

new/usr/src/Makefile.master

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*****
35131 Mon Aug 31 16:17:20 2015
new/usr/src/Makefile.master
6117 Many small bugs prevent a clean build on SPARC
*****

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

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

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

46 #
47 # RELEASE_BUILD should be cleared for final release builds.
48 # NOT_RELEASE_BUILD is exactly what the name implies.
49 #
50 # __GNUC toggles the building of ON components using gcc and related tools.
51 # Normally set to '#', set it to '' to do gcc build.
52 #
53 # The declaration POUND_SIGN is always '#'. This is needed to get around the
54 # make feature that '#' is always a comment delimiter, even when escaped or
55 # quoted. We use this macro expansion method to get POUND_SIGN rather than
56 # always breaking out a shell because the general case can cause a noticable
57 # slowdown in build times when so many Makefiles include Makefile.master.
58 #
59 # While the majority of users are expected to override the setting below
60 # with an env file (via nightly or bldenv), if you aren't building that way
61 # (ie, you're using "ws" or some other bootstrapping method) then you need
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62 # this definition in order to avoid the subshell invocation mentioned above.
63 #

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

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

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

80 # The variables below control the compilers used during the build.
81 # There are a number of permutations.
82 #
83 # __GNUC and __SUNC control (and indicate) the primary compiler.  Whichever
84 # one is not POUND_SIGN is the primary, with the other as the shadow.  They
85 # may also be used to control entirely compiler-specific Makefile assignments.
86 # __GNUC and GCC are the default.
87 #
88 # __GNUC64 indicates that the 64bit build should use the GNU C compiler.
89 # There is no Sun C analogue.
90 #
91 # The following version-specific options are operative regardless of which
92 # compiler is primary, and control the versions of the given compilers to be
93 # used.  They also allow compiler-version specific Makefile fragments.
94 #

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

100 # Allow build-time "configuration" to enable or disable some things.
101 # The default is POUND_SIGN, meaning "not enabled".  If the environment
102 # passes in an override like ENABLE_SMB_PRINTING= (empty) that will
103 # uncomment things in the lower Makefiles to enable the feature.
104 ENABLE_IPP_PRINTING=  $(POUND_SIGN)
105 ENABLE_SMB_PRINTING=  $(POUND_SIGN)

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

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

114 BUILD_TOOLS=          /ws/onnv-tools
115 ONBLD_TOOLS=          $(BUILD_TOOLS)/onbld

117 # define runtime JAVA_HOME, primarily for cmd/pools/poold
118 JAVA_HOME=            /usr/java
119 # define buildtime JAVA_ROOT
120 JAVA_ROOT=            /usr/java

122 GCC_ROOT=             /opt/gcc/4.4.4
123 GCCLIBDIR=            $(GCC_ROOT)/lib
124 GCCLIBDIR64=          $(GCC_ROOT)/lib/$(MACH64)

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

191 FILEMODE=    644
192 DIRMODE=     755

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194 # Declare that nothing should be built in parallel.
195 # Individual Makefiles can use the .PARALLEL target to declare otherwise.
196 .NO_PARALLEL:

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

209 DOT_H_CHECK=  \
210     @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL); \
211     $(HDRCHK) $< $(HDRCHK_TAIL)

213 DOT_X_CHECK=  \
214     @$(ECHO) "checking $<"; $(RPCGEN) -C -h $< | $(CSTYLE) $(CSTYLE_TAIL); \
215     $(RPCGEN) -C -h $< | $(HDRCHK) $< $(HDRCHK_TAIL)

217 DOT_C_CHECK=  \
218     @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL)

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

227 INS.file=     $(RM) $@; $(INS) -s -m $(FILEMODE) -f $(@D) $<
228 INS.dir=      $(INS) -s -d -m $(DIRMODE) $@
229 # installs and renames at once
230 #
231 INS.rename=    $(INS.file); $(MV) $(@D)/$(<F) $@

233 # install a link
234 INSLINKTARGET= $<
235 INS.link=      $(RM) $@; $(LN) $(INSLINKTARGET) $@
236 INS.symlink=   $(RM) $@; $(SYMLINK) $(INSLINKTARGET) $@

238 #
239 # Python bakes the mtime of the .py file into the compiled .pyc and
240 # rebuilds if the baked-in mtime != the mtime of the source file
241 # (rather than only if it's less than), thus when installing python
242 # files we must make certain to not adjust the mtime of the source
243 # (.py) file.
244 #
245 INS.pyfile=    $(INS.file); $(TOUCH) -r $< $@

247 # MACH must be set in the shell environment per uname -p on the build host
248 # More specific architecture variables should be set in lower makefiles.
249 #
250 # MACH64 is derived from MACH, and BUILD64 is set to '#' for
251 # architectures on which we do not build 64-bit versions.
252 # (There are no such architectures at the moment.)
253 #
254 # Set BUILD64=# in the environment to disable 64-bit amd64
255 # builds on i386 machines.

257 MACH64_1=     $(MACH:sparc=sparcv9)
258 MACH64=       $(MACH64_1:i386=amd64)

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260 MACH32_1=      $(MACH:sparc=sparcv7)
261 MACH32=        $(MACH32_1:i386=i86)

263 sparc_BUILD64=
264 i386_BUILD64=
265 BUILD64=      $($(MACH)_BUILD64)

267 #
268 # C compiler mode. Future compilers may change the default on us,
269 # so force extended ANSI mode globally. Lower level makefiles can
270 # override this by setting CCMODE.
271 #
272 CCMODE=          -Xa
273 CCMODE64=        -Xa

275 #
276 # C compiler verbose mode. This is so we can enable it globally,
277 # but turn it off in the lower level makefiles of things we cannot
278 # (or aren't going to) fix.
279 #
280 CCVERBOSE=       -v

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

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

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

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

317 # One optimization the compiler might perform is to turn this:
318 #   #pragma weak foo
319 #   extern int foo;
320 #   if (&foo)
321 #       foo = 5;
322 # into
323 #   foo = 5;
324 # Since we do some of this (foo might be referenced in common kernel code

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325 # but provided only for some cpu modules or platforms), we disable this
326 # optimization.
327 #
328 sparc_CCUNBOUND = -Wd,-xsafe=unboundsym
329 i386_CCUNBOUND  =
330 CCUNBOUND       = $($(MACH)_CCUNBOUND)

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

340 # assembler '-xarch' flag. Different from compiler '-xarch' flag.
341 sparc_AS_XARCH=   -xarch=v8plus
342 sparcv9_AS_XARCH= -xarch=v9
343 i386_AS_XARCH=
344 amd64_AS_XARCH=   -xarch=amd64 -P -Ui386 -U__i386

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

361 SAVEARGS=         -Wu,-save_args
362 amd64_STAND_FLAGS += $(SAVEARGS)

364 STAND_FLAGS_32 = $($(MACH)_STAND_FLAGS)
365 STAND_FLAGS_64 = $($(MACH64)_STAND_FLAGS)

367 #
368 # disable the incremental linker
369 ILDOFF=           -xildoff
370 #
371 XDEPEND=          -xdepend
372 XFFLAG=           -xF=%all
373 KESS=             -xs
374 XSTRCONST=        -xstrconst

376 #
377 # turn warnings into errors (C)
378 CERRWARN = -errtags=yes -errwarn=%all
379 CERRWARN += -erroff=E_EMPTY_TRANSLATION_UNIT
380 CERRWARN += -erroff=E_STATEMENT_NOT_REACHED

382 CERRWARN += -_gcc=-Wno-missing-braces
383 CERRWARN += -_gcc=-Wno-sign-compare
384 CERRWARN += -_gcc=-Wno-unknown-pragmas
385 CERRWARN += -_gcc=-Wno-unused-parameter
386 CERRWARN += -_gcc=-Wno-missing-field-initializers

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

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391 # DEBUG v. -nd make for frequent unused variables, empty conditions, etc. in
392 # -nd builds
393 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-unused
394 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-empty-body

396 #
397 # turn warnings into errors (C++)
398 CCERRWARN=          -xwe

400 # C99 mode
401 C99_ENABLE=         -xc99=%all
402 C99_DISABLE=        -xc99=%none
403 C99MODE=            $(C99_DISABLE)
404 C99LMODE=           $(C99MODE:-xc99%=-Xc99%)

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

414 sparc_ASFLAGS=      $(sparc_AS_XARCH)
415 sparcv9_ASFLAGS=    $(sparcv9_AS_XARCH)
416 i386_ASFLAGS=       $(i386_AS_XARCH)
417 amd64_ASFLAGS=      $(amd64_AS_XARCH)

419 #
420 sparc_COPTFLAG=      -xO3
421 sparcv9_COPTFLAG=    -xO3
422 i386_COPTFLAG=       -O
423 amd64_COPTFLAG=      -xO3

425 COPTFLAG=           $($(_MACH)_COPTFLAG)
426 COPTFLAG64=         $($(_MACH64)_COPTFLAG)

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

432 # Direct the Sun Studio compiler to use a static globalization prefix based on t
433 # name of the module rather than something unique. Otherwise, objects
434 # will not build deterministically, as subsequent compilations of identical
435 # source will yeild objects that always look different.
436 #
437 # In the same spirit, this will also remove the date from the N_OPT stab.
438 CGLOBALSTATIC= -W0,-xglobalstatic

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

444 #
445 # Default debug format for Sun Studio 11 is dwarf, so force it to
446 # generate stabs.
447 #
448 DEBUGFORMAT=       -xdebugformat=stabs

450 #
451 # Flags used to build in debug mode for ctf generation.  Bugs in the Devpro
452 # compilers currently prevent us from building with cc-emitted DWARF.
453 #
454 CTF_FLAGS_sparc = -g -Wc,-Qiselect-T1 $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)
455 CTF_FLAGS_i386  = -g $(C99MODE) $(CNOGLOBAL) $(CDWARFSTR)

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457 CTF_FLAGS_sparcv9 = $(CTF_FLAGS_sparc)
458 CTF_FLAGS_amd64   = $(CTF_FLAGS_i386)

460 # Sun Studio produces broken userland code when saving arguments.
461 $((__GNUC)CTF_FLAGS_amd64 += $(SAVEARGS))

463 CTF_FLAGS_32      = $(CTF_FLAGS_$_MACH)) $(DEBUGFORMAT)
464 CTF_FLAGS_64      = $(CTF_FLAGS_$_MACH64)) $(DEBUGFORMAT)
465 CTF_FLAGS         = $(CTF_FLAGS_32)

467 #
468 # Flags used with genoffsets
469 #
470 GOFLAGS = -_noecho \
471           $(CALLSYMS) \
472           $(CDWARFSTR)

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

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

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

488 SPACEFLAG            = $($(_MACH)_SPACEFLAG)
489 SPACEFLAG64          = $($(_MACH64)_SPACEFLAG)

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

501 IROPTFLAG            = $($(_MACH)_IROPTFLAG)
502 IROPTFLAG64          = $($(_MACH64)_IROPTFLAG)

504 sparc_XREGSFLAG      = -xregs=no%appl
505 sparcv9_XREGSFLAG    = -xregs=no%appl
506 i386_XREGSFLAG       =
507 amd64_XREGSFLAG      =

509 XREGSFLAG            = $($(_MACH)_XREGSFLAG)
510 XREGSFLAG64          = $($(_MACH64)_XREGSFLAG)

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

517 #
518 # These variables are intended ONLY for use by developers to safely pass extra
519 # flags to the compilers without unintentionally overriding Makefile-set
520 # flags.  They should NEVER be set to any value in a Makefile.
521 #
522 # They come last in the associated FLAGS variable such that they can

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523 # explicitly override things if necessary, there are gaps in this, but it's
524 # the best we can manage.
525 #
526 CUSERFLAGS          =
527 CUSERFLAGS64        = $(CUSERFLAGS)
528 CCUSERFLAGS         =
529 CCUSERFLAGS64       = $(CCUSERFLAGS)

531 CSOURCEDEBUGFLAGS   =
532 CCSOURCEDEBUGFLAGS  =
533 $(SRCDGBLD)CSOURCEDEBUGFLAGS = -g -xs
534 $(SRCDGBLD)CCSOURCEDEBUGFLAGS = -g -xs

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

553 DTEXTDOM=-DTEXT_DOMAIN="\$(TEXT_DOMAIN)"      # For messaging.
554 DTS_ERRNO=-D_TS_ERRNO
555 CPPFLAGS.first= # Please keep empty. Only lower makefiles should set this.
556 CPPFLAGS.master=$(DTEXTDOM) $(DTS_ERRNO) \
557                 $(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) $(ENVCPPFLAGS4) \
558                 $(ADJUNCT_PROTO:%=-I%/usr/include)
559 CPPFLAGS.native=$(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) \
560                 $(ENVCPPFLAGS4) -I$(NATIVE_ADJUNCT)/include
561 CPPFLAGS=          $(CPPFLAGS.first) $(CPPFLAGS.master)
562 AS_CPPFLAGS=       $(CPPFLAGS.first) $(CPPFLAGS.master)
563 JAVAFLAGS=         -source 1.6 -target 1.6 -Xlint:deprecation,-options

565 #
566 # For source message catalogue
567 #
568 .SUFFIXES: $(SUFFIXES) .i .po
569 MSGROOT= $(ROOT)/catalog
570 MSGDOMAIN= $(MSGROOT)/$(TEXT_DOMAIN)
571 MSGDOMAINPOFILE = $(MSGDOMAIN)/$(POFILE)
572 DCMMSGDOMAIN= $(MSGROOT)/LC_TIME/$(TEXT_DOMAIN)
573 DCMMSGDOMAINPOFILE = $(DCMSGDOMAIN)/$(DCFILE:.dc=.po)

575 CLOBBERFILES += $(POFILE) $(POFILES)
576 COMPILE.cpp= $(CC) -E -C $(CFLAGS) $(CPPFLAGS)
577 XGETTEXT= /usr/bin/xgettext
578 XGETTEXTFLAGS= -c TRANSLATION_NOTE
579 GNUMGETTEXT= /usr/gnu/bin/xgettext
580 GNUMXGETTEXTFLAGS= --add-comments=TRANSLATION_NOTE --keyword= \
581                   --strict --no-location --omit-header
582 BUILD.po= $(XGETTEXT) $(XGETTEXTFLAGS) -d $(<F) $<.i ;\
583           $(RM) $@ ;\
584           $(SED) "/^domain/d" < $(<F).po > $@ ;\
585           $(RM) $(<F).po $<.i

587 #
588 # This is overwritten by local Makefile when PROG is a list.

```

```

589 #
590 POFILE= $(PROG).po

592 sparc_CCFLAGS=      -cg92 -compat=4 \
593                     -Option ccfe -messages=no%anachronism \
594                     $(CCERRWARN)
595 sparcv9_CCFLAGS=    $(sparcv9_XARCH) -dalign -compat=5 \
596                     -Option ccfe -messages=no%anachronism \
597                     -Option ccfe -features=no%conststrings \
598                     $(CCCREGSYM) \
599                     $(CCERRWARN)
600 i386_CCFLAGS=       -compat=4 \
601                     -Option ccfe -messages=no%anachronism \
602                     -Option ccfe -features=no%conststrings \
603                     $(CCERRWARN)
604 amd64_CCFLAGS=      $(amd64_XARCH) -compat=5 \
605                     -Option ccfe -messages=no%anachronism \
606                     -Option ccfe -features=no%conststrings \
607                     $(CCERRWARN)

609 sparc_CCOPTFLAG=    -O
610 sparcv9_CCOPTFLAG=  -O
611 i386_CCOPTFLAG=     -O
612 amd64_CCOPTFLAG=    -O

614 CCOPTFLAG=          $( $(MACH)_CCOPTFLAG)
615 CCOPTFLAG64=        $( $(MACH64)_CCOPTFLAG)
616 CCFLAGS=            $(CCOPTFLAG) $( $(MACH)_CCFLAGS) $(CCSOURCEDEBUGFLAGS) \
617                     $(CUSERFLAGS)
618 CCFLAGS64=          $(CCOPTFLAG64) $( $(MACH64)_CCFLAGS) $(CCSOURCEDEBUGFLAGS) \
619                     $(CUSERFLAGS64)

621 #
622 #
623 #
624 ELFWRAP_FLAGS =
625 ELFWRAP_FLAGS64 = -64

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

639 #
640 # Generated mapfiles that are compiler specific, and used throughout the
641 # build. These mapfiles are not delivered in /usr/lib/ld.
642 #
643 MAPFILE.NGB_sparc= $(SRC)/common/mapfiles/gen/sparc_cc_map.noexglobs
644 $(__GNUMC64)MAPFILE.NGB_sparc= \
645 $(SRC)/common/mapfiles/gen/sparc_gcc_map.noexglobs
646 MAPFILE.NGB_sparcv9= $(SRC)/common/mapfiles/gen/sparcv9_cc_map.noexglobs
647 $(__GNUMC64)MAPFILE.NGB_sparcv9= \
648 $(SRC)/common/mapfiles/gen/sparcv9_gcc_map.noexglobs
649 MAPFILE.NGB_i386= $(SRC)/common/mapfiles/gen/i386_cc_map.noexglobs
650 $(__GNUMC64)MAPFILE.NGB_i386= \
651 $(SRC)/common/mapfiles/gen/i386_gcc_map.noexglobs
652 MAPFILE.NGB_amd64= $(SRC)/common/mapfiles/gen/amd64_cc_map.noexglobs
653 $(__GNUMC64)MAPFILE.NGB_amd64= \
654 $(SRC)/common/mapfiles/gen/amd64_gcc_map.noexglobs

```

```

655 MAPFILE.NGB =          $(MAPFILE.NGB_$(MACH))

657 #
658 # A generic interface mapfile name, used by various dynamic objects to define
659 # the interfaces and interposers the object must export.
660 #
661 MAPFILE.INT =            mapfile-intf

663 #
664 # LDLIBS32 and LDLIBS64 can be set in the environment to override the following
665 # assignments.
666 #
667 # These environment settings make sure that no libraries are searched outside
668 # of the local workspace proto area:
669 #     LDLIBS32=-YP,$ROOT/lib:$ROOT/usr/lib
670 #     LDLIBS64=-YP,$ROOT/lib:$MACH64:$ROOT/usr/lib:$MACH64
671 #
672 LDLIBS32 =               $(ENVLDLIBS1) $(ENVLDLIBS2) $(ENVLDLIBS3)
673 LDLIBS32 +=              $(ADJUNCT_PROTO:%=-L%/usr/lib -L%/lib)
674 LDLIBS.cmd =             $(LDLIBS32)
675 LDLIBS.lib =             $(LDLIBS32)

677 LDLIBS64 =              $(ENVLDLIBS1:%=-L%/$(MACH64)) \
678                          $(ENVLDLIBS2:%=-L%/$(MACH64)) \
679                          $(ENVLDLIBS3:%=-L%/$(MACH64))
680 LDLIBS64 +=              $(ADJUNCT_PROTO:%=-L%/usr/lib/$(MACH64) -L%/lib/$(MACH64))

682 #
683 # Define compilation macros.
684 #
685 COMPILE.c=               $(CC) $(CFLAGS) $(CPPFLAGS) -c
686 COMPILE64.c=             $(CC) $(CFLAGS64) $(CPPFLAGS) -c
687 COMPILE.cc=              $(CCC) $(CCFLAGS) $(CPPFLAGS) -c
688 COMPILE64.cc=            $(CCC) $(CCFLAGS64) $(CPPFLAGS) -c
689 COMPILE.s=               $(AS) $(ASFLAGS) $(AS_CPPFLAGS)
690 COMPILE64.s=             $(AS) $(ASFLAGS) $(MACH64)_AS_XARCH $(AS_CPPFLAGS)
691 COMPILE.d=               $(DTRACE) -G -32
692 COMPILE64.d=             $(DTRACE) -G -64
693 COMPILE.b=               $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))
694 COMPILE64.b=             $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))

696 CLASSPATH=
697 COMPILE.java=            $(JAVAC) $(JAVAFLAGS) -classpath $(CLASSPATH)

699 #
700 # Link time macros
701 #
702 CCNEEDED                  = -lC
703 CCEXTNEEDED              = -lCrun -lCstd
704 $(__GNUCC)CCNEEDED       = -L$(GCCLIBDIR) -lstl++ -lgcc_s
705 $(__GNUCC)CCEXTNEEDED    = $(CCNEEDED)

707 LINK.c=                  $(CC) $(CFLAGS) $(CPPFLAGS) $(LDFLAGS)
708 LINK64.c=                $(CC) $(CFLAGS64) $(CPPFLAGS) $(LDFLAGS)
709 NORUNPATH=               -norunpath -nolib
710 LINK.cc=                 $(CCC) $(CCFLAGS) $(CPPFLAGS) $(NORUNPATH) \
711                          $(LDFLAGS) $(CCNEEDED)
712 LINK64.cc=               $(CCC) $(CCFLAGS64) $(CPPFLAGS) $(NORUNPATH) \
713                          $(LDFLAGS) $(CCNEEDED)

715 #
716 # lint macros
717 #
718 # Note that the undefine of __PRAGMA_REDEFINE_EXTNAME can be removed once
719 # ON is built with a version of lint that has the fix for 4484186.
720 #

```

```

721 ALWAYS_LINT_DEFS =      -errtags=yes -s
722 ALWAYS_LINT_DEFS +=     -erroff=E_PTRDIFF_OVERFLOW
723 ALWAYS_LINT_DEFS +=     -erroff=E_ASSIGN_NARROW_CONV
724 ALWAYS_LINT_DEFS +=     -U__PRAGMA_REDEFINE_EXTNAME
725 ALWAYS_LINT_DEFS +=     $(C99LMODE)
726 ALWAYS_LINT_DEFS +=     -errsecurity=$(SECLEVEL)
727 ALWAYS_LINT_DEFS +=     -erroff=E_SEC_CREAT_WITHOUT_EXCL
728 ALWAYS_LINT_DEFS +=     -erroff=E_SEC_FORBIDDEN_WARN_CREAT
729 # XX64 -- really only needed for amd64 lint
730 ALWAYS_LINT_DEFS +=     -erroff=E_ASSIGN_INT_TO_SMALL_INT
731 ALWAYS_LINT_DEFS +=     -erroff=E_CAST_INT_CONST_TO_SMALL_INT
732 ALWAYS_LINT_DEFS +=     -erroff=E_CAST_INT_TO_SMALL_INT
733 ALWAYS_LINT_DEFS +=     -erroff=E_CAST_TO_PTR_FROM_INT
734 ALWAYS_LINT_DEFS +=     -erroff=E_COMP_INT_WITH_LARGE_INT
735 ALWAYS_LINT_DEFS +=     -erroff=E_INTEGRAL_CONST_EXP_EXPECTED
736 ALWAYS_LINT_DEFS +=     -erroff=E_PASS_INT_TO_SMALL_INT
737 ALWAYS_LINT_DEFS +=     -erroff=E_PTR_CONV_LOSES_BITS

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

743 SECLEVEL=              core
744 LINT.c=                 $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS) $(CPPFLAGS) \
745                          $(ALWAYS_LINT_DEFS)
746 LINT64.c=               $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS64) $(CPPFLAGS) \
747                          $(ALWAYS_LINT_DEFS)
748 LINT.s=                 $(LINT.c)

750 # For some future builds, NATIVE_MACH and MACH might be different.
751 # Therefore, NATIVE_MACH needs to be redefined in the
752 # environment as 'uname -p' to override this macro.
753 #
754 # For now at least, we cross-compile amd64 on i386 machines.
755 NATIVE_MACH=            $(MACH:amd64=i386)

757 # Define native compilation macros
758 #

760 # Base directory where compilers are loaded.
761 # Defined here so it can be overridden by developer.
762 #
763 SPRO_ROOT=              $(BUILD_TOOLS)/SUNWsprio
764 SPRO_VROOT=             $(SPRO_ROOT)/SS12
765 GNU_ROOT=               /usr

767 # Till SS12ul formally becomes the NV CBE, LINT is hard
768 # coded to be picked up from the $SPRO_ROOT/sunstudio12.1/
769 # location. Impacted variables are sparc_LINT, sparcv9_LINT,
770 # i386_LINT, amd64_LINT.
771 # Reset them when SS12ul is rolled out.
772 #

774 # Specify platform compiler versions for languages
775 # that we use (currently only c and c++).
776 #
777 sparc_CC=                $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
778 $(__GNUCC)sparc_CC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
779 sparc_CCC=               $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
780 $(__GNUCC)sparc_CCC=     $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
781 sparc_CPP=               /usr/ccs/lib/cpp
782 sparc_AS=                /usr/ccs/bin/as -xregsym=no
783 sparc_LD=                /usr/ccs/bin/ld
784 sparc_LINT=              $(SPRO_ROOT)/sunstudio12.1/bin/lint

786 sparcv9_CC=              $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc

```

```

787 $(__GNUC64)sparcv9_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
788 sparcv9_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
789 $(__GNUC64)sparcv9_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
790 sparcv9_CPP= /usr/ccs/lib/cpp
791 sparcv9_AS= /usr/ccs/bin/as -xregsym=no
792 sparcv9_LD= /usr/ccs/bin/ld
793 sparcv9_LINT= $(SPRO_ROOT)/sunstudio12.1/bin/lint

```

```

795 i386_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
796 $(__GNUC)i386_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
797 i386_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
798 $(__GNUC)i386_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
799 i386_CPP= /usr/ccs/lib/cpp
800 i386_AS= /usr/ccs/bin/as
801 $(__GNUC)i386_AS= $(ONBLD_TOOLS)/bin/$(MACH)/aw
802 i386_LD= /usr/ccs/bin/ld
803 i386_LINT= $(SPRO_ROOT)/sunstudio12.1/bin/lint

```

```

805 amd64_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_cc
806 $(__GNUC64)amd64_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
807 amd64_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_CC
808 $(__GNUC64)amd64_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw -_g++
809 amd64_CPP= /usr/ccs/lib/cpp
810 amd64_AS= $(ONBLD_TOOLS)/bin/$(MACH)/aw
811 amd64_LD= /usr/ccs/bin/ld
812 amd64_LINT= $(SPRO_ROOT)/sunstudio12.1/bin/lint

```

```

814 NATIVECC= $(($(NATIVE_MACH)_CC))
815 NATIVECCC= $(($(NATIVE_MACH)_CCC))
816 NATIVECPP= $(($(NATIVE_MACH)_CPP))
817 NATIVEAS= $(($(NATIVE_MACH)_AS))
818 NATVELD= $(($(NATIVE_MACH)_LD))
819 NATVELINT= $(($(NATIVE_MACH)_LINT))

```

```

821 #
822 # Makefile.master.64 overrides these settings
823 #
824 CC= $(NATIVECC)
825 CCC= $(NATIVECCC)
826 CPP= $(NATIVECPP)
827 AS= $(NATIVEAS)
828 LD= $(NATVELD)
829 LINT= $(NATVELINT)

```

```

831 # The real compilers used for this build
832 CW_CC_CMD= $(CC) -_compiler
833 CW_CCC_CMD= $(CCC) -_compiler
834 REAL_CC= $(CW_CC_CMD:sh)
835 REAL_CCC= $(CW_CCC_CMD:sh)

```

```

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

```

```

840 BDIRECT= -Bdirect
841 BDYNAMIC= -Bdynamic
842 BLOCAL= -Blocal
843 BNODIRECT= -Bnodirect
844 BREDUCE= -Breduce
845 BSTATIC= -Bstatic

```

```

847 ZDEFS= -zdefs
848 ZDIRECT= -zdirect
849 ZIGNORE= -zignore
850 ZINITFIRST= -zinitfirst
851 ZINTERPOSE= -zinterpose
852 ZLAZYLOAD= -zlazyload

```

```

853 ZLOADFLTR= -zloadfltr
854 ZMULDEFS= -zmuldefs
855 ZNODEFAULTLIB= -znodefaultlib
856 ZNODEFS= -znodelfs
857 ZNODELETE= -znodelete
858 ZNODLOPEN= -znodlopen
859 ZNODUMP= -znodump
860 ZNOLAZYLOAD= -znolazyload
861 ZNOLDYNSYM= -znolddynsym
862 ZNORELOC= -znoreloc
863 ZNOVERSION= -znoversion
864 ZRECORD= -zrecord
865 ZREDLOCSYM= -zredlocsyzm
866 ZTEXT= -ztext
867 ZVERBOSE= -zverbose

```

```

869 GSHARED= -G
870 CCMT= -mt

```

```

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

```

```

875 sparc_C_PICFLAGS = -K pic
876 sparcv9_C_PICFLAGS = -K pic
877 i386_C_PICFLAGS = -K pic
878 amd64_C_PICFLAGS = -K pic
879 C_PICFLAGS = $(($(MACH)_C_PICFLAGS))
880 C_PICFLAGS64 = $(($(MACH64)_C_PICFLAGS))

```

```

882 sparc_C_BIGPICFLAGS = -K PIC
883 sparcv9_C_BIGPICFLAGS = -K PIC
884 i386_C_BIGPICFLAGS = -K PIC
885 amd64_C_BIGPICFLAGS = -K PIC
886 C_BIGPICFLAGS = $(($(MACH)_C_BIGPICFLAGS))
887 C_BIGPICFLAGS64 = $(($(MACH64)_C_BIGPICFLAGS))

```

```

889 # CC requires there to be no space between '-K' and 'pic' or 'PIC'.
890 sparc_CC_PICFLAGS = -Kpic
891 sparcv9_CC_PICFLAGS = -KPIC
892 i386_CC_PICFLAGS = -Kpic
893 amd64_CC_PICFLAGS = -Kpic
894 CC_PICFLAGS = $(($(MACH)_CC_PICFLAGS))
895 CC_PICFLAGS64 = $(($(MACH64)_CC_PICFLAGS))

```

```

897 AS_PICFLAGS= $(C_PICFLAGS)
898 AS_BIGPICFLAGS= $(C_BIGPICFLAGS)

```

```

900 #
901 # Default label for CTF sections
902 #
903 CTFCVTFLAGS= -i -L VERSION

```

```

905 #
906 # Override to pass module-specific flags to ctfmerge. Currently used only by
907 # krtld to turn on fuzzy matching, and source-level debugging to inhibit
908 # stripping.
909 #
910 CTFMRGFLAGS=

```

```

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

```

```

914 ELFSIGN_O= $(TRUE)
915 ELFSIGN_CRYPT= $(ELFSIGN_O)
916 ELFSIGN_OBJECT= $(ELFSIGN_O)

```

```

918 # Rules (normally from make.rules) and macros which are used for post

```

```

919 # processing files. Normally, these do stripping of the comment section
920 # automatically.
921 #     RELEASE_CM:      Should be edited to reflect the release.
922 #     POST_PROCESS_O:  Post-processing for '.o' files.
923 #     POST_PROCESS_A:  Post-processing for '.a' files (currently null).
924 #     POST_PROCESS_SO: Post-processing for '.so' files.
925 #     POST_PROCESS:    Post-processing for executable files (no suffix).
926 # Note that these macros are not completely generalized as they are to be
927 # used with the file name to be processed following.
928 #
929 # It is left as an exercise to Release Engineering to embellish the generation
930 # of the release comment string.
931 #
932 #     If this is a standard development build:
933 #     compress the comment section (mcs -c)
934 #     add the standard comment (mcs -a $(RELEASE_CM))
935 #     add the development specific comment (mcs -a $(DEV_CM))
936 #
937 #     If this is an installation build:
938 #     delete the comment section (mcs -d)
939 #     add the standard comment (mcs -a $(RELEASE_CM))
940 #     add the development specific comment (mcs -a $(DEV_CM))
941 #
942 #     If this is an release build:
943 #     delete the comment section (mcs -d)
944 #     add the standard comment (mcs -a $(RELEASE_CM))
945 #
946 # The following list of macros are used in the definition of RELEASE_CM
947 # which is used to label all binaries in the build:
948 #
949 #     RELEASE      Specific release of the build, eg: 5.2
950 #     RELEASE_MAJOR Major version number part of $(RELEASE)
951 #     RELEASE_MINOR Minor version number part of $(RELEASE)
952 #     VERSION      Version of the build (alpha, beta, Generic)
953 #     PATCHID      If this is a patch this value should contain
954 #                  the patchid value (eg: "Generic 100832-01"), otherwise
955 #                  it will be set to $(VERSION)
956 #     RELEASE_DATE  Date of the Release Build
957 #     PATCH_DATE    Date the patch was created, if this is blank it
958 #                  will default to the RELEASE_DATE
959 #
960 RELEASE_MAJOR= 5
961 RELEASE_MINOR= 11
962 RELEASE= $(RELEASE_MAJOR).$(RELEASE_MINOR)
963 VERSION= SunOS Development
964 PATCHID= $(VERSION)
965 RELEASE_DATE= release date not set
966 PATCH_DATE= $(RELEASE_DATE)
967 RELEASE_CM= "@$(POUND_SIGN)SunOS $(RELEASE) $(PATCHID) $(PATCH_DATE)"
968 DEV_CM= "@$(POUND_SIGN)SunOS Internal Development: non-nightly build"
969
970 PROCESS_COMMENT= @?${MCS} -d -a $(RELEASE_CM) -a $(DEV_CM)
971 $(RELEASE_BUILD)PROCESS_COMMENT= @?${MCS} -d -a $(RELEASE_CM)
972
973 STRIP_STABS= $(STRIP) -x $@
974 $(SRCDGBLD)STRIP_STABS= :
975
976 POST_PROCESS_O=
977 POST_PROCESS_A=
978 POST_PROCESS_SO= $(PROCESS_COMMENT) $@ ; $(STRIP_STABS) ; \
979                  $(ELFSIGN_OBJECT)
980 POST_PROCESS= $(PROCESS_COMMENT) $@ ; $(STRIP_STABS) ; \
981               $(ELFSIGN_OBJECT)
982
983 #
984 # chk4ubin is a tool that inspects a module for a symbol table

```

```

985 # ELF section size which can trigger an OBP bug on older platforms.
986 # This problem affects only specific sun4u bootable modules.
987 #
988 CHK4UBIN= $(ONBLD_TOOLS)/bin/$(MACH)/chk4ubin
989 CHK4UBINFLAGS=
990 CHK4UBINARY= $(CHK4UBIN) $(CHK4UBINFLAGS) $@
991
992 #
993 # PKGARCHIVE specifies the default location where packages should be
994 # placed if built.
995 #
996 $(RELEASE_BUILD)PKGARCHIVESUFFIX= -nd
997 PKGARCHIVE=$(SRC)/../../packages/$(MACH)/nightly$(PKGARCHIVESUFFIX)
998
999 #
1000 # The repositories will be created with these publisher settings. To
1001 # update an image to the resulting repositories, this must match the
1002 # publisher name provided to "pkg set-publisher."
1003 #
1004 PKGPUBLISHER_REDIST= on-nightly
1005 PKGPUBLISHER_NONREDIST= on-extra
1006
1007 # Default build rules which perform comment section post-processing.
1008 #
1009 .c:
1010     $(LINK.c) -o $@ $< $(LDLIBS)
1011     $(POST_PROCESS)
1012 .c.o:
1013     $(COMPILE.c) $(OUTPUT_OPTION) $< $(CTFCONVERT_HOOK)
1014     $(POST_PROCESS_O)
1015 .c.a:
1016     $(COMPILE.c) -o $% $<
1017     $(PROCESS_COMMENT) $%
1018     $(AR) $(ARFLAGS) $@ $%
1019     $(RM) $%
1020 .s.o:
1021     $(COMPILE.s) -o $@ $<
1022     $(POST_PROCESS_O)
1023 .s.a:
1024     $(COMPILE.s) -o $% $<
1025     $(PROCESS_COMMENT) $%
1026     $(AR) $(ARFLAGS) $@ $%
1027     $(RM) $%
1028 .cc:
1029     $(LINK.cc) -o $@ $< $(LDLIBS)
1030     $(POST_PROCESS)
1031 .cc.o:
1032     $(COMPILE.cc) $(OUTPUT_OPTION) $<
1033     $(POST_PROCESS_O)
1034 .cc.a:
1035     $(COMPILE.cc) -o $% $<
1036     $(AR) $(ARFLAGS) $@ $%
1037     $(PROCESS_COMMENT) $%
1038     $(RM) $%
1039 .y:
1040     $(YACC.y) $<
1041     $(LINK.c) -o $@ y.tab.c $(LDLIBS)
1042     $(POST_PROCESS)
1043     $(RM) y.tab.c
1044 .y.o:
1045     $(YACC.y) $<
1046     $(COMPILE.c) -o $@ y.tab.c $(CTFCONVERT_HOOK)
1047     $(POST_PROCESS_O)
1048     $(RM) y.tab.c
1049 .l:
1050     $(RM) $*.c

```



```

1051      $(LEX.l) $< > $*.c
1052      $(LINK.c) -o $@ $*.c -ll $(LDLIBS)
1053      $(POST_PROCESS)
1054      $(RM) $*.c
1055 .l.o:
1056      $(RM) $*.c
1057      $(LEX.l) $< > $*.c
1058      $(COMPILE.c) -o $@ $*.c $(CTFCONVERT_HOOK)
1059      $(POST_PROCESS_O)
1060      $(RM) $*.c

1062 .bin.o:
1063      $(COMPILE.b) -o $@ $<
1064      $(POST_PROCESS_O)

1066 .java.class:
1067      $(COMPILE.java) $<

1069 # Bourne and Korn shell script message catalog build rules.
1070 # We extract all gettext strings with sed(1) (being careful to permit
1071 # multiple gettext strings on the same line), weed out the dups, and
1072 # build the catalogue with awk(1).

1074 .sh.po .ksh.po:
1075      $(SED) -n -e "a" \
1076      -e "h" \
1077      -e "s/.*gettext *\([^\"]*\).*\/1/p" \
1078      -e "x" \
1079      -e "s/\(.*\)gettext *\([^\"]*\)\(.*\)\/12/" \
1080      -e "t a" \
1081      $< | sort -u | awk '{ print "msgid\t" $$0 "\nmsgstr" }' > $@

1083 #
1084 # Python and Perl executable and message catalog build rules.
1085 #
1086 .SUFFIXES: .pl .pm .py .pyc

1088 .pl:
1089      $(RM) $@;
1090      $(SED) -e "s@TEXT_DOMAIN@\"$(TEXT_DOMAIN)\"@" $< > $@;
1091      $(CHMOD) +x $@

1093 .py:
1094      $(RM) $@; $(CAT) $< > $@; $(CHMOD) +x $@

1096 .py.pyc:
1097      $(RM) $@
1098      $(PYTHON) -mpy_compile $<
1099      @[ $(<)c = $@ ] || $(MV) $(<)c $@

1101 .py.po:
1102      $(GNUXGETTEXT) $(GNUXGETFLAGS) -d $(<F:%.py=) $< ;

1104 .pl.po .pm.po:
1105      $(XGETTEXT) $(XGETFLAGS) -d $(<F) $< ;
1106      $(RM) $@ ;
1107      $(SED) "/^domain/d" < $(<F).po > $@ ;
1108      $(RM) $(<F).po

1110 #
1111 # When using xgettext, we want messages to go to the default domain,
1112 # rather than the specified one. This special version of the
1113 # COMPILE.cpp macro effectively prevents expansion of TEXT_DOMAIN,
1114 # causing xgettext to put all messages into the default domain.
1115 #
1116 CPPFORPO=$(COMPILE.cpp:"$(TEXT_DOMAIN)"=TEXT_DOMAIN)

```

```

1118 .c.i:
1119      $(CPPFORPO) $< > $@

1121 .h.i:
1122      $(CPPFORPO) $< > $@

1124 .y.i:
1125      $(YACC) -d $<
1126      $(CPPFORPO) y.tab.c > $@
1127      $(RM) y.tab.c

1129 .l.i:
1130      $(LEX) $<
1131      $(CPPFORPO) lex.yy.c > $@
1132      $(RM) lex.yy.c

1134 .c.po:
1135      $(CPPFORPO) $< > $<.i
1136      $(BUILD.po)

1138 .cc.po:
1139      $(CPPFORPO) $< > $<.i
1140      $(BUILD.po)

1142 .y.po:
1143      $(YACC) -d $<
1144      $(CPPFORPO) y.tab.c > $<.i
1145      $(BUILD.po)
1146      $(RM) y.tab.c

1148 .l.po:
1149      $(LEX) $<
1150      $(CPPFORPO) lex.yy.c > $<.i
1151      $(BUILD.po)
1152      $(RM) lex.yy.c

1154 #
1155 # Rules to perform stylistic checks
1156 #
1157 .SUFFIXES: .x .xml .check .xmlchk

1159 .h.check:
1160      $(DOT_H_CHECK)

1162 .x.check:
1163      $(DOT_X_CHECK)

1165 .xml.xmlchk:
1166      $(MANIFEST_CHECK)

1168 #
1169 # Include rules to render automated sccs get rules "safe".
1170 #
1171 include $(SRC)/Makefile.noget

```

new/usr/src/cmd/mdb/sparc/v7/libfksmbsrv/Makefile

1

1658 Mon Aug 31 16:17:20 2015

new/usr/src/cmd/mdb/sparc/v7/libfksmbsrv/Makefile

6117 Many small bugs prevent a clean build on SPARC

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30 MODULE = libfksmbsrv.so
31 MDBTGT = proc

33 MODSRCS = smbssrv.c list.c

35 include ../../../../Makefile.cmd
36 include ../../Makefile.sparcv7
37 include ../../../../Makefile.module

39 MODSRCS_DIR = ../../../../common/modules/smbssrv
40 GENUNIX_DIR = ../../../../common/modules/genunix

42 # Note: need our sys includes _before_ ENVCPPFLAGS, proto etc.
43 CPPFLAGS.first += -I../../../../../../lib/smbssrv/libfksmbsrv/common
44 CPPFLAGS.first += -I../../../../../../lib/libfakekernel/common

46 CPPFLAGS += -I../../../../../../uts/common

48 C99MODE=      -xc99=%all
49 C99LMODE=     -Xc99=%all

51 dmod/%.o: $(GENUNIX_DIR)/%.c
52         $(COMPILE.c) -o $@ $<
53         $(CTFCONVERT_O)

55 dmod/%.ln: $(GENUNIX_DIR)/%.c
56         $(LINT.c) -c $<
```

new/usr/src/cmd/mdb/sparc/v9/libfksmbsrv/Makefile

1

1694 Mon Aug 31 16:17:20 2015

new/usr/src/cmd/mdb/sparc/v9/libfksmbsrv/Makefile

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28 #

30 MODULE = libfksmbsrv.so
31 MDBTGT = proc

33 MODSRCS = smbssrv.c list.c

35 include ../../../../Makefile.cmd
36 include ../../../../Makefile.cmd.64
37 include ../../Makefile.sparcv9
38 include ../../../../Makefile.module

40 MODSRCS_DIR = ../../../../common/modules/smbssrv
41 GENUNIX_DIR = ../../../../common/modules/genunix

43 # Note: need our sys includes _before_ ENVCPFLAGS, proto etc.
44 CPPFLAGS.first += -I../../../../../lib/smbssrv/libfksmbsrv/common
45 CPPFLAGS.first += -I../../../../../lib/libfakekernel/common

47 CPPFLAGS += -I../../../../../uts/common

49 C99MODE=      -xc99=%all
50 C99LMODE=     -Xc99=%all

52 dmod/%.o: $(GENUNIX_DIR)/%.c
53     $(COMPILE.c) -o $@ $<
54     $(CTFCONVERT_O)

56 dmod/%.ln: $(GENUNIX_DIR)/%.c
57     $(LINT.c) -c $<
```

new/usr/src/cmd/sgs/lex/Makefile.com

1

```
*****
2937 Mon Aug 31 16:17:21 2015
new/usr/src/cmd/sgs/lex/Makefile.com
6117 Many small bugs prevent a clean build on SPARC
*****
```

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27 PROG=          lex

29 MACHOBJJS=      main.o sub1.o sub2.o sub3.o header.o parser.o
30 OBJECTS=        $(MACHOBJJS)
31 POBJS=          $(OBJECTS:%=objs/%)

33 LIBRARY=        libl.a
34 VERS=           .1

36 LIBOBJJS=       allprint.o libmain.o reject.o yyless.o yywrap.o
37 LIBOBJJS_W=     allprint_w.o reject_w.o yyless_w.o
38 LIBOBJJS_E=     reject_e.o yyless_e.o
39 OBJECTS=        $(LIBOBJJS) $(LIBOBJJS_W) $(LIBOBJJS_E)

41 FORMS=          nceucform ncform nrform

43 include         ../../../../lib/Makefile.lib

45 SRCDIR =        ../common

47 C99MODE=        $(C99_ENABLE)

49 CERRWARN +=     -gcc=-Wno-unused-label
50 CERRWARN +=     -gcc=-Wno-uninitialized
51 CERRWARN +=     -gcc=-Wno-parentheses

53 # Override default source file derivation rule (in Makefile.lib)
54 # from objects
55 #
56 MACHSRCS=        $(MACHOBJJS:%.o=../common/%.c)
57 LIBSRCS =        $(LIBOBJJS:%.o=../common/%.c)
58 SRCS=           $(MACHSRCS) $(LIBSRCS)

60 LIBS =          $(DYNLIB) $(LINTLIB)
```

new/usr/src/cmd/sgs/lex/Makefile.com

2

```
62 LINTSRCS=       ../common/libl-1$(LIBNAME)

64 INCLIST=         $(INCLIST_$(MACH)) -I../include -I../include/$(MACH)
65 DEFLIST=         -DEF

67 # It is not very clean to base the conditional definitions as below, but
68 # this will have to do for now.
69 #
70 #$(LIBOBJJS_W):= DEFLIST = -DEUC -DJLSLEX -DWOPTION -D$*=$*_w
71 objs/%_w.o:=    DEFLIST = -DEUC -DJLSLEX -DWOPTION -D$*=$*_w
72 pics/%_w.o:=    DEFLIST = -DEUC -DJLSLEX -DWOPTION -D$*=$*_w

74 #$(LIBOBJJS_E):= DEFLIST = -DEUC -DJLSLEX -DEOPTION -D$*=$*_e
75 objs/%_e.o:=    DEFLIST = -DEUC -DJLSLEX -DEOPTION -D$*=$*_e
76 pics/%_e.o:=    DEFLIST = -DEUC -DJLSLEX -DEOPTION -D$*=$*_e

78 CPPFLAGS=       $(INCLIST) $(DEFLIST) $(CPPFLAGS.master)
79 BUILD.AR=       $(AR) $(ARFLAGS) $@ `$(LORDER) $(OBJS) | $(TSORT)`
80 LINTFLAGS=       -nuaxm
81 LINTFLAGS64=     -nuaxm -m64
82 LINTFLAGS=       -amux
83 LINTPOUT=        lint.out

82 $(LINTLIB):=    LINTFLAGS = -nvx
84 $(ROOTPROG):=   FILEMODE = 0555

86 ROOTFORMS=      $(FORMS:%=$(ROOTSHLIBCCS)/%)

88 ROOTLINTDIR=    $(ROOTLIBDIR)
89 ROOTLINT=        $(LINTSRCS:../common/%=$(ROOTLINTDIR)/%)

91 DYNLINKLIBDIR=  $(ROOTLIBDIR)
92 DYNLINKLIB=      $(LIBLINKS:%=$(DYNLINKLIBDIR)/%)

94 # Need to make sure lib-make's are warning free
95 $(DYNLIB) :=     CFLAGS += $(CCVERBOSE)
96 $(DYNLIB) :=     CFLAGS64 += $(CCVERBOSE)

98 $(DYNLIB) :=     LDLIBS += -lc

100 CLEANFILES +=  ../common/parser.c $(LINTPOUT)
101 CLOBBERFILES += $(LIBS) $(LIBRARY)
```

new/usr/src/cmd/sgs/libelf/Makefile.com

1

3295 Mon Aug 31 16:17:21 2015
new/usr/src/cmd/sgs/libelf/Makefile.com
6117 Many small bugs prevent a clean build on SPARC

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26 LIBRARY=      libelf.a
27 VERS=         .1
28 M4=           m4

29 MACHOBJS=
30 COMOBJS=      ar.o      begin.o      cntl.o      cook.o \
31              data.o      end.o      fill.o      flag.o \
32              getarhdr.o  getarsym.o getbase.o  getdata.o \
33              getehdr.o  getident.o getphdr.o  getscn.o \
34              getshdr.o \
35              getphnum.o  getshnum.o getshstrndx.o \
36              hash.o      input.o      kind.o \
37              ndxscn.o    newdata.o newehdr.o  newphdr.o \
38              newscn.o    next.o      nextscn.o  output.o \
39              rand.o      rawdata.o  rawput.o \
40              strptr.o    update.o    error.o    gelf.o \
41              clscook.o   checksum.o newehdr64.o newphdr64.o update64.o \
42 CLASSOBJS=    clscook64.o checksum64.o
43
44 BLTOBJS=      msg.o      xlate.o      xlate64.o
45 MISCOBJS=     String.o   args.o      demangle.o  nlist.o \
46              nplist.o
47 MISCOBJS64=   nlist.o

49 OBJECTS=      $(BLTOBJS) $(MACHOBJS) $(COMOBJS) $(CLASSOBJS) $(MISCOBJS)

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

53 # Use the value of M4 set in Makefile.master via Makefile.lib

55 DEMOFILES=     Makefile      00README      acom.c      dcom.c \
56              pcom.c      tpcom.c      dispysms.c
57 DEMOFILESRCDIR= ../demo
58 ROOTDEMODIRBASE=$(ROOT)/usr/demo/ELF
59 ROOTDEMODIRS=  $(ROOTDEMODIRBASE)
```

new/usr/src/cmd/sgs/libelf/Makefile.com

2

```
61 include $(SRC)/cmd/sgs/Makefile.com

63 WARLOCKFILES= $(OBJECTS:%.o=wlocks/%.ll)

65 MAPFILES =     ../common/mapfile-vers

67 DYNFLAGS +=     $(VERSREF)
68 LDLIBS +=       $(CONVLIBDIR) $(CONV_LIB) -lc

70 LINTFLAGS +=    -u -erroff=E_BAD_PTR_CAST_ALIGN
71 LINTFLAGS64 +=  -u -erroff=E_CAST_INT_TO_SMALL_INT

73 CERRWARN +=     -_gcc=-Wno-parentheses
74 CERRWARN +=     -_gcc=-Wno-uninitialized

76 BUILD.AR=       $(RM) $@ ; \
77                 $(AR) q $@ '$(LORDER) $(OBJECTS:%=$(DIR)/%)' $(TSORT) `
78                 $(POST_PROCESS_A)

81 BLTDEFS=         msg.h
82 BLTDATA=         msg.c
83 BLTMESG=         $(SGSMGDIR)/libelf

85 BLTFILES=       $(BLTDEFS) $(BLTDATA) $(BLTMESG)

87 SGSMGSCOM=      ../common/libelf.msg
88 SGSMG32=        ../common/libelf.32.msg
89 SGMSGTARG=      $(SGSMGCOM)
90 SGMSGALL=       $(SGSMGCOM) $(SGMSG32)

92 SGMSGGFLAGS1=   $(SGMSGGFLAGS) -m $(BLTMESG)
93 SGMSGGFLAGS2=   $(SGMSGGFLAGS) -h $(BLTDEFS) -d $(BLTDATA) -n libelf_msg

95 BLTSRCS=        $(BLTOBJS:%.o=%.c)
96 LIBSRCS=        $(COMOBJS:%.o=../common/%.c) $(MISCOBJS:%.o=../misc/%.c) \
97                 $(MACHOBJS:%.o=%.c) $(BLTSRCS)
98 SRCS=           ../common/libelf
99 LINTSRCS=       $(LIBSRCS) ../common/lintsup.c

101 ROOTFS_DYNLIB=   $(DYNLIB:%=$(ROOTFS_LIBDIR)/%)
102 ROOTFS_LINTLIB=  $(LINTLIB:%=$(ROOTFS_LIBDIR)/%)

104 ROOTFS_DYNLIB64= $(DYNLIB:%=$(ROOTFS_LIBDIR64)/%)
105 ROOTFS_LINTLIB64= $(LINTLIB:%=$(ROOTFS_LIBDIR64)/%)

107 $(ROOTFS_DYNLIB) := FILEMODE= 755
108 $(ROOTFS_DYNLIB64) := FILEMODE= 755

110 LIBS =          $(DYNLIB) $(LINTLIB)

112 CLEANFILES +=   $(LINTOUTS) $(BLTSRCS) $(BLTFILES) $(WARLOCKFILES)

114 .PARALLEL:      $(LIBS)
```

new/usr/src/cmd/sgs/yacc/Makefile.com

1

2340 Mon Aug 31 16:17:21 2015
new/usr/src/cmd/sgs/yacc/Makefile.com
6117 Many small bugs prevent a clean build on SPARC

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27 PROG=          yacc

29 COMOBJS=        y1.o y2.o y3.o y4.o
30 OBJECTS=        $(COMOBJS)
31 POBJS=          $(OBJECTS:%=objs/%)

33 OBJECTS=        libmai.o libzer.o

35 LIBRARY=        liby.a
36 VERS=           .1
37 YACCPAR=        yaccpar

39 include ../../../../lib/Makefile.lib

41 SRCDIR =         ../common

43 # Override default source file derivation rule (in Makefile.lib)
44 # from objects
45 #
46 COMSRCS=         $(COMOBJS:%.o=../common/%.c)
47 LIBSRCS=         $(OBJECTS:%.o=../common/%.c)
48 SRCS=            $(COMSRCS) $(LIBSRCS)

50 LIBS =           $(DYNLIB) $(LINTLIB)

52 # Tune ZDEFS to ignore undefined symbols for building the yacc shared library
53 # since these symbols (mainly yyparse) are to be resolved elsewhere.
54 #
55 $(DYNLIB):= ZDEFS = $(ZNODEFS)
56 $(DYNLIBBCC):= ZDEFS = $(ZNODEFS)
57 LINTSRCS=        ../../common/lib-1$(LIBNAME)

59 INCLIST=         -I../../include -I../../include/$(MACH)
60 CPPFLAGS=        $(INCLIST) $(DEFLIST) $(CPPFLAGS.master)
61 LDLIBS=          $(LDLIBS.cmd)
```

new/usr/src/cmd/sgs/yacc/Makefile.com

2

```
62 BUILD.AR=       $(AR) $(ARFLAGS) $@ `$(LORDER) $(OBJS) | $(TSORT)`
63 LINTFLAGS=       -nuaxm
64 LINTFLAGS64=     -nuaxm -m64
62 LINTFLAGS=       -amux
65 LINTPOUT=        lint.out

67 C99MODE= $(C99_ENABLE)
68 CFLAGS += $(CCVERBOSE)
69 CFLAGS64 += $(CCVERBOSE)
70 CERRWARN += -_gcc=-Wno-parentheses
71 CERRWARN += -_gcc=-Wno-uninitialized

71 $(LINTLIB):=     LINTFLAGS = -nvx
73 $(ROOTPROG):=    FILEMODE = 0555

75 ROOTYACCPAR=    ${YACCPAR:%=$(ROOTSHLIBCCS)/%}

77 ROOTLINTDIR=    $(ROOTLIBDIR)
78 ROOTLINT=        $(LINTSRCS:../common/%=$(ROOTLINTDIR)/%)

80 DYNLINKLIBDIR=  $(ROOTLIBDIR)
81 DYNLINKLIB=      $(LIBLINKS:%=$(DYNLINKLIBDIR)/%)

83 $(DYNLIB) :=     LDLIBS += -lc

85 CLEANFILES +=   $(LINTPOUT)
86 CLOBBERFILES += $(LIBS) $(LIBRARY)
```

new/usr/src/lib/Makefile

1

```

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14029 Mon Aug 31 16:17:21 2015
new/usr/src/lib/Makefile
6117 Many small bugs prevent a clean build on SPARC
*****

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30 include ../Makefile.master

32 # Note that libcurses installs commands along with its library.
33 # This is a minor bug which probably should be fixed.
34 # Note also that a few extra libraries are kept in cmd source.
35 #
36 # Certain libraries are linked with, hence depend on, other libraries.
37 #
38 # Although we have historically used .WAIT to express dependencies, it
39 # reduces the amount of parallelism and thus lengthens the time it
40 # takes to build the libraries. Thus, we now require that any new
41 # libraries explicitly call out their dependencies. Eventually, all
42 # the library dependencies will be called out explicitly. See
43 # "Library interdependencies" near the end of this file.
44 #
45 # Aside from explicit dependencies (and legacy .WAITs), all libraries
46 # are built in parallel.
47 #
48 .PARALLEL:

50 SUBDIRS= \
51     common .WAIT \
52     ../cmd/sgs/libconv \
53     ../cmd/sgs/libdl .WAIT

55 SUBDIRS += \
56     libc .WAIT \
57     ../cmd/sgs/libelf .WAIT \
58     c_synonyms \
59     libmd \
60     libmd5 \
61     librsn

```

new/usr/src/lib/Makefile

2

```

62 libmp .WAIT \
63 libnsl \
64 libsecdb .WAIT \
65 librpcsvc \
66 libsocket .WAIT \
67 libsctp \
68 libsip \
69 libcommutil \
70 libresolv \
71 libresolv2 .WAIT \
72 libw .WAIT \
73 libintl .WAIT \
74 ../cmd/sgs/librtld_db \
75 libaio \
76 libast \
77 libdll \
78 libcmd \
79 libshell \
80 libsum \
81 librt \
82 libadm \
83 libctf \
84 libdtrace \
85 libdtrace_jni \
86 libcurses \
87 libtermcap \
88 libgen \
89 libgss \
90 libpam \
91 libuuid \
92 libthread \
93 libpthread .WAIT \
94 libslp \
95 libbsdmalloc \
96 libdoor \
97 libdevinfo \
98 libdladm \
99 libdlpi \
100 libeti \
101 libcrypt \
102 libdns_sd \
103 libefi \
104 libfstyp \
105 libwanboot \
106 libwanbootutil \
107 libcryptoutil \
108 libinetutil \
109 libipadm \
110 libipd \
111 libipmp \
112 libiscsit \
113 libkmf \
114 libkstat \
115 libkvm \
116 liblm \
117 libmalloc \
118 libmapmalloc \
119 libmtmalloc \
120 libnls \
121 libnwam \
122 libsbios \
123 libtecla \
124 libumem \
125 libnvpair .WAIT \
126 libexacct \
127 libsas1 \

```

new/usr/src/lib/Makefile

```

128      libldap5      \
129      libldap      .WAIT  \
130      libbsm       \
131      libsys       \
132      libsysevent  \
133      libnisdb     \
134      libpool      \
135      libpp        \
136      libproc      \
137      libproject   \
138      libsendfile  \
139      nametoaddr   \
140      ncad_addr    \
141      hbaapi       \
142      smhba        \
143      sun_fc       \
144      sun_sas      \
145      gss_mechs/mech_krb5 .WAIT  \
146      libkrb5      .WAIT  \
147      krb5         .WAIT  \
148      libsmbf      \
149      libfcoe      \
150      libsrpt      \
151      libstmf      \
152      libstmfproxy \
153      libnsctl     \
154      libunistat   \
155      libdscfg     \
156      librdc       \
157      libinstzones \
158      libpkg       \
159      libpcidb     \
160      libml        \
161      libm         \
162      libmvec      \
163
164
165 SUBDIRS += \
166      passwdutil  \
167      pam_modules \
168      crypt_modules \
169      libadt_jni   \
170      abi         \
171      auditd_plugins \
172      libvolmgt   \
173      libdevice   \
174      libdevvid   \
175      libc_db     \
176      libndmp     \
177      libsec      \
178      libtnfprobe \
179      libtnf      \
180      libtnfctl   \
181      libdhcpgent \
182      libdhcputil \
183      libxnet     \
184      libipsecutil \
185      nsswitch    \
186      print       \
187      libuutil    \
188      libscf      \
189      libinetsvc  \
190      librestart  \
191      libsched    \
192      libelfsign  \
193      pkcs11      .WAIT  \

```

3

new/usr/src/lib/Makefile

```

194      libpctx     .WAIT  \
195      libcpc       \
196      getloginx   \
197      watchmalloc \
198      extendedFILE \
199      madv         \
200      mpss        \
201      libdisasm   \
202      libwrap     \
203      libxcurses  \
204      libxcurses2 \
205      libbrand    .WAIT  \
206      libzonecfg  \
207      libzoneinfo \
208      libzonestat \
209      libtsnet    \
210      libtsol     \
211      gss_mechs/mech_spnego \
212      gss_mechs/mech_dummy  \
213      gss_mechs/mech_dh    \
214      rpcsec_gss          \
215      libraidcfg         .WAIT  \
216      librcm            .WAIT  \
217      libcfgadm         .WAIT  \
218      libpicl           .WAIT  \
219      libpicltree       .WAIT  \
220      raidcfg_plugins  \
221      cfgadm_plugins   \
222      libmail          \
223      lvm              \
224      libsmmedia       \
225      libipp           \
226      libdiskmgt       \
227      liblgrp          \
228      libfsmgt         \
229      fm               \
230      libavl           \
231      libcmdutils      \
232      libcontract      \
233      ../cmd/sendmail/libmilter \
234      sasl_plugins     \
235      udapl            \
236      libzpool         \
237      libzfs_core      \
238      libzfs           \
239      libbe            \
240      pylibbe          \
241      libzfs_jni       \
242      pyzfs            \
243      pysolaris        \
244      libmapid         \
245      brand            \
246      policykit        \
247      hal              \
248      libshare         \
249      libsqlite        \
250      libidmap         \
251      libadutils       \
252      libipmi          \
253      libexacct/demo   \
254      libvrrpadm       \
255      libvscan         \
256      libgrubmgmt      \
257      libfakekernel    \
258      smbssrv          \
259      libilb           \

```

4

new/usr/src/lib/Makefile

```

260      scsi          \
261      libima        \
262      libsun_ima    \
263      mpapi         \
264      librstp       \
265      libreparse    \
266      libhotplug    \
267      libfruutils   .WAIT  \
268      libfru        \
269      ${$(MACH)_SUBDIRS}

271 i386_SUBDIRS=      \
272      libfdisk       \
273      libsaveargs

275 sparc_SUBDIRS= .WAIT \
276      efcode        \
277      libds         \
278      libdscp       \
279      libprtdiag    .WAIT  \
280      libprtdiag_psr \
281      libpri        \
282      librsc        \
283      storage       \
284      libpcp        \
285      libtsalarm    \
286      libvl2n

288 FM_sparc_DEPLIBS= libpri

290 fm:      \
291      libexacct    \
292      libipmi      \
293      libzfs       \
294      scsi         \
295      ${FM_${$(MACH)_DEPLIBS}}

297 #
298 # Create a special version of $(SUBDIRS) with no .WAIT's, for use with the
299 # clean and clobber targets (for more information, see those targets, below).
300 #
301 NOWAIT_SUBDIRS= $(SUBDIRS:.WAIT=)

303 DCSUBDIRS =      \
304      lvm

306 MSGSUBDIRS=      \
307      abi          \
308      auditd_plugins \
309      brand        \
310      cfgadm_plugins \
311      gss_mechs/mech_dh      \
312      gss_mechs/mech_krb5   \
313      krb5           \
314      libast         \
315      libbsm        \
316      libc           \
317      libcfgadm     \
318      libcmd        \
319      libcontract   \
320      libcurses     \
321      libdhcputil   \
322      libipsecutil  \
323      libdiskmgt    \
324      libdladm      \
325      libdll        \

```

5

new/usr/src/lib/Makefile

```

326      libgrubmgmt  \
327      libgss        \
328      libidmap      \
329      libipmp       \
330      libilb        \
331      libinetutil   \
332      libinstzones  \
333      libipadm      \
334      libnsd        \
335      libnwam       \
336      libpam        \
337      libpicl       \
338      libpool       \
339      libpkg        \
340      libpp         \
341      libscf        \
342      libsas1       \
343      libldap5      \
344      libsecdb      \
345      libshare      \
346      libshell      \
347      libslldap     \
348      libslp        \
349      libsmbfs      \
350      libsmmedia    \
351      libsum        \
352      libtsol       \
353      libuutil      \
354      libvrrpadm    \
355      libvscan      \
356      libwanboot    \
357      libwanbootutil \
358      libzfs        \
359      libzonecfg    \
360      lvm           \
361      madv          \
362      mpss          \
363      pam_modules   \
364      pyzfs         \
365      pysolaris     \
366      rpcsec_gss    \
367      libreparse     \
368 MSGSUBDIRS +=      \
369      ${$(MACH)_MSGSUBDIRS}

371 sparc_MSGSUBDIRS= \
372      libprtdiag    \
373      libprtdiag_psr

375 i386_MSGSUBDIRS= libfdisk

377 HDRSUBDIRS=      \
378      auditd_plugins \
379      libast         \
380      libbrand       \
381      libbsm        \
382      libc           \
383      libcmd        \
384      libcmdutils   \
385      libcommputil  \
386      libcontract   \
387      libcpc        \
388      libctf        \
389      libcurses     \
390      libtermcap    \
391      libcryptoutil \

```

6

new/usr/src/lib/Makefile

```

392 libdevice /
393 libdevvid /
394 libdevinfo /
395 libdiskmgt /
396 libdladm /
397 libdll /
398 libdlpi /
399 libdhcpgagent /
400 libdhcputil /
401 libdisasm /
402 libdns_sd /
403 libdscfg /
404 libdtrace /
405 libdtrace_jni /
406 libelfsign /
407 libeti /
408 libfakekernel /
409 libfru /
410 libfstyp /
411 libgen /
412 libipadm /
413 libipd /
414 libipsecutil /
415 libinetsvc /
416 libinetutil /
417 libinstzones /
418 libipmi /
419 libipmp /
420 libipp /
421 libiscsit /
422 libkstat /
423 libkvm /
424 libmail /
425 libmd /
426 libmtmalloc /
427 libndmp /
428 libnvpair /
429 libnsctl /
430 libnsl /
431 libnwam /
432 libpam /
433 libpcidb /
434 libpctx /
435 libpicl /
436 libpicltree /
437 libpool /
438 libpp /
439 libproc /
440 libraidcfg /
441 librcm /
442 librdc /
443 libscf /
444 libsip /
445 libsmbios /
446 librestart /
447 librpcsvc /
448 librsn /
449 librstp /
450 libsas1 /
451 libsec /
452 libshell /
453 libslp /
454 libsmmedia /
455 libsocket /
456 libsqlite /
457 libfcoe /

```

7

new/usr/src/lib/Makefile

```

458 libsrpt /
459 libstmf /
460 libstmfproxy /
461 libsum /
462 libsysevent /
463 libtecla /
464 libtnf /
465 libtnfctl /
466 libtnfprobe /
467 libtsnet /
468 libtsol /
469 libvrrpadm /
470 libvolmgt /
471 libumem /
472 libunistat /
473 libuutil /
474 libwanboot /
475 libwanbootutil /
476 libwrap /
477 libxcurses2 /
478 libzfs /
479 libzfs_core /
480 libzfs_jni /
481 libzoneinfo /
482 libzonestat /
483 hal /
484 policykit /
485 lvm /
486 pkcs11 /
487 passwdutil /
488 ../cmd/sendmail/libmilter \
489 fm /
490 udapl /
491 libmapid /
492 libkrb5 /
493 libsmbfs /
494 libshare /
495 libidmap /
496 libvscan /
497 libgrubmgmt /
498 smbsrv /
499 libilb /
500 scsi /
501 hbaapi /
502 smhba /
503 libima /
504 libsun_ima /
505 mpapi /
506 librepase /
507 $(MACH)_HDRSUBDIRS)

509 i386_HDRSUBDIRS= /
510 libfdisk /
511 libsaveargs /

513 sparc_HDRSUBDIRS= /
514 libds /
515 libdscp /
516 libpri /
517 libvl2n /
518 storage

520 all := TARGET= all
521 check := TARGET= check
522 clean := TARGET= clean
523 clobber := TARGET= clobber

```

8

```

524 install :=      TARGET= install
525 install_h :=    TARGET= install_h
526 lint :=        TARGET= lint
527 _dc :=          TARGET= _dc
528 _msg :=          TARGET= _msg

530 .KEEP_STATE:

532 #
533 # For the all and install targets, we clearly must respect library
534 # dependencies so that the libraries link correctly. However, for
535 # the remaining targets (check, clean, clobber, install_h, lint, _dc
536 # and _msg), libraries do not have any dependencies on one another
537 # and thus respecting dependencies just slows down the build.
538 # As such, for these rules, we use pattern replacement to explicitly
539 # avoid triggering the dependency information. Note that for clean,
540 # clobber and lint, we must use $(NOWAIT_SUBDIRS) rather than
541 # $(SUBDIRS), to prevent '.WAIT' from expanding to '.WAIT-nodepend'.
542 #

544 all:              $(SUBDIRS)

546 install:           $(SUBDIRS) .WAIT install_extra

548 # extra libraries kept in other source areas
549 install_extra:
550     @cd ../cmd/sgs; pwd; $(MAKE) install_lib
551     @pwd

553 clean clobber lint: $(NOWAIT_SUBDIRS:%=%-nodepend)

555 install_h check:   $(HDRSUBDIRS:%=%-nodepend)

557 _msg:               $(MSGSUBDIRS:%=%-nodepend) .WAIT _dc

559 _dc:                $(DCSUBDIRS:%=%-nodepend)

561 #
562 # Library interdependencies are called out explicitly here
563 #
564 auditd_plugins: libbsm libnsl libsecdb
565 krb5:              gss_mechs/mech_krb5
566 gss_mechs/mech_krb5: libgss libnsl libsocket libresolv pkcs11
567 gss_mechs/mech_spnego: gss_mechs/mech_krb5
568 libadt_jni:         libbsm
569 libast:             libsocket libm
570 libadutils:         libldap5 libresolv libsocket libnsl
571 nsswitch:           libadutils libidmap
572 libbe:              libzfs
573 libbsm:             libtsol
574 libcmd:             libsum libast libsocket libnsl
575 libcmdutils:        libavl libnvpair
576 libcmdutils:        libavl
577 libcontract:        libnvpair
578 libpcp:             libdevinfo
579 libdevinfo:         libdevinfo
580 libdhcpgent:        libsocket libdhcputil libuuid libdpl libcontract
581 libdhcputil:        libnsl libgen libinetutil libdpl
582 libdladm:           libdevinfo libinetutil libsocket libscf librcm libnvpair \
583                     libxacct libnsl libkstat libcurses
584 libdevice:          libnvpair
585 libdll:             libast
586 libdpl:             libinetutil libdladm
587 libds:              libsysevent
588 libdscfg:           libnsctl libunistat libsocket libnsl

```

```

589 libdtrace:         libproc libgen libctf libmapmalloc
589 libdtrace:         libproc libgen libctf
590 libdtrace_jni:     libuutil libdtrace
591 libefi:             libuuid
592 libfcoe:           libdladm
593 libfstyp:          libnvpair
594 libelfsign:        libcryptoutil libkmf
595 libidmap:          libadutils libldap5 libavl libsldap libuutil
596 libipadm:          libnsl libinetutil libsocket libdpl libnvpair libdhcpgent \
597                     libdladm libsecdb
598 libiscsit:         libc libnvpair libstmf libuuid libnsl
599 libkmf:            libcryptoutil pkcs11
600 libm:              libc
601 libml:             libc libm
602 libmvec:           libc libm
603 libnsl:            libmd5
604 libmapid:          libresolv
605 libnisdb:          libnsl libldap5
606 librcm:            libnvpair
607 librdc:            libsocket libnsl libnsctl libunistat libdscfg
608 libuutil:          libdpl
609 libinetutil:       libsocket
610 libipseutil:       libtecla libsocket
611 libinstzones:      libzonecfg libcontract
612 libpkg:            libwanboot libscf libadm
613 libnwm:            libscf libbsm libdladm
614 libnwam:           libscf
615 libsecdb:          libnsl
616 libssl:            libgss libsocket pkcs11 libmd
617 libstcp:           pkcs11 libgss libsocket libssl
618 libshell:          libast libcmd libdpl libsocket libsecdb libm
619 libslip:           libmd5
620 libsmbsfs:         libcmdutils libsocket libnsl libkrb5 libsec libidmap
621 libsmbsfs:         libcmdutils libsocket libnsl libkrb5
622 libsocket:         libnsl
623 libstmfproxy:      libstmf libsocket libnsl libpthread
624 libsum:            libast
625 libsysevent:       libsecdb libnvpair
626 libtecla:          libsecdb
627 libldap5:          libssl libsocket libnsl libmd
628 libldap:           libldap5 libtsol libnsl libc libscf libresolv
629 libpool:           libnvpair libxacct
630 libpp:             libast
631 libzonecfg:        libc libsocket libnsl libuuid libnvpair libsysevent libsec \
632                     libbrand libpool libscf
633 libproc:           ../cmd/sgs/librtld_db ../cmd/sgs/libelf libctf libsaveargs
634 libproject:        libpool libproc libsecdb
635 libtermcap:        libcurses
636 libtsnet:          libnsl libtsol libsecdb
637 libwrap:           libnsl libsocket
638 libwanboot:        libnvpair libresolv libnsl libsocket libdevinfo libinetutil \
639                     libdhcputil
640 libwanbootutil:    libnsl
641 pam_modules:       libproject passwdutil smbsrv libtsnet
642 libscf:            libuutil libmd libgen libsmbios libnsl libnvpair
643 libproject:        libproject passwdutil smbsrv
644 libscf:            libuutil libmd libgen libsmbios libnsl
645 libinetd:          libscf
646 librestart:        libuutil libscf
647 libsaveargs:       libdisasm
648 ../cmd/sgs/libdl:  ../cmd/sgs/libconv
649 ../cmd/sgs/libelf: ../cmd/sgs/libconv
650 passwdutil:        libldap
651 pkcs11:            libcryptoutil libmd

```

```

648 # Adding libuuid or libdladm results in a circular dependancy
649 pkcs11: libcryptoutil
650 print: libldap5
651 udapl/udapl_tavor: udapl/libdat
652 libzfs: libdevd libgen libnvpair libuutil \
653 libadm libavl libefi libidmap libmd libzfs_core libm
654 libzfs_core: libnvpair
655 libzfs_jni: libdiskmgt libnvpair libzfs
656 libzpool: libavl libumem libnvpair libcmdutils
657 libsec: libavl libidmap
658 brand: libc libsocket
659 libshare: libscf libzfs libuuid libfsmgt libsecdb libumem libsmbfs
660 libxacct/demo: libxacct libproject libsocket libnsl
661 libtsalarm: libpcp
662 smbsrv: libsocket libnsl libmd libxnet libpthread librt \
663 libshare libidmap pkcs11 libsqlite libcryptoutil \
664 librepase libcmdutils libfakekernel
665 libv12n: libds libuuid
666 libvrrpadm: libsocket libdladm libscf
667 libvscan: libscf
668 libfru: libfruutils
669 scsi: libnvpair libfru
670 mpapi: libpthread libdevinfo libsysevent libnvpair
671 sun_fc: libdevinfo libsysevent libnvpair
672 libsun_ima: libdevinfo libsysevent libnsl
673 sun_sas: libdevinfo libsysevent libnvpair libkstat libdevd
674 libgrubmgt: libdevinfo libzfs libfstyp
675 pylibbe: libbe libzfs
676 pyzfs: libnvpair libzfs
677 pysolaris: libsec libidmap
678 librepase: libnvpair
679 libhotplug: libnvpair
680 cfgadm_plugins: libhotplug
681 libilb: libsocket
682 libipmi: libm
683 libprtdiag: libm
684 libsqlite: libm
685 libstmf: libm
686 libvscan: libm

```

```

688 $(INTEL_BUILD)libdiskmgt:libfdisk

```

```

690 #
691 # The reason this rule checks for the existence of the
692 # Makefile is that some of the directories do not exist
693 # in certain situations (e.g., exportable source builds,
694 # OpenSolaris).
695 #

```

```

696 $(SUBDIRS): FRC
697     @if [ -f $@/Makefile ]; then \
698         cd $@; pwd; $(MAKE) $(TARGET); \
699     else \
700         true; \
701     fi

```

```

703 $(SUBDIRS:%=%-nodepend):
704     @if [ -f $@:%-nodepend=)/Makefile ]; then \
705         cd $@:%-nodepend=); pwd; $(MAKE) $(TARGET); \
706     else \
707         true; \
708     fi

```

```

710 FRC:

```

new/usr/src/lib/libcurses/screen/keyname.sh

1

2541 Mon Aug 31 16:17:21 2015

new/usr/src/lib/libcurses/screen/keyname.sh

6117 Many small bugs prevent a clean build on SPARC

```
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 2015 Gary Mills
24 # Copyright 1997 Sun Microsystems, Inc. All rights reserved.
25 # Use is subject to license terms.
26 #
27 #
28 #
29 # Copyright (c) 1988 AT&T
30 # All Rights Reserved
31 #
32 #
33 #
34 # University Copyright- Copyright (c) 1982, 1986, 1988
35 # The Regents of the University of California
36 # All Rights Reserved
37 #
38 # University Acknowledgment- Portions of this document are derived from
39 # software developed by the University of California, Berkeley, and its
40 # contributors.
41 #
42 #
43 #ident "%Z%M% %I% %E% SMI"
44 rm -f keyname.c
45 /usr/bin/print "#include \"curses_inc.h\"\\n" > keyname.c
46 /usr/bin/print "static char *keystrings[] =\\n\\t\\t{ \" >> keyname.c
47 /usr/bin/echo "#include \"curses_inc.h\"\\n" > keyname.c
48 /usr/bin/echo "static char *keystrings[] =\\n\\t\\t{ \" >> keyname.c
49 {
50     grep -v 'KEY_F(' keycaps | awk '{ print $5, $4 }' | sed -e 's/,//g' -e 's/KE
51     # These three aren't in keycaps
52     echo '0401 BREAK\\n0530 SRESET\\n0531 RESET'
53 } | sort -n | awk '
54     unchanged_portion_omitted
```

new/usr/src/lib/libcurses/screen/maketerm.ed

1

12762 Mon Aug 31 16:17:21 2015

new/usr/src/lib/libcurses/screen/maketerm.ed

6117 Many small bugs prevent a clean build on SPARC

_____unchanged_portion_omitted_____

```
286 struct str4 {
287     charptr
288 .
289 1,$s/_Sentinel/Sentinel/
290 w ./tmp/term.h.new
291 e ./tmp/term.h.new
292 g/[      .]_cursor/_s/_cursor/_crsr_/
293 g/[      .]_delete/_s/_delete/_dlt_/
294 g/[      .]_enter/_s/_enter/_entr_/
295 g/[      .]_insert/_s/_insert/_ins_/
296 g/[      .]_key/_s/_key/_ky_/
297 g/[      .]_keypad/_s/_keypad/_kpad_/
298 g/[      .]_label/_s/_label/_labl_/
299 g/[      .]_memory/_s/_memory/_mem_/
300 g/[      .]_parm/_s/_parm/_prm_/
301 g/[      .]_scroll/_s/_scroll/_scrll_/
302 g/^      _.....[,;]          \\/s/,  /,/
303 g/^      _.....[,;]          \\/s/,  /,/
304 g/^      _.....[,;]          \\/s/,  /,/
305 w ./tmp/term.h.new
306 e ./tmp/term.h.new
307 !# the following lines GO away when Vr2 compat code goes away
308 1;/^#define      auto_left_margin/,/^#define      xon_xoff/s/CURB.*/CUR _b/
309 1;/^#define      auto_left_margin/,/^#define      xon_xoff/w ./tmp/tmp.term.h
310 1;/^#define      auto_left_margin/,/^#define      xon_xoff/d
311 !/usr/bin/print '{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
311 !/usr/bin/echo '{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
312 .-lr !awk -f ./tmp/tmp.awk < ./tmp/tmp.term.h
313 1;/^#define      columns/,/^#define      width_status_line/s/CURN.*/CUR _c/
314 1;/^#define      columns/,/^#define      width_status_line/w ./tmp/tmp.term.h
315 1;/^#define      columns/,/^#define      width_status_line/d
316 !/usr/bin/print '{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
316 !/usr/bin/echo '{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
317 .-lr !awk -f ./tmp/tmp.awk < ./tmp/tmp.term.h
318 1;/^#define      back_tab/,/^#define      lab_f8/s/CURS.*/CUR _Vr2_Astrs._s/
319 1;/^#define      back_tab/,/^#define      lab_f8/w ./tmp/tmp.term.h
320 1;/^#define      back_tab/,/^#define      lab_f8/d
321 !/usr/bin/print '{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
321 !/usr/bin/echo '{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
322 .-lr !awk -f ./tmp/tmp.awk < ./tmp/tmp.term.h
323 1;/^#define      lab_f9/,/^#define      prtr_non/s/CURS.*/CUR _Vr2_Bstrs._s/
324 1;/^#define      lab_f9/,/^#define      prtr_non/w ./tmp/tmp.term.h
325 1;/^#define      lab_f9/,/^#define      prtr_non/d
326 !/usr/bin/print 'BEGIN{i=100}\\n{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
326 !/usr/bin/echo 'BEGIN{i=100}\\n{printf "%s%d\\n", $0,++i}' > ./tmp/tmp.awk
327 .-lr !awk -f ./tmp/tmp.awk < ./tmp/tmp.term.h
328 !rm -f ./tmp/tmp.term.h ./tmp/tmp.awk
329 w ./tmp/term.h.new
330 e ./tmp/term.h.new
331 !# Vr2 compat code ends here
332 1i
333 #ifndef _TERM_H
334 #define _TERM_H
336 /*
337  * term.h - this file is automatically made from caps and maketerm.ed.
338  * Don't make changes directly to term.h.
339  */
```

new/usr/src/lib/libcurses/screen/maketerm.ed

2

```
341 #ifdef __cplusplus
342 extern "C" {
343 #endif
345 .
346 $a
348 struct _str_struct {
349     struct str4 str4;
350     struct str2 str2;
351     struct str3 str3;
352     struct str4 str4;
353 };
_____unchanged_portion_omitted_____
```

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

1

27398 Mon Aug 31 16:17:21 2015

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

6117 Many small bugs prevent a clean build on SPARC

```
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 #
```

```
26 #
27 # Copyright (c) 2012 by Delphix. All rights reserved.
28 # Copyright 2015 Gary Mills
29 #
```

```
31 set name=pkg.fmri value=pkg:/developer/dtrace@$(PKGVERS)
32 set name=pkg.description value="Dynamic Tracing (DTrace) Clients"
33 set name=pkg.summary value="DTrace Clients"
34 set name=info.classification \
35     value=org.opensolaris.category.2008:Development/System
36 set name=variant.arch value=$(ARCH)
37 dir path=usr group=sys
38 dir path=usr/demo
39 dir path=usr/demo/dtrace
40 dir path=usr/include
41 dir path=usr/include/sys
42 dir path=usr/lib
43 dir path=usr/lib/$(ARCH64)
44 dir path=usr/lib/devfsadm group=sys
45 dir path=usr/lib/devfsadm/linkmod group=sys
46 dir path=usr/lib/dtrace
47 dir path=usr/lib/dtrace/64
48 dir path=usr/lib/mdb group=sys
49 dir path=usr/lib/mdb/kvm group=sys
50 dir path=usr/lib/mdb/kvm/$(ARCH64) group=sys
51 dir path=usr/lib/mdb/raw group=sys
52 dir path=usr/lib/mdb/raw/$(ARCH64) group=sys
53 dir path=usr/sbin
54 dir path=usr/sbin/$(ARCH32)
55 dir path=usr/sbin/$(ARCH64)
56 dir path=usr/share
57 dir path=usr/share/lib
58 dir path=usr/share/lib/java group=sys
59 dir path=usr/share/lib/java/javadoc group=other
60 dir path=usr/share/lib/java/javadoc/dtrace group=other
61 dir path=usr/share/lib/java/javadoc/dtrace/api group=other
```

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

2

```
62 dir path=usr/share/lib/java/javadoc/dtrace/api/org group=other
63 dir path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris group=other
64 dir path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os group=other
65 dir path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace \
66     group=other
67 dir \
68     path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
69     group=other
70 dir path=usr/share/lib/java/javadoc/dtrace/api/resources group=other
71 dir path=usr/share/lib/java/javadoc/dtrace/examples group=other
72 dir path=usr/share/lib/java/javadoc/dtrace/html group=other
73 dir path=usr/share/lib/java/javadoc/dtrace/images group=other
74 dir path=usr/share/man/man1m
75 dir path=usr/share/man/man3lib
76 file path=usr/demo/dtrace/applicat.d
77 file path=usr/demo/dtrace/badopen.d
78 file path=usr/demo/dtrace/begin.d
79 file path=usr/demo/dtrace/callout.d
80 file path=usr/demo/dtrace/clause.d
81 file path=usr/demo/dtrace/clear.d
82 file path=usr/demo/dtrace/countdown.d
83 file path=usr/demo/dtrace/counter.d
84 file path=usr/demo/dtrace/dateprof.d
85 file path=usr/demo/dtrace/delay.d
86 file path=usr/demo/dtrace/denorm.d
87 file path=usr/demo/dtrace/end.d
88 file path=usr/demo/dtrace/error.d
89 file path=usr/demo/dtrace/errorpath.d
90 file path=usr/demo/dtrace/find.d
91 file path=usr/demo/dtrace/firebird.d
92 file path=usr/demo/dtrace/hello.d
93 file path=usr/demo/dtrace/howlong.d
94 file path=usr/demo/dtrace/index.html
95 file path=usr/demo/dtrace/interp.d
96 file path=usr/demo/dtrace/interval.d
97 file path=usr/demo/dtrace/intr.d
98 file path=usr/demo/dtrace/iocpu.d
99 file path=usr/demo/dtrace/iosnoop.d
100 file path=usr/demo/dtrace/iotrough.d
101 file path=usr/demo/dtrace/iotime.d
102 file path=usr/demo/dtrace/ipio.d
103 file path=usr/demo/dtrace/ipproto.d
104 file path=usr/demo/dtrace/iprb.d
105 file path=usr/demo/dtrace/kstat.d
106 file path=usr/demo/dtrace/ksyms.d
107 file path=usr/demo/dtrace/libc.d
108 file path=usr/demo/dtrace/lquantize.d
109 file path=usr/demo/dtrace/lwptime.d
110 file path=usr/demo/dtrace/normalize.d
111 file path=usr/demo/dtrace/nscd.d
112 file path=usr/demo/dtrace/pri.d
113 file path=usr/demo/dtrace/printa.d
114 file path=usr/demo/dtrace/pritime.d
115 file path=usr/demo/dtrace/prof.d
116 file path=usr/demo/dtrace/profpri.d
117 file path=usr/demo/dtrace/proftime.d
118 file path=usr/demo/dtrace/putnext.d
119 file path=usr/demo/dtrace/qlen.d
120 file path=usr/demo/dtrace/qtime.d
121 file path=usr/demo/dtrace/renormalize.d
122 file path=usr/demo/dtrace/restest.d
123 file path=usr/demo/dtrace/ring.d
124 file path=usr/demo/dtrace/rtime.d
125 file path=usr/demo/dtrace/rwinfo.d
126 file path=usr/demo/dtrace/rwtime.d
127 file path=usr/demo/dtrace/sig.d
```

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128 file path=usr/demo/dtrace/soffice.d
129 file path=usr/demo/dtrace/spec.d
130 file path=usr/demo/dtrace/specopen.d
131 file path=usr/demo/dtrace/ssd.d
132 file path=usr/demo/dtrace/syscall.d
133 file path=usr/demo/dtrace/tcplstbyte.d
134 file path=usr/demo/dtrace/tcpbytes.d
135 file path=usr/demo/dtrace/tcpbytesstat.d
136 file path=usr/demo/dtrace/tcpconnlat.d
137 file path=usr/demo/dtrace/tcpio.d
138 file path=usr/demo/dtrace/tcpioflags.d
139 file path=usr/demo/dtrace/tcprst.d
140 file path=usr/demo/dtrace/tcpsnoop.d
141 file path=usr/demo/dtrace/tcpstate.d
142 file path=usr/demo/dtrace/tcptop.d
143 file path=usr/demo/dtrace/tick.d
144 file path=usr/demo/dtrace/ticktime.d
145 file path=usr/demo/dtrace/time.d
146 file path=usr/demo/dtrace/tracewrite.d
147 file path=usr/demo/dtrace/trunc.d
148 file path=usr/demo/dtrace/trussrw.d
149 file path=usr/demo/dtrace/udpbytes.d
150 file path=usr/demo/dtrace/udpbytesstat.d
151 file path=usr/demo/dtrace/udpio.d
152 file path=usr/demo/dtrace/udpsnoop.d
153 file path=usr/demo/dtrace/udptop.d
154 file path=usr/demo/dtrace/userfunc.d
155 file path=usr/demo/dtrace/whatfor.d
156 file path=usr/demo/dtrace/whatlock.d
157 file path=usr/demo/dtrace/where.d
158 file path=usr/demo/dtrace/whererun.d
159 file path=usr/demo/dtrace/whoexec.d
160 file path=usr/demo/dtrace/whofor.d
161 file path=usr/demo/dtrace/whoio.d
162 file path=usr/demo/dtrace/whopreempt.d
163 file path=usr/demo/dtrace/whoqueue.d
164 file path=usr/demo/dtrace/whosteal.d
165 file path=usr/demo/dtrace/whowrite.d
166 file path=usr/demo/dtrace/writes.d
167 file path=usr/demo/dtrace/writesbycmd.d
168 file path=usr/demo/dtrace/writesbycmdfd.d
169 file path=usr/demo/dtrace/writetime.d
170 file path=usr/demo/dtrace/writetimeq.d
171 file path=usr/demo/dtrace/xioctl.d
172 file path=usr/demo/dtrace/xterm.d
173 file path=usr/demo/dtrace/xwork.d
174 file path=usr/include/dtrace.h
175 file path=usr/include/sys/dtrace.h
176 file path=usr/include/sys/dtrace_impl.h
177 file path=usr/include/sys/fasttrap.h
178 file path=usr/include/sys/fasttrap_impl.h
179 file path=usr/include/sys/fasttrap_isa.h
180 file path=usr/include/sys/lockstat.h
181 file path=usr/include/sys/sdt.h
182 file path=usr/lib/$(ARCH64)/libdtrace.so.1
183 file path=usr/lib/$(ARCH64)/libdtrace_jni.so.1
184 file path=usr/lib/$(ARCH64)/llib-ldtrace.ln
185 file path=usr/lib/devfsadm/linkmod/SUNW_dtrace_link.so group=sys
186 file path=usr/lib/dtrace/64/drti.o mode=0444
187 file path=usr/lib/dtrace/64/libdtrace_forceload.so mode=0555
188 file path=usr/lib/dtrace/drti.o mode=0444
189 file path=usr/lib/dtrace/errno.d mode=0444
190 file path=usr/lib/dtrace/fc.d mode=0444
191 file path=usr/lib/dtrace/io.d mode=0444
192 file path=usr/lib/dtrace/ip.d mode=0444
193 file path=usr/lib/dtrace/iscsit.d mode=0444

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194 file path=usr/lib/dtrace/libdtrace_forceload.so mode=0555
195 file path=usr/lib/dtrace/net.d mode=0444
196 file path=usr/lib/dtrace/nfs.d mode=0444
197 file path=usr/lib/dtrace/nfssrv.d mode=0444
198 file path=usr/lib/dtrace/procfs.d mode=0444
199 file path=usr/lib/dtrace/regs.d mode=0444
200 file path=usr/lib/dtrace/sched.d mode=0444
201 file path=usr/lib/dtrace/scsi.d mode=0444
202 file path=usr/lib/dtrace/signal.d mode=0444
203 file path=usr/lib/dtrace/srp.d mode=0444
204 file path=usr/lib/dtrace/sysevent.d mode=0444
205 file path=usr/lib/dtrace/tcp.d mode=0444
206 file path=usr/lib/dtrace/udp.d mode=0444
207 file path=usr/lib/dtrace/unistd.d mode=0444
208 file path=usr/lib/libdtrace.so.1
209 file path=usr/lib/libdtrace_jni.so.1
210 file path=usr/lib/llib-ldtrace
211 file path=usr/lib/llib-ldtrace.ln
212 file path=usr/lib/mdb/kvm/$(ARCH64)/dtrace.so group=sys mode=0555
213 $(i386_ONLY)file path=usr/lib/mdb/kvm/dtrace.so group=sys mode=0555
214 file path=usr/lib/mdb/raw/$(ARCH64)/dof.so group=sys mode=0555
215 file path=usr/lib/mdb/raw/dof.so group=sys mode=0555
216 file path=usr/sbin/$(ARCH32)/dtrace mode=0555
217 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/intrstat mode=0555
218 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/lockstat mode=0555
219 $(i386_ONLY)file path=usr/sbin/$(ARCH32)/plockstat mode=0555
220 file path=usr/sbin/$(ARCH64)/dtrace mode=0555
221 file path=usr/sbin/$(ARCH64)/intrstat mode=0555
222 file path=usr/sbin/$(ARCH64)/lockstat mode=0555
223 file path=usr/sbin/$(ARCH64)/plockstat mode=0555
224 file path=usr/share/lib/java/dtrace.jar group=sys
225 file path=usr/share/lib/java/javadoc/dtrace/api/allclasses-frame.html \
226   group=other
227 file path=usr/share/lib/java/javadoc/dtrace/api/allclasses-noframe.html \
228   group=other
229 file path=usr/share/lib/java/javadoc/dtrace/api/constant-values.html \
230   group=other
231 file path=usr/share/lib/java/javadoc/dtrace/api/deprecated-list.html \
232   group=other
233 file path=usr/share/lib/java/javadoc/dtrace/api/help-doc.html group=other
234 file path=usr/share/lib/java/javadoc/dtrace/api/index-all.html group=other
235 file path=usr/share/lib/java/javadoc/dtrace/api/index.html group=other
236 file \
237   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
238   group=other
239 file \
240   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
241   group=other
242 file \
243   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
244   group=other
245 file \
246   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Aggrega
247   group=other
248 file \
249   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/AvgValu
250   group=other
251 file \
252   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
253   group=other
254 file \
255   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
256   group=other
257 file \
258   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
259   group=other

```



```
260 file \
261   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
262   group=other
263 file \
264   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
265   group=other
266 file \
267   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Consume
268   group=other
269 file \
270   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/CountVa
271   group=other
272 file \
273   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/DTraceE
274   group=other
275 file \
276   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/DataEve
277   group=other
278 file \
279   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Distrib
280   group=other
281 file \
282   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Distrib
283   group=other
284 file \
285   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Drop.Ki
286   group=other
287 file \
288   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Drop.ht
289   group=other
290 file \
291   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/DropEve
292   group=other
293 file \
294   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Error.h
295   group=other
296 file \
297   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ErrorEv
298   group=other
299 file \
300   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Excepti
301   group=other
302 file \
303   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ExitRec
304   group=other
305 file \
306   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Flow.Ki
307   group=other
308 file \
309   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Flow.ht
310   group=other
311 file \
312   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
313   group=other
314 file \
315   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
316   group=other
317 file \
318   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Interfa
319   group=other
320 file \
321   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/KernelS
322   group=other
323 file \
324   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/KernelS
325   group=other
```

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326 file \
327   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LinearD
328   group=other
329 file \
330   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LocalCo
331   group=other
332 file \
333   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LogDist
334   group=other
335 file \
336   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/LogLine
337   group=other
338 file \
339   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/MaxValu
340   group=other
341 file \
342   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/MinValu
343   group=other
344 file \
345   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Option.
346   group=other
347 file \
348   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/PrintaR
349   group=other
350 file \
351   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/PrintfR
352   group=other
353 file \
354   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Probe.h
355   group=other
356 file \
357   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDa
358   group=other
359 file \
360   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDa
361   group=other
362 file \
363   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDe
364   group=other
365 file \
366   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeDe
367   group=other
368 file \
369   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ProbeIn
370   group=other
371 file \
372   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Process
373   group=other
374 file \
375   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Process
376   group=other
377 file \
378   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Process
379   group=other
380 file \
381   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
382   group=other
383 file \
384   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
385   group=other
386 file \
387   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Program
388   group=other
389 file \
390   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Record.
391   group=other
```

```
392 file \
393   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ScalarR
394   group=other
395 file \
396   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StackFr
397   group=other
398 file \
399   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StackVa
400   group=other
401 file \
402   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/StddevV
403   group=other
404 file \
405   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/SumValu
406   group=other
407 file \
408   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/SymbolV
409   group=other
410 file \
411   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/Tuple.h
412   group=other
413 file \
414   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/UserSta
415   group=other
416 file \
417   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/UserSym
418   group=other
419 file \
420   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/UserSym
421   group=other
422 file \
423   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/ValueRe
424   group=other
425 file \
426   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
427   group=other
428 file \
429   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
430   group=other
431 file \
432   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
433   group=other
434 file \
435   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
436   group=other
437 file \
438   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
439   group=other
440 file \
441   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
442   group=other
443 file \
444   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
445   group=other
446 file \
447   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
448   group=other
449 file \
450   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
451   group=other
452 file \
453   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
454   group=other
455 file \
456   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
457   group=other
```

```
458 file \
459   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
460   group=other
461 file \
462   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
463   group=other
464 file \
465   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
466   group=other
467 file \
468   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
469   group=other
470 file \
471   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
472   group=other
473 file \
474   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
475   group=other
476 file \
477   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
478   group=other
479 file \
480   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
481   group=other
482 file \
483   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
484   group=other
485 file \
486   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
487   group=other
488 file \
489   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
490   group=other
491 file \
492   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
493   group=other
494 file \
495   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
496   group=other
497 file \
498   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
499   group=other
500 file \
501   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
502   group=other
503 file \
504   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
505   group=other
506 file \
507   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
508   group=other
509 file \
510   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
511   group=other
512 file \
513   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
514   group=other
515 file \
516   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
517   group=other
518 file \
519   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
520   group=other
521 file \
522   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
523   group=other
```

```
524 file \
525   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
526   group=other
527 file \
528   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
529   group=other
530 file \
531   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
532   group=other
533 file \
534   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
535   group=other
536 file \
537   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
538   group=other
539 file \
540   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
541   group=other
542 file \
543   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
544   group=other
545 file \
546   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
547   group=other
548 file \
549   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
550   group=other
551 file \
552   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
553   group=other
554 file \
555   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
556   group=other
557 file \
558   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
559   group=other
560 file \
561   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
562   group=other
563 file \
564   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
565   group=other
566 file \
567   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
568   group=other
569 file \
570   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
571   group=other
572 file \
573   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
574   group=other
575 file \
576   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
577   group=other
578 file \
579   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
580   group=other
581 file \
582   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
583   group=other
584 file \
585   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
586   group=other
587 file \
588   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
589   group=other
```

```
590 file \
591   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
592   group=other
593 file \
594   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
595   group=other
596 file \
597   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
598   group=other
599 file \
600   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
601   group=other
602 file \
603   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
604   group=other
605 file \
606   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
607   group=other
608 file \
609   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
610   group=other
611 file \
612   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/class-u
613   group=other
614 file \
615   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
616   group=other
617 file \
618   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
619   group=other
620 file \
621   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
622   group=other
623 file \
624   path=usr/share/lib/java/javadoc/dtrace/api/org/opensolaris/os/dtrace/package
625   group=other
626 file path=usr/share/lib/java/javadoc/dtrace/api/overview-tree.html group=other
627 file path=usr/share/lib/java/javadoc/dtrace/api/package-list group=other
628 $(i386_ONLY)file \
629   path=usr/share/lib/java/javadoc/dtrace/api/resources/background.gif \
627 file path=usr/share/lib/java/javadoc/dtrace/api/resources/background.gif \
630   group=other
631 $(i386_ONLY)file path=usr/share/lib/java/javadoc/dtrace/api/resources/tab.gif \
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 \
632   group=other
633 $(i386_ONLY)file \
634   path=usr/share/lib/java/javadoc/dtrace/api/resources/titlebar.gif \
632 file path=usr/share/lib/java/javadoc/dtrace/api/resources/titlebar_end.gif \
635   group=other
636 $(i386_ONLY)file \
637   path=usr/share/lib/java/javadoc/dtrace/api/resources/titlebar_end.gif \
638   group=other
639 file path=usr/share/lib/java/javadoc/dtrace/api/serialized-form.html \
640   group=other
641 file path=usr/share/lib/java/javadoc/dtrace/api/stylesheet.css group=other
642 file path=usr/share/lib/java/javadoc/dtrace/examples/TestAPI.java group=other
643 file path=usr/share/lib/java/javadoc/dtrace/examples/TestAPI2.java group=other
644 file path=usr/share/lib/java/javadoc/dtrace/examples/TestTarget.java \
645   group=other
646 file path=usr/share/lib/java/javadoc/dtrace/examples/hello.d group=other
647 file path=usr/share/lib/java/javadoc/dtrace/examples/intrstat.d group=other
648 file path=usr/share/lib/java/javadoc/dtrace/examples/syscall.d group=other
649 file path=usr/share/lib/java/javadoc/dtrace/examples/target.d group=other
650 file path=usr/share/lib/java/javadoc/dtrace/html/JavaTraceAPI.html \
651   group=other
```

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

11

```
652 file path=usr/share/lib/java/javadoc/dtrace/html/fast.html group=other
653 file path=usr/share/lib/java/javadoc/dtrace/images/JavaDTraceAPI.gif \
654     group=other
655 file path=usr/share/man/man1m/dtrace.1m
656 file path=usr/share/man/man1m/intrstat.1m
657 file path=usr/share/man/man1m/lockstat.1m
658 file path=usr/share/man/man1m/plockstat.1m
659 file path=usr/share/man/man3lib/libdtrace.3lib
660 hardlink path=usr/sbin/dtrace target=../../usr/lib/isaexec
661 hardlink path=usr/sbin/intrstat target=../../usr/lib/isaexec
662 hardlink path=usr/sbin/lockstat target=../../usr/lib/isaexec
663 hardlink path=usr/sbin/plockstat target=../../usr/lib/isaexec
664 legacy pkg=SUNWdtrc desc="Dynamic Tracing (DTrace) Clients" \
665     name="DTrace Clients"
666 license cr_Sun license=cr_Sun
667 license lic_CDDL license=lic_CDDL
668 link path=usr/lib/${ARCH64}/libdtrace.so target=libdtrace.so.1
669 link path=usr/lib/${ARCH64}/libdtrace_jni.so target=libdtrace_jni.so.1
670 link path=usr/lib/libdtrace.so target=libdtrace.so.1
671 link path=usr/lib/libdtrace_jni.so target=libdtrace_jni.so.1
```

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

1

9165 Mon Aug 31 16:17:22 2015

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

6117 Many small bugs prevent a clean build on SPARC

```
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
25 # Copyright 2015 Gary Mills
26 #
27 #
28 set name=pkg.fmri value=pkg:/service/network/dns/mdns@$(PKGVERS)
29 set name=pkg.description \
30 value="Root components for Multicast DNS daemon and service discovery suppor
31 set name=pkg.summary value="Multicast DNS and Service Discovery"
32 set name=info.classification \
33 value=org.opensolaris.category.2008:System/Services
34 set name=variant.arch value=$(ARCH)
35 dir path=lib
36 dir path=lib/svc
37 dir path=lib/svc/manifest group=sys
38 dir path=lib/svc/manifest/network group=sys
39 dir path=lib/svc/manifest/network/dns group=sys
40 dir path=usr group=sys
41 dir path=usr/bin
42 dir path=usr/include
43 dir path=usr/lib
44 dir path=usr/lib/$(ARCH64)
45 dir path=usr/lib/inet
46 dir path=usr/share
47 dir path=usr/share/lib
48 dir path=usr/share/lib/java group=sys
49 dir path=usr/share/lib/java/javadoc group=other
50 dir path=usr/share/lib/java/javadoc/dnssd group=other
51 dir path=usr/share/lib/java/javadoc/dnssd/api group=other
52 dir path=usr/share/lib/java/javadoc/dnssd/api/com group=other
53 dir path=usr/share/lib/java/javadoc/dnssd/api/com/apple group=other
54 dir path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd group=other
55 dir path=usr/share/lib/java/javadoc/dnssd/api/resources group=other
56 dir path=usr/share/lib/java/javadoc/dnssd/examples group=other
57 dir path=usr/share/man
58 dir path=usr/share/man/man1m
59 dir path=usr/share/man/man3dns_sd
60 dir path=usr/share/man/man3lib
61 file path=lib/svc/manifest/network/dns/multicast.xml group=sys mode=0444
```

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

2

```
62 file path=usr/bin/dns-sd mode=0555
63 file path=usr/include/dns_sd.h
64 file path=usr/lib/$(ARCH64)/libdns_sd.so.1
65 file path=usr/lib/$(ARCH64)/libjdns_sd.so.1
66 file path=usr/lib/$(ARCH64)/llib-ldns_sd.ln
67 file path=usr/lib/$(ARCH64)/nss_mdns.so.1
68 file path=usr/lib/inet/mdnsd mode=0555
69 file path=usr/lib/libdns_sd.so.1
70 file path=usr/lib/libjdns_sd.so.1
71 file path=usr/lib/llib-ldns_sd
72 file path=usr/lib/llib-ldns_sd.ln
73 file path=usr/lib/nss_mdns.so.1
74 file path=usr/share/lib/java/dnssd.jar group=sys
75 file path=usr/share/lib/java/javadoc/dnssd/api/allclasses-frame.html \
76 group=other
77 file path=usr/share/lib/java/javadoc/dnssd/api/allclasses-noframe.html \
78 group=other
79 file \
80 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/BaseListener.html
81 group=other
82 file \
83 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/BrowseListener.htm
84 group=other
85 file path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSRecord.html \
86 group=other
87 file path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSD.html \
88 group=other
89 file \
90 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDException.htm
91 group=other
92 file \
93 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDRecordRegistr
94 group=other
95 file \
96 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDRegistration.
97 group=other
98 file \
99 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DNSSDService.html
100 group=other
101 file \
102 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/DomainListener.htm
103 group=other
104 file \
105 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/QueryListener.html
106 group=other
107 file \
108 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/RegisterListener.h
109 group=other
110 file \
111 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/RegisterRecordList
112 group=other
113 file \
114 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/ResolveListener.ht
115 group=other
116 file path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/TXTRecord.html \
117 group=other
118 file \
119 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/package-frame.html
120 group=other
121 file \
122 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/package-summary.ht
123 group=other
124 file \
125 path=usr/share/lib/java/javadoc/dnssd/api/com/apple/dnssd/package-tree.html
126 group=other
127 file path=usr/share/lib/java/javadoc/dnssd/api/constant-values.html \
```

```

128     group=other
129 file path=usr/share/lib/java/javadoc/dnssd/api/deprecated-list.html \
130     group=other
131 file path=usr/share/lib/java/javadoc/dnssd/api/help-doc.html group=other
132 file path=usr/share/lib/java/javadoc/dnssd/api/index-all.html group=other
133 file path=usr/share/lib/java/javadoc/dnssd/api/index.html group=other
134 file path=usr/share/lib/java/javadoc/dnssd/api/overview-tree.html group=other
135 file path=usr/share/lib/java/javadoc/dnssd/api/package-list group=other
136 $(i386_ONLY)file \
137     path=usr/share/lib/java/javadoc/dnssd/api/resources/background.gif \
138 file path=usr/share/lib/java/javadoc/dnssd/api/resources/background.gif \
139     group=other
140 $(i386_ONLY)file path=usr/share/lib/java/javadoc/dnssd/api/resources/tab.gif \
141     path=usr/share/lib/java/javadoc/dnssd/api/resources/tab.gif group=other
142 file path=usr/share/lib/java/javadoc/dnssd/api/resources/titlebar.gif \
143     group=other
144 $(i386_ONLY)file \
145     path=usr/share/lib/java/javadoc/dnssd/api/resources/titlebar_end.gif \
146     group=other
147 file path=usr/share/lib/java/javadoc/dnssd/api/serialized-form.html \
148     group=other
149 file path=usr/share/lib/java/javadoc/dnssd/api/stylesheet.css group=other
150 file path=usr/share/lib/java/javadoc/dnssd/examples/BrowserApp.jar group=sys
151 file path=usr/share/lib/java/javadoc/dnssd/examples/SimpleChat.jar group=sys
152 file path=usr/share/man/man1/mdns-sd.1m
153 file path=usr/share/man/man3dns_sd/DNSServiceBrowse.3dns_sd
154 file path=usr/share/man/man3dns_sd/DNSServiceConstructFullName.3dns_sd
155 file path=usr/share/man/man3dns_sd/DNSServiceCreateConnection.3dns_sd
156 file path=usr/share/man/man3dns_sd/DNSServiceEnumerateDomains.3dns_sd
157 file path=usr/share/man/man3dns_sd/DNSServiceProcessResult.3dns_sd
158 file path=usr/share/man/man3dns_sd/DNSServiceQueryRecord.3dns_sd
159 file path=usr/share/man/man3dns_sd/DNSServiceReconfirmRecord.3dns_sd
160 file path=usr/share/man/man3dns_sd/DNSServiceRefDeallocate.3dns_sd
161 file path=usr/share/man/man3dns_sd/DNSServiceRefSockFD.3dns_sd
162 file path=usr/share/man/man3dns_sd/DNSServiceRegister.3dns_sd
163 file path=usr/share/man/man3dns_sd/DNSServiceResolve.3dns_sd
164 file path=usr/share/man/man3dns_sd/TXTRecordCreate.3dns_sd
165 file path=usr/share/man/man3lib/libdns_sd.3lib
166 legacy pkg=SUNWdsdr \
167     desc="Root components for Multicast DNS daemon and service discovery support"
168     name="Multicast DNS and Service Discovery (Root)"
169 legacy pkg=SUNWdsdu desc="Multicast DNS daemon and service discovery modules" \
170     name="Multicast DNS and Service Discovery (Udr)"
171 license cr_Sun license=cr_Sun
172 license lic_CDDL license=lic_CDDL
173 license usr/src/cmd/cmd-inet/usr.lib/mdnsd/THIRDPARTYLICENSE \
174     license=usr/src/cmd/cmd-inet/usr.lib/mdnsd/THIRDPARTYLICENSE
175 license usr/src/lib/libdns_sd/THIRDPARTYLICENSE \
176     license=usr/src/lib/libdns_sd/THIRDPARTYLICENSE
177 link path=usr/lib/$(ARCH64)/libdns_sd.so target=libdns_sd.so.1
178 link path=usr/lib/$(ARCH64)/libjdns_sd.so target=libjdns_sd.so.1
179 link path=usr/lib/libdns_sd.so target=libdns_sd.so.1
180 link path=usr/lib/libjdns_sd.so target=libjdns_sd.so.1
181 link path=usr/share/man/man3dns_sd/DNSServiceAddRecord.3dns_sd \
182     target=DNSServiceCreateConnection.3dns_sd
183 link path=usr/share/man/man3dns_sd/DNSServiceRegisterRecord.3dns_sd \
184     target=DNSServiceCreateConnection.3dns_sd
185 link path=usr/share/man/man3dns_sd/DNSServiceRemoveRecord.3dns_sd \
186     target=DNSServiceCreateConnection.3dns_sd
187 link path=usr/share/man/man3dns_sd/DNSServiceUpdateRecord.3dns_sd \
188     target=DNSServiceCreateConnection.3dns_sd
189 link path=usr/share/man/man3dns_sd/TXTRecordContainsKey.3dns_sd \

```

```

190     target=TXTRecordCreate.3dns_sd
191 link path=usr/share/man/man3dns_sd/TXTRecordDeallocate.3dns_sd \
192     target=TXTRecordCreate.3dns_sd
193 link path=usr/share/man/man3dns_sd/TXTRecordGetBytesPtr.3dns_sd \
194     target=TXTRecordCreate.3dns_sd
195 link path=usr/share/man/man3dns_sd/TXTRecordGetCount.3dns_sd \
196     target=TXTRecordCreate.3dns_sd
197 link path=usr/share/man/man3dns_sd/TXTRecordGetItemAtIndex.3dns_sd \
198     target=TXTRecordCreate.3dns_sd
199 link path=usr/share/man/man3dns_sd/TXTRecordGetLength.3dns_sd \
200     target=TXTRecordCreate.3dns_sd
201 link path=usr/share/man/man3dns_sd/TXTRecordGetValuePtr.3dns_sd \
202     target=TXTRecordCreate.3dns_sd
203 link path=usr/share/man/man3dns_sd/TXTRecordRemoveValue.3dns_sd \
204     target=TXTRecordCreate.3dns_sd
205 link path=usr/share/man/man3dns_sd/TXTRecordSetValue.3dns_sd \
206     target=TXTRecordCreate.3dns_sd

```