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```
784     case COMPILED:
785         throw new IllegalStateException("go() not called");
786     case GO:
787         try {
788             synchronized (LocalConsumer.class) {
789                 _stop();
790             }
791             state = State.STOPPED;
792             fireConsumerStopped(new ConsumerEvent(this,
793                 System.nanoTime()));
794         } catch (DTraceException e) {
795             if (exceptionHandler != null) {
796                 exceptionHandler.handleException(e);
797             } else {
798                 e.printStackTrace();
799             }
800         }
801         break;
802     case STARTED:
803         running = true;
804         break;
805     case STOPPED:
806         //
807         // The work() thread that runs the native consumer
808         // loop may have terminated because of the exit()
809         // action in a DTrace program. In that case, a
810         // RuntimeException is inappropriate because there
811         // is no misuse of the API. Creating a new checked
812         // exception type to handle this case seems to offer
813         // no benefit for the trouble to the caller.
814         // Instead, the situation calls for stop() to be
815         // quietly tolerant.
816         //
817         if (stopCalled) {
818             throw new IllegalStateException(
819                 "consumer already stopped");
820         }
821         logger.fine("consumer already stopped");
822         break;
823     case CLOSED:
824         throw new IllegalStateException("consumer closed");
825     default:
826         throw new IllegalArgumentException("unknown state: " +
827             state);
828 }
829
830 stopCalled = true;
831 }
832
833 if (running) {
834     if (Thread.holdsLock(this)) {
835         throw new IllegalThreadStateException("The current " +
836             "thread cannot stop this LocalConsumer while " +
837             "holding the lock on this LocalConsumer");
838     }
839
840     //
841     // Calls no libdtrace methods, so no synchronization is
842     // needed. Sets a native flag that causes the consumer
843     // thread to exit the consumer loop and call native
844     // dtrace_stop() at the end of the current interval (after
845     // grabbing the global Consumer.class lock required for any
846     // libdtrace call).
847     //
848     _interrupt();
```

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```
850     synchronized (stopLock) {
851         //
852         // Wait for work() to set workEnded. If the work()
853         // thread got the stopLock first, then workEnded is
854         // already set.
855         //
856         while (!workEnded) {
857             try {
858                 stopLock.wait();
859             } catch (InterruptedException e) {
860                 logger.warning(e.toString());
861                 // do nothing but re-check the condition for
862                 // waiting
863             }
864         }
865     }
866 }
867
868 public synchronized void
869 abort()
870 {
871     if ((state != State.INIT) && (state != State.CLOSED)) {
872         _interrupt();
873     }
874     abortCalled = true;
875 }
876
877 /**
878  * @inheritDoc
879  *
880  * @throws IllegalThreadStateException if attempting to {@code
881  *     close()} a running consumer while holding the lock on that
882  *     consumer
883  */
884
885 public void
886 close()
887 {
888     synchronized (this) {
889         if ((state == State.INIT) || (state == State.CLOSED)) {
890             state = State.CLOSED;
891             return;
892         }
893     }
894
895     try {
896         stop();
897     } catch (IllegalStateException e) {
898         // ignore (we don't have synchronized state access because
899         // it is illegal to call stop() while holding the lock on
900         // this consumer)
901     }
902
903     synchronized (this) {
904         if (state != State.CLOSED) {
905             synchronized (LocalConsumer.class) {
906                 _close();
907             }
908             _destroy();
909             state = State.CLOSED;
910
911             if (logger.isLoggable(Level.INFO)) {
912                 logger.info("consumer table count: " + _openCount());
913             }
914         }
915     }
916 }
```

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```
916     }

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

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

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

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

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

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

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

970         return getAggregate(spec);
971     }

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

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```
982         //
983         // Getting the aggregate is a time-consuming request that should not
984         // prevent other consumers from running concurrently. Instead,
985         // native code will acquire the LocalConsumer.class monitor as
986         // needed before calling libdtrace functions.
987         //
988         Aggregate aggregate = _getAggregate(spec);
989         return aggregate;
990     }

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

1010     private synchronized void
1011     checkGoNotCalled()
1012     {
1013         switch (state) {
1014             case INIT:
1015                 throw new IllegalStateException("consumer not open");
1016             case OPEN:
1017             case COMPILED:
1018                 break;
1019             case GO:
1020             case STARTED:
1021                 throw new IllegalStateException("go() already called");
1022             case STOPPED:
1023                 throw new IllegalStateException("consumer stopped");
1024             case CLOSED:
1025                 throw new IllegalStateException("consumer closed");
1026         }
1027     }

1029     public synchronized int
1030     createProcess(String command) throws DTraceException
1031     {
1032         if (command == null) {
1033             throw new NullPointerException("command is null");
1034         }

1036         checkGoNotCalled();

1038         int pid;
1039         synchronized (LocalConsumer.class) {
1040             pid = _createProcess(command);
1041         }
1042         return pid;
1043     }

1045     public synchronized void
1046     grabProcess(int pid) throws DTraceException
1047     {
```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 17

```
1048     checkGoNotCalled();
1050     synchronized (LocalConsumer.class) {
1051         _grabProcess(pid);
1052     }
1053 }

1055 public synchronized List <ProbeDescription>
1056 listProbes(ProbeDescription filter) throws DTraceException
1057 {
1058     checkGoNotCalled();
1059     List <ProbeDescription> probeList =
1060         new LinkedList <ProbeDescription> ();
1061     if (filter == ProbeDescription.EMPTY) {
1062         filter = null;
1063     }
1064     synchronized (LocalConsumer.class) {
1065         _listProbes(probeList, filter);
1066     }
1067     return probeList;
1068 }

1070 public synchronized List <Probe>
1071 listProbeDetail(ProbeDescription filter) throws DTraceException
1072 {
1073     checkGoNotCalled();
1074     List <Probe> probeList = new LinkedList <Probe> ();
1075     if (filter == ProbeDescription.EMPTY) {
1076         filter = null;
1077     }
1078     synchronized (LocalConsumer.class) {
1079         _listProbeDetail(probeList, filter);
1080     }
1081     return probeList;
1082 }

1084 public synchronized List <ProbeDescription>
1085 listProgramProbes(Program program) throws DTraceException
1086 {
1087     checkProgram(program);
1088     checkGoNotCalled();
1089     List <ProbeDescription> probeList =
1090         new LinkedList <ProbeDescription> ();
1091     synchronized (LocalConsumer.class) {
1092         _listCompiledProbes(probeList, program);
1093     }
1094     return probeList;
1095 }

1097 public synchronized List <Probe>
1098 listProgramProbeDetail(Program program) throws DTraceException
1099 {
1100     checkProgram(program);
1101     checkGoNotCalled();
1102     List <Probe> probeList = new LinkedList <Probe> ();
1103     synchronized (LocalConsumer.class) {
1104         _listCompiledProbeDetail(probeList, program);
1105     }
1106     return probeList;
1107 }

1109 public synchronized String
1110 lookupKernelFunction(int address)
1111 {
1112     checkGoCalled();
1113     synchronized (LocalConsumer.class) {
```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 18

```
1114         return _lookupKernelFunction(new Integer(address));
1115     }
1116 }

1118 public synchronized String
1119 lookupKernelFunction(long address)
1120 {
1121     checkGoCalled();
1122     synchronized (LocalConsumer.class) {
1123         return _lookupKernelFunction(new Long(address));
1124     }
1125 }

1127 public synchronized String
1128 lookupUserFunction(int pid, int address)
1129 {
1130     checkGoCalled();
1131     synchronized (LocalConsumer.class) {
1132         return _lookupUserFunction(pid, new Integer(address));
1133     }
1134 }

1136 public synchronized String
1137 lookupUserFunction(int pid, long address)
1138 {
1139     checkGoCalled();
1140     synchronized (LocalConsumer.class) {
1141         return _lookupUserFunction(pid, new Long(address));
1142     }
1143 }

1145 public String
1146 getVersion()
1147 {
1148     synchronized (LocalConsumer.class) {
1149         return LocalConsumer._getVersion();
1150     }
1151 }

1153 /**
1154  * Called by native code.
1155  */
1156 private void
1157 nextProbeData(ProbeData probeData) throws ConsumerException
1158 {
1159     fireDataReceived(new DataEvent(this, probeData));
1160 }

1162 /**
1163  * Called by native code.
1164  */
1165 private void
1166 dataDropped(Drop drop) throws ConsumerException
1167 {
1168     fireDataDropped(new DropEvent(this, drop));
1169 }

1171 /**
1172  * Called by native code.
1173  */
1174 private void
1175 errorEncountered(Error error) throws ConsumerException
1176 {
1177     fireErrorEncountered(new ErrorEvent(this, error));
1178 }
```

```

1180 /**
1181  * Called by native code.
1182  */
1183 private void
1184 processStateChanged(ProcessState processState) throws ConsumerException
1185 {
1186     fireProcessStateChanged(new ProcessEvent(this, processState));
1187 }
1188
1189 protected void
1190 fireDataReceived(DataEvent e) throws ConsumerException
1191 {
1192     // Guaranteed to return a non-null array
1193     Object[] listeners = listenerList.getListenerList();
1194     // Process the listeners last to first, notifying
1195     // those that are interested in this event
1196     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1197         if (listeners[i] == ConsumerListener.class) {
1198             ((ConsumerListener)listeners[i + 1]).dataReceived(e);
1199         }
1200     }
1201 }
1202
1203 protected void
1204 fireDataDropped(DropEvent e) throws ConsumerException
1205 {
1206     // Guaranteed to return a non-null array
1207     Object[] listeners = listenerList.getListenerList();
1208     // Process the listeners last to first, notifying
1209     // those that are interested in this event
1210     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1211         if (listeners[i] == ConsumerListener.class) {
1212             ((ConsumerListener)listeners[i + 1]).dataDropped(e);
1213         }
1214     }
1215 }
1216
1217 protected void
1218 fireErrorEncountered(ErrorEvent e) throws ConsumerException
1219 {
1220     // Guaranteed to return a non-null array
1221     Object[] listeners = listenerList.getListenerList();
1222     // Process the listeners last to first, notifying
1223     // those that are interested in this event
1224     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1225         if (listeners[i] == ConsumerListener.class) {
1226             ((ConsumerListener)listeners[i + 1]).errorEncountered(e);
1227         }
1228     }
1229 }
1230
1231 protected void
1232 fireProcessStateChanged(ProcessEvent e) throws ConsumerException
1233 {
1234     // Guaranteed to return a non-null array
1235     Object[] listeners = listenerList.getListenerList();
1236     // Process the listeners last to first, notifying
1237     // those that are interested in this event
1238     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1239         if (listeners[i] == ConsumerListener.class) {
1240             ((ConsumerListener)listeners[i + 1]).processStateChanged(e);
1241         }
1242     }
1243 }
1244
1245 protected void

```

```

1246 fireConsumerStarted(ConsumerEvent e)
1247 {
1248     // Guaranteed to return a non-null array
1249     Object[] listeners = listenerList.getListenerList();
1250     // Process the listeners last to first, notifying
1251     // those that are interested in this event
1252     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1253         if (listeners[i] == ConsumerListener.class) {
1254             ((ConsumerListener)listeners[i + 1]).consumerStarted(e);
1255         }
1256     }
1257 }
1258
1259 protected void
1260 fireConsumerStopped(ConsumerEvent e)
1261 {
1262     // Guaranteed to return a non-null array
1263     Object[] listeners = listenerList.getListenerList();
1264     // Process the listeners last to first, notifying
1265     // those that are interested in this event
1266     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1267         if (listeners[i] == ConsumerListener.class) {
1268             ((ConsumerListener)listeners[i + 1]).consumerStopped(e);
1269         }
1270     }
1271 }
1272
1273 // Called by native code
1274 private void
1275 intervalBegan()
1276 {
1277     fireIntervalBegan(new ConsumerEvent(this, System.nanoTime()));
1278 }
1279
1280 protected void
1281 fireIntervalBegan(ConsumerEvent e)
1282 {
1283     // Guaranteed to return a non-null array
1284     Object[] listeners = listenerList.getListenerList();
1285     // Process the listeners last to first, notifying
1286     // those that are interested in this event
1287     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1288         if (listeners[i] == ConsumerListener.class) {
1289             ((ConsumerListener)listeners[i + 1]).intervalBegan(e);
1290         }
1291     }
1292 }
1293
1294 // Called by native code
1295 private void
1296 intervalEnded()
1297 {
1298     fireIntervalEnded(new ConsumerEvent(this, System.nanoTime()));
1299 }
1300
1301 protected void
1302 fireIntervalEnded(ConsumerEvent e)
1303 {
1304     // Guaranteed to return a non-null array
1305     Object[] listeners = listenerList.getListenerList();
1306     // Process the listeners last to first, notifying
1307     // those that are interested in this event
1308     for (int i = listeners.length - 2; i >= 0; i -= 2) {
1309         if (listeners[i] == ConsumerListener.class) {
1310             ((ConsumerListener)listeners[i + 1]).intervalEnded(e);
1311         }
1312     }
1313 }

```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 21

```
1312     }
1313 }

1315 /**
1316  * Gets a string representation of this consumer useful for logging
1317  * and not intended for display. The exact details of the
1318  * representation are unspecified and subject to change, but the
1319  * following format may be regarded as typical:
1320  * <pre><code>
1321  * class-name[property1 = value1, property2 = value2]
1322  * </code></pre>
1323  */
1324 public String
1325 toString()
1326 {
1327     StringBuilder buf = new StringBuilder(LocalConsumer.class.getName());
1328     synchronized (this) {
1329         buf.append("[open = ");
1330         buf.append(isOpen());
1331         buf.append(", enabled = ");
1332         buf.append(isEnabled());
1333         buf.append(", running = ");
1334         buf.append(isRunning());
1335         buf.append(", closed = ");
1336         buf.append(isClosed());
1337     }
1338     buf.append(']');
1339     return buf.toString();
1340 }

1342 /**
1343  * Ensures that the {@link #close()} method of this consumer has
1344  * been called before it is garbage-collected. The intended safety
1345  * net is weak because the JVM does not guarantee that an object
1346  * will be garbage-collected when it is no longer referenced. Users
1347  * of the API should call {@code close()} to ensure that all
1348  * resources associated with this consumer are reclaimed in a timely
1349  * manner.
1350  *
1351  * @see #close()
1352  */
1353 protected void
1354 finalize()
1355 {
1356     close();
1357 }

1359 private String
1360 getTag()
1361 {
1362     return super.toString();
1363 }

1365 //
1366 // Uniquely identifies a consumer across systems so it is possible
1367 // to validate that an object such as a Program passed to a remote
1368 // client over a socket was created by this consumer and no other.
1369 //
1370 static class Identifier implements Serializable {
1371     static final long serialVersionUID = 2183165132305302834L;

1373     // local identifier
1374     private int id;
1375     private long timestamp;
1376     // remote identifier
1377     private InetAddress localhost;
```

new/usr/src/lib/libdtrace_jni/java/src/org/opensolaris/os/dtrace/LocalConsumer.j 22

```
1378     private String tag; // in case localhost not available

1380     private
1381     Identifier(LocalConsumer consumer)
1382     {
1383         id = LocalConsumer.sequence++;
1384         timestamp = System.currentTimeMillis();
1385         try {
1386             localhost = InetAddress.getLocalHost();
1387         } catch (UnknownHostException e) {
1388             localhost = null;
1389         }
1390         tag = consumer.getTag();
1391     }

1393     @Override
1394     public boolean
1395     equals(Object o)
1396     {
1397         if (o == this) {
1398             return true;
1399         }
1400         if (o instanceof Identifier) {
1401             Identifier i = (Identifier)o;
1402             return ((id == i.id) &&
1403                 (timestamp == i.timestamp) &&
1404                 ((localhost == null) ? (i.localhost == null) :
1405                     localhost.equals(i.localhost)) &&
1406                 tag.equals(i.tag));
1407         }
1408         return false;
1409     }

1411     @Override
1412     public int
1413     hashCode()
1414     {
1415         int hash = 17;
1416         hash = (37 * hash) + id;
1417         hash = (37 * hash) + ((int)(timestamp ^ (timestamp >>> 32)));
1418         hash = (37 * hash) + (localhost == null ? 0 :
1419             localhost.hashCode());
1420         hash = (37 * hash) + tag.hashCode();
1421         return hash;
1422     }

1424     @Override
1425     public String
1426     toString()
1427     {
1428         StringBuilder buf = new StringBuilder();
1429         buf.append(Identifier.class.getName());
1430         buf.append("[id = ");
1431         buf.append(id);
1432         buf.append(", timestamp = ");
1433         buf.append(timestamp);
1434         buf.append(", localhost = ");
1435         buf.append(localhost);
1436         buf.append(", tag = ");
1437         buf.append(tag);
1438         buf.append(']');
1439         return buf.toString();
1440     }
1441 }
1442 }
```

unchanged_portion_omitted

new/usr/src/lib/libslp/javalib/Makefile.conf

1

```
*****
5775 Mon Apr 13 11:10:52 2015
new/usr/src/lib/libslp/javalib/Makefile.conf
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # 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 -Xlint:deprecation,-options
58 JFLAGS= -O -d $(CLASSES) -sourcepath $(SLPCLASSPATH) -deprecation
```

new/usr/src/lib/libslp/javalib/Makefile.conf

2

```
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   UARquester.class      SAREquester.class      slpd.class \
87   SunServerDataTable.class AttributeVerifier.class \
88   SunDataTable.class    SLPHeaderV2.class      SLPHeaderV2.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       DataTable.class \
107  ServiceStore.class    ServiceStoreFactory.class \
108  ServiceTable.class    ServiceStoreInMemory.class \
109  Advertiser.class      Locator.class \
110  ServiceLocationManager.class PermSARegTable.class \
111  DAAdvertiser.class    ServerDataTable.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  IANACode.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  DTable\$$DAREcord.class \
135 SLPHeaderV2.class    SrvLocHeader.class  SrvLocMsgImpl.class \
136 DTable.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 SunDTable.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 Mon Apr 13 11:10:52 2015

new/usr/src/man/man5/filesystem.5

4719 update gate build environment to [open]jdk7 4742 update manifests for javad

```

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, \fBisubsystem\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

```

new/usr/src/man/man5/filesystem.5

```
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
```

3

new/usr/src/man/man5/filesystem.5

```
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/rdisk\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
```

4

new/usr/src/man/man5/filesystem.5

5

```
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\fRipackagename\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.
```

new/usr/src/man/man5/filesystem.5

6

```
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
```

new/usr/src/man/man5/filesystem.5

7

```
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
```

new/usr/src/man/man5/filesystem.5

8

```
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
```

new/usr/src/man/man5/filesystem.5

9

```
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
```

new/usr/src/man/man5/filesystem.5

10

```
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
```

new/usr/src/man/man5/filesystem.5

```
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
```

11

new/usr/src/man/man5/filesystem.5

```
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
```

12

```

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
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\fIpackage\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/\fI subsystem\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/\fI subsystem\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/package/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'\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

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```

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/\fR\fBisubsystem\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/\fR\fBisubsystem\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\fIpackage\fRname\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

new/usr/src/man/man5/filesystem.5

```
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
```

23

new/usr/src/man/man5/filesystem.5

```
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
```

24

```
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 \fBbcron\fR(1M), \fBbat\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
```

new/usr/src/man/man5/filesystem.5

1712 .ne 2
1713 .na
1714 \fB\fB/var/spool/cron\fR\fR
1715 .ad
1716 .sp .6
1717 .RS 4n
1718 \fBcrons\fR(1M) and \fBcrontab\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

27

new/usr/src/man/man5/filesystem.5

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

28

```

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 Language 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 \fBbisaexec\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 \fBbisaexec\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 \fBbisaexec\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
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 \fBbisaexec\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 \fBbisaexec\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

```

new/usr/src/man/man5/filesystem.5

33

```
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
```

new/usr/src/man/man5/filesystem.5

34

```
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
2253 \fB\fB/usr/java\fI*\fR\fR\fR
2254 .ad
2255 .sp .6
2256 .RS 4n
2257 Directories containing Java programs and 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/\fIpackage\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 \fB\fB/usr/lib/adb\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/\fIpackage\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 \fB/autofs\fR executable.
2357 .RE

2359 .sp
2360 .ne 2
2361 .na

```

new/usr/src/man/man5/filesystem.5

37

```
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 \fBdispadm\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.
```

new/usr/src/man/man5/filesystem.5

38

```
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 \fBttroff\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/netsh\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 (\fBpool\d\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 \fB\lp\fR conversion scripts and the \fB\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 \fB\refer\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 mouter 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 \fB\sa\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.smdserverd\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/\fIpackage_name\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
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/\fIpackage_name\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/\fIpackage_name\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/\fIpackage_name\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/\fIpackage_name\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/\fIpackage_name\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/\fIpackage_name\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
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
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/\fR\fBisubsystem\fR/amd64\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
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
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
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
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
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
3128 .ad
3129 .sp .6
3130 .RS 4n
3131 Binaries for the Form and Menu Language Interpreter (\fBfml\fiR) scripts. See
3132 \fBfml\fiR(1)\fR.
3133 .RE

3135 .sp
3136 .ne 2
3137 .na
3138 \fB\fB/usr/sadm/install\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
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 \fB\sparc9\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 x86 versions of commands.
3186 .RE

3188 .sp
3189 .ne 2
3190 .na
3191 \fB\fB/usr/sbin/\fI subsystem\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 \fI subsystem\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/\fI subsystem\fR/sbin\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 \fI subsystem\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.
```

```

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 \fBprieontl\fr(1), \fBrefref\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), \fBdiadm\fr(1M),
3660 \fBfmd\fr(1M), \fBfsck\fr(1M), \fBinit\fr(1M), \fBkernel\fr(1M),
3661 \fBknod\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)

```

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

1

```
*****
88027 Mon Apr 13 11:10:53 2015
new/usr/src/pkg/manifests/SUNWcs.mf
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****

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 2015 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
```

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

2

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

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

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```
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/$(ARCH64) group=sys
179 dir path=usr/lib/fs/cacheefs group=sys
180 dir path=usr/lib/fs/ctfs group=sys
181 dir path=usr/lib/fs/dev group=sys
182 dir path=usr/lib/fs/fd group=sys
183 dir path=usr/lib/fs/hsfs group=sys
184 dir path=usr/lib/fs/lofs group=sys
185 dir path=usr/lib/fs/mntfs group=sys
186 dir path=usr/lib/fs/nfs group=sys
187 dir path=usr/lib/fs/nfs/$(ARCH64) group=sys
188 dir path=usr/lib/fs/objfs group=sys
189 dir path=usr/lib/fs/proc group=sys
190 dir path=usr/lib/fs/sharefs group=sys
191 dir path=usr/lib/fs/tmpfs group=sys
192 dir path=usr/lib/fs/ufs group=sys
193 dir path=usr/lib/help
```

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

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```
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/locale
205 dir path=usr/lib/locale/C
206 dir path=usr/lib/locale/C/LC_COLLATE
207 dir path=usr/lib/locale/C/LC_CTYPE
208 dir path=usr/lib/locale/C/LC_MESSAGES
209 dir path=usr/lib/locale/C/LC_MONETARY
210 dir path=usr/lib/locale/C/LC_NUMERIC
211 dir path=usr/lib/locale/C/LC_TIME
212 dir path=usr/lib/netsvc group=sys
213 dir path=usr/lib/pci
214 dir path=usr/lib/rcm
215 dir path=usr/lib/rcm/modules
216 dir path=usr/lib/rcm/scripts
217 dir path=usr/lib/repase
218 dir path=usr/lib/saf
219 dir path=usr/lib/secure
220 dir path=usr/lib/secure/$(ARCH64)
221 dir path=usr/lib/security
222 dir path=usr/lib/sysevent
223 dir path=usr/lib/sysevent/modules
224 dir path=usr/net group=sys
225 dir path=usr/net/nls group=sys
226 dir path=usr/net/servers group=sys
227 dir path=usr/old
228 dir path=usr/platform group=sys
229 dir path=usr/sadm
230 dir path=usr/sadm/bin
231 dir path=usr/sadm/install
232 dir path=usr/sadm/install/scripts
233 dir path=usr/sbin
234 $(i386_ONLY)dir path=usr/sbin/$(ARCH32)
235 dir path=usr/sbin/$(ARCH64)
236 dir path=usr/share
237 dir path=usr/share/doc group=other
238 dir path=usr/share/doc/ksh
239 dir path=usr/share/doc/ksh/images
240 dir path=usr/share/doc/ksh/images/callouts
241 dir path=usr/share/lib
242 dir path=usr/share/lib/mailx
243 dir path=usr/share/lib/pub
244 dir path=usr/share/lib/tabset
245 dir path=usr/share/lib/xml group=sys
246 dir path=usr/share/lib/xml/dtd group=sys
247 dir path=usr/share/lib/xml/style group=sys
248 dir path=usr/share/man
249 dir path=usr/share/man/man1
250 dir path=usr/share/man/man1m
251 dir path=usr/share/man/man4
252 dir path=usr/share/man/man5
253 dir path=usr/share/man/man7d
254 dir path=usr/share/man/man7fs
255 dir path=usr/share/src group=sys
256 dir path=var group=sys
257 dir path=var/adm group=sys mode=0775
258 dir path=var/adm/exacct group=adm owner=adm
259 dir path=var/adm/log group=adm owner=adm
```

```
260 dir path=var/adm/streams group=sys
261 dir path=var/audit group=sys
262 dir path=var/cores group=sys
263 dir path=var/cron group=sys
264 dir path=var/games
265 dir path=var/ldap group=daemon owner=daemon
266 dir path=var/inet group=sys
267 dir path=var/ld
268 dir path=var/ld/${ARCH64}
269 dir path=var/log group=sys
270 dir path=var/logadm
271 dir path=var/mail group=mail mode=1777
272 dir path=var/mail/:saved group=mail mode=0775
273 dir path=var/news
274 dir path=var/opt group=sys
275 dir path=var/preserve mode=1777
276 dir path=var/run group=sys
277 dir path=var/sadm group=sys
278 dir path=var/sadm/system group=sys
279 dir path=var/sadm/system/admin group=sys
277 dir path=var/saf
278 dir path=var/saf/zsmon group=sys
279 dir path=var/spool
280 dir path=var/spool/cron group=sys
281 dir path=var/spool/cron/atjobs group=sys
282 dir path=var/spool/cron/crontabs group=sys
283 dir path=var/spool/locks group=uucp owner=uucp
284 dir path=var/svc group=sys
285 dir path=var/svc/log group=sys
286 dir path=var/svc/manifest group=sys
287 dir path=var/svc/manifest/application group=sys
288 dir path=var/svc/manifest/application/management group=sys
289 dir path=var/svc/manifest/application/print group=sys
290 dir path=var/svc/manifest/application/security group=sys
291 dir path=var/svc/manifest/device group=sys
292 dir path=var/svc/manifest/milestone group=sys
293 dir path=var/svc/manifest/network group=sys
294 dir path=var/svc/manifest/network/dns group=sys
295 dir path=var/svc/manifest/network/ipsec group=sys
296 dir path=var/svc/manifest/network/ldap group=sys
297 dir path=var/svc/manifest/network/nfs group=sys
298 dir path=var/svc/manifest/network/nis group=sys
299 dir path=var/svc/manifest/network/routing group=sys
300 dir path=var/svc/manifest/network/rpc group=sys
301 dir path=var/svc/manifest/network/security group=sys
302 dir path=var/svc/manifest/network/shares group=sys
303 dir path=var/svc/manifest/network/ssl group=sys
304 dir path=var/svc/manifest/platform group=sys
305 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4u group=sys
306 $(sparc_ONLY)dir path=var/svc/manifest/platform/sun4v group=sys
307 dir path=var/svc/manifest/site group=sys
308 dir path=var/svc/manifest/system group=sys
309 dir path=var/svc/manifest/system/device group=sys
310 dir path=var/svc/manifest/system/filesystem group=sys
311 dir path=var/svc/manifest/system/security group=sys
312 dir path=var/svc/manifest/system/svc group=sys
313 dir path=var/svc/profile group=sys
314 dir path=var/tmp group=sys mode=1777
315 driver name=dump perms="dump 0660 root sys"
316 driver name=fssnap \
317     policy="ctl read_priv_set=sys_config write_priv_set=sys_config" \
318     perms="** 0640 root sys" perms="ctl 0666 root sys"
319 driver name=kstat perms="** 0666 root sys"
320 driver name=ksyms perms="** 0666 root sys"
321 driver name=logindmux
322 driver name=ptm clone_perms="ptmx 0666 root sys"
```

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

```
389 file path=etc/net/ticots/hosts group=sys
390 file path=etc/net/ticots/services group=sys preserve=true
391 file path=etc/net/ticotsord/hosts group=sys
392 file path=etc/net/ticotsord/services group=sys preserve=true
393 file path=etc/netconfig group=sys preserve=true
394 file path=etc/nscd.conf group=sys preserve=true
395 file path=etc/nsswitch.ad group=sys
396 file path=etc/nsswitch.conf group=sys preserve=true
397 file path=etc/nsswitch.dns group=sys
398 file path=etc/nsswitch.files group=sys
399 file path=etc/nsswitch ldap group=sys
400 file path=etc/pam.conf group=sys preserve=true
401 file path=etc/passwd group=sys preserve=true
402 file path=etc/profile group=sys preserve=renamew
403 file path=etc/project group=sys preserve=true
404 file path=etc/rc2.d/README group=sys
405 file path=etc/rc3.d/README group=sys
406 file path=etc/rcS.d/README group=sys
407 file path=etc/remote preserve=true
408 file path=etc/rpc group=sys preserve=true
409 file path=etc/saf/_sactab group=sys preserve=true
410 file path=etc/saf/_sysconfig group=sys preserve=true
411 file path=etc/saf/zsmmon/_pmtab group=sys preserve=true
412 file path=etc/security/audit_class group=sys preserve=renamew
413 file path=etc/security/audit_event group=sys preserve=renamew
414 file path=etc/security/audit_warn group=sys mode=0740 preserve=renamew
415 file path=etc/security/auth_attr group=sys preserve=true \
416     timestamp=19700101T000000Z
417 file path=etc/security/auth_attr.d/SUNWcs group=sys
418 file path=etc/security/crypt.conf group=sys preserve=renamew
419 file path=etc/security/dev/audio mode=0400
420 file path=etc/security/dev/fd0 mode=0400
421 file path=etc/security/dev/sr0 mode=0400
422 file path=etc/security/dev/st0 mode=0400
423 file path=etc/security/dev/st1 mode=0400
424 file path=etc/security/exec_attr group=sys preserve=true \
425     timestamp=19700101T000000Z
426 file path=etc/security/exec_attr.d/SUNWcs group=sys
427 file path=etc/security/kmfpolicy.xml
428 file path=etc/security/lib/audio_clean group=sys mode=0555
429 file path=etc/security/lib/fd_clean group=sys mode=0555
430 file path=etc/security/lib/sr_clean group=sys mode=0555
431 file path=etc/security/lib/st_clean group=sys mode=0555
432 file path=etc/security/policy.conf group=sys preserve=true
433 file path=etc/security/priv_names group=sys preserve=renameold
434 file path=etc/security/prof_attr group=sys preserve=true \
435     timestamp=19700101T000000Z
436 file path=etc/security/prof_attr.d/SUNWcs group=sys
437 file path=etc/shadow group=sys mode=0400 preserve=true
438 file path=etc/skel/.profile group=other preserve=true
439 file path=etc/skel/local.cshrc group=sys preserve=true
440 file path=etc/skel/local.login group=sys preserve=true
441 file path=etc/skel/local.profile group=sys preserve=true
442 file path=etc/svc/profile/generic_limited_net.xml group=sys mode=0444
443 file path=etc/svc/profile/generic_open.xml group=sys mode=0444
444 file path=etc/svc/profile/inetd_generic.xml group=sys mode=0444
445 file path=etc/svc/profile/inetd_upgrade.xml group=sys mode=0444
446 file path=etc/svc/profile/ns_dns.xml group=sys mode=0444
447 file path=etc/svc/profile/ns_files.xml group=sys mode=0444
448 file path=etc/svc/profile/ns_ldap.xml group=sys mode=0444
449 file path=etc/svc/profile/ns_nis.xml group=sys mode=0444
450 file path=etc/svc/profile/ns_none.xml group=sys mode=0444
451 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,SPARC-Enterprise.xml \
452     group=sys mode=0444
453 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire-15000.xml \
454     group=sys mode=0444
```

```
455 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire-880.xml \
456     group=sys mode=0444
457 $(sparc_ONLY)file path=etc/svc/profile/platform_SUNW,Sun-Fire.xml group=sys \
458     mode=0444
459 $(sparc_ONLY)file \
460     path=etc/svc/profile/platform_SUNW,Ultra-Enterprise-10000.xml group=sys \
461     mode=0444
462 $(sparc_ONLY)file \
463     path=etc/svc/profile/platform_SUNW,UltraSPARC-III-Netractor.xml group=sys \
464     mode=0444
465 file path=etc/svc/profile/platform_none.xml group=sys mode=0444
466 $(sparc_ONLY)file path=etc/svc/profile/platform_sun4v.xml group=sys mode=0444
467 file path=etc/sysevent/config/README group=sys mode=0444
468 file path=etc/sysevent/config/SUNW,EC_dr,ESC_dr_req,sysevent.conf group=sys
469 file path=etc/syslog.conf group=sys preserve=true
470 file path=etc/ttydefs group=sys preserve=true
471 file path=etc/ttysrch group=sys preserve=true
472 file path=etc/user_attr group=sys preserve=true timestamp=19700101T000000Z
473 file path=etc/user_attr.d/SUNWcs group=sys
474 file path=etc/vfstab group=sys preserve=true
475 file path=lib/inet/in.mpathd mode=0555
476 file path=lib/inet/ipmgmt mode=0555
477 file path=lib/inet/netcfgd mode=0555
478 file path=lib/inet/nwamd mode=0555
479 file path=lib/svc/bin/lsvcrun group=sys mode=0555
480 file path=lib/svc/bin/mfstscan group=sys mode=0555
481 file path=lib/svc/bin/restore_repository group=sys mode=0555
482 file path=lib/svc/bin/sqlite group=sys mode=0555
483 file path=lib/svc/bin/svc.configd group=sys mode=0555
484 file path=lib/svc/bin/svc.ipfd group=sys mode=0555
485 file path=lib/svc/bin/svc.startd group=sys mode=0555
486 file path=lib/svc/manifest/milestone/multi-user-server.xml group=sys mode=0444
487 file path=lib/svc/manifest/milestone/multi-user.xml group=sys mode=0444
488 file path=lib/svc/manifest/milestone/name-services.xml group=sys mode=0444
489 file path=lib/svc/manifest/milestone/network.xml group=sys mode=0444
490 file path=lib/svc/manifest/milestone/single-user.xml group=sys mode=0444
491 file path=lib/svc/manifest/milestone/sysconfig.xml group=sys mode=0444
492 file path=lib/svc/manifest/network/dlmgmt.xml group=sys mode=0444
493 file path=lib/svc/manifest/network/dns/client.xml group=sys mode=0444
494 file path=lib/svc/manifest/network/dns/install.xml group=sys mode=0444
495 file path=lib/svc/manifest/network/forwarding.xml group=sys mode=0444
496 file path=lib/svc/manifest/network/inetd-upgrade.xml group=sys mode=0444
497 file path=lib/svc/manifest/network/inetd.xml group=sys mode=0444
498 file path=lib/svc/manifest/network/ipsec/ike.xml group=sys mode=0444
499 file path=lib/svc/manifest/network/ipsec/ipsecalgs.xml group=sys mode=0444
500 file path=lib/svc/manifest/network/ipsec/manual-key.xml group=sys mode=0444
501 file path=lib/svc/manifest/network/ipsec/policy.xml group=sys mode=0444
502 file path=lib/svc/manifest/network/ldap/client.xml group=sys mode=0444
503 file path=lib/svc/manifest/network/network-initial.xml group=sys mode=0444
504 file path=lib/svc/manifest/network/network-install.xml group=sys mode=0444
505 file path=lib/svc/manifest/network/network-ipmgmt.xml group=sys mode=0444
506 file path=lib/svc/manifest/network/network-ipqos.xml group=sys mode=0444
507 file path=lib/svc/manifest/network/network-iptun.xml group=sys mode=0444
508 file path=lib/svc/manifest/network/network-location.xml group=sys mode=0444
509 file path=lib/svc/manifest/network/network-loopback.xml group=sys mode=0444
510 file path=lib/svc/manifest/network/network-netcfg.xml group=sys mode=0444
511 file path=lib/svc/manifest/network/network-ipqos.xml group=sys mode=0444
512 file path=lib/svc/manifest/network/network-physical.xml group=sys mode=0444
513 file path=lib/svc/manifest/network/network-routing-setup.xml group=sys \
514     mode=0444
515 file path=lib/svc/manifest/network/network-service.xml group=sys mode=0444
516 file path=lib/svc/manifest/network/routing/legacy-routing.xml group=sys \
517     mode=0444
518 file path=lib/svc/manifest/network/rpc/bind.xml group=sys mode=0444
519 file path=lib/svc/manifest/network/rpc/keyerv.xml group=sys mode=0444
520 file path=lib/svc/manifest/network/shares/group.xml group=sys mode=0444
```

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

```
587 file path=lib/svc/method/net-loopback mode=0555
588 file path=lib/svc/method/net-netmask mode=0555
589 file path=lib/svc/method/net-nwam mode=0555
590 file path=lib/svc/method/net-physical mode=0555
591 file path=lib/svc/method/net-routing-setup mode=0555
592 file path=lib/svc/method/net-svc mode=0555
593 file path=lib/svc/method/rmtmpfiles mode=0555
594 file path=lib/svc/method/rpc-bind mode=0555
595 file path=lib/svc/method/svc-allocate mode=0555
596 file path=lib/svc/method/svc-auditd mode=0555
597 file path=lib/svc/method/svc-auditset mode=0555
598 file path=lib/svc/method/svc-boot-config mode=0555
599 file path=lib/svc/method/svc-consadm mode=0555
600 file path=lib/svc/method/svc-cron mode=0555
601 file path=lib/svc/method/svc-dlmgmt mode=0555
602 file path=lib/svc/method/svc-forwarding mode=0555
603 $(i386_ONLY)file path=lib/svc/method/svc-hostid mode=0555
604 file path=lib/svc/method/svc-hotplug mode=0555
605 file path=lib/svc/method/svc-legacy-routing mode=0555
606 file path=lib/svc/method/svc-nscd mode=0555
607 file path=lib/svc/method/svc-rbac mode=0555
608 file path=lib/svc/method/svc-sockfilter mode=0555
609 file path=lib/svc/method/svc-utmpd mode=0555
610 file path=lib/svc/method/system-log mode=0555
611 file path=lib/svc/method/vtdaemon mode=0555
612 file path=lib/svc/method/yp mode=0555
613 # global.db is not needed in non-global zones, and it's pretty large.
614 file path=lib/svc/seed/global.db group=sys mode=0444 \
615 variant.opensolaris.zone=global
616 # symmetrically, nonglobal.db is not needed in global zones.
617 file path=lib/svc/seed/nonglobal.db group=sys mode=0444 \
618 variant.opensolaris.zone=nonglobal
619 file path=lib/svc/share/README mode=0444
620 file path=lib/svc/share/fs_include.sh mode=0444
621 file path=lib/svc/share/ipf_include.sh mode=0444
622 file path=lib/svc/share/mfsthistory mode=0444
623 file path=lib/svc/share/net_include.sh mode=0444
624 file path=lib/svc/share/routing_include.sh mode=0444
625 file path=lib/svc/share/smf_include.sh mode=0444
626 file path=root/.bashrc group=root preserve=true
627 file path=root/.profile group=root preserve=true
628 file path=sbin/autopush mode=0555
629 $(i386_ONLY)file path=sbin/biosdev mode=0555
630 file path=sbin/bootadm mode=0555
631 file path=sbin/cryptoadm mode=0555
632 file path=sbin/devprop mode=0555
633 file path=sbin/dhcpagent mode=0555
634 file path=sbin/dhccpinfo mode=0555
635 file path=sbin/dlmgmt mode=0555
636 file path=sbin/fdisk mode=0555
637 file path=sbin/fiocompress mode=0555
638 file path=sbin/hostconfig mode=0555
639 file path=sbin/ifconfig mode=0555
640 file path=sbin/ifparse mode=0555
641 file path=sbin/init group=sys mode=0555
642 $(i386_ONLY)file path=sbin/installgrub group=sys mode=0555
643 file path=sbin/impstat mode=0555
644 file path=sbin/mount mode=0555
645 file path=sbin/mountall group=sys mode=0555
646 file path=sbin/netstrategy mode=0555
647 file path=sbin/rc0 group=sys mode=0744
648 file path=sbin/rc1 group=sys mode=0744
649 file path=sbin/rc2 group=sys mode=0744
650 file path=sbin/rc3 group=sys mode=0744
651 file path=sbin/rcS group=sys mode=0744
652 file path=sbin/route mode=0555
```

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

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

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

```

```

851 file path=usr/bin/tzselect mode=0555
852 file path=usr/bin/userattr mode=0555
853 file path=usr/bin/vmstat mode=0555
854 file path=usr/bin/which mode=0555
855 file path=usr/bin/who mode=0555
856 file path=usr/bin/wracct mode=0555
857 file path=usr/bin/write group=tty mode=2555
858 file path=usr/bin/xargs mode=0555
859 file path=usr/bin/xstr mode=0555
860 file path=usr/has/bin/edit mode=0555
861 file path=usr/has/bin/sh mode=0555
862 file path=usr/has/man/man1has/edit.1has
863 file path=usr/has/man/man1has/ex.1has
864 file path=usr/has/man/man1has/sh.1has
865 file path=usr/has/man/man1has/vi.1has
866 file path=usr/kernel/drv/$(ARCH64)/dump group=sys
867 file path=usr/kernel/drv/$(ARCH64)/fssnap group=sys
868 file path=usr/kernel/drv/$(ARCH64)/kstat group=sys
869 file path=usr/kernel/drv/$(ARCH64)/ksyms group=sys
870 file path=usr/kernel/drv/$(ARCH64)/logindmux group=sys
871 file path=usr/kernel/drv/$(ARCH64)/ptm group=sys
872 file path=usr/kernel/drv/$(ARCH64)/pts group=sys
873 $(i386_ONLY)file path=usr/kernel/drv/dump group=sys
874 file path=usr/kernel/drv/dump.conf group=sys
875 $(i386_ONLY)file path=usr/kernel/drv/fssnap group=sys
876 file path=usr/kernel/drv/fssnap.conf group=sys
877 $(i386_ONLY)file path=usr/kernel/drv/kstat group=sys
878 file path=usr/kernel/drv/kstat.conf group=sys
879 $(i386_ONLY)file path=usr/kernel/drv/ksyms group=sys
880 file path=usr/kernel/drv/ksyms.conf group=sys
881 $(i386_ONLY)file path=usr/kernel/drv/logindmux group=sys
882 file path=usr/kernel/drv/logindmux.conf group=sys
883 $(i386_ONLY)file path=usr/kernel/drv/ptm group=sys
884 file path=usr/kernel/drv/ptm.conf group=sys
885 $(i386_ONLY)file path=usr/kernel/drv/pts group=sys
886 file path=usr/kernel/drv/pts.conf group=sys
887 file path=usr/kernel/exec/$(ARCH64)/javaexec group=sys mode=0755
888 file path=usr/kernel/exec/$(ARCH64)/shbinexec group=sys mode=0755
889 $(i386_ONLY)file path=usr/kernel/exec/javaexec group=sys mode=0755
890 $(i386_ONLY)file path=usr/kernel/exec/shbinexec group=sys mode=0755
891 file path=usr/kernel/fs/$(ARCH64)/fdfs group=sys mode=0755
892 file path=usr/kernel/fs/$(ARCH64)/pcfs group=sys mode=0755
893 $(i386_ONLY)file path=usr/kernel/fs/fdfs group=sys mode=0755
894 $(i386_ONLY)file path=usr/kernel/fs/pcfs group=sys mode=0755
895 file path=usr/kernel/sched/$(ARCH64)/FX group=sys mode=0755
896 file path=usr/kernel/sched/$(ARCH64)/FX_DPTBL group=sys mode=0755
897 file path=usr/kernel/sched/$(ARCH64)/IA group=sys mode=0755
898 file path=usr/kernel/sched/$(ARCH64)/RT group=sys mode=0755
899 file path=usr/kernel/sched/$(ARCH64)/RT_DPTBL group=sys mode=0755
900 $(i386_ONLY)file path=usr/kernel/sched/FX group=sys mode=0755
901 $(i386_ONLY)file path=usr/kernel/sched/FX_DPTBL group=sys mode=0755
902 $(i386_ONLY)file path=usr/kernel/sched/IA group=sys mode=0755
903 $(i386_ONLY)file path=usr/kernel/sched/RT group=sys mode=0755
904 $(i386_ONLY)file path=usr/kernel/sched/RT_DPTBL group=sys mode=0755
905 file path=usr/kernel/strmod/$(ARCH64)/cryptmod group=sys mode=0755
906 file path=usr/kernel/strmod/$(ARCH64)/rlmod group=sys mode=0755
907 file path=usr/kernel/strmod/$(ARCH64)/telmod group=sys mode=0755
908 $(i386_ONLY)file path=usr/kernel/strmod/cryptmod group=sys mode=0755
909 $(i386_ONLY)file path=usr/kernel/strmod/rlmod group=sys mode=0755
910 $(i386_ONLY)file path=usr/kernel/strmod/telmod group=sys mode=0755
911 file path=usr/kernel/sys/$(ARCH64)/acctctl group=sys mode=0755
912 file path=usr/kernel/sys/$(ARCH64)/exacctsys group=sys mode=0755
913 file path=usr/kernel/sys/$(ARCH64)/sysacct group=sys mode=0755
914 $(i386_ONLY)file path=usr/kernel/sys/acctctl group=sys mode=0755
915 $(i386_ONLY)file path=usr/kernel/sys/exacctsys group=sys mode=0755
916 $(i386_ONLY)file path=usr/kernel/sys/sysacct group=sys mode=0755

```

```

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

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

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1049 file path=usr/lib/help/auths/locale/C/SmfExAcctTaskStates.html
1050 file path=usr/lib/help/auths/locale/C/SmfHeader.html
1051 file path=usr/lib/help/auths/locale/C/SmfILBStates.html
1052 file path=usr/lib/help/auths/locale/C/SmfIPSecStates.html
1053 file path=usr/lib/help/auths/locale/C/SmfIdmapStates.html
1054 file path=usr/lib/help/auths/locale/C/SmfInetdStates.html
1055 file path=usr/lib/help/auths/locale/C/SmfLocationStates.html
1056 file path=usr/lib/help/auths/locale/C/SmfMDNSStates.html
1057 file path=usr/lib/help/auths/locale/C/SmfManageAudit.html
1058 file path=usr/lib/help/auths/locale/C/SmfManageHeader.html
1059 file path=usr/lib/help/auths/locale/C/SmfManageHotplug.html
1060 file path=usr/lib/help/auths/locale/C/SmfManageZFSSnap.html
1061 file path=usr/lib/help/auths/locale/C/SmfModifyAppl.html
1062 file path=usr/lib/help/auths/locale/C/SmfModifyDepend.html
1063 file path=usr/lib/help/auths/locale/C/SmfModifyFramework.html
1064 file path=usr/lib/help/auths/locale/C/SmfModifyHeader.html
1065 file path=usr/lib/help/auths/locale/C/SmfModifyMethod.html
1066 file path=usr/lib/help/auths/locale/C/SmfNADDStates.html
1067 file path=usr/lib/help/auths/locale/C/SmfNDMPStates.html
1068 file path=usr/lib/help/auths/locale/C/SmfNWAMStates.html
1069 file path=usr/lib/help/auths/locale/C/SmfNscdStates.html
1070 file path=usr/lib/help/auths/locale/C/SmfPowerStates.html
1071 file path=usr/lib/help/auths/locale/C/SmfReparsedStates.html
1072 file path=usr/lib/help/auths/locale/C/SmfRoutingStates.html
1073 file path=usr/lib/help/auths/locale/C/SmfSMBFSStates.html
1074 file path=usr/lib/help/auths/locale/C/SmfSMBStates.html
1075 file path=usr/lib/help/auths/locale/C/SmfSendmailStates.html
1076 file path=usr/lib/help/auths/locale/C/SmfSshStates.html
1077 file path=usr/lib/help/auths/locale/C/SmfSyslogStates.html
1078 file path=usr/lib/help/auths/locale/C/SmfVRRPStates.html
1079 file path=usr/lib/help/auths/locale/C/SmfValueAudit.html
1080 file path=usr/lib/help/auths/locale/C/SmfValueCoreadm.html
1081 file path=usr/lib/help/auths/locale/C/SmfValueExAcctFlow.html
1082 file path=usr/lib/help/auths/locale/C/SmfValueExAcctNet.html
1083 file path=usr/lib/help/auths/locale/C/SmfValueExAcctProcess.html
1084 file path=usr/lib/help/auths/locale/C/SmfValueExAcctTask.html
1085 file path=usr/lib/help/auths/locale/C/SmfValueFirewall.html
1086 file path=usr/lib/help/auths/locale/C/SmfValueHeader.html
1087 file path=usr/lib/help/auths/locale/C/SmfValueIPsec.html
1088 file path=usr/lib/help/auths/locale/C/SmfValueIdmap.html
1089 file path=usr/lib/help/auths/locale/C/SmfValueInetd.html
1090 file path=usr/lib/help/auths/locale/C/SmfValueMDNS.html
1091 file path=usr/lib/help/auths/locale/C/SmfValueNADD.html
1092 file path=usr/lib/help/auths/locale/C/SmfValueNDMP.html
1093 file path=usr/lib/help/auths/locale/C/SmfValueNWAM.html
1094 file path=usr/lib/help/auths/locale/C/SmfValueRouting.html
1095 file path=usr/lib/help/auths/locale/C/SmfValueSMB.html
1096 file path=usr/lib/help/auths/locale/C/SmfValueVscan.html
1097 file path=usr/lib/help/auths/locale/C/SmfValueVt.html
1098 file path=usr/lib/help/auths/locale/C/SmfVscanStates.html
1099 file path=usr/lib/help/auths/locale/C/SmfVtStates.html
1100 file path=usr/lib/help/auths/locale/C/SmfWpaStates.html
1101 file path=usr/lib/help/auths/locale/C/SysCpuPowerMgmt.html
1102 file path=usr/lib/help/auths/locale/C/SysDate.html
1103 file path=usr/lib/help/auths/locale/C/SysHeader.html
1104 file path=usr/lib/help/auths/locale/C/SysMaintenance.html
1105 file path=usr/lib/help/auths/locale/C/SysPowerMgmtBrightness.html
1106 file path=usr/lib/help/auths/locale/C/SysPowerMgmtHeader.html
1107 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspend.html
1108 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoDisk.html
1109 file path=usr/lib/help/auths/locale/C/SysPowerMgmtSuspendtoRAM.html
1110 file path=usr/lib/help/auths/locale/C/SysShutdown.html
1111 file path=usr/lib/help/auths/locale/C/SysSyseventRead.html
1112 file path=usr/lib/help/auths/locale/C/SysSyseventWrite.html
1113 file path=usr/lib/help/auths/locale/C/WifiConfig.html
1114 file path=usr/lib/help/auths/locale/C/WifiWep.html

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1115 file path=usr/lib/help/auths/locale/C/ZoneCloneFrom.html
1116 file path=usr/lib/help/auths/locale/C/ZoneHeader.html
1117 file path=usr/lib/help/auths/locale/C/ZoneLogin.html
1118 file path=usr/lib/help/auths/locale/C/ZoneManage.html
1119 file path=usr/lib/help/profiles/locale/C/RtAcctadm.html
1120 file path=usr/lib/help/profiles/locale/C/RtAll.html
1121 file path=usr/lib/help/profiles/locale/C/RtAuditCfg.html
1122 file path=usr/lib/help/profiles/locale/C/RtAuditCtrl.html
1123 file path=usr/lib/help/profiles/locale/C/RtAuditReview.html
1124 file path=usr/lib/help/profiles/locale/C/RtCPUPowerManagement.html
1125 file path=usr/lib/help/profiles/locale/C/RtConsUser.html
1126 file path=usr/lib/help/profiles/locale/C/RtContractObserver.html
1127 file path=usr/lib/help/profiles/locale/C/RtCronMngmnt.html
1128 file path=usr/lib/help/profiles/locale/C/RtCryptoMngmnt.html
1129 file path=usr/lib/help/profiles/locale/C/RtDHCPMngmnt.html
1130 file path=usr/lib/help/profiles/locale/C/RtDataAdmin.html
1131 file path=usr/lib/help/profiles/locale/C/RtDefault.html
1132 file path=usr/lib/help/profiles/locale/C/RtDeviceMngmnt.html
1133 file path=usr/lib/help/profiles/locale/C/RtDeviceSecurity.html
1134 file path=usr/lib/help/profiles/locale/C/RtExAcctFlow.html
1135 file path=usr/lib/help/profiles/locale/C/RtExAcctNet.html
1136 file path=usr/lib/help/profiles/locale/C/RtExAcctProcess.html
1137 file path=usr/lib/help/profiles/locale/C/RtExAcctTask.html
1138 file path=usr/lib/help/profiles/locale/C/RtFTPMngmnt.html
1139 file path=usr/lib/help/profiles/locale/C/RtFileSysMngmnt.html
1140 file path=usr/lib/help/profiles/locale/C/RtFileSysSecurity.html
1141 file path=usr/lib/help/profiles/locale/C/RtHotplugMngmnt.html
1142 file path=usr/lib/help/profiles/locale/C/RtIPFilterMngmnt.html
1143 file path=usr/lib/help/profiles/locale/C/RtIdmapMngmnt.html
1144 file path=usr/lib/help/profiles/locale/C/RtIdmapNameRulesMngmnt.html
1145 file path=usr/lib/help/profiles/locale/C/RtInetdMngmnt.html
1146 file path=usr/lib/help/profiles/locale/C/RtKerberosClnMngmnt.html
1147 file path=usr/lib/help/profiles/locale/C/RtKerberosSrvrMngmnt.html
1148 file path=usr/lib/help/profiles/locale/C/RtLogMngmnt.html
1149 file path=usr/lib/help/profiles/locale/C/RtMailMngmnt.html
1150 file path=usr/lib/help/profiles/locale/C/RtMaintAndRepair.html
1151 file path=usr/lib/help/profiles/locale/C/RtMediaBkup.html
1152 file path=usr/lib/help/profiles/locale/C/RtMediaCtlg.html
1153 file path=usr/lib/help/profiles/locale/C/RtMediaRestore.html
1154 file path=usr/lib/help/profiles/locale/C/RtNDMPMngmnt.html
1155 file path=usr/lib/help/profiles/locale/C/RtNameServiceAdmin.html
1156 file path=usr/lib/help/profiles/locale/C/RtNameServiceSecure.html
1157 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfAdmin.html
1158 file path=usr/lib/help/profiles/locale/C/RtNetAutoconfUser.html
1159 file path=usr/lib/help/profiles/locale/C/RtNetILB.html
1160 file path=usr/lib/help/profiles/locale/C/RtNetIPsec.html
1161 file path=usr/lib/help/profiles/locale/C/RtNetLinkSecure.html
1162 file path=usr/lib/help/profiles/locale/C/RtNetMngmnt.html
1163 file path=usr/lib/help/profiles/locale/C/RtNetObservability.html
1164 file path=usr/lib/help/profiles/locale/C/RtNetSecure.html
1165 file path=usr/lib/help/profiles/locale/C/RtNetVRRP.html
1166 file path=usr/lib/help/profiles/locale/C/RtNetWifiMngmnt.html
1167 file path=usr/lib/help/profiles/locale/C/RtNetWifiSecure.html
1168 file path=usr/lib/help/profiles/locale/C/RtObAccessMngmnt.html
1169 file path=usr/lib/help/profiles/locale/C/RtOperator.html
1170 file path=usr/lib/help/profiles/locale/C/RtPriAdmin.html
1171 file path=usr/lib/help/profiles/locale/C/RtPrntAdmin.html
1172 file path=usr/lib/help/profiles/locale/C/RtProcManagement.html
1173 file path=usr/lib/help/profiles/locale/C/RtReparseMngmnt.html
1174 file path=usr/lib/help/profiles/locale/C/RtReservedProfile.html
1175 file path=usr/lib/help/profiles/locale/C/RtRightsDelegate.html
1176 file path=usr/lib/help/profiles/locale/C/RtSMBFSMngmnt.html
1177 file path=usr/lib/help/profiles/locale/C/RtSMBMngmnt.html
1178 file path=usr/lib/help/profiles/locale/C/RtSoftwareInstall.html
1179 file path=usr/lib/help/profiles/locale/C/RtSysAdmin.html
1180 file path=usr/lib/help/profiles/locale/C/RtSysEvMngmnt.html

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1181 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmt.html
1182 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtBrightness.html
1183 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspend.html
1184 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoDisk.html
1185 file path=usr/lib/help/profiles/locale/C/RtSysPowerMgmtSuspendtoRAM.html
1186 file path=usr/lib/help/profiles/locale/C/RtUserMngmnt.html
1187 file path=usr/lib/help/profiles/locale/C/RtUserSecurity.html
1188 file path=usr/lib/help/profiles/locale/C/RtVscanMngmnt.html
1189 file path=usr/lib/help/profiles/locale/C/RtZFSFileSysMngmnt.html
1190 file path=usr/lib/help/profiles/locale/C/RtZFSStorageMngmnt.html
1191 file path=usr/lib/help/profiles/locale/C/RtZoneMngmnt.html
1192 file path=usr/lib/help/profiles/locale/C/RtZoneSecurity.html
1193 file path=usr/lib/hotpluggd mode=0555
1194 file path=usr/lib/iconv/646da.8859.t mode=0444
1195 file path=usr/lib/iconv/646de.8859.t mode=0444
1196 file path=usr/lib/iconv/646en.8859.t mode=0444
1197 file path=usr/lib/iconv/646es.8859.t mode=0444
1198 file path=usr/lib/iconv/646fr.8859.t mode=0444
1199 file path=usr/lib/iconv/646it.8859.t mode=0444
1200 file path=usr/lib/iconv/646sv.8859.t mode=0444
1201 file path=usr/lib/iconv/8859.646.t mode=0444
1202 file path=usr/lib/iconv/8859.646da.t mode=0444
1203 file path=usr/lib/iconv/8859.646de.t mode=0444
1204 file path=usr/lib/iconv/8859.646en.t mode=0444
1205 file path=usr/lib/iconv/8859.646es.t mode=0444
1206 file path=usr/lib/iconv/8859.646fr.t mode=0444
1207 file path=usr/lib/iconv/8859.646it.t mode=0444
1208 file path=usr/lib/iconv/8859.646sv.t mode=0444
1209 file path=usr/lib/iconv/iconv.data mode=0444
1210 file path=usr/lib/idmapd mode=0555
1211 file path=usr/lib/inet/$(ARCH32)/in.iked mode=0555
1212 file path=usr/lib/inet/$(ARCH64)/in.iked mode=0555
1213 file path=usr/lib/inet/certdb mode=0555
1214 file path=usr/lib/inet/certlocal mode=0555
1215 file path=usr/lib/inet/certlrb mode=0555
1216 file path=usr/lib/inet/inetd mode=0555
1217 file path=usr/lib/intrd mode=0555
1218 file path=usr/lib/isaexec mode=0555
1219 file path=usr/lib/kssladm mode=0555
1220 file $(sparc_ONLY)file path=usr/lib/ld.so
1221 file path=usr/lib/libshare.so.1
1222 file path=usr/lib/makekey mode=0555
1223 file path=usr/lib/more.help
1224 file path=usr/lib/newsyslog group=sys mode=0555
1225 file path=usr/lib/passmgmt group=sys mode=0555
1226 file path=usr/lib/pci/pcidr mode=0555
1227 file path=usr/lib/pci/pcidr_plugin.so
1228 file path=usr/lib/pfexecd mode=0555
1229 file path=usr/lib/platexec mode=0555
1230 file path=usr/lib/rcm/modules/SUNW_aggr_rcm.so mode=0555
1231 file path=usr/lib/rcm/modules/SUNW_cluster_rcm.so mode=0555
1232 file path=usr/lib/rcm/modules/SUNW_dump_rcm.so mode=0555
1233 file path=usr/lib/rcm/modules/SUNW_filesys_rcm.so mode=0555
1234 file path=usr/lib/rcm/modules/SUNW_ibpart_rcm.so mode=0555
1235 file path=usr/lib/rcm/modules/SUNW_ip_anon_rcm.so mode=0555
1236 file path=usr/lib/rcm/modules/SUNW_ip_rcm.so mode=0555
1237 file path=usr/lib/rcm/modules/SUNW_mpxio_rcm.so mode=0555
1238 file path=usr/lib/rcm/modules/SUNW_network_rcm.so mode=0555
1239 file path=usr/lib/rcm/modules/SUNW_swap_rcm.so mode=0555
1240 file $(sparc_ONLY)file path=usr/lib/rcm/modules/SUNW_ttymux_rcm.so mode=0555
1241 file path=usr/lib/rcm/modules/SUNW_vlan_rcm.so mode=0555
1242 file path=usr/lib/rcm/modules/SUNW_vnic_rcm.so mode=0555
1243 file path=usr/lib/rcm/rcm_daemon mode=0555
1244 file path=usr/lib/reparsed/reparsed group=sys mode=0555
1245 file path=usr/lib/saf/listen group=sys mode=0755
1246 file path=usr/lib/saf/nlps_server group=sys mode=0755
```

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1247 file path=usr/lib/saf/sac group=sys mode=0555
1248 file path=usr/lib/saf/ttymon group=sys mode=0555
1249 file path=usr/lib/sysevent/modules/datalink_mod.so
1250 file path=usr/lib/sysevent/modules/devfsadmd_mod.so
1251 file path=usr/lib/sysevent/modules/sysevent_conf_mod.so
1252 file path=usr/lib/sysevent/modules/sysevent_reg_mod.so
1253 file path=usr/lib/sysevent/syseventconfd mode=0555
1254 file path=usr/lib/sysevent/syseventd mode=0555
1255 file path=usr/lib/utmp_update mode=4555
1256 file path=usr/lib/utmpd mode=0555
1257 file path=usr/lib/vtdaemon mode=0555
1258 file path=usr/lib/vtinfo mode=0555
1259 file path=usr/lib/vtxlock mode=0555
1260 file path=usr/sadm/bin/puttext mode=0555
1261 file path=usr/sadm/install/miniroot.db group=sys mode=0444
1262 file path=usr/sadm/install/scripts/i.ipsecalgs group=sys mode=0555
1263 file path=usr/sadm/install/scripts/i.kcfcconf group=sys mode=0555
1264 file path=usr/sadm/install/scripts/i.kmfconf group=sys mode=0555
1265 file path=usr/sadm/install/scripts/i.manifest group=sys mode=0555
1266 file path=usr/sadm/install/scripts/i.pkcs11conf group=sys mode=0555
1267 file path=usr/sadm/install/scripts/i.rbac group=sys mode=0555
1268 file path=usr/sadm/install/scripts/r.ipsecalgs group=sys mode=0555
1269 file path=usr/sadm/install/scripts/r.kcfcconf group=sys mode=0555
1270 file path=usr/sadm/install/scripts/r.kmfconf group=sys mode=0555
1271 file path=usr/sadm/install/scripts/r.manifest group=sys mode=0555
1272 file path=usr/sadm/install/scripts/r.pkcs11conf group=sys mode=0555
1273 file path=usr/sadm/install/scripts/r.rbac group=sys mode=0555
1274 file path=usr/sadm/updates mode=0444
1275 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/add_drv group=sys mode=0555
1276 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modinfo group=sys mode=0555
1277 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modload group=sys mode=0555
1278 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/modunload group=sys mode=0555
1279 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/pbind group=sys mode=0555
1280 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/prtconf group=sys mode=2555
1281 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/psrset group=sys mode=0555
1282 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/rem_drv group=sys mode=0555
1283 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/swap group=sys mode=2555
1284 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/sysdef group=sys mode=2555
1285 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/update_drv group=sys mode=0555
1286 file $(i386_ONLY)file path=usr/sbin/$(ARCH32)/whodo mode=4555
1287 file path=usr/sbin/$(ARCH64)/add_drv group=sys mode=0555
1288 file path=usr/sbin/$(ARCH64)/modinfo group=sys mode=0555
1289 file path=usr/sbin/$(ARCH64)/modload group=sys mode=0555
1290 file path=usr/sbin/$(ARCH64)/modunload group=sys mode=0555
1291 file path=usr/sbin/$(ARCH64)/pbind group=sys mode=0555
1292 file path=usr/sbin/$(ARCH64)/prtconf group=sys mode=2555
1293 file path=usr/sbin/$(ARCH64)/psrset group=sys mode=0555
1294 file path=usr/sbin/$(ARCH64)/rem_drv group=sys mode=0555
1295 file path=usr/sbin/$(ARCH64)/swap group=sys mode=2555
1296 file path=usr/sbin/$(ARCH64)/sysdef group=sys mode=2555
1297 file path=usr/sbin/$(ARCH64)/update_drv group=sys mode=0555
1298 file path=usr/sbin/$(ARCH64)/whodo mode=4555
1299 file path=usr/sbin/6to4relay mode=0555
1300 file path=usr/sbin/acctadm mode=0555
1301 file path=usr/sbin/allocate mode=4555
1302 file path=usr/sbin/arp mode=0555
1303 file path=usr/sbin/audit mode=0555
1304 file path=usr/sbin/auditconfig mode=0555
1305 file path=usr/sbin/auditd mode=0555
1306 file path=usr/sbin/auditrecord mode=0555
1307 file path=usr/sbin/auditreduce mode=0555
1308 file path=usr/sbin/auditstat mode=0555
1309 file path=usr/sbin/cfgadm mode=0555
1310 file path=usr/sbin/chroot mode=0555
1311 file path=usr/sbin/clear_locks mode=0555
1312 file path=usr/sbin/cinfo mode=0555
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1313 file path=usr/sbin/clri mode=0555
1314 file path=usr/sbin/consadm group=sys mode=0555
1315 file path=usr/sbin/cron group=sys mode=0555
1316 file path=usr/sbin/devfsadm group=sys mode=0755
1317 file path=usr/sbin/devinfo mode=0555
1318 file path=usr/sbin/df mode=0555
1319 file path=usr/sbin/dfmounts mode=0555
1320 file path=usr/sbin/dispadm mode=0555
1321 file path=usr/sbin/dminfo mode=0555
1322 file path=usr/sbin/dumpadm mode=0555
1323 file path=usr/sbin/EEPROM group=sys mode=2555
1324 file path=usr/sbin/ff mode=0555
1325 file path=usr/sbin/fmthard group=sys mode=0555
1326 file path=usr/sbin/format mode=0555
1327 file path=usr/sbin/fsck mode=0555
1328 file path=usr/sbin/fstyp group=sys mode=0555
1329 file path=usr/sbin/fuser mode=0555
1330 file path=usr/sbin/getdevpolicy group=sys mode=0555
1331 file path=usr/sbin/getmajor group=sys mode=0755
1332 file path=usr/sbin/groupadd group=sys mode=0555
1333 file path=usr/sbin/groupdel group=sys mode=0555
1334 file path=usr/sbin/groupmod group=sys mode=0555
1335 file path=usr/sbin/grpck mode=0555
1336 file path=usr/sbin/halt mode=0755
1337 file path=usr/sbin/hotplug mode=0555
1338 file path=usr/sbin/idmap mode=0555
1339 file path=usr/sbin/ifmpadm mode=0555
1340 file path=usr/sbin/ikeadm mode=0555
1341 file path=usr/sbin/ikecert mode=0555
1342 file path=usr/sbin/inetadm mode=0555
1343 file path=usr/sbin/inetconv mode=0555
1344 file path=usr/sbin/install mode=0555
1345 file path=usr/sbin/installboot group=sys mode=0555
1346 file path=usr/sbin/ipaddrsel mode=0555
1347 file path=usr/sbin/ipsecalg mode=0555
1348 file path=usr/sbin/ipsecconf mode=0555
1349 file path=usr/sbin/ipseckey mode=0555
1350 file path=usr/sbin/keyserv group=sys mode=0555
1351 file path=usr/sbin/killall mode=0555
1352 file path=usr/sbin/ksslcfg mode=0555
1353 file path=usr/sbin/link mode=0555
1354 file path=usr/sbin/locator mode=0555
1355 file path=usr/sbin/lofiadm mode=0555
1356 file path=usr/sbin/logadm mode=0555
1357 file path=usr/sbin/makedbm mode=0555
1358 file path=usr/sbin/mkdevalloc mode=0555
1359 file path=usr/sbin/mkfile mode=0555
1360 file path=usr/sbin/mknod mode=0555
1361 file path=usr/sbin/mountall group=sys mode=0555
1362 file path=usr/sbin/msgid mode=0555
1363 file path=usr/sbin/mvdir mode=0555
1364 file path=usr/sbin/ndd mode=0555
1365 file path=usr/sbin/nlsadmin group=adm mode=0755
1366 file path=usr/sbin/nscd mode=0555
1367 file path=usr/sbin/nwamadm mode=0555
1368 file path=usr/sbin/nwamcfg mode=0555
1369 file path=usr/sbin/pmadm group=sys mode=0555
1370 file path=usr/sbin/praudit mode=0555
1371 $(i386_ONLY)file path=usr/sbin/prtdiag group=sys mode=2755
1372 file path=usr/sbin/prvtoc group=sys mode=0555
1373 file path=usr/sbin/psradm group=sys mode=0555
1374 file path=usr/sbin/psrinfo group=sys mode=0555
1375 file path=usr/sbin/pwck mode=0555
1376 file path=usr/sbin/pwconv group=sys mode=0555
1377 file path=usr/sbin/raidctl mode=0555
1378 file path=usr/sbin/ramdiskadm mode=0555

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1379 file path=usr/sbin/rctldm mode=0555
1380 file path=usr/sbin/root_archive group=sys mode=0555
1381 file path=usr/sbin/rpcbind mode=0555
1382 $(i386_ONLY)file path=usr/sbin/rtc mode=0555
1383 file path=usr/sbin/sacadm group=sys mode=4755
1384 file path=usr/sbin/setmnt mode=0555
1385 file path=usr/sbin/shareall mode=0555
1386 file path=usr/sbin/sharectl mode=0555
1387 file path=usr/sbin/sharemgr mode=0555
1388 file path=usr/sbin/shutdown group=sys mode=0755
1389 file path=usr/sbin/smbios mode=0555
1390 file path=usr/sbin/stmsboot mode=0555
1391 file path=usr/sbin/strace group=sys mode=0555
1392 file path=usr/sbin/strclean group=sys mode=0555
1393 file path=usr/sbin/strerr group=sys mode=0555
1394 file path=usr/sbin/sttydefs group=sys mode=0755
1395 file path=usr/sbin/svcadm mode=0555
1396 file path=usr/sbin/svccfg mode=0555
1397 file path=usr/sbin/syncinit mode=0555
1398 file path=usr/sbin/syncloop mode=0555
1399 file path=usr/sbin/syncstat mode=0555
1400 file path=usr/sbin/syseventadm group=sys mode=0555
1401 file path=usr/sbin/syslogd group=sys mode=0555
1402 file path=usr/sbin/tar mode=0555
1403 file path=usr/sbin/traceroute mode=4555
1404 file path=usr/sbin/trapstat mode=0555
1405 file path=usr/sbin/ttyadm group=sys mode=0755
1406 $(i386_ONLY)file path=usr/sbin/ucodeadm mode=0555
1407 file path=usr/sbin/umountall group=sys mode=0555
1408 file path=usr/sbin/unlink mode=0555
1409 file path=usr/sbin/unshareall mode=0555
1410 file path=usr/sbin/useradd group=sys mode=0555
1411 file path=usr/sbin/userdel group=sys mode=0555
1412 file path=usr/sbin/usermod group=sys mode=0555
1413 $(sparc_ONLY)file path=usr/sbin/virtinfo mode=0555
1414 file path=usr/sbin/volcopy mode=0555
1415 file path=usr/sbin/wall group=tty mode=2555
1416 file path=usr/sbin/zdump mode=0555
1417 file path=usr/sbin/zic mode=0555
1418 file path=usr/share/doc/ksh/COMPATIBILITY
1419 file path=usr/share/doc/ksh/DESIGN
1420 file path=usr/share/doc/ksh/OBSOLETE
1421 file path=usr/share/doc/ksh/README
1422 file path=usr/share/doc/ksh/RELEASE
1423 file path=usr/share/doc/ksh/TYPES
1424 file path=usr/share/doc/ksh/images/callouts/1.png
1425 file path=usr/share/doc/ksh/images/callouts/10.png
1426 file path=usr/share/doc/ksh/images/callouts/2.png
1427 file path=usr/share/doc/ksh/images/callouts/3.png
1428 file path=usr/share/doc/ksh/images/callouts/4.png
1429 file path=usr/share/doc/ksh/images/callouts/5.png
1430 file path=usr/share/doc/ksh/images/callouts/6.png
1431 file path=usr/share/doc/ksh/images/callouts/7.png
1432 file path=usr/share/doc/ksh/images/callouts/8.png
1433 file path=usr/share/doc/ksh/images/callouts/9.png
1434 file path=usr/share/doc/ksh/images/tag_bourne.png
1435 file path=usr/share/doc/ksh/images/tag_i18n.png
1436 file path=usr/share/doc/ksh/images/tag_ksh.png
1437 file path=usr/share/doc/ksh/images/tag_ksh88.png
1438 file path=usr/share/doc/ksh/images/tag_ksh93.png
1439 file path=usr/share/doc/ksh/images/tag_l10n.png
1440 file path=usr/share/doc/ksh/images/tag_perf.png
1441 file path=usr/share/doc/ksh/shell_styleguide.docbook
1442 file path=usr/share/doc/ksh/shell_styleguide.html
1443 file path=usr/share/lib/mailx/mailx.help
1444 file path=usr/share/lib/mailx/mailx.help.~

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```
1445 file path=usr/share/lib/tabset/3101
1446 file path=usr/share/lib/tabset/beehive
1447 file path=usr/share/lib/tabset/hds
1448 file path=usr/share/lib/tabset/hds3
1449 file path=usr/share/lib/tabset/std
1450 file path=usr/share/lib/tabset/stdcrt
1451 file path=usr/share/lib/tabset/teleray
1452 file path=usr/share/lib/tabset/vt100
1453 file path=usr/share/lib/tabset/wyse-adds
1454 file path=usr/share/lib/tabset/xerox1720
1455 file path=usr/share/lib/termcap
1456 file path=usr/share/lib/unittab
1457 file path=usr/share/lib/xml/dtd/adt_record.dtd.1
1458 file path=usr/share/lib/xml/dtd/kmfpolicy.dtd
1459 file path=usr/share/lib/xml/dtd/service_bundle.dtd.1 group=sys
1460 file path=usr/share/lib/xml/style/adt_record.xsl.1
1461 file path=var/adm/aculog mode=0600 owner=uucp preserve=true
1462 file path=var/adm/spellhist mode=0666 preserve=true
1463 file path=var/adm/utmpx preserve=true
1464 file path=var/adm/wtmpx group=adm owner=adm preserve=true
1465 file path=var/log/authlog group=sys mode=0600 preserve=true
1466 file path=var/log/syslog group=sys preserve=true
1470 file path=var/sadm/system/admin/default_java group=sys mode=0444
1467 file path=var/saf/zsmon/log group=sys preserve=true
1468 file path=var/spool/cron/crontabs/adm group=sys mode=0600 preserve=true
1469 file path=var/spool/cron/crontabs/root group=sys mode=0600 preserve=true
1470 hardlink path=etc/rc2.d/S20syssetup target=../etc/init.d/syssetup
1471 hardlink path=etc/rc2.d/S73cachefs.daemon \
1472     target=../etc/init.d/cachefs.daemon
1473 hardlink path=etc/rc2.d/S89PRESERVE target=../etc/init.d/PRESERVE
1474 $(sparc_ONLY)hardlink path=etc/svc/profile/platform_SUNW,Sun-Fire-V890.xml \
1475     target=platform_SUNW,Sun-Fire-880.xml
1476 $(sparc_ONLY)hardlink \
1477     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-40.xml \
1478     target=platform_SUNW,UltraSPARC-IIi-Netract.xml
1479 $(sparc_ONLY)hardlink \
1480     path=etc/svc/profile/platform_SUNW,UltraSPARC-IIe-NetraCT-60.xml \
1481     target=platform_SUNW,UltraSPARC-IIi-Netract.xml
1482 hardlink path=sbin/rc5 target=../sbin/rc0
1483 hardlink path=sbin/rc6 target=../sbin/rc0
1484 hardlink path=usr/bin/$(ARCH32)/encrypt target=decrypt
1485 hardlink path=usr/bin/$(ARCH32)/ksh target=ksh93
1486 hardlink path=usr/bin/$(ARCH32)/mac target=digest
1487 hardlink path=usr/bin/$(ARCH32)/rksh target=ksh93
1488 hardlink path=usr/bin/$(ARCH32)/rksh93 target=ksh93
1489 $(i386_ONLY)hardlink path=usr/bin/$(ARCH32)/w target=uptime
1490 hardlink path=usr/bin/$(ARCH64)/encrypt target=decrypt
1491 hardlink path=usr/bin/$(ARCH64)/ksh target=ksh93
1492 hardlink path=usr/bin/$(ARCH64)/mac target=digest
1493 hardlink path=usr/bin/$(ARCH64)/rksh target=ksh93
1494 hardlink path=usr/bin/$(ARCH64)/rksh93 target=ksh93
1495 hardlink path=usr/bin/$(ARCH64)/w target=uptime
1496 hardlink path=usr/bin/bg target=../usr/bin/alias
1497 hardlink path=usr/bin/cd target=../usr/bin/alias
1498 hardlink path=usr/bin/cksum target=../usr/bin/alias
1499 hardlink path=usr/bin/cmp target=../usr/bin/alias
1500 hardlink path=usr/bin/comm target=../usr/bin/alias
1501 hardlink path=usr/bin/command target=../usr/bin/alias
1502 hardlink path=usr/bin/cut target=../usr/bin/alias
1503 hardlink path=usr/bin/decrypt target=../usr/lib/isaexec
1504 hardlink path=usr/bin/digest target=../usr/lib/isaexec
1505 hardlink path=usr/bin/dispgid target=../usr/bin/ckgid
1506 hardlink path=usr/bin/dispuid target=../usr/bin/ckuid
1507 hardlink path=usr/bin/edit target=../has/bin/edit
1508 hardlink path=usr/bin/encrypt target=../usr/lib/isaexec
1509 hardlink path=usr/bin/fc target=../usr/bin/alias
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1510 hardlink path=usr/bin/fg target=../usr/bin/alias
1511 hardlink path=usr/bin/getopts target=../usr/bin/alias
1512 hardlink path=usr/bin/hash target=../usr/bin/alias
1513 hardlink path=usr/bin/jobs target=../usr/bin/alias
1514 hardlink path=usr/bin/join target=../usr/bin/alias
1515 hardlink path=usr/bin/kill target=../usr/bin/alias
1516 hardlink path=usr/bin/ksh target=../usr/lib/isaexec
1517 hardlink path=usr/bin/ksh93 target=../usr/lib/isaexec
1518 hardlink path=usr/bin/ln target=../usr/bin/cp
1519 hardlink path=usr/bin/logname target=../usr/bin/alias
1520 hardlink path=usr/bin/mac target=../usr/lib/isaexec
1521 hardlink path=usr/bin/mv target=../usr/bin/cp
1522 hardlink path=usr/bin/newtask target=../usr/lib/isaexec
1523 hardlink path=usr/bin/nohup target=../usr/bin/isaexec
1524 hardlink path=usr/bin/page target=../usr/bin/more
1525 hardlink path=usr/bin/paste target=../usr/bin/alias
1526 hardlink path=usr/bin/pfbash target=../usr/bin/pfexec
1527 hardlink path=usr/bin/pfcsch target=../usr/bin/pfexec
1528 hardlink path=usr/bin/pfksh target=../usr/bin/pfexec
1529 hardlink path=usr/bin/pfksh93 target=../usr/bin/pfexec
1530 hardlink path=usr/bin/pfrksh target=../usr/bin/pfexec
1531 hardlink path=usr/bin/pfrksh93 target=../usr/bin/pfexec
1532 hardlink path=usr/bin/pfsh target=../usr/bin/pfexec
1533 hardlink path=usr/bin/pftcsh target=../usr/bin/pfexec
1534 hardlink path=usr/bin/pfzsh target=../usr/bin/pfexec
1535 hardlink path=usr/bin/pkill target=../usr/bin/pgrep
1536 hardlink path=usr/bin/prctl target=../usr/lib/isaexec
1537 hardlink path=usr/bin/print target=../usr/bin/alias
1538 hardlink path=usr/bin/prstat target=../usr/lib/isaexec
1539 hardlink path=usr/bin/ps target=../usr/lib/isaexec
1540 hardlink path=usr/bin/read target=../usr/bin/alias
1541 hardlink path=usr/bin/red target=../usr/bin/ed
1542 hardlink path=usr/bin/rev target=../usr/bin/alias
1543 hardlink path=usr/bin/rksh target=../usr/lib/isaexec
1544 hardlink path=usr/bin/rksh93 target=../usr/lib/isaexec
1545 hardlink path=usr/bin/savecore target=../usr/lib/isaexec
1546 hardlink path=usr/bin/setuname target=../usr/lib/isaexec
1547 hardlink path=usr/bin/sleep target=../usr/bin/alias
1548 hardlink path=usr/bin/sum target=../usr/bin/alias
1549 hardlink path=usr/bin/tee target=../usr/bin/alias
1550 hardlink path=usr/bin/test target=../usr/bin/alias
1551 hardlink path=usr/bin/touch target=../usr/bin/settime
1552 hardlink path=usr/bin/type target=../usr/bin/alias
1553 hardlink path=usr/bin/ulimit target=../usr/bin/alias
1554 hardlink path=usr/bin/umask target=../usr/bin/alias
1555 hardlink path=usr/bin/unalias target=../usr/bin/alias
1556 hardlink path=usr/bin/uniq target=../usr/bin/alias
1557 hardlink path=usr/bin/uptime target=../usr/lib/isaexec
1558 hardlink path=usr/bin/vedit target=../has/bin/edit
1559 hardlink path=usr/bin/w target=../usr/lib/isaexec
1560 hardlink path=usr/bin/wait target=../usr/bin/alias
1561 hardlink path=usr/bin/wc target=../usr/bin/alias
1562 hardlink path=usr/has/bin/ex target=edit
1563 hardlink path=usr/has/bin/pfsh target=../bin/pfexec
1564 hardlink path=usr/has/bin/vedit target=edit
1565 hardlink path=usr/has/bin/vi target=edit
1566 hardlink path=usr/has/bin/view target=edit
1567 hardlink path=usr/lib/fs/ufs/fsfstyp target=../sbin/fstyp
1568 hardlink path=usr/lib/fs/ufs/dcopy target=../usr/lib/fs/ufs/clri
1569 hardlink path=usr/lib/fs/ufs/fstyp target=../sbin/fstyp
1570 hardlink path=usr/lib/fs/ufs/quotao \
1571     target=../usr/lib/fs/ufs/quotaooff
1572 hardlink path=usr/lib/inet/in.iked target=../usr/lib/isaexec
1573 hardlink path=usr/sadm/bin/dispgid target=../usr/bin/ckgid
1574 hardlink path=usr/sadm/bin/dispuid target=../usr/bin/ckuid
1575 hardlink path=usr/sadm/bin/errrange target=../usr/bin/ckrange
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1576 hardlink path=usr/sadm/bin/errdate target=../../usr/bin/ckdate
1577 hardlink path=usr/sadm/bin/errgid target=../../usr/bin/ckgid
1578 hardlink path=usr/sadm/bin/errint target=../../usr/bin/ckint
1579 hardlink path=usr/sadm/bin/erritem target=../../usr/bin/ckitem
1580 hardlink path=usr/sadm/bin/errpath target=../../usr/bin/ckpath
1581 hardlink path=usr/sadm/bin/errstr target=../../usr/bin/ckstr
1582 hardlink path=usr/sadm/bin/errtime target=../../usr/bin/cktime
1583 hardlink path=usr/sadm/bin/erruid target=../../usr/bin/ckuid
1584 hardlink path=usr/sadm/bin/erryorn target=../../usr/bin/ckyorn
1585 hardlink path=usr/sadm/bin/helpdate target=../../usr/bin/ckdate
1586 hardlink path=usr/sadm/bin/helpgid target=../../usr/bin/ckgid
1587 hardlink path=usr/sadm/bin/helpint target=../../usr/bin/ckint
1588 hardlink path=usr/sadm/bin/helpitem target=../../usr/bin/ckitem
1589 hardlink path=usr/sadm/bin/helppath target=../../usr/bin/ckpath
1590 hardlink path=usr/sadm/bin/helprange target=../../usr/bin/ckrange
1591 hardlink path=usr/sadm/bin/helpstr target=../../usr/bin/ckstr
1592 hardlink path=usr/sadm/bin/helptime target=../../usr/bin/cktime
1593 hardlink path=usr/sadm/bin/helpuid target=../../usr/bin/ckuid
1594 hardlink path=usr/sadm/bin/helpyorn target=../../usr/bin/ckyorn
1595 hardlink path=usr/sadm/bin/valdate target=../../usr/bin/ckdate
1596 hardlink path=usr/sadm/bin/valgid target=../../usr/bin/ckgid
1597 hardlink path=usr/sadm/bin/valint target=../../usr/bin/ckint
1598 hardlink path=usr/sadm/bin/valpath target=../../usr/bin/ckpath
1599 hardlink path=usr/sadm/bin/valrange target=../../usr/bin/ckrange
1600 hardlink path=usr/sadm/bin/valstr target=../../usr/bin/ckstr
1601 hardlink path=usr/sadm/bin/valtime target=../../usr/bin/cktime
1602 hardlink path=usr/sadm/bin/valuid target=../../usr/bin/ckuid
1603 hardlink path=usr/sadm/bin/valyorn target=../../usr/bin/ckyorn
1604 hardlink path=usr/sbin/add_drv target=../../usr/lib/isaexec
1605 hardlink path=usr/sbin/audlinks target=../devfsadm
1606 hardlink path=usr/sbin/consadm target=../../usr/sbin/consadm
1607 hardlink path=usr/sbin/deallocate target=../../usr/sbin/allocate
1608 hardlink path=usr/sbin/devlinks target=../devfsadm
1609 hardlink path=usr/sbin/dfshares target=../../usr/sbin/dfmounts
1610 hardlink path=usr/sbin/disks target=../devfsadm
1611 hardlink path=usr/sbin/drvconfig target=../devfsadm
1612 hardlink path=usr/sbin/list_devices target=../../usr/sbin/allocate
1613 hardlink path=usr/sbin/mkdevmaps target=../../usr/sbin/mkdevalloc
1614 hardlink path=usr/sbin/modinfo target=../../usr/lib/isaexec
1615 hardlink path=usr/sbin/modload target=../../usr/lib/isaexec
1616 hardlink path=usr/sbin/modunload target=../../usr/lib/isaexec
1617 hardlink path=usr/sbin/pbind target=../../usr/lib/isaexec
1618 hardlink path=usr/sbin/ports target=../devfsadm
1619 hardlink path=usr/sbin/poweroff target=../halt
1620 hardlink path=usr/sbin/prtconf target=../../usr/lib/isaexec
1621 $(sparc ONLY)hardlink path=usr/sbin/prtdiag target=../../usr/lib/latexec
1622 hardlink path=usr/sbin/psrset target=../../usr/lib/isaexec
1623 hardlink path=usr/sbin/reboot target=../halt
1624 hardlink path=usr/sbin/rem_drv target=../../usr/lib/isaexec
1625 hardlink path=usr/sbin/roleadd target=../../usr/sbin/useradd
1626 hardlink path=usr/sbin/roledel target=../../usr/sbin/userdel
1627 hardlink path=usr/sbin/rolemod target=../../usr/sbin/usermod
1628 hardlink path=usr/sbin/share target=../../usr/sbin/sharemgr
1629 hardlink path=usr/sbin/swap target=../../usr/lib/isaexec
1630 hardlink path=usr/sbin/sysdef target=../../usr/lib/isaexec
1631 hardlink path=usr/sbin/tapes target=../devfsadm
1632 hardlink path=usr/sbin/unshare target=../../usr/sbin/sharemgr
1633 hardlink path=usr/sbin/update_drv target=../../usr/lib/isaexec
1634 hardlink path=usr/sbin/whodo target=../../usr/lib/isaexec
1635 legacy pkg=SUNWcsr \
1636     desc="core software for a specific instruction-set architecture" \
1637     name="Core Solaris, (Root)"
1638 legacy pkg=SUNWcsu \
1639     desc="core software for a specific instruction-set architecture" \
1640     name="Core Solaris, (Usr)"
1641 legacy pkg=SUNWfipr desc="FTP Server Configuration Files" \

```

```

1642     name="FTP Server, (Root)"
1643 license cr_Sun license=cr_Sun
1644 license lic_CDDL license=lic_CDDL
1645 license usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE \
1646     license=usr/src/cmd/cmd-inet/sbin/ifparse/THIRDPARTYLICENSE
1647 license usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE \
1648     license=usr/src/cmd/cmd-inet/usr.lib/in.mpathd/THIRDPARTYLICENSE
1649 license usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.arp \
1650     license=usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.arp
1651 license usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.route \
1652     license=usr/src/cmd/cmd-inet/usr.sbin/THIRDPARTYLICENSE.route
1653 license usr/src/cmd/cmd-inet/usr.sbin/ifconfig/THIRDPARTYLICENSE \
1654     license=usr/src/cmd/cmd-inet/usr.sbin/ifconfig/THIRDPARTYLICENSE
1655 license usr/src/cmd/cmd-inet/usr.sbin/traceroute/THIRDPARTYLICENSE \
1656     license=usr/src/cmd/cmd-inet/usr.sbin/traceroute/THIRDPARTYLICENSE
1657 license usr/src/cmd/cron/THIRDPARTYLICENSE \
1658     license=usr/src/cmd/cron/THIRDPARTYLICENSE
1659 license usr/src/cmd/csh/THIRDPARTYLICENSE \
1660     license=usr/src/cmd/csh/THIRDPARTYLICENSE
1661 license usr/src/cmd/eepprom/THIRDPARTYLICENSE \
1662     license=usr/src/cmd/eepprom/THIRDPARTYLICENSE
1663 license usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE \
1664     license=usr/src/cmd/fs.d/ufs/THIRDPARTYLICENSE
1665 license usr/src/cmd/mt/THIRDPARTYLICENSE \
1666     license=usr/src/cmd/mt/THIRDPARTYLICENSE
1667 license usr/src/cmd/script/THIRDPARTYLICENSE \
1668     license=usr/src/cmd/script/THIRDPARTYLICENSE
1669 license usr/src/cmd/sed/THIRDPARTYLICENSE \
1670     license=usr/src/cmd/sed/THIRDPARTYLICENSE
1671 license usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE \
1672     license=usr/src/cmd/stat/vmstat/THIRDPARTYLICENSE
1673 license usr/src/cmd/tail/THIRDPARTYLICENSE \
1674     license=usr/src/cmd/tail/THIRDPARTYLICENSE
1675 license usr/src/cmd/tip/THIRDPARTYLICENSE \
1676     license=usr/src/cmd/tip/THIRDPARTYLICENSE
1677 license usr/src/cmd/tr/THIRDPARTYLICENSE \
1678     license=usr/src/cmd/tr/THIRDPARTYLICENSE
1679 license usr/src/cmd/vi/THIRDPARTYLICENSE \
1680     license=usr/src/cmd/vi/THIRDPARTYLICENSE
1681 license usr/src/cmd/which/THIRDPARTYLICENSE \
1682     license=usr/src/cmd/which/THIRDPARTYLICENSE
1683 license usr/src/cmd/xstr/THIRDPARTYLICENSE \
1684     license=usr/src/cmd/xstr/THIRDPARTYLICENSE
1685 license usr/src/common/bzip2/LICENSE license=usr/src/common/bzip2/LICENSE
1686 link path=bin target=../usr/bin
1687 link path=etc/TIMEZONE target=../default/init
1688 link path=etc/autopush target=../sbin/autopush
1689 link path=etc/cfgadm target=../usr/sbin/cfgadm
1690 link path=etc/clri target=../usr/sbin/clri
1691 link path=etc/cron target=../usr/sbin/cron
1692 link path=etc/dcopy target=../usr/sbin/dcopy
1693 link path=etc/ff target=../usr/sbin/ff
1694 link path=etc/fmthard target=../usr/sbin/fmthard
1695 link path=etc/format target=../usr/sbin/format
1696 link path=etc/fsck target=../usr/sbin/fsck
1697 link path=etc/fsdb target=../usr/sbin/fsdb
1698 link path=etc/fstyp target=../usr/sbin/fstyp
1699 link path=etc/ftusers target=../ftpd/ftusers
1700 link path=etc/getty target=../usr/lib/saf/ttymon
1701 link path=etc/grpck target=../usr/sbin/grpck
1702 link path=etc/halt target=../usr/sbin/halt
1703 link path=etc/hosts target=../inet/hosts
1704 link path=etc/inet/ipnodes target=../hosts
1705 link path=etc/inetd.conf target=../inet/inetd.conf
1706 link path=etc/init target=../sbin/init
1707 link path=etc/install target=../usr/sbin/install

```

```

1708 link path=etc/killall target=../usr/sbin/killall
1709 link path=etc/labelit target=../usr/sbin/labelit
1710 link path=etc/lib/ld.so.1 target=../lib/ld.so.1
1711 link path=etc/lib/libdl.so.1 target=../lib/libdl.so.1
1712 link path=etc/lib/nss_files.so.1 target=../lib/nss_files.so.1
1713 link path=etc/log target=../var/adm/log
1714 link path=etc/mkfs target=../usr/sbin/mkfs
1715 link path=etc/mknod target=../usr/sbin/mknod
1716 link path=etc/mount target=../sbin/mount
1717 link path=etc/mountall target=../sbin/mountall
1718 link path=etc/ncheck target=../usr/sbin/ncheck
1719 link path=etc/netmasks target=../inet/netmasks
1720 link path=etc/networks target=../inet/networks
1721 link path=etc/protocols target=../inet/protocols
1722 link path=etc/prtconf target=../usr/sbin/prtconf
1723 link path=etc/prtvtoc target=../usr/sbin/prtvtoc
1724 link path=etc/rc0 target=../sbin/rc0
1725 link path=etc/rc1 target=../sbin/rc1
1726 link path=etc/rc2 target=../sbin/rc2
1727 link path=etc/rc3 target=../sbin/rc3
1728 link path=etc/rc5 target=../sbin/rc5
1729 link path=etc/rc6 target=../sbin/rc6
1730 link path=etc/rcS target=../sbin/rcS
1731 link path=etc/reboot target=../usr/sbin/halt
1732 link path=etc/security/audit/localhost/files target=../var/audit
1733 link path=etc/services target=../inet/services
1734 link path=etc/setmnt target=../usr/sbin/setmnt
1735 link path=etc/shutdown target=../usr/sbin/shutdown
1736 link path=etc/sulogin target=../sbin/sulogin
1737 link path=etc/swap target=../usr/sbin/swap
1738 link path=etc/swapadd target=../sbin/swapadd
1739 link path=etc/sysdef target=../usr/sbin/sysdef
1740 link path=etc/tar target=../usr/sbin/tar
1741 link path=etc/telinit target=../sbin/init
1742 link path=etc/uadmin target=../sbin/uadmin
1743 link path=etc/umount target=../sbin/umount
1744 link path=etc/umountall target=../sbin/umountall
1745 link path=etc/utmpx target=../var/adm/utmpx
1746 link path=etc/volcopy target=../usr/sbin/volcopy
1747 link path=etc/wall target=../usr/sbin/wall
1748 link path=etc/whodo target=../usr/sbin/whodo
1749 link path=etc/wtmpx target=../var/adm/wtmpx
1750 link path=sbin/in.mpathd target=../lib/inet/in.mpathd
1751 link path=sbin/jsh target=../usr/bin/ksh93
1752 link path=sbin/pfsh target=../usr/bin/pfexec
1753 link path=sbin/sh target=../usr/bin/$(ARCH32)/ksh93
1754 link path=sbin/su target=../usr/bin/su
1755 link path=usr/adm target=../var/adm
1756 link path=usr/bin/cachefspack target=../lib/fs/cachefs/cachefspack
1757 link path=usr/bin/cachefsstat target=../lib/fs/cachefs/cachefsstat
1758 link path=usr/bin/df target=../sbin/df
1759 link path=usr/bin/jsh target=ksh93
1760 link path=usr/bin/pwconv target=../sbin/pwconv
1761 link path=usr/bin/rmail target=../mail
1762 link path=usr/bin/sh target=$(ARCH32)/ksh93
1763 link path=usr/bin/strclean target=../sbin/strclean
1764 link path=usr/bin/strerr target=../sbin/strerr
1765 link path=usr/bin/sync target=../sbin/sync
1766 link path=usr/bin/tar target=../sbin/tar
1767 link path=usr/bin/uname target=../sbin/uname
1768 link path=usr/ccs/bin/m4 target=../bin/m4
1769 link path=usr/has/bin/jsh target=sh
1770 link path=usr/has/lib/rsh target=../bin/sh
1771 link path=usr/lib/$(ARCH64)/ld.so.1 target=../lib/$(ARCH64)/ld.so.1
1772 link path=usr/lib/cron target=../etc/cron.d
1773 link path=usr/lib/devfsadm/devfsadmd target=../sbin/devfsadm

```

```

1774 link path=usr/lib/embedded_su target=../bin/su
1775 link path=usr/lib/fs/dev/mount target=../etc/fs/dev/mount
1776 link path=usr/lib/fs/hsfs/mount target=../etc/fs/hsfs/mount
1777 link path=usr/lib/fs/ufs/mount target=../etc/fs/ufs/mount
1778 link path=usr/lib/inet/in.mpathd target=../lib/inet/in.mpathd
1779 link path=usr/lib/ld.so.1 target=../lib/ld.so.1
1780 link path=usr/lib/locale/POSIX target=../C
1781 link path=usr/lib/rsh target=../bin/ksh93
1782 link path=usr/lib/secure/32 target=..
1783 link path=usr/lib/secure/64 target=$(ARCH64)
1784 link path=usr/lib/wusbd target=../sbin/wusbadm
1785 link path=usr/mail target=../var/mail
1786 link path=usr/net/nls/listen target=../lib/saf/listen
1787 link path=usr/net/nls/nlps_server target=../lib/saf/nlps_server
1788 link path=usr/news target=../var/news
1789 link path=usr/preserve target=../var/preserve
1790 link path=usr/pub target=../share/lib/pub
1791 link path=usr/sbin/autopush target=../sbin/autopush
1792 link path=usr/sbin/bootadm target=../sbin/bootadm
1793 link path=usr/sbin/cachefslog target=../lib/fs/cachefs/cachefslog
1794 link path=usr/sbin/cachefswsize target=../lib/fs/cachefs/cachefswsize
1795 link path=usr/sbin/cfsadmin target=../lib/fs/cachefs/cfsadmin
1796 link path=usr/sbin/cryptoadm target=../sbin/cryptoadm
1797 link path=usr/sbin/dcopy target=../clri
1798 link path=usr/sbin/devnm target=../df
1799 link path=usr/sbin/dladm target=../sbin/dladm
1800 link path=usr/sbin/dlstat target=../sbin/dlstat
1801 link path=usr/sbin/edquota target=../lib/fs/ufs/edquota
1802 link path=usr/sbin/fdisk target=../sbin/fdisk
1803 link path=usr/sbin/fiocompress target=../sbin/fiocompress
1804 link path=usr/sbin/flowadm target=../sbin/flowadm
1805 link path=usr/sbin/flowstat target=../sbin/flowstat
1806 link path=usr/sbin/fsdb target=../clri
1807 link path=usr/sbin/fsirand target=../lib/fs/ufs/fsirand
1808 link path=usr/sbin/fssnap target=../clri
1809 link path=usr/sbin/hostconfig target=../sbin/hostconfig
1810 link path=usr/sbin/ifconfig target=../sbin/ifconfig
1811 link path=usr/sbin/inetd target=../lib/inet/inetd
1812 link path=usr/sbin/init target=../sbin/init
1813 link $(i386_ONLY) path=usr/sbin/installgrub target=../sbin/installgrub
1814 link path=usr/sbin/ipadm target=../sbin/ipadm
1815 link path=usr/sbin/impstat target=../sbin/impstat
1816 link path=usr/sbin/labelit target=../clri
1817 link path=usr/sbin/lockfs target=../lib/fs/ufs/lockfs
1818 link path=usr/sbin/mkfs target=../clri
1819 link path=usr/sbin/mount target=../sbin/mount
1820 link path=usr/sbin/ncheck target=../ff
1821 link path=usr/sbin/newfs target=../lib/fs/ufs/newfs
1822 link path=usr/sbin/quot target=../lib/fs/ufs/quot
1823 link path=usr/sbin/quota target=../lib/fs/ufs/quota
1824 link path=usr/sbin/quotacheck target=../lib/fs/ufs/quotacheck
1825 link path=usr/sbin/quotaoff target=../lib/fs/ufs/quotaoff
1826 link path=usr/sbin/quotaon target=../lib/fs/ufs/quotaon
1827 link path=usr/sbin/repquota target=../lib/fs/ufs/repquota
1828 link path=usr/sbin/route target=../sbin/route
1829 link path=usr/sbin/routadm target=../sbin/routadm
1830 link path=usr/sbin/sync target=../sbin/sync
1831 link path=usr/sbin/tunefs target=../lib/fs/ufs/tunefs
1832 link path=usr/sbin/tzreload target=../sbin/tzreload
1833 link path=usr/sbin/uadmin target=../sbin/uadmin
1834 link path=usr/sbin/ufsdump target=../lib/fs/ufs/ufsdump
1835 link path=usr/sbin/ufsrestore target=../lib/fs/ufs/ufsrestore
1836 link path=usr/sbin/umount target=../sbin/umount
1837 link path=usr/sbin/wusbadm target=../sbin/wusbadm
1838 link path=usr/spool target=../var/spool
1839 link path=usr/src target=../share/src

```

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

29

```
1840 link path=usr/tmp target=../var/tmp
1841 link path=var/ld/32 target=.
1842 link path=var/ld/64 target=$(ARCH64)
1843 #
1844 # The bootadm binary needs the etc/release file.
1845 #
1846 depend fmri=release/name type=require
1847 #
1848 # intrd and others use the illumos-defaulted perl interpreter
1849 #
1850 depend fmri=runtime/perl$(PERL_PKGVERS) type=require
1851 #
1852 # intrd uses sun-solaris Perl modules
1853 #
1854 depend fmri=runtime/perl$(PERL_PKGVERS)/module/sun-solaris type=require
1855 #
1856 # The loadkeys binary needs the keytables.
1857 #
1858 depend fmri=system/data/keyboard/keytables type=require
1859 #
1860 # Depend on terminfo data.
1861 #
1862 depend fmri=system/data/terminfo type=require
1863 #
1864 # Depend on zoneinfo data.
1865 #
1866 depend fmri=system/data/zoneinfo type=require
1867 #
1868 # The mailx binary calls /usr/lib/sendmail provided by mailwrapper
1869 #
1870 depend fmri=system/network/mailwrapper type=require
```

new/usr/src/pkg/manifests/developer-dtrace.mf

1

```
*****
27298 Mon Apr 13 11:10:53 2015
new/usr/src/pkg/manifests/developer-dtrace.mf
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25 #
26 #
27 # Copyright (c) 2012 by Delphix. All rights reserved.
28 #
29 #
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
```

new/usr/src/pkg/manifests/developer-dtrace.mf

2

```
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/iotrough.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 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/proftime.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/retest.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
```

new/usr/src/pkg/manifests/developer-dtrace.mf

3

```
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/tcpconnlst.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/whofo.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
```

new/usr/src/pkg/manifests/developer-dtrace.mf

4

```
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
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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
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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
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295 file \
296 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ErrorEv
297 group=other
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299 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Excepti
300 group=other
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302 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ExitRec
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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
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310 file \
311 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
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314 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
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317 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
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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
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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
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352 file \
353 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Probe.h
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355 file \
356 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDa
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358 file \
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365 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDe
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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
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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
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382 file \
383 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
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385 file \
386 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
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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
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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
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400 file \
401 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StddevV
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403 file \
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407 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/SymbolV
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410 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Tuple.h
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418 file \
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427 file \
428 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
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430 file \
431 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
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433 file \
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436 file \
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454 file \
455 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
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457 file \
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458 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
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460 file \
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523 file \
```

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589 file \
```

```
590 path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
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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/stylessheet.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
```

new/usr/src/pkg/manifests/developer-dtrace.mf

11

```
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
```

new/usr/src/pkg/manifests/service-network-dns-mdns.mf

1

```
*****
9065 Mon Apr 13 11:10:53 2015
new/usr/src/pkg/manifests/service-network-dns-mdns.mf
4719 update gate build environment to [open]jdk7 4742 update manifests for javad
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
25 #
26 #
27 set name=pkg.fmri 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
```

new/usr/src/pkg/manifests/service-network-dns-mdns.mf

2

```
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 \
136   path=usr/share/lib/java/javadoc/dnssd/api/resources/inherit.gif \
137   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=SUNWdskr \
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

```