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*****
37077 Wed Sep 19 23:19:19 2018
new/usr/src/Makefile.master
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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31 #
32 #
33 #
34 # Makefile.master, global definitions for system source
35 #
36 ROOT=          /proto
37 #
38 #
39 # Adjunct root, containing an additional proto area to be used for headers
40 # and libraries.
41 #
42 ADJUNCT_PROTO=
43 # HAVE_ADJUNCT_PROTO - ADJUNCT_PROTO is set to a non-default value
44 # NO_ADJUNCT_PROTO - ADJUNCT_PROTO is unset
45 #
46 # This works by replacing any value in ADJUNCT_PROTO with POUND_SIGN, which
47 # only happens if it has some value, and then setting HAVE_ADJUNCT_PROTO
48 # oppositely.
49 NO_ADJUNCT_PROTO=$(ADJUNCT_PROTO:%=$(POUND_SIGN))
50 $(NO_ADJUNCT_PROTO)HAVE_ADJUNCT_PROTO=$(POUND_SIGN)
51 #endif /* ! codereview */
52 #
53 #
54 # Adjunct for building things that run on the build machine.
55 #
56 NATIVE_ADJUNCT= /usr
57 #
58 #
59 # RELEASE_BUILD should be cleared for final release builds.
60 # NOT_RELEASE_BUILD is exactly what the name implies.
61 #

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62 # __GNUC toggles the building of ON components using gcc and related tools.
63 # Normally set to '#', set it to '' to do gcc build.
64 #
65 # The declaration POUND_SIGN is always '#'. This is needed to get around the
66 # make feature that '#' is always a comment delimiter, even when escaped or
67 # quoted. We use this macro expansion method to get POUND_SIGN rather than
68 # always breaking out a shell because the general case can cause a noticeable
69 # slowdown in build times when so many Makefiles include Makefile.master.
70 #
71 # While the majority of users are expected to override the setting below
72 # with an env file (via nightly or bldenv), if you aren't building that way
73 # (ie, you're using "ws" or some other bootstrapping method) then you need
74 # this definition in order to avoid the subshell invocation mentioned above.
75 #
76 #
77 PRE_POUND=          pre\#
78 POUND_SIGN=         $(PRE_POUND:pre\%=%)
79 #
80 NOT_RELEASE_BUILD=
81 RELEASE_BUILD=      $(POUND_SIGN)
82 $(RELEASE_BUILD)NOT_RELEASE_BUILD= $(POUND_SIGN)
83 PATCH_BUILD=        $(POUND_SIGN)
84 #
85 # SPARC_BLD is '#' for an Intel build.
86 # INTEL_BLD is '#' for a Sparc build.
87 SPARC_BLD_1=        $(MACH:i386=$(POUND_SIGN))
88 SPARC_BLD=          $(SPARC_BLD_1:sparc=)
89 INTEL_BLD_1=         $(MACH:sparc=$(POUND_SIGN))
90 INTEL_BLD=          $(INTEL_BLD_1:i386=)
91 #
92 # The variables below control the compilers used during the build.
93 # There are a number of permutations.
94 #
95 # __GNUC and __SUNC control (and indicate) the primary compiler. Whichever
96 # one is not POUND_SIGN is the primary, with the other as the shadow. They
97 # may also be used to control entirely compiler-specific Makefile assignments.
98 # __GNUC and GCC are the default.
99 #
100 # __GNUC64 indicates that the 64bit build should use the GNU C compiler.
101 # There is no Sun C analogue.
102 #
103 # The following version-specific options are operative regardless of which
104 # compiler is primary, and control the versions of the given compilers to be
105 # used. They also allow compiler-version specific Makefile fragments.
106 #
107 #
108 __SUNC=              $(POUND_SIGN)
109 $(__SUNC)__GNUC=    $(POUND_SIGN)
110 __GNUC64=           $(__GNUC)
111 #
112 # Allow build-time "configuration" to enable or disable some things.
113 # The default is POUND_SIGN, meaning "not enabled". If the environment
114 # passes in an override like ENABLE_SMB_PRINTING= (empty) that will
115 # uncomment things in the lower Makefiles to enable the feature.
116 ENABLE_SMB_PRINTING= $(POUND_SIGN)
117 #
118 # CLOSED is the root of the tree that contains source which isn't released
119 # as open source
120 CLOSED=              $(SRC)/../closed
121 #
122 # BUILD_TOOLS is the root of all tools including compilers.
123 # ONBLD_TOOLS is the root of all the tools that are part of SUNWonbld.
124 #
125 BUILD_TOOLS=        /ws/onnv-tools
126 ONBLD_TOOLS=        $(BUILD_TOOLS)/onbld

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128 # define runtime JAVA_HOME, primarily for cmd/pools/poold
129 JAVA_HOME= /usr/java
130 # define buildtime JAVA_ROOT
131 JAVA_ROOT= /usr/java
132 # Build uses java7 by default. Pass one the variables below set to empty
133 # string in the environment to override.
134 BLD_JAVA_6= $(POUND_SIGN)
135 BLD_JAVA_8= $(POUND_SIGN)

137 GNUC_ROOT= /opt/gcc/4.4.4
138 GCCLIBDIR= $(GNUC_ROOT)/lib
139 GCCLIBDIR64= $(GNUC_ROOT)/lib/$(MACH64)

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

143 RPCGEN= /usr/bin/rpcgen
144 STABS= $(ONBLD_TOOLS)/bin/$(MACH)/stabs
145 ELFXTRACT= $(ONBLD_TOOLS)/bin/$(MACH)/elfextract
146 MBH_PATCH= $(ONBLD_TOOLS)/bin/$(MACH)/mbh_patch
147 BTXLD= $(ONBLD_TOOLS)/bin/$(MACH)/btxld
148 VTFONTCVT= $(ONBLD_TOOLS)/bin/$(MACH)/vtfontcvt
149 # echo(1) and true(1) are specified without absolute paths, so that the shell
150 # spawned by make(1) may use the built-in versions. This is minimally
151 # problematic, as the shell spawned by make(1) is known and under control, the
152 # only risk being if the shell falls back to $PATH.
153 #
154 # We specifically want an echo(1) that does interpolation of escape sequences,
155 # which ksh93, /bin/sh, and bash will all provide.
156 ECHO= echo
157 TRUE= true
158 INS= $(ONBLD_TOOLS)/bin/$(MACH)/install
159 SYMLINK= /usr/bin/ln -s
160 LN= /usr/bin/ln
161 MKDIR= /usr/bin/mkdir
162 CHMOD= /usr/bin/chmod
163 MV= /usr/bin/mv -f
164 RM= /usr/bin/rm -f
165 CUT= /usr/bin/cut
166 NM= /usr/ccs/bin/nm
167 DIFF= /usr/bin/diff
168 GREP= /usr/bin/grep
169 EGREP= /usr/bin/egrep
170 ELFWRAP= /usr/bin/elfwrap
171 KSH93= /usr/bin/ksh93
172 SED= /usr/bin/sed
173 AWK= /usr/bin/nawk
174 CP= /usr/bin/cp -f
175 MCS= /usr/ccs/bin/mcs
176 CAT= /usr/bin/cat
177 ELFDUMP= /usr/ccs/bin/elfdump
178 M4= /usr/bin/m4
179 STRIP= /usr/ccs/bin/strip
180 LEX= /usr/ccs/bin/lex
181 FLEX= /usr/bin/flex
182 YACC= /usr/ccs/bin/yacc
183 CPP= /usr/lib/cpp
184 ANSI_CPP= $(GNUC_ROOT)/bin/cpp
185 JAVAC= $(JAVA_ROOT)/bin/javac
186 JAVAH= $(JAVA_ROOT)/bin/javah
187 JAVADOC= $(JAVA_ROOT)/bin/javadoc
188 RMIC= $(JAVA_ROOT)/bin/rmic
189 JAR= $(JAVA_ROOT)/bin/jar
190 CTFCONVERT= $(ONBLD_TOOLS)/bin/$(MACH)/ctfconvert
191 CTFMERGE= $(ONBLD_TOOLS)/bin/$(MACH)/ctfmerge
192 CTFSTABS= $(ONBLD_TOOLS)/bin/$(MACH)/ctfstabs
193 CTFSTRIP= $(ONBLD_TOOLS)/bin/$(MACH)/ctfstrip

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194 NDRGEN= $(ONBLD_TOOLS)/bin/$(MACH)/ndrngen
195 GENOFFSETS= $(ONBLD_TOOLS)/bin/genoffsets
196 XREF= $(ONBLD_TOOLS)/bin/xref
197 FIND= /usr/bin/find
198 PERL= /usr/bin/perl
199 PERL_VERSION= 5.10.0
200 PERL_PKGVERS= -510
201 PERL_ARCH = i86pc-solaris-64int
202 $(SPARC_BLD)PERL_ARCH = sun4-solaris-64int
203 PYTHON_VERSION= 2.7
204 PYTHON_PKGVERS= -27
205 PYTHON= /usr/bin/python$(PYTHON_VERSION)
206 SORT= /usr/bin/sort
207 TOUCH= /usr/bin/touch
208 WC= /usr/bin/wc
209 XARGS= /usr/bin/xargs
210 ELFEDIT= /usr/bin/elfedit
211 DTRACE= /usr/sbin/dtrace -xnolib
212 UNIQ= /usr/bin/uniq
213 TAR= /usr/bin/tar
214 ASTBINDIR= /usr/ast/bin
215 MSGCC= $(ASTBINDIR)/msgcc
216 MSGFMT= /usr/bin/msgfmt -s
217 LCDEF= $(ONBLD_TOOLS)/bin/$(MACH)/localedef
218 TIC= $(ONBLD_TOOLS)/bin/$(MACH)/tic
219 ZIC= $(ONBLD_TOOLS)/bin/$(MACH)/zic
220 OPENSsl= /usr/bin/openssl

222 FILEMODE= 644
223 DIRMODE= 755

225 # Declare that nothing should be built in parallel.
226 # Individual Makefiles can use the .PARALLEL target to declare otherwise.
227 .NO_PARALLEL:

229 # For stylistic checks
230 #
231 # Note that the X and C checks are not used at this time and may need
232 # modification when they are actually used.
233 #
234 CSTYLE= $(ONBLD_TOOLS)/bin/cstyle
235 CSTYLE_TAIL=
236 HDRCHK= $(ONBLD_TOOLS)/bin/hdrchk
237 HDRCHK_TAIL=
238 JSTYLE= $(ONBLD_TOOLS)/bin/jstyle

240 DOT_H_CHECK= \
241     @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL); \
242     $(HDRCHK) $< $(HDRCHK_TAIL)

244 DOT_X_CHECK= \
245     @$(ECHO) "checking $<"; $(RPCGEN) -C -h $< | $(CSTYLE) $(CSTYLE_TAIL); \
246     $(RPCGEN) -C -h $< | $(HDRCHK) $< $(HDRCHK_TAIL)

248 DOT_C_CHECK= \
249     @$(ECHO) "checking $<"; $(CSTYLE) $< $(CSTYLE_TAIL)

251 MANIFEST_CHECK= \
252     @$(ECHO) "checking $<"; \
253     SVCCFG_DTD=$(SRC)/cmd/svc/dtd/service_bundle.dtd.1 \
254     SVCCFG_REPOSITORY=$(SRC)/cmd/svc/seed/global.db \
255     SVCCFG_CONFIGD_PATH=$(SRC)/cmd/svc/configd/svc.configd-native \
256     $(SRC)/cmd/svc/svccfg/svccfg-native validate $<

258 INS.file= $(RM) $@; $(INS) -s -m $(FILEMODE) -f $(@D) $<
259 INS.dir= $(INS) -s -d -m $(DIRMODE) $@

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260 # installs and renames at once
261 #
262 INS.rename=      $(INS.file); $(MV) $(@D)/$(<F) $@

264 # install a link
265 INSLINKTARGET=  $<
266 INS.link=       $(RM) $@; $(LN) $(INSLINKTARGET) $@
267 INS.symlink=    $(RM) $@; $(SYMLINK) $(INSLINKTARGET) $@

269 #
270 # Python bakes the mtime of the .py file into the compiled .pyc and
271 # rebuilds if the baked-in mtime != the mtime of the source file
272 # (rather than only if it's less than), thus when installing python
273 # files we must make certain to not adjust the mtime of the source
274 # (.py) file.
275 #
276 INS.pyfile=     $(RM) $@; $(SED) -e "1s:^\#@PYTHON@:\#@$(PYTHON):" < $< > $@; $

278 # MACH must be set in the shell environment per uname -p on the build host
279 # More specific architecture variables should be set in lower makefiles.
280 #
281 # MACH64 is derived from MACH, and BUILD64 is set to '#' for
282 # architectures on which we do not build 64-bit versions.
283 # (There are no such architectures at the moment.)
284 #
285 # Set BUILD64=# in the environment to disable 64-bit amd64
286 # builds on i386 machines.

288 MACH64_1=       $(MACH:sparc=sparcv9)
289 MACH64=         $(MACH64_1:i386=amd64)

291 MACH32_1=       $(MACH:sparc=sparcv7)
292 MACH32=         $(MACH32_1:i386=i86)

294 sparc_BUILD64=
295 i386_BUILD64=
296 BUILD64=       $(($(MACH)_BUILD64))

298 #
299 # C compiler mode. Future compilers may change the default on us,
300 # so force extended ANSI mode globally. Lower level makefiles can
301 # override this by setting CCMODE.
302 #
303 CCMODE=         -Xa
304 CCMODE64=      -Xa

306 #
307 # C compiler verbose mode. This is so we can enable it globally,
308 # but turn it off in the lower level makefiles of things we cannot
309 # (or aren't going to) fix.
310 #
311 CCVERBOSE=     -v

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

317 # set this to the secret flag "-Wc,-Qiselect-regsym=0" to disable register
318 # symbols (used to detect conflicts between objects that use global registers)
319 # we disable this now for safety, and because genunix doesn't link with
320 # this feature (the v9 default) enabled.
321 #
322 # REGSYM is separate since the C++ driver syntax is different.
323 CCREGSYM=      -Wc,-Qiselect-regsym=0
324 CCCREGSYM=     -Qoption cg -Qiselect-regsym=0

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326 # Prevent the removal of static symbols by the SPARC code generator (cg).
327 # The x86 code generator (ube) does not remove such symbols and as such
328 # using this workaround is not applicable for x86.
329 #
330 CCSTATICSYM=    -Wc,-Qassembler-ounrefsym=0
331 #
332 # generate 32-bit addresses in the v9 kernel. Saves memory.
333 CCABS32=        -Wc,-xcode=abs32
334 #
335 # generate v9 code which tolerates callers using the v7 ABI, for the sake of
336 # system calls.
337 CC32BITCALLERS= -_gcc=-massume-32bit-callers

339 # GCC, especially, is increasingly beginning to auto-inline functions and
340 # sadly does so separately not under the general -fno-inline-functions
341 # Additionally, we wish to prevent optimisations which cause GCC to clone
342 # functions -- in particular, these may cause unhelpful symbols to be
343 # emitted instead of function names
344 CCNOAUTOINLINE= -_gcc=-fno-inline-small-functions \
345                -_gcc=-fno-inline-functions-called-once \
346                -_gcc=-fno-ipa-cp

348 # One optimization the compiler might perform is to turn this:
349 #   #pragma weak foo
350 #   extern int foo;
351 #   if (&foo)
352 #       foo = 5;
353 # into
354 #   foo = 5;
355 # Since we do some of this (foo might be referenced in common kernel code
356 # but provided only for some cpu modules or platforms), we disable this
357 # optimization.
358 #
359 sparc_CCUNBOUND = -Wd,-xsafe=unboundsym
360 i386_CCUNBOUND  =
361 CCUNBOUND       = $(($(MACH)_CCUNBOUND))

363 #
364 # compiler '-xarch' flag. This is here to centralize it and make it
365 # overridable for testing.
366 sparc_XARCH=    -m32
367 sparcv9_XARCH= -m64
368 i386_XARCH=     -m32
369 amd64_XARCH=    -m64 -Ui386 -U_i386

371 # assembler '-xarch' flag. Different from compiler '-xarch' flag.
372 sparc_AS_XARCH= -xarch=v8plus
373 sparcv9_AS_XARCH= -xarch=v9
374 i386_AS_XARCH=
375 amd64_AS_XARCH= -xarch=amd64 -P -Ui386 -U_i386

377 #
378 # These flags define what we need to be 'standalone' i.e. -not- part
379 # of the rather more cosy userland environment. This basically means
380 # the kernel.
381 #
382 # XX64 future versions of gcc will make -mmodel=kernel imply -mno-red-zone
383 #
384 sparc_STAND_FLAGS= -_gcc=-ffreestanding
385 sparcv9_STAND_FLAGS= -_gcc=-ffreestanding
386 # Disabling MMX also disables 3DNow, disabling SSE also disables all later
387 # additions to SSE (SSE2, AVX ,etc.)
388 NO_SIMD=          -_gcc=-mno-mmx -_gcc=-mno-sse
389 i386_STAND_FLAGS= -_gcc=-ffreestanding $(NO_SIMD)
390 amd64_STAND_FLAGS= -xmodel=kernel $(NO_SIMD)

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392 SAVEARGS=          -Wu,-save_args
393 amd64_STAND_FLAGS  += $(SAVEARGS)

395 STAND_FLAGS_32 =  $$ (MACH)_STAND_FLAGS)
396 STAND_FLAGS_64 =  $$ (MACH64)_STAND_FLAGS)

398 #
399 # disable the incremental linker
400 ILDOFF=            -xildoff
401 #
402 XDEPEND=          -xdepend
403 XFFLAG=           -xF=%all
404 XESS=             -xs
405 XSTRCONST=       -xstrconst

407 #
408 # turn warnings into errors (C)
409 CERRWARN = -errtags=yes -errwarn=%all
410 CERRWARN += -erroff=E_EMPTY_TRANSLATION_UNIT
411 CERRWARN += -erroff=E_STATEMENT_NOT_REACHED

413 CERRWARN += -_gcc=-Wno-missing-braces
414 CERRWARN += -_gcc=-Wno-sign-compare
415 CERRWARN += -_gcc=-Wno-unknown-pragmas
416 CERRWARN += -_gcc=-Wno-unused-parameter
417 CERRWARN += -_gcc=-Wno-missing-field-initializers

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

422 # DEBUG v. -nd make for frequent unused variables, empty conditions, etc. in
423 # -nd builds
424 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-unused
425 $(RELEASE_BUILD)CERRWARN += -_gcc=-Wno-empty-body

427 #
428 # turn warnings into errors (C++)
429 CCERRWARN=        -xwe

431 # C standard. Keep Studio flags until we get rid of lint.
432 CSTD_GNU89=       -xc99=%none
433 CSTD_GNU99=       -xc99=%all
434 CSTD=            $(CSTD_GNU89)
435 C99LMODE=        $(CSTD:-xc99%=-Xc99%)

437 # In most places, assignments to these macros should be appended with +=
438 # (CPPFLAGS.first allows values to be prepended to CPPFLAGS).
439 sparc_CFLAGS=     $(sparc_XARCH) $(CSTATICSYM)
440 sparcv9_CFLAGS=   $(sparcv9_XARCH) -dalign $(CCVERBOSE) $(V9ABIWARN) $(CCREGSYM) \
441                  $(CSTATICSYM)
442 i386_CFLAGS=      $(i386_XARCH)
443 amd64_CFLAGS=     $(amd64_XARCH)

445 sparc_ASFLAGS=    $(sparc_AS_XARCH)
446 sparcv9_ASFLAGS= $(sparcv9_AS_XARCH)
447 i386_ASFLAGS=     $(i386_AS_XARCH)
448 amd64_ASFLAGS=    $(amd64_AS_XARCH)

450 #
451 sparc_COPTFLAG=   -xO3
452 sparcv9_COPTFLAG= -xO3
453 i386_COPTFLAG=   -O
454 amd64_COPTFLAG=   -xO3

456 COPTFLAG=        $$ (MACH)_COPTFLAG)
457 COPTFLAG64=      $$ (MACH64)_COPTFLAG)

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

463 # Direct the Sun Studio compiler to use a static globalization prefix based on t
464 # name of the module rather than something unique. Otherwise, objects
465 # will not build deterministically, as subsequent compilations of identical
466 # source will yeild objects that always look different.
467 #
468 # In the same spirit, this will also remove the date from the N_OPT stab.
469 CGLOBALSTATIC= -W0,-xglobalstatic

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

475 #
476 # Default debug format for Sun Studio 11 is dwarf, so force it to
477 # generate stabs.
478 #
479 DEBUGFORMAT=     -xdebugformat=stabs

481 #
482 # Flags used to build in debug mode for ctf generation. Bugs in the Devpro
483 # compilers currently prevent us from building with cc-emitted DWARF.
484 #
485 CTF_FLAGS_sparc = -g -Wc,-Qiselect-T1 $(CSTD) $(CNOGLOBAL) $(CDWARFSTR)
486 CTF_FLAGS_i386 = -g $(CSTD) $(CNOGLOBAL) $(CDWARFSTR)

488 CTF_FLAGS_sparcv9 = $(CTF_FLAGS_sparc)
489 CTF_FLAGS_amd64 = $(CTF_FLAGS_i386)

491 # Sun Studio produces broken userland code when saving arguments.
492 $(__GNUCC)CTF_FLAGS_amd64 += $(SAVEARGS)

494 CTF_FLAGS_32 = $(CTF_FLAGS_$(MACH)) $(DEBUGFORMAT)
495 CTF_FLAGS_64 = $(CTF_FLAGS_$(MACH64)) $(DEBUGFORMAT)
496 CTF_FLAGS = $(CTF_FLAGS_32)

498 #
499 # Flags used with genoffsets
500 #
501 GOFLAGS = -_noecho \
502           $(CALLSYMS) \
503           $(CDWARFSTR)

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

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

511 #
512 # tradeoff time for space (smaller is better)
513 #
514 sparc_SPACEFLAG = -xspace -W0,-Lt
515 sparcv9_SPACEFLAG = -xspace -W0,-Lt
516 i386_SPACEFLAG = -xspace
517 amd64_SPACEFLAG =

519 SPACEFLAG = $$ (MACH)_SPACEFLAG)
520 SPACEFLAG64 = $$ (MACH64)_SPACEFLAG)

522 #
523 # The Sun Studio 11 compiler has changed the behaviour of integer

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524 # wrap arounds and so a flag is needed to use the legacy behaviour
525 # (without this flag panics/hangs could be exposed within the source).
526 #
527 sparc_IROPTFLAG      = -W2,-xwrap_int
528 sparcv9_IROPTFLAG   = -W2,-xwrap_int
529 i386_IROPTFLAG       =
530 amd64_IROPTFLAG      =
531
532 IROPTFLAG            = $($MACH)_IROPTFLAG)
533 IROPTFLAG64          = $($MACH64)_IROPTFLAG)
534
535 sparc_XREGSFLAG      = -xregs=no%appl
536 sparcv9_XREGSFLAG    = -xregs=no%appl
537 i386_XREGSFLAG       =
538 amd64_XREGSFLAG      =
539
540 XREGSFLAG            = $($MACH)_XREGSFLAG)
541 XREGSFLAG64          = $($MACH64)_XREGSFLAG)
542
543 # dmake SOURCEDEBUG=yes ... enables source-level debugging information, and
544 # avoids stripping it.
545 SOURCEDEBUG         = $(POUND_SIGN)
546 SRCDBGBLD           = $(SOURCEDEBUG:yes=)
547
548 #
549 # These variables are intended ONLY for use by developers to safely pass extra
550 # flags to the compilers without unintentionally overriding Makefile-set
551 # flags. They should NEVER be set to any value in a Makefile.
552 #
553 # They come last in the associated FLAGS variable such that they can
554 # explicitly override things if necessary, there are gaps in this, but it's
555 # the best we can manage.
556 #
557 CUSERFLAGS          =
558 CUSERFLAGS64        = $(CUSERFLAGS)
559 CCUSERFLAGS         =
560 CCUSERFLAGS64       = $(CCUSERFLAGS)
561
562 CSOURCEDEBUGFLAGS   =
563 CCSOURCEDEBUGFLAGS  =
564 $(SRCDBGBLD)CSOURCEDEBUGFLAGS = -g -xs
565 $(SRCDBGBLD)CCSOURCEDEBUGFLAGS = -g -xs
566
567 CFLAGS=              $(COPTFLAG) $($MACH)_CFLAGS) $(SPACEFLAG) $(CCMODE) \
568                      $(ILDOFF) $(CERRWARN) $(CSTD) $(CCUNBOUND) $(IROPTFLAG) \
569                      $(CGLOBALSTATIC) $(CCNOAUTOINLINE) $(CSOURCEDEBUGFLAGS) \
570                      $(CUSERFLAGS)
571 CFLAGS64=            $(COPTFLAG64) $($MACH64)_CFLAGS) $(SPACEFLAG64) $(CCMODE64) \
572                      $(ILDOFF) $(CERRWARN) $(CSTD) $(CCUNBOUND) $(IROPTFLAG64) \
573                      $(CGLOBALSTATIC) $(CCNOAUTOINLINE) $(CSOURCEDEBUGFLAGS) \
574                      $(CUSERFLAGS64)
575 #
576 # Flags that are used to build parts of the code that are subsequently
577 # run on the build machine (also known as the NATIVE_BUILD).
578 #
579 NATIVE_CFLAGS=       $(COPTFLAG) $($NATIVE_MACH)_CFLAGS) $(CCMODE) \
580                      $(ILDOFF) $(CERRWARN) $(CSTD) $($NATIVE_MACH)_CCUNBOUND) \
581                      $(IROPTFLAG) $(CGLOBALSTATIC) $(CCNOAUTOINLINE) \
582                      $(CSOURCEDEBUGFLAGS) $(CUSERFLAGS)
583
584 DTEXTDOM=-DTEXT_DOMAIN="\$(TEXT_DOMAIN)" # For messaging.
585 DTS_ERRNO=-D_TS_ERRNO
586 CPPFLAGS.first= # Please keep empty. Only lower makefiles should set this.
587 CPPFLAGS.master=$(DTEXTDOM) $(DTS_ERRNO) \
588                 $(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) $(ENVCPPFLAGS4) \
589                 $(ADJUNCT_PROTO:%=-I%/usr/include)

```

```

590 CPPFLAGS.native=$(ENVCPPFLAGS1) $(ENVCPPFLAGS2) $(ENVCPPFLAGS3) \
591                 $(ENVCPPFLAGS4) -I$(NATIVE_ADJUNCT)/include
592 CPPFLAGS=         $(CPPFLAGS.first) $(CPPFLAGS.master)
593 AS_CPPFLAGS=      $(CPPFLAGS.first) $(CPPFLAGS.master)
594 JAVAFLAGS=        -source 1.6 -target 1.6 -Xlint:deprecation,-options
595
596 #
597 # For source message catalogue
598 #
599 .SUFFIXES: $(SUFFIXES) .i .po
600 MSGROOT= $(ROOT)/catalog
601 MSGDOMAIN= $(MSGROOT)/$(TEXT_DOMAIN)
602 MSGDOMAINPOFILE = $(MSGDOMAIN)/$(POFILE)
603 DCMMSGDOMAIN= $(MSGROOT)/LC_TIME/$(TEXT_DOMAIN)
604 DCMMSGDOMAINPOFILE = $(DCMSGDOMAIN)/$(DCFILE:.dc=.po)
605
606 CLOBBERFILES += $(POFILE) $(POFILES)
607 COMPILE.cpp= $(CC) -E -C $(CFLAGS) $(CPPFLAGS)
608 XGETTEXT= /usr/bin/xgettext
609 XGETTEXTFLAGS= -c TRANSLATION_NOTE
610 GNUXGETTEXT= /usr/gnu/bin/xgettext
611 GNUXGETTEXTFLAGS= --add-comments=TRANSLATION_NOTE --keyword=_ \
612                  --strict --no-location --omit-header
613 BUILD.po= $(XGETTEXT) $(XGETTEXTFLAGS) -d $(<F) $(<.i ; \
614           $(RM) $@ ; \
615           $(SED) "/^domain/d" < $(<F).po > $@ ; \
616           $(RM) $(<F).po $(<.i
617
618 #
619 # This is overwritten by local Makefile when PROG is a list.
620 #
621 POFILE= $(PROG).po
622
623 sparc_CCFLAGS=      -cg92 -compat=4 \
624                    -Option ccfe -messages=no%anachronism \
625                    $(CCERRWARN)
626 sparcv9_CCFLAGS=    $(sparcv9_XARCH) -dalign -compat=5 \
627                    -Option ccfe -messages=no%anachronism \
628                    -Option ccfe -features=no%conststrings \
629                    $(CCREGSYM) \
630                    $(CCERRWARN)
631 i386_CCFLAGS=       -compat=4 \
632                    -Option ccfe -messages=no%anachronism \
633                    -Option ccfe -features=no%conststrings \
634                    $(CCERRWARN)
635 amd64_CCFLAGS=      $(amd64_XARCH) -compat=5 \
636                    -Option ccfe -messages=no%anachronism \
637                    -Option ccfe -features=no%conststrings \
638                    $(CCERRWARN)
639
640 sparc_CCOPTFLAG=    -O
641 sparcv9_CCOPTFLAG=  -O
642 i386_CCOPTFLAG=     -O
643 amd64_CCOPTFLAG=    -O
644
645 CCOPTFLAG=          $($MACH)_CCOPTFLAG)
646 CCOPTFLAG64=        $($MACH64)_CCOPTFLAG)
647 CCFLAGS=            $(CCOPTFLAG) $($MACH)_CCFLAGS) $(CCSOURCEDEBUGFLAGS) \
648                    $(CUSERFLAGS)
649 CCFLAGS64=          $(CCOPTFLAG64) $($MACH64)_CCFLAGS) $(CCSOURCEDEBUGFLAGS) \
650                    $(CUSERFLAGS64)
651
652 #
653 #
654 #
655 ELFWRAP_FLAGS =

```

```

656 ELFWRAP_FLAGS64 = -64

658 #
659 # Various mapfiles that are used throughout the build, and delivered to
660 # /usr/lib/ld.
661 #
662 MAPFILE.NED_i386 = $(SRC)/common/mapfiles/common/map.noexdata
663 MAPFILE.NED_sparc =
664 MAPFILE.NED = $(MAPFILE.NED_$(MACH))
665 MAPFILE.PGA = $(SRC)/common/mapfiles/common/map.pagealign
666 MAPFILE.NES = $(SRC)/common/mapfiles/common/map.noexstk
667 MAPFILE.FLT = $(SRC)/common/mapfiles/common/map.filter
668 MAPFILE.LEX = $(SRC)/common/mapfiles/common/map.lex.yy

670 #
671 # Generated mapfiles that are compiler specific, and used throughout the
672 # build. These mapfiles are not delivered in /usr/lib/ld.
673 #
674 MAPFILE.NGB_sparc= $(SRC)/common/mapfiles/gen/sparc_cc_map.noexeglobs
675 $(__GNUC64)MAPFILE.NGB_sparc= \
676 $(SRC)/common/mapfiles/gen/sparc_gcc_map.noexeglobs
677 MAPFILE.NGB_sparcv9= $(SRC)/common/mapfiles/gen/sparcv9_cc_map.noexeglobs
678 $(__GNUC64)MAPFILE.NGB_sparcv9= \
679 $(SRC)/common/mapfiles/gen/sparcv9_gcc_map.noexeglobs
680 MAPFILE.NGB_i386= $(SRC)/common/mapfiles/gen/i386_cc_map.noexeglobs
681 $(__GNUC64)MAPFILE.NGB_i386= \
682 $(SRC)/common/mapfiles/gen/i386_gcc_map.noexeglobs
683 MAPFILE.NGB_amd64= $(SRC)/common/mapfiles/gen/amd64_cc_map.noexeglobs
684 $(__GNUC64)MAPFILE.NGB_amd64= \
685 $(SRC)/common/mapfiles/gen/amd64_gcc_map.noexeglobs
686 MAPFILE.NGB = $(MAPFILE.NGB_$(MACH))

688 #
689 # A generic interface mapfile name, used by various dynamic objects to define
690 # the interfaces and interposers the object must export.
691 #
692 MAPFILE.INT = mapfile-intf

694 #
695 # LDLIBS32 and LDLIBS64 can be set in the environment to override the following
696 # assignments.
697 #
698 # These environment settings make sure that no libraries are searched outside
699 # of the local workspace proto area:
700 # LDLIBS32=-YP,$ROOT/lib:$ROOT/usr/lib
701 # LDLIBS64=-YP,$ROOT/lib:$MACH64:$ROOT/usr/lib:$MACH64
702 #
703 LDLIBS32 = $(ENVLDLIBS1) $(ENVLDLIBS2) $(ENVLDLIBS3)
704 LDLIBS32 += $(ADJUNCT_PROTO:%=-L%/usr/lib -L%/lib)
705 LDLIBS.cmd = $(LDLIBS32)
706 LDLIBS.lib = $(LDLIBS32)

708 LDLIBS64 = $(ENVLDLIBS1:%=%/$(MACH64)) \
709 $(ENVLDLIBS2:%=%/$(MACH64)) \
710 $(ENVLDLIBS3:%=%/$(MACH64))
711 LDLIBS64 += $(ADJUNCT_PROTO:%=-L%/usr/lib/$(MACH64) -L%/lib/$(MACH64))

713 #
714 # Define compilation macros.
715 #
716 COMPILE.c= $(CC) $(CFLAGS) $(CPPFLAGS) -c
717 COMPILE64.c= $(CC) $(CFLAGS64) $(CPPFLAGS) -c
718 COMPILE.cc= $(CCC) $(CCFLAGS) $(CPPFLAGS) -c
719 COMPILE64.cc= $(CCC) $(CCFLAGS64) $(CPPFLAGS) -c
720 COMPILE.s= $(AS) $(ASFLAGS) $(AS_CPPFLAGS)
721 COMPILE64.s= $(AS) $(ASFLAGS) $(MACH64)_AS_XARCH $(AS_CPPFLAGS)

```

```

722 COMPILE.d= $(DTRACE) -G -32
723 COMPILE64.d= $(DTRACE) -G -64
724 COMPILE.b= $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))
725 COMPILE64.b= $(ELFWRAP) $(ELFWRAP_FLAGS$(CLASS))

727 CLASSPATH=
728 COMPILE.java= $(JAVAC) $(JAVAFLAGS) -classpath $(CLASSPATH)

730 #
731 # Link time macros
732 #
733 CCNEEDED = -lC
734 CCEXTNEEDED = -lCrun -lCstd
735 $(__GNUC)CCNEEDED = -L$(GCCLIBDIR) -lstdc++ -lgcc_s
736 $(__GNUC)CCEXTNEEDED = $(CCNEEDED)

738 # Libraries we expect to find in ADJUNCT_PROTO
739 ADJUNCT_LIBS=
740 # Libraries we expect to use natively on the build machine
741 NATIVE_LIBS=

743 LDCHECKS = $(ZASSERTDEFLIB) $(ZGUIDANCE) $(ZFATALWARNINGS)
744 LDCHECKS += $(NATIVE_LIBS:%=$(ZASSERTDEFLIB)=%)
745 $(NO_ADJUNCT_PROTO)LDCHECKS += $(ADJUNCT_LIBS:%=$(ZASSERTDEFLIB)=%)

747 LINK.c= $(CC) $(CFLAGS) $(CPPFLAGS) $(LDFLAGS) $(LDCHECKS)
748 LINK64.c= $(CC) $(CFLAGS64) $(CPPFLAGS) $(LDFLAGS) $(LDCHECKS)
749 LINK.c= $(CC) $(CFLAGS) $(CPPFLAGS) $(LDFLAGS)
750 LINK64.c= $(CC) $(CFLAGS64) $(CPPFLAGS) $(LDFLAGS)
751 NORUNPATH= -norunpath -nolib
752 LINK.cc= $(CCC) $(CCFLAGS) $(CPPFLAGS) $(NORUNPATH) \
753 $(LDFLAGS) $(CCNEEDED) $(LDCHECKS)
754 LINK64.cc= $(CCC) $(CCFLAGS64) $(CPPFLAGS) $(NORUNPATH) \
755 $(LDFLAGS) $(CCNEEDED) $(LDCHECKS)
756 #

755 #
756 # lint macros
757 #
758 # Note that the undefine of __PRAGMA_REDEFINE_EXTNAME can be removed once
759 # ON is built with a version of lint that has the fix for 4484186.
760 #
761 ALWAYS_LINT_DEFS = -errtags=yes -s
762 ALWAYS_LINT_DEFS += -erroff=E_PTRDIFF_OVERFLOW
763 ALWAYS_LINT_DEFS += -erroff=E_ASSIGN_NARROW_CONV
764 ALWAYS_LINT_DEFS += -U__PRAGMA_REDEFINE_EXTNAME
765 ALWAYS_LINT_DEFS += $(C99LMODE)
766 ALWAYS_LINT_DEFS += -errsecurity=$(SECLEVEL)
767 ALWAYS_LINT_DEFS += -erroff=E_SEC_CREAT_WITHOUT_EXCL
768 ALWAYS_LINT_DEFS += -erroff=E_SEC_FORBIDDEN_WARN_CREAT
769 # XX64 -- really only needed for amd64 lint
770 ALWAYS_LINT_DEFS += -erroff=E_ASSIGN_INT_TO_SMALL_INT
771 ALWAYS_LINT_DEFS += -erroff=E_CAST_INT_CONST_TO_SMALL_INT
772 ALWAYS_LINT_DEFS += -erroff=E_CAST_INT_TO_SMALL_INT
773 ALWAYS_LINT_DEFS += -erroff=E_CAST_TO_PTR_FROM_INT
774 ALWAYS_LINT_DEFS += -erroff=E_COMP_INT_WITH_LARGE_INT
775 ALWAYS_LINT_DEFS += -erroff=E_INTEGRAL_CONST_EXP_EXPECTED
776 ALWAYS_LINT_DEFS += -erroff=E_PASS_INT_TO_SMALL_INT
777 ALWAYS_LINT_DEFS += -erroff=E_PTR_CONV_LOSES_BITS

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

783 SECLEVEL= core

```

```

784 LINT.c=          $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS) $(CPPFLAGS) \
785                 $(ALWAYS_LINT_DEFS)
786 LINT64.c=        $(LINT) $(ONLY_LINT_DEFS) $(LINTFLAGS64) $(CPPFLAGS) \
787                 $(ALWAYS_LINT_DEFS)
788 LINT.s=          $(LINT.c)

790 # For some future builds, NATIVE_MACH and MACH might be different.
791 # Therefore, NATIVE_MACH needs to be redefined in the
792 # environment as 'uname -p' to override this macro.
793 #
794 # For now at least, we cross-compile amd64 on i386 machines.
795 NATIVE_MACH=     $(MACH:amd64=i386)

797 # Define native compilation macros
798 #

800 # Base directory where compilers are loaded.
801 # Defined here so it can be overridden by developer.
802 #
803 SPRO_ROOT=       $(BUILD_TOOLS)/SUNWsprio
804 SPRO_VROOT=      $(SPRO_ROOT)/SS12
805 GNU_ROOT=        /usr

807 # Till SS12u1 formally becomes the NV CBE, LINT is hard
808 # coded to be picked up from the $SPRO_ROOT/sunstudio12.1/
809 # location. Impacted variables are sparc_LINT, sparcv9_LINT,
810 # i386_LINT, amd64_LINT.
811 # Reset them when SS12u1 is rolled out.
812 #

814 # Specify platform compiler versions for languages
815 # that we use (currently only c and c++).
816 #
817 sparc_CC=        $(ONBLD_TOOLS)/bin/$(MACH)/cw _cc
818 $(__GNUCC)sparc_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _gcc
819 sparc_CCC=       $(ONBLD_TOOLS)/bin/$(MACH)/cw _CC
820 $(__GNUCC)sparc_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _g++
821 sparc_CPP=       /usr/ccs/lib/cpp
822 sparc_AS=        /usr/ccs/bin/as -xregsym=no
823 sparc_LD=        /usr/ccs/bin/ld
824 sparc_LINT=      $(SPRO_ROOT)/sunstudio12.1/bin/lint

826 sparcv9_CC=     $(ONBLD_TOOLS)/bin/$(MACH)/cw _cc
827 $(__GNUCC64)sparcv9_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _gcc
828 sparcv9_CCC=    $(ONBLD_TOOLS)/bin/$(MACH)/cw _CC
829 $(__GNUCC64)sparcv9_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _g++
830 sparcv9_CPP=    /usr/ccs/lib/cpp
831 sparcv9_AS=     /usr/ccs/bin/as -xregsym=no
832 sparcv9_LD=    /usr/ccs/bin/ld
833 sparcv9_LINT=   $(SPRO_ROOT)/sunstudio12.1/bin/lint

835 i386_CC=        $(ONBLD_TOOLS)/bin/$(MACH)/cw _cc
836 $(__GNUCC)i386_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _gcc
837 i386_CCC=       $(ONBLD_TOOLS)/bin/$(MACH)/cw _CC
838 $(__GNUCC)i386_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _g++
839 i386_CPP=       /usr/ccs/lib/cpp
840 i386_AS=        /usr/ccs/bin/as
841 $(__GNUCC)i386_AS= $(ONBLD_TOOLS)/bin/$(MACH)/aw
842 i386_LD=        /usr/ccs/bin/ld
843 i386_LINT=      $(SPRO_ROOT)/sunstudio12.1/bin/lint

845 amd64_CC=       $(ONBLD_TOOLS)/bin/$(MACH)/cw _cc
846 $(__GNUCC64)amd64_CC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _gcc
847 amd64_CCC=      $(ONBLD_TOOLS)/bin/$(MACH)/cw _CC
848 $(__GNUCC64)amd64_CCC= $(ONBLD_TOOLS)/bin/$(MACH)/cw _g++
849 amd64_CPP=      /usr/ccs/lib/cpp

```

```

850 amd64_AS=       $(ONBLD_TOOLS)/bin/$(MACH)/aw
851 amd64_LD=       /usr/ccs/bin/ld
852 amd64_LINT=     $(SPRO_ROOT)/sunstudio12.1/bin/lint

854 NATIVECC=      $( $(NATIVE_MACH)_CC )
855 NATIVECCC=     $( $(NATIVE_MACH)_CCC )
856 NATIVECPP=     $( $(NATIVE_MACH)_CPP )
857 NATIVEAS=      $( $(NATIVE_MACH)_AS )
858 NATIVELD=      $( $(NATIVE_MACH)_LD )
859 NATIVELINT=    $( $(NATIVE_MACH)_LINT)

861 #
862 # Makefile.master.64 overrides these settings
863 #
864 CC=             $(NATIVECC)
865 CCC=           $(NATIVECCC)
866 CPP=           $(NATIVECPP)
867 AS=            $(NATIVEAS)
868 LD=            $(NATIVELD)
869 LINT=          $(NATIVELINT)

871 # The real compilers used for this build
872 CW_CC_CMD=      $(CC) _compiler
873 CW_CCC_CMD=    $(CCC) _compiler
874 REAL_CC=       $(CW_CC_CMD:sh)
875 REAL_CCC=      $(CW_CCC_CMD:sh)

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

880 BDIRECT=       -Bdirect
881 BDYNAMIC=      -Bdynamic
882 BLOCAL=        -Blocal
883 BNODIRECT=     -Bnodirect
884 BREDUCE=       -Breduce
885 BSTATIC=       -Bstatic

887 ZDEFS=         -zdefs
888 ZDIRECT=       -zdirect
889 ZIGNORE=       -zignore
890 ZINITFIRST=    -zinitfirst
891 ZINTERPOSE=    -zinterpose
892 ZLAZYLOAD=     -zlazyload
893 ZLOADFLTR=    -zloadfltr
894 ZMULDEFS=     -zmuldefs
895 ZNODEFAULTLIB= -znodefaultlib
896 ZNODEFS=      -znodefs
897 ZNODELETE=    -znodelete
898 ZNODLOPEN=    -znodlopen
899 ZNODUMP=      -znodump
900 ZNOLAZYLOAD=  -znolazyload
901 ZNOLDYNSYM=   -znolddynsym
902 ZNORELOC=     -znoreloc
903 ZNOVERSION=   -znoversion
904 ZRECORD=      -zrecord
905 ZREDLOCSYM=   -zredlocsyzm
906 ZTEXT=        -ztext
907 ZVERBOSE=     -zverbose
908 ZASSERTDEFLIB= -zassert-deflib
909 ZGUIDANCE=    -zguidance
910 ZFATALWARNINGS= -zfatal-warnings
911 #endif /* ! codereview */

913 GSHARED=       -G
914 CCMT=          -mt

```

```

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

919 sparc_C_PICFLAGS =      -K pic
920 sparcv9_C_PICFLAGS =    -K pic
921 i386_C_PICFLAGS =       -K pic
922 amd64_C_PICFLAGS =      -K pic
923 C_PICFLAGS =            ${$(MACH)_C_PICFLAGS}
924 C_PICFLAGS64 =         ${$(MACH64)_C_PICFLAGS}

926 sparc_C_BIGPICFLAGS =   -K PIC
927 sparcv9_C_BIGPICFLAGS = -K PIC
928 i386_C_BIGPICFLAGS =    -K PIC
929 amd64_C_BIGPICFLAGS =   -K PIC
930 C_BIGPICFLAGS =        ${$(MACH)_C_BIGPICFLAGS}
931 C_BIGPICFLAGS64 =      ${$(MACH64)_C_BIGPICFLAGS}

933 # CC requires there to be no space between '-K' and 'pic' or 'PIC'.
934 sparc_CC_PICFLAGS =     -Kpic
935 sparcv9_CC_PICFLAGS =   -KPIC
936 i386_CC_PICFLAGS =     -Kpic
937 amd64_CC_PICFLAGS =    -Kpic
938 CC_PICFLAGS =          ${$(MACH)_CC_PICFLAGS}
939 CC_PICFLAGS64 =        ${$(MACH64)_CC_PICFLAGS}

941 AS_PICFLAGS=           $(C_PICFLAGS)
942 AS_BIGPICFLAGS=        $(C_BIGPICFLAGS)

944 #
945 # Default label for CTF sections
946 #
947 CTFCVTFLAGS=           -i -L VERSION

949 #
950 # Override to pass module-specific flags to ctfmerge.  Currently used only by
951 # krtld to turn on fuzzy matching, and source-level debugging to inhibit
952 # stripping.
953 #
954 CTFMRGFLAGS=

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

958 # Rules (normally from make.rules) and macros which are used for post
959 # processing files.  Normally, these do stripping of the comment section
960 # automatically.
961 #   RELEASE_CM:       Should be edited to reflect the release.
962 #   POST_PROCESS_O:   Post-processing for '.o' files.
963 #   POST_PROCESS_A:   Post-processing for '.a' files (currently null).
964 #   POST_PROCESS_SO:  Post-processing for '.so' files.
965 #   POST_PROCESS:     Post-processing for executable files (no suffix).
966 # Note that these macros are not completely generalized as they are to be
967 # used with the file name to be processed following.
968 #
969 # It is left as an exercise to Release Engineering to embellish the generation
970 # of the release comment string.
971 #
972 #   If this is a standard development build:
973 #   compress the comment section (mcs -c)
974 #   add the standard comment (mcs -a $(RELEASE_CM))
975 #   add the development specific comment (mcs -a $(DEV_CM))
976 #
977 #   If this is an installation build:
978 #   delete the comment section (mcs -d)
979 #   add the standard comment (mcs -a $(RELEASE_CM))
980 #   add the development specific comment (mcs -a $(DEV_CM))
981 #

```

```

982 #   If this is an release build:
983 #   delete the comment section (mcs -d)
984 #   add the standard comment (mcs -a $(RELEASE_CM))
985 #
986 # The following list of macros are used in the definition of RELEASE_CM
987 # which is used to label all binaries in the build:
988 #
989 #   RELEASE           Specific release of the build, eg: 5.2
990 #   RELEASE_MAJOR     Major version number part of $(RELEASE)
991 #   RELEASE_MINOR     Minor version number part of $(RELEASE)
992 #   VERSION           Version of the build (alpha, beta, Generic)
993 #   PATCHID           If this is a patch this value should contain
994 #                     the patchid value (eg: "Generic 100832-01"), otherwise
995 #                     it will be set to $(VERSION)
996 #   RELEASE_DATE      Date of the Release Build
997 #   PATCH_DATE        Date the patch was created, if this is blank it
998 #                     will default to the RELEASE_DATE
999 #
1000 RELEASE_MAJOR=       5
1001 RELEASE_MINOR=       11
1002 RELEASE=             ${$(RELEASE_MAJOR)}.${$(RELEASE_MINOR)}
1003 VERSION=             SunOS Development
1004 PATCHID=             ${$(VERSION)}
1005 RELEASE_DATE=        release date not set
1006 PATCH_DATE=          ${$(RELEASE_DATE)}
1007 RELEASE_CM=          "@(${(POUND_SIGN)})SunOS ${$(RELEASE)} ${$(PATCHID)} ${$(PATCH_DATE)}"
1008 DEV_CM=              "@(${(POUND_SIGN)})SunOS Internal Development: non-nightly build"

1010 PROCESS_COMMENT=    @$${MCS} -d -a $(RELEASE_CM) -a $(DEV_CM)
1011 $(RELEASE_BUILD)PROCESS_COMMENT= @$${MCS} -d -a $(RELEASE_CM)

1013 STRIP_STABS=        $(STRIP) -x $@
1014 $(SRCDBGBLD)STRIP_STABS=
:

1016 POST_PROCESS_O=
1017 POST_PROCESS_A=
1018 POST_PROCESS_SO=    ${$(PROCESS_COMMENT)} $@ ; $(STRIP_STABS) ; \
1019                    ${ELFSIGN_OBJECT}
1020 POST_PROCESS=        ${$(PROCESS_COMMENT)} $@ ; $(STRIP_STABS) ; \
1021                    ${ELFSIGN_OBJECT}

1023 #
1024 # chk4ubin is a tool that inspects a module for a symbol table
1025 # ELF section size which can trigger an OBP bug on older platforms.
1026 # This problem affects only specific sun4u bootable modules.
1027 #
1028 CHK4UBIN=           $(ONBLD_TOOLS)/bin/${(MACH)}/chk4ubin
1029 CHK4UBINFLAGS=
1030 CHK4UBINARY=        ${$(CHK4UBIN)} ${$(CHK4UBINFLAGS)} $@

1032 #
1033 # PKGARCHIVE specifies the default location where packages should be
1034 # placed if built.
1035 #
1036 $(RELEASE_BUILD)PKGARCHIVESUFFIX= -nd
1037 PKGARCHIVE=$(SRC)/../../packages/${(MACH)}/nightly${(PKGARCHIVESUFFIX)}

1039 #
1040 # The repositories will be created with these publisher settings.  To
1041 # update an image to the resulting repositories, this must match the
1042 # publisher name provided to "pkg set-publisher."
1043 #
1044 PKGPUBLISHER_REDIST= on-nightly
1045 PKGPUBLISHER_NONREDIST= on-extra

1047 #   Default build rules which perform comment section post-processing.

```



```

1048 #
1049 .c:
1050     $(LINK.c) -o $@ $< $(LDLIBS)
1051     $(POST_PROCESS)
1052 .c.o:
1053     $(COMPILE.c) $(OUTPUT_OPTION) $< $(CTFCONVERT_HOOK)
1054     $(POST_PROCESS_O)
1055 .c.a:
1056     $(COMPILE.c) -o $% $<
1057     $(PROCESS_COMMENT) $%
1058     $(AR) $(ARFLAGS) $@ $%
1059     $(RM) $%
1060 .s.o:
1061     $(COMPILE.s) -o $@ $<
1062     $(POST_PROCESS_O)
1063 .s.a:
1064     $(COMPILE.s) -o $% $<
1065     $(PROCESS_COMMENT) $%
1066     $(AR) $(ARFLAGS) $@ $%
1067     $(RM) $%
1068 .cc:
1069     $(LINK.cc) -o $@ $< $(LDLIBS)
1070     $(POST_PROCESS)
1071 .cc.o:
1072     $(COMPILE.cc) $(OUTPUT_OPTION) $<
1073     $(POST_PROCESS_O)
1074 .cc.a:
1075     $(COMPILE.cc) -o $% $<
1076     $(AR) $(ARFLAGS) $@ $%
1077     $(PROCESS_COMMENT) $%
1078     $(RM) $%
1079 .y:
1080     $(YACC.y) $<
1081     $(LINK.c) -o $@ y.tab.c $(LDLIBS)
1082     $(POST_PROCESS)
1083     $(RM) y.tab.c
1084 .y.o:
1085     $(YACC.y) $<
1086     $(COMPILE.c) -o $@ y.tab.c $(CTFCONVERT_HOOK)
1087     $(POST_PROCESS_O)
1088     $(RM) y.tab.c
1089 .l:
1090     $(RM) $*.c
1091     $(LEX.l) $< > $*.c
1092     $(LINK.c) -o $@ $*.c -ll $(LDLIBS)
1093     $(POST_PROCESS)
1094     $(RM) $*.c
1095 .l.o:
1096     $(RM) $*.c
1097     $(LEX.l) $< > $*.c
1098     $(COMPILE.c) -o $@ $*.c $(CTFCONVERT_HOOK)
1099     $(POST_PROCESS_O)
1100     $(RM) $*.c
1102 .bin.o:
1103     $(COMPILE.b) -o $@ $<
1104     $(POST_PROCESS_O)
1106 .java.class:
1107     $(COMPILE.java) $<
1109 # Bourne and Korn shell script message catalog build rules.
1110 # We extract all gettext strings with sed(1) (being careful to permit
1111 # multiple gettext strings on the same line), weed out the dups, and
1112 # build the catalogue with awk(1).

```

```

1114 .sh.po .ksh.po:
1115     $(SED) -n -e "a" \
1116     -e "h" \
1117     -e "s/.*gettext *\([^\"]*\).*\/\1/p" \
1118     -e "x" \
1119     -e "s/\(.*\)gettext *\([^\"]*\)\(.*\)\/\1/2/" \
1120     -e "t a" \
1121     $< | sort -u | $(AWK) '{ print "msgid\t" $$0 "\nmsgstr" }' > $@
1123 #
1124 # Python and Perl executable and message catalog build rules.
1125 #
1126 .SUFFIXES: .pl .pm .py .pyc
1128 .pl:
1129     $(RM) $@;
1130     $(SED) -e "s@TEXT_DOMAIN@"$(TEXT_DOMAIN)"@" $< > $@;
1131     $(CHMOD) +x $@
1133 .py:
1134     $(RM) $@; $(SED) -e "1s:^\#@PYTHON@:\#!$(PYTHON):" < $< > $@; $(CHMOD)
1136 .py.pyc:
1137     $(RM) $@
1138     $(PYTHON) -mpy_compile $<
1139     @[ $(<)c = $@ ] || $(MV) $(<)c $@
1141 .py.po:
1142     $(GNUXGETTEXT) $(GNUXGETTEXTFLAGS) -d $(<F:%.py=) $< ;
1144 .pl.po .pm.po:
1145     $(XGETTEXT) $(XGETTEXTFLAGS) -d $(<F) $< ;
1146     $(RM) $@ ;
1147     $(SED) "/^domain/d" < $(<F).po > $@ ;
1148     $(RM) $(<F).po
1150 #
1151 # When using xgettext, we want messages to go to the default domain,
1152 # rather than the specified one. This special version of the
1153 # COMPILE.cpp macro effectively prevents expansion of TEXT_DOMAIN,
1154 # causing xgettext to put all messages into the default domain.
1155 #
1156 CPPFORPO=$(COMPILE.cpp:"$(TEXT_DOMAIN)"=TEXT_DOMAIN)
1158 .c.i:
1159     $(CPPFORPO) $< > $@
1161 .h.i:
1162     $(CPPFORPO) $< > $@
1164 .y.i:
1165     $(YACC) -d $<
1166     $(CPPFORPO) y.tab.c > $@
1167     $(RM) y.tab.c
1169 .l.i:
1170     $(LEX) $<
1171     $(CPPFORPO) lex.yy.c > $@
1172     $(RM) lex.yy.c
1174 .c.po:
1175     $(CPPFORPO) $< > $<.i
1176     $(BUILD.po)
1178 .cc.po:
1179     $(CPPFORPO) $< > $<.i

```

```
1180      $(BUILD.po)
1182 .y.po:
1183     $(YACC) -d $<
1184     $(CPPFORPO) y.tab.c > $<.i
1185     $(BUILD.po)
1186     $(RM) y.tab.c
1188 .l.po:
1189     $(LEX) $<
1190     $(CPPFORPO) lex.yy.c > $<.i
1191     $(BUILD.po)
1192     $(RM) lex.yy.c
1194 #
1195 # Rules to perform stylistic checks
1196 #
1197 .SUFFIXES: .x .xml .check .xmlchk
1199 .h.check:
1200     $(DOT_H_CHECK)
1202 .x.check:
1203     $(DOT_X_CHECK)
1205 .xml.xmlchk:
1206     $(MANIFEST_CHECK)
1208 #
1209 # Include rules to render automated sccs get rules "safe".
1210 #
1211 include $(SRC)/Makefile.noget
```

new/usr/src/boot/sys/boot/Makefile

1

1162 Wed Sep 19 23:19:20 2018

new/usr/src/boot/sys/boot/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
```

```
12 #
13 # Copyright 2015 Toomas Soome <tsoome@me.com>
14 #
```

```
16 .KEEP_STATE:
```

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

```
20 INSTDIRS = i386 efi
21 SUBDIRS = libstand ficl zfs $(INSTDIRS)
```

```
23 all := TARGET = all
24 clean := TARGET = clean
25 clobber := TARGET = clobber
26 install := TARGET = install
```

```
28 ficl: zfs libstand
```

```
30 #endif /* ! codereview */
31 all clean clobber: $(SUBDIRS)
```

```
33 #
34 # The directories in INSTDIRS depend implicitly on SUBDIRS being built already.
35 # We use .WAIT instead of explicit dependencies because we only want to make
36 # the "install" target in INSTDIRS, not in SUBDIRS.
37 #
38 # If adding SUBDIRS which are not dependencies of INSTDIRS, "install: all"
39 # rules should be added to the Makefiles in those directories.
40 #
41 install: all .WAIT $(INSTDIRS)
```

```
43 $(SUBDIRS): FRC
44 @cd $@; pwd; $(MAKE) $(MFLAGS) $(TARGET)
```

```
46 FRC:
```

```

*****
10866 Wed Sep 19 23:19:20 2018
new/usr/src/cmd/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright (c) 2017, Joyent, Inc.
25 # Copyright (c) 2012 by Delphix. All rights reserved.
26 # Copyright (c) 2013 DEY Storage Systems, Inc. All rights reserved.
27 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
28 # Copyright 2016 Toomas Soome <tsoome@me.com>
29 # Copyright 2018 Nexenta Systems, Inc.
30 # Copyright 2018 Gary Mills
31 #
32 #
33 include ../Makefile.master
34 #
35 #
36 # Note that the commands 'lp', and 'perl' are first in
37 # the list, violating alphabetical order. This is because they are very
38 # long-running and should be given the most wall-clock time for a
39 # parallel build.
40 #
41 # Commands in the FIRST_SUBDIRS list are built before starting the build
42 # of other commands. Currently this includes only 'isaexec' and
43 # 'latex'. This is necessary because $(ROOT)/usr/lib/isaexec or
44 # $(ROOT)/usr/lib/latex must exist when some other commands are built
45 # because their 'make install' creates a hard link to one of them.
46 #
47 # Commands are listed one per line so that TeamWare can auto-merge most
48 # changes.
49 #
50 #
51 FIRST_SUBDIRS= \
52 isaexec \
53 latex
54 #
55 COMMON_SUBDIRS= \
56 allocate \
57 availdevs \
58 lp \
59 perl \
60 Adm \
61 abi

```

```

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

```

new/usr/src/cmd/Makefile

```

128     dirname //
129     dis //
130     diskinfo //
131     diskmgtd //
132     dispadmin //
133     dladm //
134     dlstat //
135     dlutil //
136     dmesg //
137     dodatadm //
138     dtrace //
139     du //
140     dumpadm //
141     dumpcs //
142     echo //
143     ed //
144     eeprom //
145     eject //
146     emul64ioct1 //
147     enhance //
148     env //
149     eqn //
150     expand //
151     expr //
152     exstr //
153     factor //
154     false //
155     fcinfo //
156     fcoesvc //
157     fdetach //
158     fdformat //
159     fdisk //
160     ficl //
161     filesync //
162     file //
163     find //
164     flowadm //
165     flowstat //
166     fm //
167     fmt //
168     fmthard //
169     fmtmsg //
170     fold //
171     format //
172     fs.d //
173     fstyp //
174     fuser //
175     fwflash //
176     gcore //
177     gencat //
178     geniconvtbl //
179     genmsg //
180     getconf //
181     getdevpolicy //
182     getent //
183     getfacl //
184     getmajor //
185     getopt //
186     gettext //
187     gettxt //
188     grep //
189     groups //
190     growfs //
191     grpck //
192     gss //
193     hal //

```

3

new/usr/src/cmd/Makefile

```

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

```

4

new/usr/src/cmd/Makefile

```

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

```

5

new/usr/src/cmd/Makefile

```

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

```

6

new/usr/src/cmd/Makefile

```

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

```

7

new/usr/src/cmd/Makefile

```

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

475     i386_SUBDIRS= //
476     acpi        //
477     acpihpd     //
478     addbadsec   //
479     biosdev     //
480     diskscan   //
481     nvmeadm    //
482     rtc        //
483     ucodeadm   //
484     xhci       //
485     xvm        //

487     sparc_SUBDIRS= //
488     cvcd       //
489     dcs        //
490     device_remap //
491     drd        //
492     fruadm     //
493     ldmad     //
494     oplhpd    //
495     prtldscp  //
496     prtfru    //
497     scadm     //
498     sckmd     //
499     sf880drd  //
500     virtinfo  //
501     vntsd     //

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

```

8

new/usr/src/cmd/Makefile

```

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

```

9

new/usr/src/cmd/Makefile

```

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

```

10

new/usr/src/cmd/Makefile

```

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

```

11

new/usr/src/cmd/Makefile

```

722      w          \
723      who        \
724      whodo      \
725      wracct     \
726      write      \
727      xargs      \
728      yppasswd   \
729      zdump      \
730      zfs        \
731      zic        \
732      zlogin     \
733      zoneadm    \
734      zoneadmd   \
735      zonecfg    \
736      zonename   \
737      zpool      \
738      zonestat   \
740      sparc_MSGSUBDIRS= \
741          fruadm      \
742          prtscp      \
743          prtfru      \
744          virtinfo    \
745          vntsd       \
747      i386_MSGSUBDIRS= \
748          ucodeadm    \
750      #
751      # commands that use dcgettext for localized time, LC_TIME
752      #
753      DCSSUBDIRS= \
754          cal          \
755          cfgadm      \
756          diff        \
757          ls          \
758          pr          \
759          ps          \
760          tar         \
761          w           \
762          who         \
763          whodo      \
764          write       \
766      #
767      # commands that belong only to audit.
768      #
769      AUDITSUBDIRS= \
770          amt         \
771          audit       \
772          audit_warn  \
773          auditconfig \
774          auditd      \
775          auditrecord \
776          auditreduce \
777          auditset    \
778          auditstat   \
779          praudit     \
781      #
782      # commands not owned by the systems group
783      #
784      BWOSDIRS=
787      all :=          TARGET = all

```

12

new/usr/src/cmd/Makefile

13

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

795 .KEEP_STATE:

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

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

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

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

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

821 _dc: $(DCSUBDIRS)

823 #
824 # Dependencies
825 #
826 abi:    sgs
827 #endif /* ! codereview */
828 fs.d:   fstyp
829 ksh:    shcomp isaexec
830 print:  lp
831 fmt:    mailx

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

840 FRC:
```

```

*****
1461 Wed Sep 19 23:19:21 2018
new/usr/src/cmd/audio/audioconvert/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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25 #
26 # Makefile for cmd/audio/audioconvert

28 PROG= audioconvert

30 include ../../Makefile.cmd

32 INCLUDES += -I../include -I.

34 CPPFLAGS += $(INCLUDES)

36 PROGSRCS= convert.cc file.cc main.cc parse.cc

38 OBJS= $(PROGSRCS:%.cc=%.o)

40 LDLIBS += -laudio -lm -lc

42 LDFLAGS += -L../utilities
43 $(_SUNC)ADJUNCT_LIBS = libc.so
44 #endif /* ! codereview */

46 .PARALLEL:      $(OBJS)

48 .KEEP_STATE:

50 all:            $(PROG)

52 install:       all .WAIT $(ROOTPROG)

54 _msg:

56 $(PROG):       $(OBJS)
57                $(LINK.cc) $(OBJS) -o $@ $(LDLIBS)
58                $(POST_PROCESS)

60 clean:
61                $(RM) $(OBJS)

```

```

63 clobber: clean
64                $(RM) $(PROG) $(CLOBBERFILES)

66 lint:

```

new/usr/src/cmd/availdevs/Makefile

1

```
*****
1535 Wed Sep 19 23:19:21 2018
new/usr/src/cmd/availdevs/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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27 PROG=          availdevs

29 include ../Makefile.cmd

31 ROOTCMDDIR=     $(ROOTLIB)/zfs

33 INCS += -I$(ADJUNCT_PROTO)/usr/include/libxml2

35 #
36 # There is no lint library for libxml2, so we need to avoid linking against
37 # it during lint, as well as turning off the warnings lint would generate.
38 #
39 LDLIBS += -lzfs_jni -lnvpair -lzfs
40 all install := LDLIBS += -lxml2
41 LINTFLAGS += -xerroff=E_NAME_USED_NOT_DEF2
42 ADJUNCT_LIBS = libxml2.so
43 #endif /* ! codereview */

45 CPPFLAGS += $(INCS) -D_LARGEFILE64_SOURCE=1 -D_REENTRANT
46 $(NOT_RELEASE_BUILD) CPPFLAGS += -DDEBUG

48 .KEEP_STATE:

50 all: $(PROG)

52 install: all $(ROOTCMD)

54 clean:

56 lint: lint_PROG

58 include ../Makefile.targ
```

```

*****
2199 Wed Sep 19 23:19:22 2018
new/usr/src/cmd/awk/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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26 #

28 # NOTE: awk is oawk.

30 PROG= nawk

32 OBJ1= b.o lib.o main.o parse.o proctab.o run.o tran.o
33 OBJ2= awk.g.o awk.lx.o
34 OBJS= $(OBJ2) $(OBJ1)
35 SRCS= $(OBJ1:%.o=%.c)

37 include ../Makefile.cmd

39 CERRWARN += -_gcc=-Wno-implicit-function-declaration
40 CERRWARN += -_gcc=-Wno-unused-label
41 CERRWARN += -_gcc=-Wno-parentheses
42 CERRWARN += -_gcc=-Wno-unused-variable
43 CERRWARN += -_gcc=-Wno-uninitialized

45 #
46 # Message catalog
47 #
48 POFILES= $(OBJS:%.o=%.po)
49 POFILE= awk.po
50 XGETFLAGS += -a -x awk.xcl
51 #

53 CPPFLAGS += -D_FILE_OFFSET_BITS=64
54 YFLAGS += -d
55 LDLIBS += -lm
56 LINTFLAGS += -u
57 CLEANFILES= maketab proctab.c awk.g.c awk.lx.c y.tab.h
58 NATIVELDLFLAGS += -Bdirect $(LDCHECKS)
59 NATIVE_LIBS= libc.so # because this is a native tool
60 #endif /* ! codereview */

```

```

62 .KEEP_STATE:

64 all: $(PROG)

66 $(PROG): $(OBJS)
67     $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
68     $(POST_PROCESS)

70 #
71 # message catalog
72 #

74 $(POFILE): y.tab.h $(POFILES)
75     $(RM) $@
76     cat $(POFILES) > $@
77 #

79 proctab.c: maketab
80     rm -f $@; ./maketab > $@

82 maketab: maketab.c
83     $(NATIVECC) $(NATIVE_CFLAGS) -o maketab.c -o $@ $(NATIVELDLFLAGS)
84     $(NATIVECC) $(NATIVE_CFLAGS) maketab.c -o $@ $(LDLIBS)

85 install: all $(ROOTPROG) $(ROOTLINK)

87 clean:
88     $(RM) $(OBJS) $(CLEANFILES)

90 lint: awk.g.c lint_SRCS

92 awk.g.c + y.tab.h: awk.g.y

94 awk.g.o: awk.g.c

96 awk.lx.c: awk.lx.l

98 proctab.o: proctab.c
99     $(COMPILE.c) proctab.c
100     $(POST_PROCESS_O)

102 include ../Makefile.targ

```

new/usr/src/cmd/boot/bootadm/Makefile

1

```
*****
2083 Wed Sep 19 23:19:22 2018
new/usr/src/cmd/boot/bootadm/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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27 #

29 PROG= bootadm

31 SBINLINKS= $(PROG)

33 OBJS= bootadm.o bootadm_upgrade.o bootadm_hyper.o bootadm_digest.o \
34       bootadm_loader.o
35 SRCS = $(OBJS:.o=.c)
36 POFILES= $(OBJS:%.o=%.po)

38 include ../Makefile.com

40 POFILE= bootadm_cmd.po

42 .KEEP_STATE:

44 LDLIBS_i386= -ldisk
45 LDLIBS += -lficl-sys -lmd -lcryptoutil -lnvpair -lgen -ladm -lefi
46 LDLIBS += -lz -lbe -lzfs -lofmt $(LDLIBS_$(MACH))
47 ADJUNCT_LIBS = libz.so
48 #endif /* ! codereview */

50 # Writing into string literals is incorrect. We need to match gcc's
51 # behavior, which causes us to take SIGSEGV on such a write.
52 CFLAGS += $(XSTRCONST)
53 CPPFLAGS += -D_FILE_OFFSET_BITS=64
54 CPPFLAGS += -I$(SRC)/uts/common -I$(SRC)/common -I$(SRC)/common/ficl

56 CSTD= $(CSTD_GNU99)

58 LINTFLAGS += -erroff=E_INCONS_ARG_DECL2
59 LINTFLAGS += -erroff=E_INCONS_VAL_TYPE_DECL2
60 LINTFLAGS += -erroff=E_NAME_DEF_NOT_USED2
```

new/usr/src/cmd/boot/bootadm/Makefile

2

```
62 all: $(PROG)

64 $(PROG): $(OBJS) bootadm.h
65 $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
66 $(POST_PROCESS)

68 install: all $(ROOTSBINPROG) .WAIT $(ROOTUSRSBINLINKS)

70 $(POFILE): $(POFILES)
71 $(RM) $@
72 $(CAT) $(POFILES) > $@

74 clean:
75 -$(RM) $(OBJS) $(POFILE) $(POFILES)

77 lint: lint_SRCS

79 include ../Makefile.targ
```

new/usr/src/cmd/boot/fiocompress/Makefile

1

1341 Wed Sep 19 23:19:22 2018

new/usr/src/cmd/boot/fiocompress/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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26 PROG= fiocompress

28 SBINLINKS= $(PROG)

30 OBJS= fiocompress.o
31 SRCS = $(OBJS:.o=.c)

33 include ../Makefile.com

35 .KEEP_STATE:

37 LDLIBS +=      -lz

39 CFLAGS +=      -I../..../uts/common
40 LINTFLAGS +=   -I../..../uts/common

42 ADJUNCT_LIBS = libz.so

44 #endif /* ! codereview */
45 all: $(PROG)

47 $(PROG): $(OBJS)
48     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
49     $(POST_PROCESS)

51 install: all $(ROOTSBINPROG) .WAIT $(ROOTUSRSBINLINKS)

53 clean:
54     -$(RM) $(OBJS)

56 _msg:

58 lint:    lint_SRCS

60 include ../Makefile.targ
```

```

*****
1897 Wed Sep 19 23:19:23 2018
new/usr/src/cmd/cdrw/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 PROG= cdrw

28 OBJS= main.o mmc.o device.o transport.o util.o msgs.o misc_scsi.o dumpinfo.o \
29       toshiba.o bstream.o options.o trackio.o write_image.o blank.o \
30       write_audio.o dae.o copycd.o

32 include ../Makefile.cmd
33 include ../hal/Makefile.hal

35 SRCS= $(OBJS:.o=.c)

37 LDLIBS +=      -lhal -lsecdb
38 NONLINTLDLIBS = -ldbusr-1
39 CFLAGS +=      $(CCVERBOSE)
40 CERRWARN +=    -_gcc=-Wno-uninitialized
41 CERRWARN +=    -_gcc=-Wno-parentheses
42 CPPFLAGS +=    -D_REENTRANT -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64 $(HAL_DB
43 LINTFLAGS +=   -um
44 ADJUNCT_LIBS = libdbus-1.so
45 #endif /* ! codereview */

47 $(ROOTBIN)/cdrw := FILEMODE = 04755

49 .KEEP_STATE:

51 all: $(PROG)

53 $(PROG): $(OBJS)
54     $(LINK.c) -o $(PROG) $(OBJS) $(LDLIBS) $(NONLINTLDLIBS) $(CFLAGS)
55     $(POST_PROCESS)

57 install: all $(ROOTPROG)

59 clean:
60     $(RM) $(OBJS)

```

```

62 lint: lint_SRCS

64 $(POFILE) : $(SRCS)
65     $(RM) $@
66     $(COMPILE.cpp) $(SRCS) | $(XGETTEXT) $(XGETFLAGS) -
67     $(SED) -e '/^domain/d' messages.po > $@
68     $(RM) messages.po

70 sb: $(SRCS)
71     $(COMPILE.c) -xsbfast $(SRCS)

73 include ../Makefile.targ

```



```

*****
1609 Wed Sep 19 23:19:23 2018
new/usr/src/cmd/cmd-crypto/decrypt/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
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26 PROG = decrypt

28 ROOTLINK32= $(ROOTBIN32)/encrypt
29 ROOTLINK64= $(ROOTBIN64)/encrypt

31 OBJS = decrypt.o

33 SRCS = $(OBJS:%.o=./%.c)

35 include ../../../../Makefile.cmd

37 CFLAGS += $(CCVERBOSE)
38 CFLAGS64 += $(CCVERBOSE)
39 CPPFLAGS += -D_FILE_OFFSET_BITS=64

41 CERRWARN += -_gcc=-Wno-parentheses
42 CERRWARN += -_gcc=-Wno-uninitialized

44 LDLIBS += -lkmf -lpkcs11 -lcryptoutil

46 .KEEP_STATE:

48 all: $(PROG)

50 lint: lint_SRCS

52 include ../../../../Makefile.targ

52 %.o: ../%.c
53 $(COMPILE.c) $<

55 $(PROG): $(OBJS)
56 $(LINK.c) $(OBJS) -o $@ $(LDLIBS) $(DYNFLAGS)
57 $(POST_PROCESS)

59 $(ROOTLINK32): $(ROOTPROG32)

```

```

60 $(RM) $@
61 $(LN) $(ROOTPROG32) $@

63 $(ROOTLINK64): $(ROOTPROG64)
64 $(RM) $@
65 $(LN) $(ROOTPROG64) $@

67 clean:
68 $(RM) $(PROG) $(OBJS)

70 include ../../../../Makefile.targ

72 #endif /* ! codereview */

```

new/usr/src/cmd/cmd-crypto/kmfcfg/Makefile

1

```
*****
1963 Wed Sep 19 23:19:24 2018
new/usr/src/cmd/cmd-crypto/kmfcfg/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #
25 # Makefile for policy testing code
26 #
27 #
28 PROG = kmfcfg
29 #
30 OBJS = kmfcfg.o \
31       list.o \
32       delete.o \
33       util.o \
34       create.o \
35       modify.o \
36       export.o \
37       import.o \
38       install.o \
39       uninstall.o
40 #
41 include ../../Makefile.cmd
42 #
43 KMFDIR      = $(SRC)/lib/libkmf
44 SRCS       = $(OBJS:%.o=%.c)
45 #
46 POFILES    = $(OBJS:%.o=%.po)
47 POFILE     = $(PROG)_msg.po
48 MSGFILES   = $(SRCS:%.c=%.i)
49 #
50 CPPFLAGS   += -I$(ADJUNCT_PROTO)/usr/include/libxml2 \
51             -I$(KMFDIR)/include -I.
52 LDLIBS     += -L$(ROOT)/usr/lib -lkmf -lcryptoutil
53 XMLLIB     = -lxml2
54 ADJUNCT_LIBS = libxml2.so
55 #endif /* ! codereview */
56 #
57 .KEEP_STATE:
58 #
59 XMLDIR= $(ROOT)/etc/security
60 DTDDIR= $(ROOT)/usr/share/lib/xml/dtd
61 ROOTDTS= $(DTDDIR)/kmfpolicy.dtd
```

new/usr/src/cmd/cmd-crypto/kmfcfg/Makefile

2

```
62 ROOTXML= $(XMLDIR)/kmfpolicy.xml
63 #
64 $(ROOTDTS) := FILEMODE = 444
65 #
66 $(ROOTXML) := FILEMODE = 644
67 #
68 all: $(PROG) $(ROOTDTS)
69 #
70 $(PROG): $(OBJS)
71         $(LINK.c) -o $@ $(OBJS) $(LDLIBS) $(XMLLIB)
72         $(POST_PROCESS)
73 #
74 $(POFILE): $(POFILES)
75         $(RM) $@; $(CAT) $(POFILES) > $@
76 #
77 install: all $(ROOTDTS) $(ROOTXML) $(ROOTPROG)
78 #
79 $(XMLDIR)/%: %
80         $(INS.file)
81 #
82 $(DTDDIR)/%: %
83         $(INS.file)
84 #
85 clean:
86         $(RM) $(OBJS)
87 #
88 lint : lint_SRCS
89 #
90 include ../../Makefile.targ
```

```
*****
```

```
1496 Wed Sep 19 23:19:24 2018
```

```
new/usr/src/cmd/cmd-crypto/tpmadm/Makefile
```

```
9852 enable ld(1) guidance and deflib assertions for the illumos build
```

```
*****
```

```
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```

```
25 PROG = tpmadm
```

```
27 OBJS = main.o \
28       admin_cmds.o
```

```
30 include ../../Makefile.cmd
```

```
32 SRCS = $(OBJS:%.o=%.c)
33 POFILES = $(OBJS:%.o=%.po)
34 POFILE = $(PROG)_msg.po
35 MSGFILES=$(SRCS:%.c=%.i)
```

```
37 CPPFLAGS += -xCC
38 LINTFLAGS += -XCC -L$(ADJUNCT_PROTO)/usr/lib
39 LDLIBS += -ltspi -luuid
40 ADJUNCT_LIBS = libtspi.so
41 #endif /* ! codereview */
```

```
43 CLOBBERFILES = C.ln $(POFILE) $(POFILES)
```

```
45 .KEEP_STATE:
```

```
47 all : $(PROG)
```

```
49 $(PROG) : $(OBJS)
50           $(LINK.c) -o $@ $(OBJS) $(DYNFLAGS) $(LDLIBS)
51           $(POST_PROCESS)
```

```
53 $(POFILE) : $(POFILES)
54           $(RM) $@; $(CAT) $(POFILES) > $@
```

```
56 install : all $(ROOTPROG)
```

```
58 clean :
59         $(RM) $(OBJS)
```

```
61 lint : lint_SRCS
```

```
63 include ../../Makefile.targ
```

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

1

```
*****
2058 Wed Sep 19 23:19:25 2018
new/usr/src/cmd/cmd-inet/sbin/dhcpagent/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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25 #
26
27 PROG = dhcpagent
28 ROOTFS_PROG = $(PROG)
29 DEFAULTFILES = dhcpagent.dfl
30
31 OBJS = adopt.o agent.o async.o bound.o class_id.o defaults.o inform.o \
32       init_reboot.o interface.o ipc_action.o packet.o release.o renew.o \
33       request.o script_handler.o select.o states.o util.o
34
35 include ../../../../Makefile.cmd
36
37 SRCS = $(OBJS:%.o=%.c)
38 POFILES = $(OBJS:%.o=%.po)
39 XGETFLAGS += -a -x dhcpagent.xcl
40
41 CERRWARN += -_gcc=-Wno-switch
42 CERRWARN += -_gcc=-Wno-parentheses
43
44 #
45 # to compile a debug version, do a 'make COPTFLAG="-g -XO0"'
46 #
47
48 CPPFLAGS += -D_XOPEN_SOURCE=500 -D__EXTENSIONS__
49 LDLIBS += -lnet -lnvpair -ldhcpagent -ldhcputil -linetutil -ldevinfo \
50         -ldlpi -lresolv -lipadm
51         -ldlpi -lresolv -lsocket -lipadm
52
53 # Disable warnings that affect all XPG applications.
54 LINTFLAGS += -errorf=E_INCONS_ARG_DECL2 -errorf=E_INCONS_VAL_TYPE_DECL2
55
56 .KEEP_STATE:
57
58 all: $(ROOTFS_PROG)
59
60 install: all $(ROOTSBINPROG) $(ROOTETCDEFAULTFILES)
```

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

2

```
61 $(PROG): $(OBJS)
62           $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
63           $(POST_PROCESS)
64
65 $(POFILE): $(POFILES)
66           $(RM) $@; $(CAT) $(POFILES) > $@; $(RM) $(POFILES)
67
68 clean:
69           $(RM) $(OBJS)
70
71 lint: lint_SRCS
72
73 include ../../../../Makefile.targ
```

new/usr/src/cmd/cmd-inet/usr.lib/wpad/Makefile

1

1497 Wed Sep 19 23:19:25 2018

new/usr/src/cmd/cmd-inet/usr.lib/wpad/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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23 #

25 PROG =          wpad
26 MANIFEST =      wpa.xml
27 OBJS =          wpa_supPLICANT.o wpa.o wpa_enc.o eloop.o \
28                driver_wifi.o l2_packet.o
29 SRCS =          $(OBJS:%.o=%.c)

31 include ../../../../Makefile.cmd

33 ROOTMANIFESTDIR = $(ROOTSVCNETWORK)

35 LDLIBS +=       -ldladm -ldlpi
36 all install := LDLIBS += -lcrypto
37 all install := ADJUNCT_LIBS = libcrypto.so
38 #endif /* ! codereview */

40 LINTFLAGS +=    -u

42 .KEEP_STATE:

44 all:            $(PROG)

46 $(PROG):        $(OBJS)
47                 $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
48                 $(POST_PROCESS)

50 include ../Makefile.lib

52 install:        all $(ROOTLIBINETPROG) $(ROOTMANIFEST)

54 check:          $(CHKMANIFEST)

56 clean:          $(RM) $(OBJS)

59 lint:           lint_SRCS

61 include ../../../../Makefile.targ
```

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

1

```
*****
2549 Wed Sep 19 23:19:26 2018
new/usr/src/cmd/cmd-inet/usr.sbin/in.routed/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
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5 #

7 ROUTEDPROG=      in.routed
8 ROUTEDOBJS=      common.o if.o input.o main.o output.o parms.o radix.o \
9                  rdisc.o table.o trace.o
10 ROUTEDSRCS=      $(ROUTEDOBJS:.o=.c)
11 RTQUERYPROG=     rtquery
12 RTQUERYOBJS=     common.o rtquery.o
13 RTQUERYSRCS=     $(RTQUERYOBJS:.o=.c)
14 POFILOBJS=       $(ROUTEDOBJS) $(RTQUERYOBJS)

16 PROG=           $(ROUTEDPROG) $(RTQUERYPROG)
17 SRCS=           $(ROUTEDSRCS) $(RTQUERYSRCS)

19 MANIFEST=       route.xml
20 SVCMETHOD=       svc-route

22 include         ../../../Makefile.cmd

24 ROOTMANIFESTDIR= $(ROOTSVCNETWORKROUTING)

26 #
27 # in.routed uses ancillary data features available through
28 # the Open Group's Networking Services standard. The following
29 # pre-processor definitions enable these features.
30 #
31 _D_XOPEN_EXTN = -D_XOPEN_SOURCE=500 -D_EXTENSIONS__

33 # Turning on __EXTENSIONS__ breaks lint, and we need __EXTENSIONS__.
34 # This is really a lint problem, so around the breakage.
35 LINTFLAGS += -erroff=E_FUNC_DECL_VAR_ARG2 -erroff=E_INCONS_VAL_TYPE_DECL2 \
36              -erroff=E_INCONS_ARG_DECL2 -erroff=E_INCONS_ARG_USED2

38 CPPFLAGS +=     $( _D_XOPEN_EXTN )
39 CFLAGS +=       $( CCVERBOSE )
40 CERRWARN +=     -_gcc=-Wno-parentheses
41 CERRWARN +=     -_gcc=-Wno-uninitialized
42 LDLIBS +=       -lxnet -lmd
43 LDLIBS +=       -lxnet -lmd -lsocket
44 CLEAN_FILES += $(ROUTEDOBJS) $(RTQUERYOBJS)
45 CLOBBERFILES += $(ROUTEDPROG) $(RTQUERYPROG)
46 #
47 # Message catalog
48 #
49 POFILOBJS=      in.routed.po
50 POFILES=        $(POFILOBJS:.o=.po)
51 #
52 $(ROUTEDPROG):= LDLIBS += -lkstat
53 lint :=         LDLIBS += -lkstat

54 # This needs to be done because of SPARC/x86 differences. On x86,
55 # double has required alignment of only 4 bytes, but on SPARC it's 8
56 # bytes. This means that sockaddr_in can be casted to
57 # sockaddr_storage without complaint on x86, but requires a
58 # suppression directive on SPARC.
59 LINTFLAGS += -erroff=E_SUPPRESSION_DIRECTIVE_UNUSED
```

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

2

```
61 CTFCONVERT_HOOK = && $(CTFCONVERT_O)
62 CTFMERGE_HOOK = && $(CTFMERGE) -L VERSION -o $$ $(ROUTEDOBJS)
63 $(ROUTEDOBJS) := CFLAGS += $(CTF_FLAGS)
64 $(RTQUERYOBJS) := CFLAGS += $(CTF_FLAGS)

66 .KEEP_STATE:

68 .PARALLEL: $(ROUTEDPROG) $(RTQUERYOBJS)

70 all:      $(PROG)

72 $(POFILE): $(POFILES)
73             $(RM) $$@
74             cat $(POFILES) > $$@

76 $(ROUTEDPROG): $(ROUTEDOBJS)
77                 $(LINK.c) -o $$@ $(ROUTEDOBJS) $(LDLIBS) $(CTFMERGE_HOOK)
78                 $(POST_PROCESS)

80 $(RTQUERYPROG): $(RTQUERYOBJS)
81                 $(LINK.c) -o $$@ $(RTQUERYOBJS) $(LDLIBS) -lresolv $(CTFMERGE_HOOK)
82                 $(POST_PROCESS)

84 lint:
85         $(LINT.c) $(ROUTEDSRCS) $(LDLIBS)
86         $(LINT.c) $(RTQUERYSRCS) $(LDLIBS)

88 install:      all $(ROOTUSRSBINPROG) $(ROOTMANIFEST) $(ROOTSVCMETHOD)

90 check:        $(CHKMANIFEST)

92 clean:
93             $(RM) $(CLEAN_FILES)

95 include       ../../../Makefile.targ
```

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

1

2285 Wed Sep 19 23:19:26 2018

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

9852 enable ld(1) guidance and deflib assertions for the illumos build

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25 #
```

```
27 PROG = ipadm
28 ROOTFS_PROG = $(PROG)
29 LOCALOBSJ= ipadm.o
30 COMMONOBSJ=
31 OBJS= $(LOCALOBSJ) $(COMMONOBSJ)
```

```
33 include ../../Makefile.cmd
34 include ../../Makefile.cmd-inet
```

```
36 XGETFLAGS += -a -x $(PROG).xcl
37 LOCALSRCS= $(LOCALOBSJ:%.o=%c)
38 COMMONSRCS= $(CMDINETCOMMONDIR)/$(COMMONOBSJ:%.o=%c)
39 SRCS= $(LOCALSRCS) $(COMMONSRCS)
```

```
41 CPPFLAGS += -I$(CMDINETCOMMONDIR)
42 CERRWARN += -gcc=-Wno-unused-label
43 CERRWARN += -gcc=-Wno-uninitialized
44 LDLIBS += -lofmt -linetutil -lipadm -lnvpair
45 LINTFLAGS += -m
```

```
47 ROOTUSRSBINLINKS = $(PROG:%=$(ROOTUSRSBIN)/%)
```

```
49 LDLIBS += -lxnet
```

```
49 # ipadm uses the ancillary data feature which is available only through
50 # UNIX 98 standards version of Socket interface. This interface is supposed to
51 # be accessed by -lxnet. In addition -lsocket is used to capture new
52 # not-yet-standard interfaces. Someday -lxnet alone should be enough when IPv6
53 # inspired new interfaces are part of standards.
54 LDLIBS += -lxnet -lsocket
```

```
51 # these #defines are required to use UNIX 98 interfaces
52 _D_UNIX98_EXTN= -D_XOPEN_SOURCE=500 -D_EXTENSIONS_
```

```
54 $(OBJS) := CPPFLAGS += $_D_UNIX98_EXTN
```

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

2

```
56 LINTFLAGS += $_D_UNIX98_EXTN
```

```
58 $(ROOTCFGDIR)/ipadm.conf := FILEMODE= 644
```

```
60 #
61 # Instrument ipadm with CTF data to ease debugging.
62 #
63 CTFCONVERT_HOOK = && $(CTFCONVERT_O)
64 CTFMERGE_HOOK = && $(CTFMERGE) -L VERSION -o $@ $(OBJS)
65 $(OBJS) := CFLAGS += $(CTF_FLAGS)
```

```
67 .KEEP_STATE:
```

```
69 all: $(ROOTFS_PROG)
```

```
71 $(PROG): $(OBJS)
72 $(LINK.c) $(OBJS) -o $@ $(LDLIBS) $(CTFMERGE_HOOK)
73 $(POST_PROCESS)
```

```
75 install: all $(ROOTSBINPROG) $(ROOTCFGDIR) $(ROOTCFGFILES) $(ROOTUSRSBINLINKS)
```

```
77 $(ROOTUSRSBINLINKS):
78 -$(RM) $@; $(SYMLINK) ../../sbin/$(@F) $@
```

```
80 clean:
81 $(RM) $(OBJS)
```

```
83 lint: lint_SRCS
```

```
85 $(ROOTCFGDIR):
86 $(INS.dir)
```

```
88 $(ROOTCFGDIR)/%: $(ROOTCFGDIR) %
89 $(INS.file)
```

```
91 include ../../Makefile.targ
```

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

1

```
*****
2187 Wed Sep 19 23:19:27 2018
new/usr/src/cmd/cmd-inet/usr.sbin/ping/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #

26 PROG= ping
27 OBJS= ping.o ping_aux.o ping_aux6.o
28 SRCS= $(OBJS:.o=.c)

30 include ../../../../Makefile.cmd

32 $(ROOTUSRSBIN)/ping := FILEMODE= 04555

34 # Ping uses the ancillary data feature which is available only through
35 # UNIX 98 standards version of Socket interface. This interface is supposed to
36 # be accessed by -lxnet. In addition -lsocket is used to
36 # be accessed by -lxnet. In addition -lsocket and is used to
37 # capture new not-yet-standard interfaces. Someday -lxnet alone should be enough
38 # when IPv6 inspired new interfaces are part of standards.
39 LDLIBS += -lxnet -lsocket -lm -linetutil

41 # These #defines are required to use SUSv3 interfaces
42 CPPFLAGS += -D_XOPEN_SOURCE=600 -D__EXTENSIONS__

44 CSTD= $(CSTD_GNU99)

46 # Setting the above defines to use the UNIX98 ancillary data feature
47 # causes lint to output warnings about lint library declarations conflicting
48 # with those in the header files. Since we need these features the best
49 # course of action is to switch the types of the resulting warnings off
50 # when running lint.
51 LINTFLAGS += -erroff=E_INCONS_VAL_TYPE_DECL2 -erroff=E_INCONS_ARG_DECL2 \
52 -erroff=E_NAME_USED_NOT_DEF2

54 .KEEP_STATE:
55 .PARALLEL:

57 all: $(PROG)

59 $(PROG): $(OBJS)
60 $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
```

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

2

```
61 $(POST_PROCESS)

63 install: all $(ROOTUSRSBINPROG)

65 clean:
66 $(RM) $(OBJS)

68 lint: lint_SRCS

70 include ../../../../Makefile.targ
```


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

1

2690 Wed Sep 19 23:19:27 2018

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

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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26 PROG=          traceroute
27 OBJS=          traceroute.o traceroute_aux.o traceroute_aux6.o
28 SRCS=          $(OBJS:.o=.c)

30 include ../../../../Makefile.cmd

32 $(ROOTUSRSBIN)/traceroute      :=      FILEMODE= 04555

34 # Traceroute uses the ancillary data feature which is available only through
35 # UNIX 98 standards version of Socket interface. This interface is supposed to
36 # be accessed by -lxnet. In addition -lsocket is used to capture new
37 # not-yet-standard interfaces. Someday -lxnet alone should be enough when IPv6
38 # inspired new interfaces are part of standards.
36 # be accessed by -lxnet. In addition -lsocket is used to
37 # capture new not-yet-standard interfaces. Someday -lxnet alone should be enough
38 # when IPv6 inspired new interfaces are part of standards.
39 LDLIBS +=      -lxnet -lsocket -linetutil

41 # These #defines are required to use UNIX 98 interfaces
42 CPPFLAGS +=    -D_XOPEN_SOURCE=500 -D__EXTENSIONS__

44 #
45 # Setting the above defines to use the UNIX98 ancillary data feature
46 # causes lint to output warnings about lint library declarations
47 # conflicting with those in the header files. Since we need these
48 # features, the best course of action is to switch the types of the
49 # resulting warnings off when running lint.
50 #
51 LINTFLAGS +=   -erroff=E_FUNC_DECL_VAR_ARG2 -erroff=E_INCONS_ARG_DECL2 \
52               -erroff=E_INCONS_ARG_USED2 -erroff=E_INCONS_VAL_TYPE_DECL2

54 CERRWARN +=    -_gcc=-Wno-uninitialized
55 CERRWARN +=    -_gcc=-Wno-clobbered

57 .KEEP_STATE:
```

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

2

```
59 all:          $(PROG)

61 $(PROG): $(OBJS)
62          $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
63          $(POST_PROCESS)

65 install: all $(ROOTUSRSBINPROG)

67 clean:
68          $(RM) $(OBJS)

70 lint:         lint_SRCS

72 include ../../../../Makefile.targ
```

```

*****
1904 Wed Sep 19 23:19:27 2018
new/usr/src/cmd/dfs.cmds/sharemgr/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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28 include ../../../../Makefile.cmd

30 SHAREMGR64= $(POUND_SIGN)
31 $(SHAREMGR64)SHAREMGRNO64= $(POUND_SIGN)

33 PROG=          sharemgr

35 OBJS          = sharemgr_main.o commands.o shareutil.o
36 SRCS          = $(OBJS:%.o=../%.c)

38 MYCPPFLAGS = -I../../../../../lib/libfsmgt/common \
39              -I$(ADJUNCT_PROTO)/usr/include/libxml2 \
40              -I../../
41 CPPFLAGS += $(MYCPPFLAGS)
42 LDLIBS += -lshare -lscf -lsecdb -lumem
43 all install := LDLIBS += -lxml2
44 all install := ADJUNCT_LIBS = libxml2.so
45 #endif /* ! codereview */
46 LINTFLAGS      += -u

48 CERRWARN       += -_gcc=-Wno-uninitialized

50 POFILES = $(SRCS:.c=.po)
51 POFILE  = sharemgr.po

53 LN_ISAEXEC= \
54     $(RM) $(ROOTUSRSBINPROG); \
55     $(LN) $(ISAEXEC) $(ROOTUSRSBINPROG)

57 .KEEP_STATE:

59 all: $(PROG)

61 $(PROG): $(OBJS)

```

```

62     $(LINK.c) -o $@ $(OBJS) $(LDFLAGS) $(LDLIBS)
63     $(POST_PROCESS)

65 install: all

67 $(SHAREMGRNO64)install: $(ROOTUSRSBINPROG)

69 lint:    lint_SRCS

71 clean:

72     $(RM) $(OBJS)

74 include ../../../../Makefile.targ

76 $(POFILE):    $(POFILES)
77     $(RM) $@; cat $(POFILES) > $@

79 %.o: ../%.c
80     $(COMPILE.c) $(OUTPUT_OPTION) $< $(CTFCONVERT_HOOK)
81     $(POST_PROCESS_O)

83 FRC:

```

new/usr/src/cmd/fm/modules/common/fabric-xlate/Makefile

1

1447 Wed Sep 19 23:19:28 2018

new/usr/src/cmd/fm/modules/common/fabric-xlate/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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24 #

26 MODULE = fabric-xlate
27 CLASS = common
28 SRCS = fabric-xlate.c fx_epkt.c fx_fabric.c fx_fire.c fx_subr.c

30 include ../../Makefile.plugin

32 CPPFLAGS += -I$(ADJUNCT_PROTO)/usr/include/libxml2 -I$(KMFDIR)/include -I.
33 CPPFLAGS += -I$(SRC)/uts/sun4v/io/px
34 INCDIRS = $(SRC)/uts/common
35 CFLAGS += -I$(INCDIRS)
36 LINTFLAGS += -I$(INCDIRS)

38 LDFLAGS += -L$(ROOT)/usr/lib/fm -R/usr/lib/fm
39 ADJUNCT_LIBS = libxml2.so
40 #endif /* ! codereview */
41 LDLIBS += -luutil -lxml2 -L$(ROOTLIB)/fm -ltopo

43 CERRWARN += -_gcc=-Wno-parentheses
44 CERRWARN += -_gcc=-Wno-switch
45 CERRWARN += -_gcc=-Wno-uninitialized
```

new/usr/src/cmd/fm/notify/snmp-notify/Makefile.com

1

```
*****
2557 Wed Sep 19 23:19:28 2018
new/usr/src/cmd/fm/notify/snmp-notify/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25 #
26 .KEEP_STATE:
27 .SUFFIXES:
28 #
29 SRCS += snmp-notify.c
30 OBJS = $(SRCS:%.c=%.o)
31 LINTFILES = $(SRCS:%.c=%.ln)
32 #
33 PROG = snmp-notify
34 ROOTLIBBFM = $(ROOT)/usr/lib/fm
35 ROOTLIBNOTIFY = $(ROOT)/usr/lib/fm/notify
36 ROOTPROG = $(ROOTLIBNOTIFY)/$(PROG)
37 #
38 ROOTMANIFESTDIR = $(ROOTSVCSYSTEM)/fm
39 ROOTMANIFEST = $(ROOTMANIFESTDIR)/$(PROG).xml
40 ROOTNOTIFYPARAMS = $(ROOTMANIFESTDIR)/notify-params.xml
41 $(ROOTMANIFEST) := FILEMODE = 0444
42 $(ROOTNOTIFYPARAMS) := FILEMODE = 0444
43 #
44 $(NOT_RELEASE_BUILD)CPPFLAGS += -DDEBUG
45 CPPFLAGS += -I. -I../common -I../../../../lib/fm/libbfmnotify/common
46 CSTD = $(CSTD_GNU99)
47 CFLAGS += $(CTF_FLAGS) $(CCVERBOSE) $(XSTRCONST)
48 LDLIBS += -L$(ROOT)/usr/lib/fm -lnvpair -lfmevent -lfmd_msg -lfmnotify \
49 -lumem -lnetsnmp -lnetsnmpagent
50 LDFLAGS += -R/usr/lib/fm
51 ADJUNCT_LIBS = libnetsnmp.so libnetsnmpagent.so
52 #endif /* ! codereview */
53 LINTFLAGS += -mnu
54 #
55 CERRWARN += -_gcc=-Wno-parentheses
56 #
57 .NO_PARALLEL:
58 .PARALLEL: $(OBJS) $(LINTFILES)
59 #
60 all: $(PROG)
```

new/usr/src/cmd/fm/notify/snmp-notify/Makefile.com

2

```
62 $(PROG): $(OBJS)
63 $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
64 $(CTFMERGE) -L VERSION -o $@ $(OBJS)
65 $(POST_PROCESS)
66 #
67 %.o: ../common/%.c
68 $(COMPILE.c) $<
69 $(CTFCONVERT_O)
70 #
71 %.o: %.c
72 $(COMPILE.c) $<
73 $(CTFCONVERT_O)
74 #
75 clean:
76 $(RM) $(OBJS) $(LINTFILES)
77 #
78 clobber: clean
79 $(RM) $(PROG)
80 #
81 %.ln: ../common/%.c
82 $(LINT.c) -c $<
83 #
84 %.ln: %.c
85 $(LINT.c) -c $<
86 #
87 lint: $(LINTFILES)
88 $(LINT) $(LINTFLAGS) $(LINTFILES)
89 #
90 $(ROOTLIBNOTIFY):
91 $(INS.dir)
92 #
93 $(ROOTLIBNOTIFY)/%: %
94 $(INS.file)
95 #
96 $(ROOTMANIFESTDIR):
97 $(INS.dir)
98 #
99 $(ROOTMANIFESTDIR)/%.xml: ../common/%.xml
100 $(INS.file)
101 #
102 $(ROOTMANIFESTDIR)/notify-params.xml: ../notify-params.xml
103 $(INS.file) ../notify-params.xml
104 #
105 install_h:
106 #
107 install: all $(ROOTLIBNOTIFY) $(ROOTPROG) $(ROOTMANIFESTDIR) $(ROOTMANIFEST) $(R
```

new/usr/src/cmd/fm/schemes/cpu/amd64/Makefile

1

1159 Wed Sep 19 23:19:29 2018

new/usr/src/cmd/fm/schemes/cpu/amd64/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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25 #
26 #
27 include ../../Makefile.com
28 include $(SRC)/Makefile.master.64
29 #
30 SRCS = cpu.c
31 LDLIBS += -lkstat \
31 LDFLAGS += -lkstat \
32 -L$(ROOTLIB)/fm/$(MACH64) -ltopo
33 LDFLAGS += -R/usr/lib/fm/$(MACH64)
34 #
35 CERRWARN += -_gcc=-Wno-parentheses
36 #
37 include ../../Makefile.targ
38 #
39 install: all $(ROOTPROG64)
```

```

*****
2232 Wed Sep 19 23:19:29 2018
new/usr/src/cmd/fs.d/nfs/nfsmapid/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #

26 FSTYPE = nfs
27 TYPEPROG = nfsmapid
28 TESTPROG = nfsmapid_test
29 ATTMK = $(TYPEPROG)

31 include ../../Makefile.fstype

33 LDLIBS += -L$(ROOT)/usr/lib/nfs -R/usr/lib/nfs
34 LDLIBS += -lnsl -lmapid -ldtrace -lidmap
34 COMMON = nfs_resolve.o
35 SRCS = nfsmapid.c ../lib/nfs_resolve.c nfsmapid_server.c
36 DSRC = nfsmapid_dt.d
37 DOBJ = $(DSRC:%.d=%.o)
38 OBJ = nfsmapid.o nfsmapid_server.o $(COMMON)
39 CPPFLAGS += -I../lib -D_POSIX_PTHREAD_SEMANTICS

41 CERRWARN += -gcc=-Wno-implicit-function-declaration
42 CERRWARN += -gcc=-Wno-unused-variable
43 CERRWARN += -gcc=-Wno-parentheses
44 CERRWARN += -gcc=-Wno-uninitialized

46 $(TYPEPROG) := LDLIBS += -lnsl -lmapid -ldtrace -lidmap
47 #endif /* ! codereview */

49 all: $(TYPEPROG) $(TESTPROG)

51 $(TYPEPROG): $(OBJ) $(DSRC)
52 $(COMPILE.d) -s $(DSRC) -o $(DOBJ) $(OBJ)
53 $(LINK.c) $(ZIGNORE) -o $@ $(DOBJ) $(OBJ) $(LDLIBS)
54 $(POST_PROCESS)

56 nfs_resolve.o: ../lib/nfs_resolve.c
57 $(COMPILE.c) ../lib/nfs_resolve.c

59 TESTSRCS = nfsmapid_test.c
60 TESTOBS = $(TESTSRCS:%.c=%.o)

```

```

61 TEST_OBJS = $(TESTOBS)

63 $(TESTPROG): $(TEST_OBJS)
64 $(LINK.c) -o $@ $(TEST_OBJS) $(LDLIBS)
65 $(POST_PROCESS)

67 POFILE = nfsmapid.po
68 catalog: $(POFILE)

70 $(POFILE): $(SRCS)
71 $(RM) $@
72 $(COMPILE.cpp) $(SRCS) > $@.i
73 $(XGETTEXT) $(XGETFLAGS) $@.i
74 sed "/^domain/d" messages.po > $@
75 $(RM) $@.i messages.po

77 clean:
78 $(RM) $(OBJ) $(TESTPROG) $(TESTOBS) $(DOBJ) $(POFILE)

80 lint: $(SRCS) lint_srcs

```

new/usr/src/cmd/geniconvtbl/Makefile.com

1

4124 Wed Sep 19 23:19:30 2018

new/usr/src/cmd/geniconvtbl/Makefile.com

9852 enable ld(1) guidance and deflib assertions for the illumos build

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```

25 \$(NOT_NATIVE)NATIVE_BUILD = \$(POUND_SIGN)

27 ITM = geniconvtbl.so
28 PROG = geniconvtbl

30 SRCSH1 = iconv_tm.h hash.h
31 SRCCH1 = itmcomp.h itm_util.h matype.h
32 SRCSC1 = itmcomp.c assemble.c disassemble.c itm_util.c
33 SRCY1 = itm_comp.y
34 SRCL1 = itm_comp.l
35 SRCI1 = geniconvtbl.c

38 YTABC = y.tab.c
39 YTABH = y.tab.h
40 LEXYY = lex.yy.c
41 YOUT = y.output
42 MAPFILE = ../mapfile

46 SRCSH = \$(SRCSH1:%h=./%.h)
47 SRCCH = \$(SRCCH1:%h=./%.h)
48 SRCSC = \$(SRCSC1:%c=./%.c)
49 SRCI = \$(SRCI1:%c=./%.c)
50 SRCY = \$(SRCY1:%y=./%.y)
51 SRCL = \$(SRCL1:%l=./%.l)

53 SRCYC = \$(SRCY:%y=%.c)
54 SRCLC = \$(SRCL:%l=%.c)

56 SRCS = \$(SRCSC) \$(YTABC) \$(LEXYY)
57 HDRS = \$(SRCCH1) \$(ERNOSTRH)

61 SED = sed

new/usr/src/cmd/geniconvtbl/Makefile.com

2

62 LEXSED = ../lex.sed
63 YACCSED = ../yacc.sed

67 # include ../../../../lib/Makefile.lib
68 include ../../Makefile.cmd

71 ROOTDIRS32= \$(ROOTLIB)/iconv
72 ROOTDIRS64= \$(ROOTLIB)/iconv/\$(MACH64)
73 ROOTITM32 = \$(ROOTDIRS32)/\$(ITM)
74 ROOTITM64 = \$(ROOTDIRS64)/\$(ITM)

76 #
77 # definition for some useful target like clean,
78 OBJS = \$(SRCSCL:%c=%o) \$(YTABC:%c=.o) \$(LEXY:%c=.o)

80 CHECKHDRS = \$(HDRS%.h=%.check)

82 CLOBBERFILES= \$(ITM) \$(SRCYC)
83 CLEANFILES = \$(OBJS) \$(YTABC) \$(YTABH) \$(LEXY) \$(YOUT) \
84 \$(POFILES) \$(POFILE)

86 CPPFLAGS += -I. -I..
87 CERRWARN += -_gcc=-Wno-uninitialized
88 CERRWARN += -_gcc=-Wno-unused-label
89 CERRWARN += -_gcc=-Wno-switch
90 CERRWARN += -_gcc=-Wno-unused-variable
91 CERRWARN += -_gcc=-Wno-implicit-function-declaration
92 YFLAGS += -d -v
93 CFLAGS += -D_FILE_OFFSET_BITS=64

95 \$(ITM) := CFLAGS += \$(GSHARED) \$(C_PICFLAGS) \$(ZTEXT) -h \$@
96 \$(ITM) := CPPFLAGS += -D_REENTRANT
97 \$(ITM) := sparc_CFLAGS += -xregs=no%appl
98 \$(ITM) := sparcv9_CFLAGS += -xregs=no%appl

100 LDLIBS += -lgen

102 MY_NATIVE_CPPFLAGS = -D_FILE_OFFSET_BITS=64 -I. -I..
103 MY_NATIVE_LDFLAGS = \$(MAPFILE.NES:%=-M%) \$(MAPFILE.PGA:%=-M%) \
104 \$(MAPFILE.NED:%=-M%) -Bdirect \
105 -zassert-deflib=libgen.so \
106 -zassert-deflib=libc.so
103 MY_NATIVE_LDFLAGS = \$(MAPFILE.NES:%=-M%) \$(MAPFILE.PGA:%=-M%) \$(MAPFILE.NED:%=-M%)
107 MY_NATIVE_LDLIBS = -lgen

109 #
110 # Message catalog
111 #
112 POFILES= \$(SRCSC1:%c=%po) \$(SRCI1:%c=%po) \
113 \$(SRCY1:%y=%po) \$(SRCL1:%l=%po)

115 POFILE= geniconvtbl_.po

121 .KEEP_STATE:

123 .PARALLEL: \$(ITM) \$(OBJS)

125 \$(PROG): \$(OBJS)
126 \$(LINK.c) \$(OBJS) -o \$@ \$(LDLIBS)

```

127      $(POST_PROCESS)

129 $(ITM): $(SRCI)
130   $(CC) $(CFLAGS) $(CPPFLAGS) -M$(MAPFILE) -o $@ $(SRCI) $(LDLIBS)
131   $(POST_PROCESS_SO)

133 $(YTABC) $(YTABH): $(SRCY)
134   $(YACC) $(YFLAGS) $(SRCY)
135   @ $(MV) $(YTABC) $(YTABC)~
136   @ $(SED) -f $(YACCSED) $(YTABC)~ > $(YTABC)
137   @ $(RM) $(YTABC)~

139 $(LEXY): $(SRCL) $(YTABH)
140   $(LEX) -t $(SRCL) | $(SED) -f $(LEXSED) > $(LEXY)

143 $(POFILE): .WAIT $(POFILES)
144   $(RM) $@
145   $(CAT) $(POFILES) >$@

147 $(POFILES): $(SRCSC) $(SRCI) $(SRCY) $(SRCL)

149 %.po: ../%.c
150   $(COMPILE.cpp) $< > $<.i
151   $(BUILD.po)

154 lint : lint_SRCS1 lint_SRCS2

157 lint_SRCS1: $(SRCS)
158   $(LINT.c) $(SRCS) $(LDLIBS)

160 lint_SRCS2: $(SRCI)
161   $(LINT.c) $(SRCI) $(LDLIBS)

165 hdrchk: $(HDRCHECKS)

167 cstyle: $(SRCS)
168   $(DOT_C_CHECK)

170 clean:
171   $(RM) $(CLEANFILES)

173 debug:
174   $(MAKE) all COPTFLAG='' COPTFLAG64='' CFLAGS='-g -DDEBUG'

177 %.o: %.c
178   $(COMPILE.c) $<

180 %.o: ../%.c
181   $(COMPILE.c) $<

185 # install rule
186 #
187 $(ROOTDIRS32)/%: $(ROOTDIRS32) %
188   -$(INS.file)

190 $(ROOTDIRS64)/%: $(ROOTDIRS64) %
191   -$(INS.file)

```

```

193 $(ROOTDIRS32): $(ROOTLIB)
194   -$(INS.dir)

196 $(ROOTDIRS64): $(ROOTDIRS32)
197   -$(INS.dir)

199 $(ROOTLIB) $(ROOTBIN):
200   -$(INS.dir)

202 include ../../Makefile.targ

```


new/usr/src/cmd/hal/addons/acpi/Makefile

1

```
*****
1939 Wed Sep 19 23:19:30 2018
new/usr/src/cmd/hal/addons/acpi/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 PROG =          hald-addon-acpi
27 OBJS =          addon-acpi.o logger.o util_helper.o acpi.o util_pm.o
28 SRCS =          addon-acpi.c ../../hald/logger.c ../../hald/util_helper.c

30 include ../../Makefile.cmd
31 include ../../Makefile.hal

33 ROOTCMDDIR =   $(ROOTLIB_HAL)

35 LDLIBS +=      -lc -ldbus-1 -lhal -lglib-2.0
36 ADJUNCT_LIBS = libdbus-1.so libglib-2.0.so
37 #endif /* ! codereview */

39 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
40 CPPFLAGS +=    -I$(ROOT)/usr/include/hal -I../../hald
41 CSTD =         $(CSTD_GNU99)

43 .KEEP_STATE:

45 all: $(PROG)

47 acpi.o: ../../utils/acpi.c
48     $(COMPILE.c) -o $@ ../../utils/acpi.c
49     $(POST_PROCESS_O)

51 logger.o: ../../hald/logger.c
52     $(COMPILE.c) -o $@ ../../hald/logger.c
53     $(POST_PROCESS_O)

55 util_helper.o: ../../hald/util_helper.c
56     $(COMPILE.c) -o $@ ../../hald/util_helper.c
57     $(POST_PROCESS_O)

59 util_pm.o: ../../hald/util_pm.c
60     $(COMPILE.c) -o $@ ../../hald/util_pm.c
61     $(POST_PROCESS_O)
```

new/usr/src/cmd/hal/addons/acpi/Makefile

2

```
63 $(PROG): $(OBJS)
64     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
65     $(POST_PROCESS)

67 install: all $(ROOTCMD)

69 clean:
70     $(RM) $(OBJS) $(PROG)

72 FRC:

74 include ../../Makefile.targ
```

```

*****
1826 Wed Sep 19 23:19:31 2018
new/usr/src/cmd/hal/addons/cpufreq/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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27 PROG =          hald-addon-cpufreq
28 OBJS =          addon-cpufreq.o logger.o adt_data.o
29 SRCS =          addon-cpufreq.c ../../hald/logger.c ../../utils/adt_data.c

31 include ../../Makefile.cmd
32 include ../../Makefile.hal

34 ROOTCMDDIR =   $(ROOTLIB_HAL)

36 LDLIBS +=      -lc -ldbus-1 -lhal -lglib-2.0 -ldbus-glib-1 -lpolkit -lbsd
37 ADJUNCT_LIBS = libdbus-1.so libglib-2.0.so libdbus-glib-1.so
38 #endif /* ! codereview */

40 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
41 CPPFLAGS +=    -I$(ROOT)/usr/include/hal -I../../hald
42 CPPFLAGS +=    -I$(ROOT)/usr/include/libpolkit -g
43 CSTD =         $(CSTD_GNU99)

45 .KEEP_STATE:

47 all:$(PROG)

49 logger.o: ../../hald/logger.c
50     $(COMPILE.c) -o $@ ../../hald/logger.c
51     $(POST_PROCESS_O)

53 adt_data.o: ../../utils/adt_data.c
54     $(COMPILE.c) -o $@ ../../utils/adt_data.c
55     $(POST_PROCESS_O)

57 $(PROG): $(OBJS)
58     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
59     $(POST_PROCESS)

61 install: all $(ROOTCMD)

```

```

63 clean:
64     $(RM) $(OBJS)

66 FRC:

68 include ../../Makefile.targ

```

```

*****
2229 Wed Sep 19 23:19:31 2018
new/usr/src/cmd/hal/addons/network-devices/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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25 #

27 PROG =          hald-addon-network-discovery
28 OBJS =          addon-network-discovery.o probe-snmpp.o snmp.o logger.o cache.o c

30 MANIFEST =     network-discovery.xml
31 SVCMETHOD =    svc-network-discovery

33 include ../../Makefile.cmd
34 include ../../Makefile.hal

36 ROOTMANIFESTDIR = $(ROOTSVCSNETWORK)
37 $(ROOTMANIFEST) := FILEMODE = 444
38 $(ROOTLIBSVCMETHOD)/$(SVCMETHOD) := FILEMODE = 555

40 ROOTCMDDIR =   $(ROOTLIB_HAL)

42 LDLIBS +=      -lc -ldbus-1 -lhal -lglib-2.0 -ldbus-glib-1
43 LDLIBS +=      -lnsl -lsocket
44 LDLIBS +=      $(ZIGNORE) -lnetsnmp
45 ADJUNCT_LIBS = libdbus-1.so libglib-2.0.so libdbus-glib-1.so libnetsnmp.so
46 #endif /* ! codereview */

48 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
49 CPPFLAGS +=    -I$(ROOT)/usr/include/hal -I../../hald -I../../utils
50 CSTD =         $(CSTD_GNU99)

52 .KEEP_STATE:

54 all: $(PROG)

56 probe-snmpp.o: ../../probing/network-printer/probe-snmpp.c
57     $(COMPILE.c) -o $@ ../../probing/network-printer/probe-snmpp.c
58     $(POST_PROCESS_O)

60 logger.o: ../../hald/logger.c
61     $(COMPILE.c) -o $@ ../../hald/logger.c

```

```

62     $(POST_PROCESS_O)

64 printer.o: ../../utils/printer.c
65     $(COMPILE.c) -o $@ ../../utils/printer.c
66     $(POST_PROCESS_O)

68 $(PROG): $(OBJS)
69     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
70     $(POST_PROCESS)

72 install: all $(ROOTCMD) $(ROOTMANIFEST) $(ROOTSVCMETHOD)

74 check: $(CHKMANIFEST)

76 clean:
77     $(RM) $(OBJS) $(PROG)

79 FRC:

81 include ../../Makefile.targ

```

```

*****
1573 Wed Sep 19 23:19:32 2018
new/usr/src/cmd/hal/addons/storage/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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26 PROG =          hald-addon-storage
27 OBJS =          addon-storage.o logger.o
28 SRCS =          addon-storage.c ../../hald/logger.c

30 include ../../Makefile.cmd
31 include ../../Makefile.hal

33 ROOTCMDDIR =    $(ROOTLIB_HAL)

35 LDLIBS +=       -lc -ldbus-1 -lhal -lnvpair -lsysevent
36 ADJUNCT_LIBS =  libdbus-1.so
37 #endif /* ! codereview */

39 CPPFLAGS +=     $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
40 CPPFLAGS +=     -I$(ROOT)/usr/include/hal -I../../hald
41 CSTD =          $(CSTD_GNU99)

43 .KEEP_STATE:

45 all: $(PROG)

47 logger.o: ../../hald/logger.c
48         $(COMPILE.c) -o $@ ../../hald/logger.c
49         $(POST_PROCESS_O)

51 $(PROG): $(OBJS)
52         $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
53         $(POST_PROCESS)

55 install: all $(ROOTCMD)

57 clean:
58         $(RM) $(OBJS)

60 FRC:

```

```
62 include ../../Makefile.targ
```

new/usr/src/cmd/hal/hald-runner/Makefile

1

1489 Wed Sep 19 23:19:32 2018

new/usr/src/cmd/hal/hald-runner/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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24 #

26 PROG =          hald-runner
27 OBJS =          main.o runner.o utils.o
28 SRCS =          $(OBJS:%.o=%.c)

30 include ../../Makefile.cmd
31 include ../Makefile.hal

33 ROOTCMDDIR =   $(ROOTLIB_HAL)

35 LDLIBS +=      -lc -ldbus-1 -ldbus-glib-1 -lglib-2.0
36 ADJUNCT_LIBS = libdbus-1.so libdbus-glib-1.so libglib-2.0.so
37 #endif /* ! codereview */

39 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
40 CPPFLAGS +=    -UDBUS_API_SUBJECT_TO_CHANGE
41 CSTD =         $(CSTD_GNU99)

43 .KEEP_STATE:

45 all: $(PROG)

47 $(PROG): $(OBJS)
48         $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
49         $(POST_PROCESS)

51 install: all $(ROOTCMD)

53 clean:
54         $(RM) $(OBJS)

56 FRC:

58 include ../../Makefile.targ
```

new/usr/src/cmd/hal/hald/Makefile

1

```
*****
2743 Wed Sep 19 23:19:32 2018
new/usr/src/cmd/hal/hald/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 SUBDIRS =      solaris

28 PROG =         hald
29 OBJS =         hald_marshal.o device.o device_info.o device_store.o hald.o \
30               hald_dbus.o hald_runner.o ids.o logger.o property.o util.o \
31               util_helper.o util_pm.o
32 OBJS_SOL =     devinfo.o devinfo_ieeel394.o devinfo_misc.o devinfo_pci.o devinf
33               devinfo_usb.o hotplug.o osspec.o sysevent.o devinfo_acpi.o \
34               devinfo_cpu.o
35 OBJS_ALL =    $(OBJS) $(OBJS_SOL:%=solaris/%)
36 SRCS =        $(OBJS:%.o=%.c)

38 include ../../Makefile.cmd
39 include ../Makefile.hal

41 ROOTCMDDIR =  $(ROOTLIB_HAL)

43 LDLIBS +=     -lc -lm -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lgobject-2.0 \
44               -ldevinfo -lsysevent -lnvpair -lkstat -lcfgadm
45 ADJUNCT_LIBS = libdbus-1.so libdbus-glib-1.so libglib-2.0.so libgobject-2.0.so

47 #endif /* ! codereview */

49 all install $(PROG) := LDLIBS += -lexpat
50 all install $(PROG) := ADJUNCT_LIBS += libexpat.so
51 #endif /* ! codereview */

53 CPPFLAGS +=  $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
54 CSTD =       $(CSTD_GNU99)

56 CLOBBERFILES += hald_marshal.c hald_marshal.h

58 all :=       TARGET= all
59 install :=   TARGET= install
60 clean :=     TARGET= clean
61 clobber :=   TARGET= clobber
```

new/usr/src/cmd/hal/hald/Makefile

2

```
62 $(PROG) :=    TARGET= all

64 .KEEP_STATE:

66 all: $(SUBDIRS) .WAIT $(PROG)

68 hald_marshal.o: hald_marshal.h hald_marshal.c

70 hald_marshal.h: hald_marshal.list
71                 glib-genmarshal --prefix=hald_marshal hald_marshal.list --header >> xgen
72                 && (cmp -s xgen-gmh hald_marshal.h || cp xgen-gmh hald_marshal.h) \
73                 && rm -f xgen-gmh xgen-gmh~

75 hald_marshal.c: hald_marshal.list
76                 glib-genmarshal --prefix=hald_marshal hald_marshal.list --body >> xgen-g
77                 && (cmp -s xgen-gmc hald_marshal.c || cp xgen-gmc hald_marshal.c) \
78                 && rm -f xgen-gmc xgen-gmc~

80 $(PROG): $(SUBDIRS) .WAIT $(OBJS_ALL)
81           $(LINK.c) -o $@ $(OBJS_ALL) $(LDLIBS)
82           $(POST_PROCESS)

84 install: all $(ROOTCMD) $(SUBDIRS)

86 clean: $(SUBDIRS)
87         $(RM) $(OBJS) $(OBJS_SOL)

89 $(SUBDIRS): FRC
90         @cd $@; pwd; $(MAKE) $(TARGET)

92 FRC:

94 include ../../Makefile.targ
```

```

*****
1789 Wed Sep 19 23:19:33 2018
new/usr/src/cmd/hal/probing/acpi/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #

26 PROG =          hald-probe-acpi
27 OBJS =          probe-acpi.o logger.o acpi.o util_pm.o
28 SRCS =          probe-acpi.c

30 include ../../Makefile.cmd
31 include ../../Makefile.hal

33 ROOTCMDDIR =    $(ROOTLIB_HAL)

35 LDLIBS +=       -lc -ldbus-1 -lhal -lglib-2.0
36 ADJUNCT_LIBS =  libdbus-1.so libglib-2.0.so
37 #endif /* ! codereview */

39 CPPFLAGS +=     $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS) $(HAL_GLIB_CPPFLAGS)
40 CPPFLAGS +=     -I$(ROOT)/usr/include/hal -I../../utils -I../../hald
41 CSTD =          $(CSTD_GNU99)

43 .KEEP_STATE:

45 all: $(PROG)

47 logger.o: ../../hald/logger.c
48     $(COMPILE.c) -o $@ ../../hald/logger.c
49     $(POST_PROCESS_O)

51 acpi.o: ../../utils/acpi.c
52     $(COMPILE.c) -o $@ ../../utils/acpi.c
53     $(POST_PROCESS_O)

55 util_pm.o: ../../hald/util_pm.c
56     $(COMPILE.c) -o $@ ../../hald/util_pm.c
57     $(POST_PROCESS_O)

59 $(PROG): $(OBJS)
60     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
61     $(POST_PROCESS)

```

```

63 install: all $(ROOTCMD)

65 clean:
66     $(RM) $(OBJS) $(PROG)

68 FRC:

70 include ../../Makefile.targ

```

```

*****
1736 Wed Sep 19 23:19:33 2018
new/usr/src/cmd/hal/probing/network-printer/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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27 PROG =          hald-probe-network-printer
28 OBJS =          probe-network-printer.o logger.o probe-snmp.o printer.o
29 SRCS =          probe-network-printer.c

31 include ../../../../Makefile.cmd
32 include ../../../../Makefile.hal

34 ROOTCMDDIR =   $(ROOTLIB_HAL)

36 LDLIBS +=      -lc -ldbus-1 -lhal
37 LDLIBS +=      $(ZIGNORE) -lnetsnmp
38 ADJUNCT_LIBS = libdbus-1.so libnetsnmp.so
39 #endif /* ! codereview */

41 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
42 CPPFLAGS +=    -I$(ROOT)/usr/include/hal -I../../utils -I../../hald
43 CSTD =          $(CSTD_GNU99)

45 .KEEP_STATE:

47 all: $(PROG)

49 logger.o: ../../hald/logger.c
50     $(COMPILE.c) -o $@ ../../hald/logger.c
51     $(POST_PROCESS_O)

53 printer.o: ../../utils/printer.c
54     $(COMPILE.c) -o $@ ../../utils/printer.c
55     $(POST_PROCESS_O)

57 $(PROG): $(OBJS)
58     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
59     $(POST_PROCESS)

61 install: all $(ROOTCMD)

```

```

63 clean:
64     $(RM) $(OBJS)

66 FRC:

68 include ../../../../Makefile.targ

```


new/usr/src/cmd/hal/probing/printer/Makefile

1

```
*****
1652 Wed Sep 19 23:19:34 2018
new/usr/src/cmd/hal/probing/printer/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 PROG =          hald-probe-printer
27 OBJS =          probe-printer.o logger.o printer.o
28 SRCS =          probe-printer.c

30 include ../../Makefile.cmd
31 include ../../Makefile.hal

33 ROOTCMDDIR =   $(ROOTLIB_HAL)

35 LDLIBS +=      -lc -ldbus-1 -lhal
36 ADJUNCT_LIBS = libdbus-1.so
37 #endif /* ! codereview */

39 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
40 CPPFLAGS +=    -I$(ROOT)/usr/include/hal -I../../utils -I../../hald
41 CSTD =         $(CSTD_GNU99)

43 .KEEP_STATE:

45 all: $(PROG)

47 logger.o: ../../hald/logger.c
48     $(COMPILE.c) -o $@ ../../hald/logger.c
49     $(POST_PROCESS_O)

51 printer.o: ../../utils/printer.c
52     $(COMPILE.c) -o $@ ../../utils/printer.c
53     $(POST_PROCESS_O)

55 $(PROG): $(OBJS)
56     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
57     $(POST_PROCESS)

59 install: all $(ROOTCMD)

61 clean:
```

new/usr/src/cmd/hal/probing/printer/Makefile

2

```
62     $(RM) $(OBJS)
64 FRC:
66 include ../../Makefile.targ
```

```

*****
1824 Wed Sep 19 23:19:34 2018
new/usr/src/cmd/hal/probing/storage/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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24 #

26 PROG =          hald-probe-storage
27 OBJS =          probe-storage.o cdutils.o fsutils.o logger.o
28 SRCS =          addon-storage.c

30 include ../../../../Makefile.cmd
31 include ../../../../Makefile.hal

33 ROOTCMDDIR =    $(ROOTLIB_HAL)

35 LDLIBS +=       -lc -ldbus-1 -lhal -ladm -lefi
36 ADJUNCT_LIBS =  libdbus-1.so
37 #endif /* ! codereview */

39 CPPFLAGS +=     -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
40 CPPFLAGS +=     $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
41 CPPFLAGS +=     -I$(ROOT)/usr/include/hal -I../../utils -I../../hald
42 CSTD =          $(CSTD_GNU99)

44 .KEEP_STATE:

46 all: $(PROG)

48 logger.o: ../../hald/logger.c
49     $(COMPILE.c) -o $@ ../../hald/logger.c
50     $(POST_PROCESS_O)

52 fsutils.o: ../../utils/fsutils.c
53     $(COMPILE.c) -o $@ ../../utils/fsutils.c
54     $(POST_PROCESS_O)

56 cdutils.o: ../../utils/cdutils.c
57     $(COMPILE.c) -o $@ ../../utils/cdutils.c
58     $(POST_PROCESS_O)

60 $(PROG): $(OBJS)
61     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)

```

```

62     $(POST_PROCESS)

64 install: all $(ROOTCMD)

66 clean:
67     $(RM) $(OBJS)

69 FRC:

71 include ../../../../Makefile.targ

```

```

*****
1838 Wed Sep 19 23:19:35 2018
new/usr/src/cmd/hal/probing/volume/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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26 PROG =          hald-probe-volume
27 OBJS =          probe-volume.o cdutils.o fsutils.o logger.o
28 SRCS =          probe-volume.c

30 include ../../Makefile.cmd
31 include ../../Makefile.hal

33 ROOTCMDDIR =    $(ROOTLIB_HAL)

35 LDLIBS +=       -lc -ldbus-1 -lhal -lfstyp -lnvpair -ladm -lefi
36 ADJUNCT_LIBS =  libdbus-1.so
37 #endif /* ! codereview */

39 CPPFLAGS +=     -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
40 CPPFLAGS +=     $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
41 CPPFLAGS +=     -I$(ROOT)/usr/include/hal -I../../utils -I../../hald
42 CSTD =          $(CSTD_GNU99)

44 .KEEP_STATE:

46 all: $(PROG)

48 logger.o: ../../hald/logger.c
49     $(COMPILE.c) -o $@ ../../hald/logger.c
50     $(POST_PROCESS_O)

52 fsutils.o: ../../utils/fsutils.c
53     $(COMPILE.c) -o $@ ../../utils/fsutils.c
54     $(POST_PROCESS_O)

56 cdutils.o: ../../utils/cdutils.c
57     $(COMPILE.c) -o $@ ../../utils/cdutils.c
58     $(POST_PROCESS_O)

60 $(PROG): $(OBJS)
61     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)

```

```

62     $(POST_PROCESS)

64 install: all $(ROOTCMD)

66 clean:
67     $(RM) $(OBJS)

69 FRC:

71 include ../../Makefile.targ

```

```

*****
1531 Wed Sep 19 23:19:35 2018
new/usr/src/cmd/hal/probing/xkb/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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25 #

27 PROG =          hald-probe-xkb
28 OBJS =          probe-xkb.o logger.o
29 SRCS =          probe-xkb.c

31 include ../../../../Makefile.cmd
32 include ../../../../Makefile.hal

34 ROOTCMDDIR =   $(ROOTLIB_HAL)

36 LDLIBS +=      -lc -ldbus-1 -lhal
37 ADJUNCT_LIBS = libdbus-1.so
38 #endif /* ! codereview */

40 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
41 CPPFLAGS +=    -I$(ROOT)/usr/include/hal -I../../hald
42 CSTD =         $(CSTD_GNU99)

44 .KEEP_STATE:

46 all: $(PROG)

48 logger.o: ../../hald/logger.c
49     $(COMPILE.c) -o $@ ../../hald/logger.c
50     $(POST_PROCESS_O)

52 $(PROG): $(OBJS)
53     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
54     $(POST_PROCESS)

56 install: all $(ROOTCMD)

58 clean:
59     $(RM) $(OBJS) $(PROG)

61 FRC:

```

```
63 include ../../../../Makefile.targ
```

new/usr/src/cmd/hal/tools/Makefile

1

```
*****
5500 Wed Sep 19 23:19:36 2018
new/usr/src/cmd/hal/tools/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 SUBDIR = sunos

28 HAL_PROG = hal-device hal-find-by-capability hal-find-by-property \
29 hal-get-property hal-set-property lshal

31 HAL_LIB = hal-is-caller-privileged

33 SCRIPT_BIN = hal-fdi-validate

35 SCRIPT_LIB = hal-system-lcd-set-brightness hal-system-lcd-get-brightness \
36 hal-system-power-hibernate hal-system-power-suspend \
37 hal-system-power-reboot hal-system-power-shutdown hal-functions

39 STORAGE_METHOD_PROG = hal-storage-closetray hal-storage-eject \
40 hal-storage-mount hal-storage-unmount \
41 hal-storage-zpool-export hal-storage-zpool-import

43 STORAGE_PROG = $(STORAGE_METHOD_PROG) \
44 hal-storage-cleanup-mountpoint \
45 hal-storage-cleanup-all-mountpoints

47 PROGSRCS = $(PROG:%=%.c) $(STORAGE_PROG:%=%.c)

50 STORAGE_OBJS = $(STORAGE_PROG:%=%.o)
51 STORAGE_SHAREDOBJS = hal-storage-shared.o adt_data.o
52 STORAGE_SHAREDSRCS = $(STORAGE_SHAREDOBJS:%.o=%.c) $(STORAGE_SHAREDOBJS:%.o=.

54 SRCS = $(PROGSRCS) $(STORAGE_SHAREDSRCS)

56 CLOBBERFILES += $(HAL_PROG) $(STORAGE_PROG) $(SCRIPT_BIN) $(SCRIPT_LIB) $(HAL_LI
57 CLEANFILES += $(STORAGE_SHAREDOBJS) $(STORAGE_OBJS) hal-storage-zpool.o

59 include ../../Makefile.cmd
60 include ../../Makefile.hal
```

new/usr/src/cmd/hal/tools/Makefile

2

```
62 $(HAL_PROG) := LDLIBS += -lc -ldbus-1 -lhal
63 $(HAL_PROG) := ADJUNCT_LIBS = libdbus-1.so
64 #endif /* ! codereview */

66 lshal := LDLIBS += -ldbus-glib-1 -lglib-2.0
67 lshal := ADJUNCT_LIBS = libdbus-glib-1.so libdbus-1.so libglib-2.
68 #endif /* ! codereview */

70 $(HAL_LIB) := LDLIBS += -lc -ldbus-1 -lpolkit $(ZIGNORE) -lglib-2.0
71 $(HAL_LIB) := ADJUNCT_LIBS = libdbus-1.so libglib-2.0.so
72 #endif /* ! codereview */

74 $(STORAGE_PROG) := LDLIBS += -lc -ldbus-1 -lglib-2.0 -lhal -lhal-storage -l
75 $(STORAGE_PROG) := ADJUNCT_LIBS = libdbus-1.so libglib-2.0.so
76 #endif /* ! codereview */

78 $(STORAGE_METHOD_PROG) := LDLIBS += -lpolkit

80 CPPFLAGS += $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
81 CPPFLAGS += -I$(ROOT)/usr/include/hal
82 CPPFLAGS += -I$(ROOT)/usr/include/libpolkit
83 CSTD = $(CSTD_GNU99)

85 ROOTUSRSRBINPROG = $(HAL_PROG:%=$(ROOTUSRSRBIN)/%) \
86 $(SCRIPT_BIN:%=$(ROOTUSRSRBIN)/%)

88 ROOTCMDDIR = $(ROOTLIB_HAL)
89 ROOTCMD = $(STORAGE_PROG:%=$(ROOTCMDDIR)/%) \
90 $(HAL_LIB:%=$(ROOTCMDDIR)/%) \
91 $(SCRIPT_LIB:%=$(ROOTCMDDIR)/%)

93 all := TARGET= all
94 install := TARGET= install
95 clean := TARGET= clean
96 clobber := TARGET= clobber

98 .KEEP_STATE:

100 all: $(HAL_PROG) $(STORAGE_PROG) $(SCRIPT_BIN) $(SCRIPT_LIB) $(HAL_LIB) $(SUBDIR
102 hal-storage-shared.o: hal-storage-shared.c
103 $(COMPILE.c) -o $@ hal-storage-shared.c

105 adt_data.o: ../utils/adt_data.c
106 $(COMPILE.c) -o $@ ../utils/adt_data.c

108 hal-storage-closetray: hal-storage-closetray.o $(STORAGE_SHAREDOBJS)
109 $(LINK.c) hal-storage-closetray.o $(STORAGE_SHAREDOBJS) -o $@ $(LDLIBS)
110 $(POST_PROCESS)

112 hal-storage-eject: hal-storage-eject.o $(STORAGE_SHAREDOBJS)
113 $(LINK.c) hal-storage-eject.o $(STORAGE_SHAREDOBJS) -o $@ $(LDLIBS)
114 $(POST_PROCESS)

116 hal-storage-mount: hal-storage-mount.o $(STORAGE_SHAREDOBJS)
117 $(LINK.c) hal-storage-mount.o $(STORAGE_SHAREDOBJS) -o $@ $(LDLIBS)
118 $(POST_PROCESS)

120 hal-storage-unmount: hal-storage-unmount.o $(STORAGE_SHAREDOBJS)
121 $(LINK.c) hal-storage-unmount.o $(STORAGE_SHAREDOBJS) -o $@ $(LDLIBS)
122 $(POST_PROCESS)

124 hal-storage-cleanup-mountpoint: hal-storage-cleanup-mountpoint.c \
125 $(STORAGE_SHAREDOBJS)
126 $(LINK.c) hal-storage-cleanup-mountpoint.c \
127 $(STORAGE_SHAREDOBJS) -o $@ $(LDLIBS)
```

```
128     $(POST_PROCESS)

130 hal-storage-cleanup-all-mountpoints: hal-storage-cleanup-all-mountpoints.c \
131     $(STORAGE_SHAREDOBJS)
132     $(LINK.c) hal-storage-cleanup-all-mountpoints.c \
133     $(STORAGE_SHAREDOBJS) -o $@ $(LDLIBS)
134     $(POST_PROCESS)

136 hal-storage-zpool-export: hal-storage-zpool.c $(STORAGE_SHAREDOBJS)
137     $(LINK.c) -o $@ $(STORAGE_SHAREDOBJS) -DZPOOL_SUBCMD=\"export\" hal-stor
138     $(POST_PROCESS)

140 hal-storage-zpool-import: hal-storage-zpool.c $(STORAGE_SHAREDOBJS)
141     $(LINK.c) -o $@ $(STORAGE_SHAREDOBJS) -DZPOOL_SUBCMD=\"import\" hal-stor
142     $(POST_PROCESS)

144 hal-device: hal-device.c
145     $(LINK.c) -o $@ hal-device.c $(LDLIBS)
146     $(POST_PROCESS)

148 hal-find-by-capability: hal_find_by_capability.c
149     $(LINK.c) -o $@ hal_find_by_capability.c $(LDLIBS)
150     $(POST_PROCESS)

152 hal-find-by-property: hal_find_by_property.c
153     $(LINK.c) -o $@ hal_find_by_property.c $(LDLIBS)
154     $(POST_PROCESS)

156 hal-get-property: hal_get_property.c
157     $(LINK.c) -o $@ hal_get_property.c $(LDLIBS)
158     $(POST_PROCESS)

160 hal-set-property: hal_set_property.c
161     $(LINK.c) -o $@ hal_set_property.c $(LDLIBS)
162     $(POST_PROCESS)

164 lshal: lshal.c
165     $(LINK.c) -o $@ lshal.c $(LDLIBS)
166     $(POST_PROCESS)

168 install: all $(ROOTUSRSBINPROG) $(ROOTCMD) $(SUBDIR)

170 clean: $(SUBDIR)
171     $(RM) $(CLEANFILES)

173 $(SUBDIR): FRC
174     @cd $@; pwd; $(MAKE) $(TARGET)

176 FRC:

178 include ../../Makefile.targ
```

new/usr/src/cmd/hal/tools/sunos/Makefile

1

1803 Wed Sep 19 23:19:36 2018

new/usr/src/cmd/hal/tools/sunos/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
1 #
2 # CDDL HEADER START
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14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
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16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #

26 HAL_PROGS =      hal-system-lcd-set-brightness-sunos \
27                 hal-system-lcd-get-brightness-sunos

29 HAL_SCRIPTS =    hal-system-power-reboot-sunos hal-system-power-suspend-sunos \
30                 hal-system-power-hibernate-sunos hal-system-power-shutdown-sunos

32 OBJS =           $(HAL_PROG:%=%o)

34 CLOBBERFILES += $(HAL_PROGS)

36 include ../../Makefile.cmd
37 include ../../Makefile.hal

39 $(HAL_PROGS) :=      LDLIBS += -lc $(ZIGNORE) -lglib-2.0
40 $(HAL_PROGS) :=      ADJUNCT_LIBS = libglib-2.0.so
41 #endif /* !codereview */

43 CPPFLAGS += $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS) $(HAL_CONFIG_CPPFLAGS)
44 CPPFLAGS += -I$(ROOT)/usr/include/hal
45 CPPFLAGS += -I$(ROOT)/usr/include/libpolkit
46 CSTD = $(CSTD_GNU99)

48 ROOTCMDDIR =       $(ROOTLIB_HAL)/sunos
49 ROOTCMD =          $(HAL_PROGS:%=$(ROOTCMDDIR)/%) \
50                   $(HAL_SCRIPTS:%=$(ROOTCMDDIR)/%)

52 .KEEP_STATE:

54 all: $(HAL_PROGS) $(HAL_SCRIPTS)

56 install: all $(ROOTCMD)

58 clean:
59     $(RM) $(OBJS) $(HAL_PROGS) $(HAL_SCRIPTS)

61 include ../../Makefile.targ
```

```

*****
1587 Wed Sep 19 23:19:37 2018
new/usr/src/cmd/isns/isnsadm/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #

26 PROG = isnsadm
27 SRCS = cmdparse.c isnsadm.c isnsadm_msg.c
28 OBJS = $(SRCS:%.c=%.o)

30 include ../../Makefile.cmd

32 LDLIBS += -lxml2 -lscf -lc
33 ADJUNCT_LIBS = libxml2.so
34 #endif /* ! codereview */
35 CFLAGS += $(CCVERBOSE)
36 CPPFLAGS += -I. -I$(ADJUNCT_PROTO)/usr/include/libxml2 -I../isnsd
37 POFILE = isnsadm_all.po
38 POFILES = $(OBJS:%.o=%.po)

40 LINTFLAGS += -xeroff=E_BAD_FORMAT_STR2

42 CERRWARN += -_gcc=-Wno-parentheses
43 CERRWARN += -_gcc=-Wno-uninitialized

45 .KEEP_STATE:

47 all: $(PROG)

49 clean:
50     $(RM) $(OBJS) $(PROG)

52 lint:    lint_SRCS

54 $(PROG): $(OBJS)
55     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
56     $(POST_PROCESS)

58 $(POFILE): $(POFILES)
59     $(RM) $@
60     $(CAT) $(POFILES) > $@

```

```

62 include ../../Makefile.targ
64 install: all .WAIT $(ROOTUSRSRBINPROG)

```



```

*****
2749 Wed Sep 19 23:19:37 2018
new/usr/src/cmd/isns/isnsd/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
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24 #

26 #
27 # Copyright (c) 2012 by Delphix. All rights reserved.
28 # Copyright 2017 Joyent, Inc.
29 #

31 PROG = isns

33 DSRC = isns_provider.d
34 DTRACE_HEADER = $(DSRC:%.d=%.h)

36 COBJS = main.o qry.o admintf.o dsapi.o log.o sched.o dseng.o scn.o cache.o
37 COBJS += dump.o msgq.o server.o config.o esi.o obj.o utils.o dd.o func.o
38 COBJS += pdu.o door.o htable.o
39 OBJS = $(COBJS) $(DSRC:%.d=%.o)
40 SRCS = $(COBJS:%.o=%.c)
41 POFILE= isns.po
42 POFILES = $(COBJS:%.o=%.po)

44 include ../../Makefile.cmd

46 DATA_STORE = xml
47 XML_DIR = xml_def
48 ISNS_SVC = $(XML_DIR)/isns_server.xml

50 MANIFEST = isns_server.xml
51 ROOTMANIFESTDIR = $(ROOTSVCNETWORK)
52 $(ROOTSVCNETWORK)/isns_server.xml := FILEMODE = 0444

54 CFLAGS += $(CCVERBOSE)
55 CPPFLAGS += -I./ -I$(ADJUNCT_PROTO)/usr/include/libxml2
56 CPPFLAGS += -DTARGET_DATA_STORE=$(DATA_STORE)
57 CPPFLAGS += -D_POSIX_PTHREAD_SEMANTICS
58 LINTFLAGS += -xerroff=E_BAD_PTR_CAST_ALIGN
59 LINTFLAGS += -xerroff=E_NAME_USED_NOT_DEF2
60 LINTFLAGS += -xerroff=E_CASE_FALLTHRU

```

```

62 CERRWARN += -_gcc=-Wno-char-subscripts
63 CERRWARN += -_gcc=-Wno-ignored-qualifiers
64 CERRWARN += -_gcc=-Wno-uninitialized
65 CERRWARN += -_gcc=-Wno-implicit-function-declaration

67 CLOBBERFILES += $(DTRACE_HEADER)

69 obj.o := CERRWARN += -erroff=E_CONST_OBJ_SHOULD_HAVE_INITIZR
70 obj.o := CERRWARN += -erroff=E_IMPLICIT_DECL_FUNC_RETURN_INT

72 LDLIBS += -lsecdb -lsocket -lnsl -lscf -lxml2
73 ADJUNCT_LIBS = libxml2.so
74 #endif /* ! codereview */

76 .KEEP_STATE:

78 all: $(PROG)

80 $(PROG): $(OBJS)
81 $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
82 $(POST_PROCESS)

84 %.h: %.d
85 $(DTRACE) -h -s $< -o $@

87 %.o: %.c $(DTRACE_HEADER)
88 $(COMPILE.c) $<
89 $(POST_PROCESS_O)

91 %.o: %.d $(COBJS)
92 $(COMPILE.d) -s $< $(COBJS)
93 $(POST_PROCESS_O)

95 clean:
96 $(RM) $(OBJS)

98 lint: lint_SRCS

100 $(POFILES): $(DTRACE_HEADER)

102 $(POFILE): $(POFILES)
103 $(RM) $@
104 $(CAT) $(POFILES) > $@

106 check: $(CHKMANIFEST)

108 include ../../Makefile.targ

110 install: all .WAIT $(ROOTSRBINPROG) $(ROOTMANIFEST)

```

```

*****
2311 Wed Sep 19 23:19:38 2018
new/usr/src/cmd/latencytop/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright (c) 2008-2009, Intel Corporation.
23 # All Rights Reserved.
24 #

26 PROG = latencytop
27 OBJS = latencytop.o display.o dwrapper.o klog.o stat.o table.o util.o
28 SRCS = $(OBJS:%.o=../common/%.c)

30 include ../../Makefile.cmd

32 CFLAGS += $(CCVERBOSE)
33 CFLAGS64 += $(CCVERBOSE)

35 CERRWARN += -_gcc=-Wno-uninitialized

37 CPPFLAGS += -DEMBED_CONFIGS -I$(ADJUNCT_PROTO)/usr/include/glib-2.0 \
38             -I$(ADJUNCT_PROTO)/usr/lib/glib-2.0/include
39 CSTD = $(CSTD_GNU99)
40 LDLIBS += -lcurses -ldtrace
41 all install      := LDLIBS += -lglib-2.0
42 all install      := ADJUNCT_LIBS = libglib-2.0.so
43 #endif /* ! codereview */

45 LINTFLAGS += -erroff=E_NAME_USED_NOT_DEF2
46 LINTFLAGS += -erroff=E_FUNC_RET_ALWAYS_IGNORE2
47 LINTFLAGS += -erroff=E_FUNC_RET_MAYBE_IGNORED2
48 LINTFLAGS64 += -erroff=E_NAME_USED_NOT_DEF2
49 LINTFLAGS64 += -erroff=E_FUNC_RET_ALWAYS_IGNORE2
50 LINTFLAGS64 += -erroff=E_FUNC_RET_MAYBE_IGNORED2

52 FILEMODE = 0555

54 ELFWRAP = elfwrap
55 WRAPOBJ = latencytop_wrap.o

57 CLEANFILES += $(OBJS) $(WRAPOBJ) ./latencytop_d ./latencytop_trans

59 .KEEP_STATE:

61 all: $(PROG)

```

```

63 install:      $(SUBDIRS)
64              -$(RM) $(ROOTPROG)
65              -$(LN) $(ISAEXEC) $(ROOTPROG)

67 $(PROG): $(OBJS) $(WRAPOBJ)
68          $(LINK.c) -o $@ $(OBJS) $(WRAPOBJ) $(LDLIBS)
69          $(POST_PROCESS)

71 $(WRAPOBJ): latencytop_d latencytop_trans
72          $(ELFWRAP) $(WRAPOPT) -o $(WRAPOBJ) latencytop_d latencytop_trans

74 latencytop_d:
75          cp ../common/latencytop.d ./latencytop_d

77 latencytop_trans:
78          cp ../common/latencytop.trans ./latencytop_trans

80 clean:
81          $(RM) $(CLEANFILES)

83 lint:      lint_SRCS

85 %.o: ../common/%.c
86          $(COMPILE.c) $<

88 include ../../Makefile.targ

```

```

*****
2032 Wed Sep 19 23:19:38 2018
new/usr/src/cmd/lp/filter/postscript/font/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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19 #
20 # CDDL HEADER END
21 #
22 #
23 # ident "%Z%M% %I% %E% SMI"
24 #
25 # Copyright 1989-2002 Sun Microsystems, Inc. All rights reserved.
26 # Use is subject to license terms.
27 #
28 # cmd/lp/filter/postscript/font/Makefile
29 #

29 include                ../../../../Makefile.lp

31 PROG =                  makedev

33 SRCS =                  makedev.c

35 OBJS =                  $(SRCS:%.c=%.o)

37 SUBDIRS =              devpost

39 COMMONDIR =             ../common
40 ROOTLIBFONT =           $(ROOTLIB)/font
41 ROOTLIBFONTPROG =       $(PROG:%=$(ROOTLIBFONT)/%)

43 CPPFLAGS =              -I$(COMMONDIR) $(CPPFLAGS.master)

45 POFILE =                lp_filter_postscript_font.po

47 NATIVEDIR =             native
48 NATIVEPROG =             $(NATIVEDIR)/$(PROG)
49 $(NATIVEPROG) :=        CC=$(NATIVECC)
50 $(NATIVEPROG) :=        LDLIBS=
51 $(NATIVEPROG) :=        CPPFLAGS.master=
52 $(NATIVEPROG) :=        LDFLAGS= -Bdirect
53 $(NATIVEPROG) :=        NATIVE_LIBS=libc.so
54 #endif /* ! codereview */

56 .KEEP_STATE:

58 all :                   $(PROG) $(NATIVEPROG) $(SUBDIRS)

```

```

60 install :               $(PROG) $(ROOTLIBFONTPROG) $(SUBDIRS)

62 clean :                  $(SUBDIRS)
63                          $(RM) $(OBJS)

65 clobber :                $(SUBDIRS) clean
66                          $(RM) $(PROG) $(NATIVEPROG) $(CLOBBERFILES)

68 strip:                   $(STRIP) $(PROG)
69

71 lint:                    $(LINT.c) $(SRCS)
72

74 include                  ../../Makefile.msg

76 $(NATIVEPROG) :          $(NATIVEDIR) $(SRCS)
77                          $(LINK.c) -o $@ $(SRCS) $(LDLIBS)

79 $(NATIVEDIR) :           -@mkdir -p $@
80

82 $(ROOTLIBFONT)/%:        %
83                          $(INS.file)

85 $(PROG) :                 $(SRCS)
86                          $(LINK.c) -o $@ $(SRCS) $(LDLIBS)
87                          $(POST_PROCESS)

89 $(SUBDIRS):              FRC
90                          @cd $@; pwd; $(MAKE) $(TARGET)

92 FRC:

```

```

*****
1607 Wed Sep 19 23:19:38 2018
new/usr/src/cmd/mandoc/Makefile.common
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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10 #
11 #
12 #
13 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
14 # Copyright 2017 Nexenta Systems, Inc.
15 # Copyright 2018, Joyent, Inc.
16 #
17 #
18 PROG=          mandoc
19 #
20 OBJS=          att.o          \
21                chars.o       \
22                dba.o          \
23                dba_array.o    \
24                dba_read.o     \
25                dba_write.o    \
26                dbm.o          \
27                dbm_map.o      \
28                eqn.o          \
29                eqn_html.o     \
30                eqn_term.o     \
31                html.o         \
32                lib.o          \
33                main.o         \
34                man.o          \
35                manpath.o      \
36                man_html.o     \
37                man_macro.o    \
38                man_term.o     \
39                man_validate.o \
40                mandoc.o       \
41                mandoc_aux.o   \
42                mandoc_ohash.o \
43                mandoc_xr.o    \
44                mandocdb.o     \
45                mansearch.o    \
46                mdoc.o         \
47                mdoc_argv.o    \
48                mdoc_html.o    \
49                mdoc_macro.o   \
50                mdoc_man.o     \
51                mdoc_markdown.o \
52                mdoc_state.o   \
53                mdoc_term.o    \
54                mdoc_validate.o \
55                msec.o         \
56                out.o          \
57                read.o         \
58                roff.o         \
59                roff_html.o    \
60                roff_term.o    \
61                roff_validate.o \

```

```

62                precon.v.o     \
63                st.o           \
64                tag.o          \
65                tbl.o          \
66                tbl_data.o     \
67                tbl_html.o     \
68                tbl_layout.o   \
69                tbl_opts.o     \
70                tbl_term.o     \
71                term.o         \
72                term_ascii.o   \
73                term_ps.o     \
74                term_tab.o     \
75                tree.o
76 #
77 OBJS +=        compat_ohash.o
78 #
79 # XXX gcc 4.4.4 false positive
80 roff.o :=      CERRWARN += -_gcc=-Wno-uninitialized
81 #
82 CFLAGS +=     $(CC_VERBOSE)
83 CSTD=         $(CSTD_GNU99)
84 #
85 CPPFLAGS +=   -DOSNAME=\"illumos\" -D_FILE_OFFSET_BITS=64
86 #
87 LDLIBS +=     -lz
88 ADJUNCT_LIBS += libz.so
89 #endif /* !codereview */

```

new/usr/src/cmd/mdb/intel/amd64/dtrace/Makefile

1

1410 Wed Sep 19 23:19:39 2018

new/usr/src/cmd/mdb/intel/amd64/dtrace/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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21 #
22 #
23 # Copyright 2005 Sun Microsystems, Inc. All rights reserved.
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25 #
26 #ident "%Z%M% %I% %E% SMI"

27 MODULE = dtrace.so
28 MDBTGT = kvm

30 MODSRCS = dtrace.c dof.c dof_names.c

32 include ../../../../Makefile.cmd
33 include ../../../../Makefile.cmd.64
34 include ../../Makefile.amd64
35 include ../../../../Makefile.module

37 MODULE_BUILD_TYPE = mdb
38 MODSRCS_DIR = ../../../../common/modules/dtrace

40 CPPFLAGS += -I$(SRC)/uts/i86pc
41 LDLIBS += -ldtrace -lm
42 CLEANFILES += dof_names.c

44 dof_names.c: $(MODSRCS_DIR)/mkdof.sh $(SRC)/uts/common/sys/dtrace.h
45 sh $(MODSRCS_DIR)/mkdof.sh < $(SRC)/uts/common/sys/dtrace.h > $@
```

```

*****
1709 Wed Sep 19 23:19:39 2018
new/usr/src/cmd/mdb/tools/setdynflag/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
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27 .KEEP_STATE:

29 PROG = setdynflag

31 SRCS = \
32     die.c \
33     findscn.c \
34     setdynflag.c
35 OBJS = $(SRCS:%.c=%.o)

37 include ../../../../Makefile.cmd
38 include ../../common/Makefile.util

40 #
41 # We're going to run this as part of the build, so we want it to use the
42 # running kernel's includes and libraries.
43 #
44 CPPFLAGS = -I../../common
45 CFLAGS += $(CCVERBOSE)
46 CERRWARN += -_gcc=-Wno-uninitialized
47 LDFLAGS =
48 LDLIBS = -lelf
49 LDFLAGS += -Bdirect
50 NATIVE_LIBS = libelf.so libc.so
51 #endif /* ! codereview */

53 LINTFILES = $(SRCS:%.c=%.ln)

55 install all: $(PROG)

57 clobber clean:
58     $(RM) $(OBJS) $(LINTFILES) $(PROG)

60 lint: $(LINTFILES)
61     $(LINT) $(LINTFLAGS) $(LINTFILES) $(LDLIBS)

```

```

63 $(PROG): $(OBJS)
64     $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
65     $(POST_PROCESS)

67 %.o: ../common/%.c
68     $(COMPILE.c) $<
69     $(POST_PROCESS_0)

71 %.ln: ../common/%.c
72     $(LINT.c) -c $<

```

```

*****
2788 Wed Sep 19 23:19:40 2018
new/usr/src/cmd/awk/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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25 #

27 include      ../Makefile.cmd

29 PROG =        oawk
30 LINKPROG =    awk

32 SRCS =        b.c lib.c main.c parse.c run.c tran.c

34 #TXTS =       README EXPLAIN

36 OBJS =        awk.g.o awk.lx.o proctab.o tmptoken.o      \
37               $(SRCS:%.c=%.o)

39 #
40 # for message catalogue
41 #
42 POFILES=      $(OBJS:%.o=%.po)
43 POFILE=       oawk.po
44 XGETFLAGS +=  -a -x oawk.xcl

46 NATIVEDIR =   native
47 MAKEPRCTAB =  $(NATIVEDIR)/makeprctab

49 NATIVEOBJS =  $(NATIVEDIR)/makeprctab.o $(NATIVEDIR)/tmptoken.o
50 $(MAKEPRCTAB) :=      CC = $(NATIVECC)
51 $(MAKEPRCTAB) :=      POST_PROCESS=
52 $(MAKEPRCTAB) :=      POST_PROCESS_O=
53 $(MAKEPRCTAB) :=      NATIVE_LIBS = libc.so
54 #endif /* ! codereview */

56 CLEANFILES =  proctab.c y.tab.h y.tab.c awk.h awk.g.c      \
57               tmptoken.c awk.lx.c $(NATIVEOBJS) $(MAKEPRCTAB) \
58               temp

60 YFLAGS =      -d
53 XLDLIBS5CC += -lm

```

```

61 LDLIBS +=     -lm
62 CPPFLAGS =    -I. $(CPPFLAGS.master)
63 CPPFLAGS +=   -D_FILE_OFFSET_BITS=64

65 ROOTLINK =    $(LINKPROG:%=$(ROOTBIN)/%)

67 CERRWARN +=   -_gcc=-Wno-implicit-function-declaration
68 CERRWARN +=   -_gcc=-Wno-unused-label
69 CERRWARN +=   -_gcc=-Wno-unused-variable
70 CERRWARN +=   -_gcc=-Wno-extra
71 CERRWARN +=   -_gcc=-Wno-parentheses

73 .KEEP_STATE :

75 all :         $(PROG) $(TXTS)

77 $(PROG) :     $(OBJS)
78               $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
79               $(POST_PROCESS)

81 $(POFILE):   $(POFILES)
82               $(RM) $@
83               $(CAT) $(POFILES) > $@

85 awk.g.c + awk.h :      awk.g.y
86                       $(RM) awk.g.c awk.h
87                       $(YACC.y) awk.g.y
88                       $(MV) y.tab.c awk.g.c
89                       $(MV) y.tab.h awk.h

91 awk.lx.c:     awk.lx.l
92               $(LEX.l) -w awk.lx.l > awk.lx.c

94 tmptoken.c :  tokenscript token.c
95               $(RM) $@
96               ed - < tokenscript

98 proctab.c :   $(MAKEPRCTAB)
99               $(RM) $@
100              $(MAKEPRCTAB) > $@

102 $(MAKEPRCTAB) : $(NATIVEDIR) $(NATIVEOBJS)
103                 $(LINK.c) $(NATIVEOBJS) -o $@
104                 $(LINK.c) $(NATIVEOBJS) -o $@ $(XLDLIBS5CC)

105 install :    all $(ROOTPROG) $(ROOTLINK)

107 $(NATIVEDIR) :
108               -@mkdir -p $(NATIVEDIR)

110 $(NATIVEDIR)/%.o :      %.c
111                       $(COMPILE.c) -o $@ $<

113 $(ROOTLINK) :          $(ROOTPROG)
114                       $(RM) $@; $(LN) $(ROOTPROG) $@

116 clean:
117               $(RM) $(OBJS) $(CLEANFILES)

119 lint :          lint_SRCS

121 strip:
122               $(STRIP) $(PROG)

124 include        ../Makefile.targ

```

new/usr/src/cmd/picl/plugins/common/piclevent/Makefile

1

3027 Wed Sep 19 23:19:40 2018

new/usr/src/cmd/picl/plugins/common/piclevent/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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24 #

26 LIBRARY=      libpiclevent.a
27 VERS=         .1

29 OBJECTS=      piclevent.o

31 # include library definitions
32 include $(SRC)/lib/Makefile.lib

34 include $(SRC)/cmd/picl/plugins/Makefile.com

36 MODULES = picl_slm.so
37 MOD_SRCS = picl_slm.c
38 MOD_OBJS = picl_slm.o
39 MOD_LDLIBS = -L$(ROOT)/usr/lib -lsysevent -lnvpair -lc

41 # sysevent SLM dirs
42 SYSEVENT = sysevent
43 MODDIR = modules
44 ROOTLIBSYSEVENTDIR = $(ROOTLIB)/$(SYSEVENT)
45 ROOTLIBSYSEVENTMODDIR = $(ROOTLIBSYSEVENTDIR)/$(MODDIR)
46 ROOTLIBSYSEVENTMODULES = $(MODULES:%=$(ROOTLIBSYSEVENTMODDIR)/%)
47 ROOTETCSYSEVENTDIR = $(ROOTETC)/$(SYSEVENT)

49 SRCS=         $(OBJECTS:%.o=%.c)

51 LIBS =        $(DYNLIB)

53 ROOTLIBDIR =  $(USR_LIB_PLUGINDIR)
54 ROOTETC =     $(ROOT)/etc
55 ROOTLIB =     $(ROOT)/usr/lib

57 CLEANFILES=  $(LINTOUT) $(LINTLIB) $(MOD_OBJS)
58 CLOBBERFILES += $(LIBLINKS)
59 CLOBBERFILES += $(MODULES)

61 CPPFLAGS +=  -I$(SRC)/lib/libsysevent -I$(SRC)/uts/sun
```

new/usr/src/cmd/picl/plugins/common/piclevent/Makefile

2

```
63 CFLAGS +=     $(CVERBOSE) $(C_PICFLAGS)
64 CPPFLAGS +=   -D_REENTRANT
65 LDLIBS +=     -L$(SRC)/lib/libsysevent -L$(SRC)/lib/libpicltree/$(MACH)
66 LDLIBS =      -lc -lpicltree -lnvpair
67 LDFLAGS +=    -Bdirect
68 #endif /* ! codereview */

70 LINTFLAGS +=  -L$(SRC)/lib/libpicltree/$(MACH) -lpicltree

72 .KEEP_STATE:

74 SUBDIRS=

76 POFILE= piclevent.po

78 all :=        TARGET= all
79 install :=    TARGET= install
80 clean :=      TARGET= clean
81 clobber :=    TARGET= clobber
82 lint :=       TARGET= lint
83 _msg :=       TARGET= _msg

85 all: $(LIBS) $(LIBLINKS) $(MODULES)

87 install:      $(ROOTLIBDIR) all $(ROOTLIBS) $(ROOTLINKS) \
88               $(ROOTETCSYSEVENTDIR) \
89               $(ROOTLIBSYSEVENTDIR) \
90               $(ROOTLIBSYSEVENTMODDIR) \
91               $(ROOTLIBSYSEVENTMODULES)

93 _msg: $(MSGDOMAIN) $(POFILE)
94       $(RM) $(MSGDOMAIN)/$(POFILE)
95       $(CP) $(POFILE) $(MSGDOMAIN)

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

101 $(LIBLINKS):  FRC
102               $(RM) $@; $(SYMLINK) $(DYNLIB) $@

104 # include library targets
105 include $(SRC)/cmd/picl/plugins/Makefile.targ
106 include $(SRC)/lib/Makefile.targ

108 lint :
109         $(LINT.c) $(SRCS)

111 %.so: %.o
112         $(LINK.c) -o $@ $(GSHARED) -h $@ $< $(MOD_LDLIBS)

114 %.o: %.c
115         $(COMPILE.c) -o $@ $<

117 $(SUBDIRS): FRC
118         @cd $@; pwd; $(MAKE) $(TARGET)

120 $(ROOTLIBSYSEVENTDIR):
121         $(INS.dir)

123 $(ROOTETCSYSEVENTDIR):
124         $(INS.dir)

126 $(ROOTLIBSYSEVENTDIR)/%: %
127         $(INS.file)
```



```
129 $(ROOTLIBSYSEVENTMODDIR):  
130     $(INS.dir)  
  
132 $(ROOTLIBSYSEVENTMODDIR)/%.so: %.so  
133     $(INS.file)  
  
135 FRC:
```

new/usr/src/cmd/policykit/Makefile

1

1545 Wed Sep 19 23:19:41 2018

new/usr/src/cmd/policykit/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

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24 #

26 PROG = polkit-is-privileged

28 SRCS = $(PROG:%=%.c)

30 include ../Makefile.cmd
31 include $(SRC)/lib/policykit/Makefile.policykit

33 LDLIBS += -lpolkit $(POLICYKIT_GLIB_LDLIBS)
34 ADJUNCT_LIBS += $(POLICYKIT_GLIB_EXTERNS)
35 #endif /* ! codereview */

37 CPPFLAGS += -I$(ROOT)/usr/include/libpolkit
38 CPPFLAGS += $(POLICYKIT_DBUS_CPPFLAGS) $(POLICYKIT_GLIB_CPPFLAGS)
39 CPPFLAGS += -DPACKAGE_VERSION=\"$(POLICYKIT_VERSION)\"
40 CSTD = $(CSTD_GNU99)

42 CERRWARN += -_gcc=-Wno-unused-variable
43 CERRWARN += -_gcc=-Wno-unused-function

45 ROOTUSRSBINPROG = $(PROG:%=$(ROOTUSRSBIN)/%)

47 .KEEP_STATE:

49 all: $(PROG)

51 install: all $(ROOTUSRSBINPROG)

53 clean:
54 $(RM) $(CLEANFILES)

56 FRC:

58 include ../Makefile.targ
```

```

*****
5914 Wed Sep 19 23:19:41 2018
new/usr/src/cmd/rcm_daemon/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
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24 # Copyright 2016 Nexenta Systems, Inc.
25 #
26 #
27 include ../../Makefile.cmd
28 #
29 COMMON = ../common
30 #
31 RCM_SRC = \
32     $(COMMON)/rcm_event.c \
33     $(COMMON)/rcm_main.c \
34     $(COMMON)/rcm_impl.c \
35     $(COMMON)/rcm_subr.c \
36     $(COMMON)/rcm_lock.c \
37     $(COMMON)/rcm_script.c
38 #
39 RCM_OBJ = \
40     rcm_event.o \
41     rcm_main.o \
42     rcm_impl.o \
43     rcm_subr.o \
44     rcm_lock.o \
45     rcm_script.o
46 #
47 COMMON_MOD_SRC = \
48     $(COMMON)/filesystem_rcm.c \
49     $(COMMON)/dump_rcm.c \
50     $(COMMON)/swap_rcm.c \
51     $(COMMON)/network_rcm.c \
52     $(COMMON)/vlan_rcm.c \
53     $(COMMON)/vnic_rcm.c \
54     $(COMMON)/ibpart_rcm.c \
55     $(COMMON)/aggr_rcm.c \
56     $(COMMON)/ip_rcm.c \
57     $(COMMON)/cluster_rcm.c \
58     $(COMMON)/pool_rcm.c \
59     $(COMMON)/mpxio_rcm.c \
60     $(COMMON)/ip_anon_rcm.c \
61     $(COMMON)/bridge_rcm.c

```

```

63 sparc_MOD_SRC = $(COMMON)/ttymux_rcm.c
64 #
65 COMMON_PERL_SCRIPT_SRC =
66 #
67 sparc_PERL_SCRIPT_SRC = SUNW,vdevices.pl
68 #
69 COMMON_SHELL_SCRIPT_SRC = SUNW,ibsdpu.sh \
70     SUNW,rdsv3u.sh
71 #
72 COMMON_MOD_OBJ = \
73     filesystem_rcm.o \
74     dump_rcm.o \
75     swap_rcm.o \
76     network_rcm.o \
77     vlan_rcm.o \
78     vnic_rcm.o \
79     ibpart_rcm.o \
80     aggr_rcm.o \
81     ip_rcm.o \
82     cluster_rcm.o \
83     pool_rcm.o \
84     mpxio_rcm.o \
85     ip_anon_rcm.o \
86     bridge_rcm.o
87 #
88 sparc_MOD_OBJ = ttymux_rcm.o
89 #
90 RCM_DAEMON = rcm_daemon
91 #
92 COMMON_RCM_MODS = \
93     SUNW_filesys_rcm.so \
94     SUNW_dump_rcm.so \
95     SUNW_swap_rcm.so \
96     SUNW_network_rcm.so \
97     SUNW_vlan_rcm.so \
98     SUNW_vnic_rcm.so \
99     SUNW_ibpart_rcm.so \
100    SUNW_aggr_rcm.so \
101    SUNW_ip_rcm.so \
102    SUNW_cluster_rcm.so \
103    SUNW_pool_rcm.so \
104    SUNW_mpxio_rcm.so \
105    SUNW_ip_anon_rcm.so \
106    SUNW_bridge_rcm.so
107 #
108 sparc_RCM_MODS = SUNW_ttymux_rcm.so
109 #
110 RCM_DIR = rcm
111 MOD_DIR = modules
112 SCRIPT_DIR = scripts
113 #
114 CLOBBERFILES += $(COMMON_RCM_MODS) $($ (MACH)_RCM_MODS) $(RCM_DAEMON)
115 #
116 LINT_MODULES = $(COMMON_MOD_SRC:.c=.ln) $($ (MACH)_MOD_SRC:.c=.ln)
117 #
118 CPPFLAGS += -I..
119 CPPFLAGS += -D_POSIX_PTHREAD_SEMANTICS -D_REENTRANT
120 CFLAGS += $(CCVERBOSE) $(C_PICFLAGS)
121 #
122 CERRWARN += -_gcc=-Wno-parentheses
123 CERRWARN += -_gcc=-Wno-unused-label
124 CERRWARN += -_gcc=-Wno-uninitialized
125 CERRWARN += -_gcc=-Wno-unused-function
126 #
127 MAPFILES = ../common/mapfile-intf $(MAPFILE.NGB)

```

```

128 rcm_daemon := LDFLAGS += $(MAPFILES:%=-M%)
130 LINTFLAGS += -u -erroff=E_FUNC_ARG_UNUSED

132 #
133 # All of the module plugins leverage the LDLIBS_MODULES, but not LDLIBS. As such
134 # we define a base set for all modules that we know they need due to -zguidance
135 # and only append extra libraries that individual modules need.
136 #
137 LDLIBS_MODULES = -L$(ROOT)/lib -L$(ROOT)/usr/lib -lc -lrcm
138 SUNW_pool_rcm.so := LDLIBS_MODULES += -lpool -lnvpair
139 SUNW_svm_rcm.so := LDLIBS_MODULES += -lmeta
140 SUNW_network_rcm.so := LDLIBS_MODULES += -ldladm -lnvpair -ldevinfo
141 SUNW_vlan_rcm.so := LDLIBS_MODULES += -ldladm -lnvpair
142 SUNW_vnic_rcm.so := LDLIBS_MODULES += -ldladm -lnvpair
143 SUNW_ibpart_rcm.so := LDLIBS_MODULES += -ldladm -lnvpair
144 SUNW_aggr_rcm.so := LDLIBS_MODULES += -ldladm -lnvpair
145 SUNW_ip_rcm.so := LDLIBS_MODULES += -linetutil -ldladm -lipmp -lipadm -lnvpair \
146     -lgen -lsocket
147 SUNW_ip_anon_rcm.so := LDLIBS_MODULES += -linetutil -lnsl
148 SUNW_bridge_rcm.so := LDLIBS_MODULES += -ldladm -lnvpair
149 SUNW_mpxio_rcm.so := LDLIBS_MODULES += -ldevinfo
132 LDLIBS_MODULES =
133 SUNW_pool_rcm.so := LDLIBS_MODULES += -L$(ROOT)/usr/lib -lpool
134 SUNW_network_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -ldladm
135 SUNW_vlan_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -ldladm
136 SUNW_vnic_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -ldladm
137 SUNW_ibpart_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -ldladm
138 SUNW_aggr_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -ldladm
139 SUNW_ip_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -linetutil -ldladm -lipmp -lip
140 SUNW_ip_anon_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -linetutil
141 SUNW_bridge_rcm.so := LDLIBS_MODULES += -L$(ROOT)/lib -ldladm

151 LDLIBS += -lrcm -lnvpair
143 LDLIBS += -lgen -lself -lrcm -lnvpair -ldevinfo -lnsl -lsocket

153 SRCS = $(RCM_SRC) $(COMMON_MOD_SRC)

155 POFILES = $(SRCS:.c=.po)
156 POFILE = prcm_daemon.po

158 PERL_SCRIPTS = $(COMMON_PERL_SRC) $(MACH)_PERL_SCRIPT_SRC
159 SHELL_SCRIPTS = $(COMMON_SHELL_SCRIPT_SRC)
160 RCM_SCRIPTS = $(PERL_SCRIPTS) $(SHELL_SCRIPTS)

162 # install specifics

164 ROOTLIB_RCM = $(ROOTLIB)/$(RCM_DIR)
165 ROOTLIB_RCM_MOD = $(ROOTLIB_RCM)/$(MOD_DIR)
166 ROOTLIB_RCM_DAEMON = $(RCM_DAEMON:%=$(ROOTLIB_RCM)/%)
167 ROOTLIB_RCM_MODULES = $(COMMON_RCM_MODS:%=$(ROOTLIB_RCM_MOD)/%) \
168     $(MACH)_RCM_MODS:%=$(ROOTLIB_RCM_MOD)/%
169 ROOTLIB_RCM_SCRIPT = $(ROOTLIB_RCM)/$(SCRIPT_DIR)
170 ROOTLIB_RCM_SCRIPTS = $(RCM_SCRIPTS:%=$(ROOTLIB_RCM_SCRIPT)/%)
171 ROOTETC_RCM = $(ROOTETC)/$(RCM_DIR)
172 ROOTETC_RCM_SCRIPT = $(ROOTETC_RCM)/$(SCRIPT_DIR)

174 all := TARGET= all
175 install := TARGET= install
176 clean := TARGET= clean
177 clobber := TARGET= clobber
178 lint := TARGET= lint

180 $(ROOTLIB_RCM_SCRIPTS) := FILEMODE = 555

182 .KEEP_STATE:

```

```

184 all: $(RCM_DAEMON) $(COMMON_RCM_MODS) $(MACH)_RCM_MODS

186 install: all \
187     $(ROOTLIB_RCM) \
188     $(ROOTLIB_RCM_DAEMON) \
189     $(ROOTLIB_RCM_MOD) \
190     $(ROOTLIB_RCM_MODULES) \
191     $(ROOTLIB_RCM_SCRIPT) \
192     $(ROOTETC_RCM) \
193     $(ROOTETC_RCM_SCRIPT) \
194     $(ROOTLIB_RCM_SCRIPTS)

196 clean:
197     $(RM) $(RCM_OBJ) $(COMMON_MOD_OBJ) $(MACH)_MOD_OBJ $(POFILES)

199 lint: $(RCM_DAEMON).ln $(LINT_MODULES)

201 $(RCM_DAEMON).ln: FRC
202     $(LINT.c) $(RCM_SRC) $(LDLIBS)

204 %.ln: FRC
205     $(LINT.c) $(RCM_SRC) $(@:.ln=.c) $(LDLIBS)

207 FRC:

209 include ../../Makefile.targ

211 $(POFILE): $(POFILES)
212     $(RM) $@; cat $(POFILES) > $@

214 $(RCM_DAEMON): $(RCM_OBJ) $(MAPFILES)
215     $(LINK.c) -o $@ $< $(RCM_OBJ) $(LDLIBS)
216     $(POST_PROCESS)

218 SUNW_%.so: %.o
219     $(LINK.c) -o $@ $(GSHARED) -h $@ $< $(LDLIBS_MODULES)

221 %.o: $(COMMON)/%.c
222     $(COMPILE.c) -o $@ $<

224 $(ROOTLIB_RCM):
225     $(INS.dir)

227 $(ROOTLIB_RCM)/%: %
228     $(INS.file)

230 $(ROOTLIB_RCM_MOD):
231     $(INS.dir)

233 $(ROOTLIB_RCM_MOD)/%: %
234     $(INS.file)

236 $(ROOTLIB_RCM_SCRIPT):
237     $(INS.dir)

239 $(ROOTETC_RCM):
240     $(INS.dir)

242 $(ROOTETC_RCM_SCRIPT):
243     $(INS.dir)

245 $(ROOTLIB_RCM_SCRIPT)/%: $(COMMON)/%
246     $(INS.file)

```

new/usr/src/cmd/rmmount/Makefile

1

2320 Wed Sep 19 23:19:42 2018

new/usr/src/cmd/rmmount/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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20 #
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24 #

26 PROG = rmmount
27 LOCAL_OBJS = rmmount.o
28 RMVOLMGR_OBJS = rmm_common.o vold.o
29 OBJS = $(LOCAL_OBJS) $(RMVOLMGR_OBJS)
30 LOCAL_SRCS = $(LOCAL_OBJS:%.o=%.c)
31 RMVOLMGR_SRCS = $(RMVOLMGR_OBJS:%.o=$(SRC)/cmd/rmvолmgr/%.c)
32 SRCS = $(LOCAL_SRCS) $(RMVOLMGR_SRCS)

34 include $(SRC)/cmd/Makefile.cmd
35 include $(SRC)/cmd/hal/Makefile.hal

37 LDLIBS += -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lhal -lhal-storage \
38 -lcontract
39 ADJUNCT_LIBS = libdbus-1.so libdbus-glib-1.so libglib-2.0.so
37 LDLIBS += -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lhal -lhal-storage -lcontract

41 CPPFLAGS += $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS)
42 CPPFLAGS += -I$(ROOT)/usr/include/hal
43 CPPFLAGS += -I$(SRC)/cmd/rmvолmgr
44 CSTD = $(CSTD_GNU99)

46 CERRWARN += -_gcc=-Wno-switch
47 CERRWARN += -_gcc=-Wno-unused-variable
48 CERRWARN += -_gcc=-Wno-parentheses
49 CERRWARN += -_gcc=-Wno-unused-function
50 CERRWARN += -_gcc=-Wno-uninitialized

52 .KEEP_STATE:

54 all: $(PROG)

56 $(PROG): $(OBJS)
57 $(LINK.c) -o $(PROG) $(OBJS) $(LDLIBS)
58 $(POST_PROCESS)

60 install: all $(ROOTPROG)
```

new/usr/src/cmd/rmmount/Makefile

2

```
61 -$(RM) $(ROOT)/usr/bin/rmmount
62 -$(RM) $(ROOT)/usr/sbin/rmmount
63 -$(SYMLINK) ./rmmount $(ROOT)/usr/bin/rmmount
64 -$(SYMLINK) ../bin/rmmount $(ROOT)/usr/sbin/rmmount

66 rmm_common.o: $(SRC)/cmd/rmvолmgr/rmm_common.c $(SRC)/cmd/rmvолmgr/rmm_common.h
67 $(COMPILE.c) -o $@ $(SRC)/cmd/rmvолmgr/rmm_common.c
68 $(POST_PROCESS_O)

70 vold.o: $(SRC)/cmd/rmvолmgr/vold.c $(SRC)/cmd/rmvолmgr/vold.h
71 $(COMPILE.c) -o $@ $(SRC)/cmd/rmvолmgr/vold.c
72 $(POST_PROCESS_O)

74 clean:
75 $(RM) $(OBJS)

77 include ../Makefile.targ
```

```

*****
2034 Wed Sep 19 23:19:42 2018
new/usr/src/cmd/rmvolmgr/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #

26 PROG =          rmvolmgr
27 OBJS =          rmm_common.o rmvolmgr.o vold.o
28 SRCS =          $(OBJS:%.o=%.c)

30 MANIFEST =      rmvolmgr.xml
31 SVCMETHOD =     svc-rmvolmgr

33 include ../Makefile.cmd
34 include ../hal/Makefile.hal

36 POFILE=rmvolmgr_all.po
37 POFILES=$(OBJS:%.o=%.po)

39 LDLIBS +=       -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lhal -lhal-storage \
40                -lcontract -lscf
41 ADJUNCT_LIBS =  libdbus-1.so libdbus-glib-1.so libglib-2.0.so
39 LDLIBS +=       -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lhal -lhal-storage -lcontract

43 CPPFLAGS +=     $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS)
44 CPPFLAGS +=     -I$(ROOT)/usr/include/hal
45 CSTD =          $(CSTD_GNU99)

47 CERRWARN +=     -_gcc=-Wno-switch
48 CERRWARN +=     -_gcc=-Wno-uninitialized
49 CERRWARN +=     -_gcc=-Wno-unused-variable
50 CERRWARN +=     -_gcc=-Wno-parentheses
51 CERRWARN +=     -_gcc=-Wno-unused-function

53 ROOTCMDDIR =    $(ROOTLIB)
54 ROOTMANIFESTDIR = $(ROOTSVCSYSTEMFILESYSYSTEM)
55 $(ROOTMANIFEST) := FILEMODE = 444
56 $(ROOTLIBSVCMETHOD)/svc-rmvolmgr:= FILEMODE = 555

58 .KEEP_STATE:

60 all: $(PROG)

```

```

62 $(PROG): $(OBJS)
63          $(LINK.c) -o $(PROG) $(OBJS) $(LDLIBS)
64          $(POST_PROCESS)

66 install: all $(ROOTCMD) $(ROOTMANIFEST) $(ROOTSVCMETHOD)

68 clean:
69          $(RM) $(OBJS)

71 check: $(CHKMANIFEST)

73 $(POFILE): $(POFILES)
74          $(RM) $@
75          $(CAT) $(POFILES) > $@

77 include ../Makefile.targ

```

```

*****
2425 Wed Sep 19 23:19:43 2018
new/usr/src/cmd/sendmail/src/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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19 # CDDL HEADER END
20 #

22 # Copyright (c) 2011 Gary Mills

24 #
25 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
26 # Use is subject to license terms.
27 #
28 # cmd/sendmail/src/Makefile
29 #

31 PROG=    sendmail

33 include    ../../Makefile.cmd
34 include    ../Makefile.cmd

36 OBJS= alias.o arpadate.o bf.o collect.o conf.o control.o convtime.o daemon.o \
37        deliver.o domain.o envelope.o err.o headers.o macro.o main.o map.o \
38        mci.o milter.o mime.o parseaddr.o queue.o ratectrl.o readcf.o \
39        recipient.o sasl.o savemail.o sfsasl.o sm_resolve.o srvsmtpt.o stab.o \
40        stats.o sysexits.o tls.o trace.o udb.o usersmtpt.o util.o version.o

42 SRCS=    $(OBJS:%.o=%.c)

44 MAPFILES = $(MAPFILE.INT) $(MAPFILE.NGB)
45 LDFLAGS += $(MAPFILES:%=-M%)

47 LDLIBS +=    ../libsmutil/libsmutil.a ../libsm/libsm.a -lresolv -lsocket \
48             -lnsl ../db/libdb.a -lldap -lsldap -lwrap -lumem \
49             -lssl -lcrypto -lsasl
50 ADJUNCT_LIBS = libssl.so libcrypto.so
51 #endif /* ! codereview */

53 INCPATH=    -I. -I../include -I../db

55 ENVDEF=    -DNETINET6 -DTCPPWRAPPERS -DSTARTTLS -DSASL=20115
56 SUNENVDEF= -DSUN_EXTENSIONS -DVENDOR_DEFAULT=VENDOR_SUN \
57            -DSUN_INIT_DOMAIN -DSUN_SIMPLIFIED_LDAP -D_FFR_LOCAL_DAEMON \
58            -D_FFR_MAIL_MACRO

60 CPPFLAGS = $(INCPATH) $(ENVDEF) $(SUNENVDEF) $(DBMDEF) $(CPPFLAGS.sm)

```

```

62 FILEMODE=    2555

64 ROOTSYMLINKS= $(ROOTLIBSMTPSM)/newaliases

66 # build rule
67 #

69 .KEEP_STATE:
70 all:          $(PROG)

72 .PARALLEL:    $(OBJS)

74 $(PROG):      $(OBJS) $(MAPFILES) \
75             ../libsmutil/libsmutil.a ../libsm/libsm.a ../db/libdb.a
76             $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
77             $(POST_PROCESS)

79 install:      $(ROOTLIBSMTPSM)/sendmail $(ROOTSYMLINKS)

81 $(ROOTSYMLINKS):
82             $(RM) $@; $(SYMLINK) sendmail $@

84 clean:
85             $(RM) $(PROG) $(OBJS)

87 lint:        lint_SRCS

89 include       ../../Makefile.targ

```

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

1

2364 Wed Sep 19 23:19:43 2018

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

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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24 #
25 #
26 PROG= elfdump
27 #
28 include $(SRC)/cmd/Makefile.cmd
29 include $(SRC)/cmd/sgs/Makefile.com
30 #
31 COMOBJ = main.o corenote.o \
32 dwarf.o struct_layout.o \
33 struct_layout_i386.o struct_layout_amd64.o \
34 struct_layout_sparc.o struct_layout_sparcv9.o
35 #
36 COMOBJ32 = elfdump32.o fake_shdr32.o
37 #
38 COMOBJ64 = elfdump64.o fake_shdr64.o
39 #
40 TOOLOBJ = lebl28.o
41 #
42 BLTOBJ = msg.o
43 #
44 OBJS= $(BLTOBJ) $(COMOBJ) $(COMOBJ32) $(COMOBJ64) $(TOOLOBJ)
45 #
46 MAPFILE= $(MAPFILE.NGB)
47 MAPOPT= $(MAPFILE:%=-M%)
48 #
49 CPPFLAGS= -I. -I../common -I../include -I../include/$(MACH) \
50 -I$(SRCBASE)/lib/libc/inc -I$(SRCBASE)/uts/$(ARCH)/sys \
51 $(CPPFLAGS.master) -I$(ELFCAP)
52 LLDFLAGS = $(VAR_ELF_DUMP_LLDFLAGS)
53 LLDFLAGS64 = $(VAR_ELF_DUMP_LLDFLAGS64)
54 LDFLAGS += $(VERSREF) $(CC_USE_PROTO) $(MAPOPT) $(LLDFLAGS)
55 LDLIBS += $(ELFLIBDIR) -lelf $(LDDBG_LIBDIR) $(LDDBG_LIB) \
56 $(CONVLIBDIR) $(CONV_LIB)
57 #
58 NATIVE_LDFLAGS = $(LDCHECKS) -Bdirect -zassert-deflib=libc.so
59 #endif /* !codereview */
60 #
61 LINTFLAGS += -x
```

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

2

```
62 LINTFLAGS64 += -x
63 #
64 CERRWARN += -_gcc=-Wno-uninitialized
65 #
66 BLTDEFS = msg.h
67 BLTDATA = msg.c
68 BLTMESG = $(SGSMSGDIR)/elfdump
69 #
70 BLTFILES = $(BLTDEFS) $(BLTDATA) $(BLTMESG)
71 #
72 SGMSGCOM = ../common/elfdump.msg
73 SGMSGTARG = $(SGMSGCOM)
74 SGMSGALL = $(SGMSGCOM)
75 SGMSGFLAGS += -h $(BLTDEFS) -d $(BLTDATA) -m $(BLTMESG) -n elfdump_msg
76 #
77 SRCS = $(COMOBJ:%.o=../common/%.c) \
78 $(COMOBJ32:%32.o=../common/%.c) \
79 $(TOOLOBJ:%.o=../tools/common/%.c) $(BLTDATA)
80 LINTSRCS = $(SRCS) ../common/lintsup.c
81 #
82 CLEANFILES += $(LINTOUTS) $(BLTFILES) gen_struct_layout
```


new/usr/src/cmd/sgs/ld/i386/Makefile

1

```
*****
1021 Wed Sep 19 23:19:43 2018
new/usr/src/cmd/sgs/ld/i386/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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19 #
20 # CDDL HEADER END
21 #
22 #
23 #ident "%Z%M% %I% %E% SMI"
24 #
25 # Copyright (c) 1996 by Sun Microsystems, Inc.
26 # All rights reserved.
27 #
28 include      ../Makefile.com
29
30 native :=    NATIVE_LIBS= libc.so
31 native :=    LDFLAGS += -Bdirect
32 #endif /* ! codereview */
33
34 .KEEP_STATE:
35
36 include      ../Makefile.targ
```

```

*****
3671 Wed Sep 19 23:19:44 2018
new/usr/src/cmd/sgs/link_audit/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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20 #
21 #
22 #
23 # Copyright (c) 1996, 2010, Oracle and/or its affiliates. All rights reserved.
24 #
25 #
26 include      ../../../../lib/Makefile.lib
27 include      ../../Makefile.com
28 #
29 NO_ASM_WARN= -erroff=E_ASM_DISABLES_OPTIMIZATION
30 #
31 TRUSSLIB=    truss.so.1
32 TRUSSSRC=    truss.c
33 #
34 SYMBINDREP=  symbindrep.so.1
35 SYMBINDREPSRC=  symbindrep.c
36 #
37 PERFLIB=    perfcnt.so.1
38 PERFSRC=    perfcnt.c hash.c
39 #
40 WHOLIB=     who.so.1
41 WHOSRC=     who.c
42 #
43 BINDLIB=    bindings.so.1
44 BINDSRC=    bindings.c
45 #
46 ONSCRIPTS=  perfcnt symbindrep
47 ONPROGS=    dumpbind
48 ONLIBS=     $(SYMBINDREP) $(PERFLIB) $(BINDLIB)
49 #
50 USRSCRIPTS= sotruss whocalls
51 CCSLIBS=    $(TRUSSLIB) $(WHOLIB)
52 #
53 PICDIR=     pics
54 OBJDIR=     objs
55 #
56 TRUSSPICS=  $(TRUSSSRC:%.c=$(PICDIR)/%.o) $(PICDIR)/env.o
57 PERFPICS=   $(PERFSRC:%.c=$(PICDIR)/%.o) $(PICDIR)/env.o
58 WHOPICS=    $(WHOSRC:%.c=$(PICDIR)/%.o) $(PICDIR)/env.o
59 SYMBINDREPPICS= $(SYMBINDREPSRC:%.c=$(PICDIR)/%.o) $(PICDIR)/env.o
60 BINDPICS=   $(BINDSRC:%.c=$(PICDIR)/%.o) $(PICDIR)/env.o

```

```

62 $(WHOPICS):= SEMANTICCHK=
63 #
64 LDLIBS +=    $(CONVLIBDIR) $(CONV_LIB)
65 #
66 $(TRUSSLIB):= PICS = $(TRUSSPICS)
67 $(PERFLIB):=  PICS = $(PERFPICS)
68 $(WHOLIB):=  PICS = $(WHOPICS)
69 $(SYMBINDREP):= PICS = $(SYMBINDREPPICS)
70 $(BINDLIB):= PICS = $(BINDPICS)
71 #
72 $(TRUSSLIB):= LDLIBS += $(ZRECORD) -lmapmalloc -lc
73 $(PERFLIB):=  LDLIBS += $(ZRECORD) -lmapmalloc -lc
74 $(WHOLIB):=  LDLIBS += $(ELFLIBDIR) -lelf $(ZRECORD) -lmapmalloc $(DLLIB) -lc
75 $(SYMBINDREP):= LDLIBS += $(ZRECORD) -lmapmalloc -lc
76 $(BINDLIB):=  LDLIBS += $(ZRECORD) -lmapmalloc -lc
77 #
78 $(TRUSSLIB):= SONAME = $(TRUSSLIB)
79 $(PERFLIB):=  SONAME = $(PERFLIB)
80 $(WHOLIB):=  SONAME = $(WHOLIB)
81 $(SYMBINDREP):= SONAME = $(SYMBINDREP)
82 $(BINDLIB):=  SONAME = $(BINDLIB)
83 #
84 $(TRUSSLIB):= MAPFILES = ../common/mapfile-vers-truss
85 $(PERFLIB):=  MAPFILES = ../common/mapfile-vers-perfcnt
86 $(WHOLIB):=  MAPFILES = ../common/mapfile-vers-who
87 $(SYMBINDREP):= MAPFILES = ../common/mapfile-vers-symbindrep
88 $(BINDLIB):=  MAPFILES = ../common/mapfile-vers-bindings
89 #
90 $(ONPROGS):=  LDFLAGS += -Bdirect
91 #endif /* ! codereview */
92 #
93 $(ROOTCCSLIB) :=      DIRMODE =      755
94 #
95 CPPFLAGS +=    -D_REENTRANT
96 LDFLAGS +=     $(CC_USE_PROTO)
97 DYNFLAGS +=    $(VERSREF)
98 #
99 LINTFLAGS +=   -uaxs $(LDLIBS)
100 LINTFLAGS64 += -uaxs $(LDLIBS)
101 #
102 CLEANFILES += $(LINTOUT) $(OBJDIR)/* $(PICDIR)/*
103 CLOBBERFILES += $(ONSCRIPTS) $(ONPROGS) $(ONLIBS) $(CCSLIBS) $(USRSCRIPTS)
104 #
105 ROOTONLDLIB=   $(ROOT)/opt/SUNWorld/lib
106 ROOTONLDLIBS= $(ONLIBS:%=$(ROOTONLDLIB)/%)
107 ROOTONLDLIB64= $(ROOTONLDLIB)/$(MACH64)
108 ROOTONLDLIBS64= $(ONLIBS:%=$(ROOTONLDLIB64)/%)
109 #
110 ROOTONLDBIN=   $(ROOT)/opt/SUNWorld/bin
111 ROOTONLDBINPROG= $(ONSCRIPTS:%=$(ROOTONLDBIN)/%) \
112                $(ONPROGS:%=$(ROOTONLDBIN)/%)
113 #
114 ROOTCCSLIB=    $(ROOT)/usr/lib/link_audit
115 ROOTCCSLIB64= $(ROOT)/usr/lib/link_audit/$(MACH64)
116 ROOTCCSLIBS=  $(CCSLIBS:%=$(ROOTCCSLIB)/%)
117 ROOTCCSLIBS64= $(CCSLIBS:%=$(ROOTCCSLIB64)/%)
118 #
119 ROOTUSRBIN=    $(ROOT)/usr/bin
120 ROOTUSRBIN=    $(USRSCRIPTS:%=$(ROOTUSRBIN)/%)
121 #
122 FILEMODE=     0755
123 #
124 .PARALLEL:    $(LIBS) $(PROGS) $(SCRIPTS) $(TRUSSPICS) $(PERFPICS) \
125                $(WHOPICS) $(SYMBINDREPPICS) $(BINDPICS)

```

```

*****
1955 Wed Sep 19 23:19:44 2018
new/usr/src/cmd/sgs/tools/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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25 #
26 #
27 #
28 # Makefile to support tools used for linker development:
29 #
30 # o sgsmsg creates message headers/arrays/catalogs (a native tool).
31 #
32 # Note, these tools are not part of the product.
33 #
34 # cmd/sgs/tools/Makefile.com
35 #
36 include $(SRC)/cmd/Makefile.cmd
37 #
38 include $(SRC)/cmd/sgs/Makefile.com
39 #
40 SGSPROTO= ../../proto/$(MACH)
41 #
42 COMOBS=
43 #
44 NATOBS= piglatin.o
45 #
46 OBJECTS= $(COMOBS) $(NATOBS)
47 NATIVECC_CFLAGS = -O
48 NATIVE_LDFLAGS = $(LDCHECKS) -zassert-deflib=libc.so -Bdirect
49 #endif /* ! codereview */
50 #
51 AVLOBJ= avl.o
52 TOOL_OBJS= sgsmsg.o string_table.o findprime.o assfail.o
53 SGSMMSG_OBJS= $(TOOL_OBJS) $(AVLOBJ)
54 SGSMMSG_SRCS= $(TOOL_OBJS:.o=../common/%.c) \
55 $(AVLOBJ:.o=$(VAR_AVLDIR)/%.c)
56 #
57 $(SGSMMSG_OBJS) := NATIVE_CFLAGS += -I../include $(VAR_TOOLS_CPPFLAGS)
58 #
59 PROGS= $(COMOBS:%.o=%)
60 NATIVE= $(NATOBS:%.o=%) sgsmsg
61 SRCS= $(COMOBS:%.o=../common/%.c) $(NATOBS:%.o=../common/%.c)

```

```

63 CPPFLAGS += $(VAR_TOOLS_CPPFLAGS)
64 LDFLAGS += $(CC_USE_PROTO)
65 CLEANFILES += $(LINTOUT) $(SGSMMSG_OBJS)
66 LINTFLAGS= -ax
67 #
68 ROOTDIR= $(ROOT)/opt/SUNWorld
69 ROOTPROGS= $(PROGS:%=$(ROOTDIR)/bin/%)
70 #
71 FILEMODE= 0755

```

new/usr/src/cmd/sgs/tools/Makefile.targ

1

1942 Wed Sep 19 23:19:45 2018

new/usr/src/cmd/sgs/tools/Makefile.targ

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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26 #

29 $(ROOTDIR)/bin/%: %
30     $(INS.file)

32 $(ROOTDIR)/lib/%: %
33     $(INS.file)

35 sgsmmsg: $(SGSMMSG_OBJS)
36     $(NATIVECC) $(DEBUG) $(NATIVE_CFLAGS) \
37     -o $@ $(SGSMMSG_OBJS)

39 sgsmmsg.o: ../common/sgsmmsg.c
40     $(NATIVECC) $(DEBUG) $(NATIVE_CFLAGS) -c ../common/sgsmmsg.c

42 string_table.o: ../common/string_table.c
43     $(NATIVECC) $(DEBUG) $(NATIVE_CFLAGS) -c \
44     ../common/string_table.c

46 avl.o: $(VAR_AVLDIR)/avl.c
47     $(NATIVECC) $(DEBUG) $(NATIVE_CFLAGS) -c \
48     $(VAR_AVLDIR)/avl.c

50 piglatin: ../common/piglatin.c
51     $(NATIVECC) $(NATIVECC_CFLAGS) $(NATIVE_LDFLAGS) -o $@ ../common
51     $(NATIVECC) $(NATIVE_CFLAGS) -o $@ ../common/piglatin.c

53 %: %.o
54     $(LINK.c) -o $@ $< $(LDLIBS)
55     $(POST_PROCESS)

57 %.o: ../common/%.c
58     $(COMPILE.c) -o $@ $<
59     $(POST_PROCESS_O)
```

new/usr/src/cmd/sgs/tools/Makefile.targ

2

```
61 catalog: sgsmmsg

63 clobber: clean
64     $(RM) $(PROGS) $(NATIVE) $(CLOBBERFILES)

66 clean:
67     $(RM) $(OBJECTS) $(CLEANFILES)

69 lint:
70     @ echo "piglatin.c:" >> $(LINTOUT)
71     $(LINT.c) ../common/piglatin.c -lc >> $(LINTOUT) 2>&1
72     @ echo "sgsmmsg" >> $(LINTOUT)
73     $(LINT.c) $(SGSMMSG_SRCS) -lc >> $(LINTOUT) 2>&1
```

new/usr/src/cmd/smbstrv/smbstat/Makefile

1

1088 Wed Sep 19 23:19:45 2018

new/usr/src/cmd/smbstrv/smbstat/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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23 #

25 PROG=   smbstat
26 SRCS=   smbstat.c

28 include ../../Makefile.cmd

30 OBJS=   $(SRCS:%.c=%.o)

32 include ../Makefile.smbstrv.defs

34 LDLIBS += -lkstat -lm -lumem

36 #endif /* ! codereview */
37 include ../Makefile.smbstrv.targ
38 include ../../Makefile.targ
```

new/usr/src/cmd/spell/Makefile

1

```
*****
3916 Wed Sep 19 23:19:46 2018
new/usr/src/cmd/spell/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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27 HASHPROG=      hashmk1 spellin1
28 SHPROG=        spell compress
29 HASHTAB=       hlista hlistb hstop
30 BINPROG=       spellprog spellin hashmake hashcheck
31 PROG=          $(SHPROG) $(BINPROG) $(HASHPROG) $(HASHTAB) spellhist

33 SPELLPROGSRC=  spellprog.c hash.c hashlook.c huff.c
34 SPELLPROGOBJ=  $(SPELLPROGSRC:%.c=%o)

36 SPELLINSRC=    spellin.c huff.c
37 SPELLINOBJ=    $(SPELLINSRC:%.c=%o)

39 HASHCHECKSRC=  hashcheck.c hash.c huff.c
40 HASHCHECKOBJ=  $(HASHCHECKSRC:%.c=%o)

42 HASHMAKESRC=   hashmake.c hash.c
43 HASHMAKEOBJ=   $(HASHMAKESRC:%.c=%o)

45 SRCS= $(SPELLPROGSRC) spellin.c hashcheck.c hashmake.c
46 OBJS= $(SRCS:%.c=%o)

48 WORDS= american british local list extra stop
49 TXTS=  compress.sh spell.sh

51 include ../Makefile.cmd

53 CFLAGS += $(CCVERBOSE)
54 CERRWARN += -_gcc=-Wno-parentheses

56 XGETFLAGS += -a -x spell.xcl

58 CLOBBERFILES += htemp1 htemp2

60 ROOTSPELLED = $(ROOTLIB)/spell
61 ROOTVARADMD = $(ROOT)/var/adm
```

new/usr/src/cmd/spell/Makefile

2

```
62 ROOTDIRS= $(ROOTSPELLED)

64 BIN= spell
65 SPELLF= spellprog hashmake hashcheck spellin hstop hlistb hlista compress
66 VARADMF= spellhist

68 ROOTBIN= $(BIN:%=$(ROOTBIN)/%)
69 ROOTSPELLEF = $(SPELLEF:%=$(ROOTSPELLED)/%)
70 ROOTVARADMF = $(VARADMF:%=$(ROOTVARADMD)/%)

72 HASHFILEMODE = 0644
73 $(ROOTSPELLED)/hstop $(ROOTSPELLED)/hlistb \
74 $(ROOTSPELLED)/hlista := FILEMODE = 0644
75 $(ROOTVARADMF) := FILEMODE = 0666

77 #
78 # The native versions of these share targets with the target ones. Because of
79 # that it is important that we override these variables. For example, LDLIBS
80 # will add in the default LDLIBS.cmd which means that we'll link against the
81 # wrong versions of libc.
82 #
83 #endif /* ! codereview */
84 spellin1 hashmk1 := CC = $(NATIVECC)
85 spellin1 hashmk1 := POST_PROCESS =
86 spellin1 hashmk1 := CPPFLAGS =
87 spellin1 hashmk1 := LDFLAGS = -Bdirect
88 spellin1 hashmk1 := NATIVE_LIBS = libc.so
89 spellin1 hashmk1 := LDLIBS =
77 spellin1 hashmk1 := LDFLAGS =

91 $(ROOTSPELLED)/% $(ROOTVARADMD)/% : %
92     $(INS.file)

94 .KEEP_STATE:

96 all:    $(PROG) $(TXTS)

98 spellprog:          $(SPELLPROGOBJ)
99                   $(LINK.c) $(SPELLPROGOBJ) -o $@ $(LDLIBS)
100                   $(POST_PROCESS)

102 spellin spellin1:  $(SPELLINOBJ)
103                   $(LINK.c) $(SPELLINOBJ) -o $@ $(LDLIBS)
104                   $(POST_PROCESS)

106 spellhist:
107                   $(ECHO) '\c' > spellhist

109 hashcheck:         $(HASHCHECKOBJ)
110                   $(LINK.c) $(HASHCHECKOBJ) -o $@ $(LDLIBS)
111                   $(POST_PROCESS)

113 hashmake hashmk1:  $(HASHMAKEOBJ)
114                   $(LINK.c) $(HASHMAKEOBJ) -o $@ $(LDLIBS)
115                   $(POST_PROCESS)

117 htemp1: list local extra hashmk1
118     $(RM) $@; cat list local extra | $(SH_) ./hashmk1 > $@

120 hlista: american $(HASHPROG) htemp1
121     $(RM) htemp2; ./hashmk1 <american |sort -u - htemp1 > htemp2
122     $(RM) $@; ./spellin1 'wc htemp2|sed -n 's/([^\ ])' .*\/l/p'' < htemp2 > $@
123     $(RM) htemp2

125 hlistb: british $(HASHPROG) htemp1
126     $(RM) htemp2; ./hashmk1 <brish |sort -u - htemp1 > htemp2
```

new/usr/src/cmd/spell/Makefile

3

```
127      $(RM) $@; ./spellinl `wc htemp2|sed -n 's/\([^ ]\) */\1/p`<htemp2 >$@
128      $(RM) htemp2

130 hstop: stop $(HASHPROG)
131      $(RM) htemp2; ./hashmk1 <stop | sort -u >htemp2
132      $(RM) $@; ./spellinl `wc htemp2|sed -n 's/\([^ ]\) */\1/p`<htemp2 >$@
133      $(RM) htemp2

135 install: all $(ROOTDIRS) $(ROOTBINF) $(ROOTSPELLF) $(ROOTVARADMF)

137 $(ROOTDIRS):
138      $(INS.dir)

140 lint:    lint_SRCS

142 clean:
143      $(RM) $(OBJS)

145 include ../Makefile.targ
```

new/usr/src/cmd/svc/configd/Makefile

1

3325 Wed Sep 19 23:19:46 2018

new/usr/src/cmd/svc/configd/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

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26 #
```

```
28 MYPROG = svc.configd
29 MYOBS = \
30     backend.o \
31     configd.o \
32     client.o \
33     file_object.o \
34     maindoor.o \
35     object.o \
36     rc_node.o \
37     snapshot.o
```

```
39 PROG = $(MYPROG)
40 OBS = $(MYOBS)
```

```
42 SRCS = $(MYOBS:%.o=%.c)
```

```
44 include ../../Makefile.cmd
45 include ../../Makefile.ctf
```

```
47 NATIVE_BUILD=$(POUND_SIGN)
48 $(NATIVE_BUILD)PROG = $(MYPROG:%=-native)
49 $(NATIVE_BUILD)OBS = $(MYOBS:%.o=-native.o)
```

```
51 ROOTCMDDIR= $(ROOT)/lib/svc/bin
```

```
53 MYCPPFLAGS = -I. -I../common -I../../common/svc \
54     -I$(ROOT)/usr/include/sqlite-sys -D_REENTRANT
55 CPPFLAGS += $(MYCPPFLAGS)
56 CFLAGS += $(CCVERBOSE)
57 CERRWARN += -_gcc=-Wno-parentheses
58 CERRWARN += -_gcc=-Wno-type-limits
59 CERRWARN += -_gcc=-Wno-unused-label
60 CERRWARN += -_gcc=-Wno-unused-variable
61 CERRWARN += -_gcc=-Wno-unused-function
```

new/usr/src/cmd/svc/configd/Makefile

2

```
62 CERRWARN += -_gcc=-Wno-uninitialized
63 MYDLIBS = -lumem -luutil
64 LDLIBS += -lsecdb -lbsm $(MYDLIBS)
65 LINTFLAGS += -errtags -erroff=E_BAD_FORMAT_ARG_TYPE2 -erroff=E_NAME_DEF_NOT_USED
```

```
67 CLOBBERFILES += $(MYPROG:%=-native)

69 LIBUTIL = $(SRC)/lib/libuutil
70 LIBSCF = $(SRC)/lib/libscf

72 SCRIPTFILE = restore_repository
73 ROOTSCRIPTFILE = $(ROOTCMDDIR)/$(SCRIPTFILE)
```

```
75 #
76 # Native variant (used in ../seed)
77 #
78 $(NATIVE_BUILD)CC = $(NATIVECC)
79 $(NATIVE_BUILD)LD = $(NATIVELD)
80 $(NATIVE_BUILD)CFLAGS = $(NATIVE_CFLAGS)
81 $(NATIVE_BUILD)CPPFLAGS = $(MYCPPFLAGS) -I$(LIBUTIL)/common -I$(LIBSCF)/inc
82 $(NATIVE_BUILD)CPPFLAGS += -DNATIVE_BUILD
83 $(NATIVE_BUILD)LDFLAGS += -Bdirect
84 $(NATIVE_BUILD)NATIVE_LIBS = libumem.so libbsm.so libc.so
85 $(NATIVE_BUILD)LDFLAGS =
86 $(NATIVE_BUILD)LDLIBS = -L$(ADJUNCT_PROTO)/usr/lib -R$(ADJUNCT_PROTO)/usr/lib \
    -L$(LIBUTIL)/native -R $(LIBUTIL)/native $(MYDLIBS)
```

```
88 DIRMODE = 0755
89 FILEMODE = 0555
```

```
91 OBJSQLITE =
92 LIBSQLITE = -lsqllite-sys
93 $(NATIVE_BUILD)OBJSQLITE = $(ROOT)/lib/libsqlite-native.o
94 $(NATIVE_BUILD)LIBSQLITE =
```

```
96 OBS += $(OBJSQLITE)
97 LDLIBS += $(LIBSQLITE)
```

```
99 install := TARGET = install
100 clobber := TARGET = clobber
```

```
102 .KEEP_STATE:
103 .PARALLEL: $(MYOBS) $(MYOBS:%.o=-native.o)
```

```
105 all: $(PROG)
```

```
107 native: FRC
108     @cd $(LIBUTIL)/native; pwd; $(MAKE) $(MFLAGS) install
109     @NATIVE_BUILD= $(MAKE) $(MFLAGS) all
```

```
111 $(PROG): $(OBS)
112     $(LINK.c) -o $@ $(OBS) $(LDLIBS)
113     $(POST_PROCESS)
```

```
115 %-native.o: %.c
116     $(COMPILE.c) -o $@ $<
117     $(POST_PROCESS_0)
```

```
119 $(ROOTCMDDIR)/%: %.sh
120     $(INS.rename)
```

```
122 install: all $(ROOTCMD) $(ROOTVARSADMFIL) $(ROOTSCRIPTFILE)
```

```
124 clean: FRC
125     $(RM) $(MYOBS) $(MYOBS:%.o=-native.o)
```


new/usr/src/cmd/svc/configd/Makefile

3

127 clobber:

129 lint: lint_SRCS

131 lint_SRCS:

133 include ../../Makefile.targ

135 FRC:

```

*****
4519 Wed Sep 19 23:19:47 2018
new/usr/src/cmd/svc/svccfg/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 # Copyright 2017 Joyent, Inc.
25 #
26 #
27 MYPROG =      svccfg
28 PROG =       $(MYPROG)
29 #
30 SRCS =       svccfg_main.c \
31              svccfg_engine.c \
32              svccfg_internal.c \
33              svccfg_libscf.c \
34              svccfg_tmpl.c \
35              svccfg_xml.c \
36              svccfg_help.c
37 #
38 LNTS =       $(SRCS:%.c=%.ln) \
39              manifest_find.ln \
40              manifest_hash.ln
41 #
42 MYOBSJS =    $(SRCS:%.c=%.o) \
43              svccfg_grammar.o \
44              svccfg_lex.o \
45              manifest_find.o \
46              manifest_hash.o \
47              notify_params.o
48 OBJS =       $(MYOBSJS)
49 #
50 POFILES =    $(SRCS:%.c=%.po) \
51              svccfg_grammar.po \
52              svccfg_lex.po \
53              ../common/manifest_find.po \
54              ../common/manifest_hash.po
55 #
56 include ../../Makefile.cmd
57 include ../../Makefile.ctf
58 #
59 POFILE =     $(PROG)_all.po
60 #
61 NATIVE_BUILD=$(POUND_SIGN)

```

```

62 $(NATIVE_BUILD)NOT_NATIVE=$(POUND_SIGN)
63 #
64 $(NATIVE_BUILD)PROG = $(MYPROG:%=-native)
65 $(NATIVE_BUILD)OBSJS = $(MYOBSJS:%.o=-native.o)
66 #
67 # svccfg has a name clash with main() and libl.so.1. However, svccfg must
68 # still export a number of "yy*" (libl) interfaces. Reduce all other symbols
69 # to local scope.
70 MAPFILES +=  $(MAPFILE.LEX) $(MAPFILE.NGB)
71 MAPOPTS =    $(MAPFILES:%=-M%)
72 #
73 MYCPPFLAGS = -I ../common -I$(ADJUNCT_PROTO)/usr/include/libxml2
74 CPPFLAGS +=  $(MYCPPFLAGS)
75 LDFLAGS +=   $(MAPOPTS)
76 #
77 CERRWARN +=  -_gcc=-Wno-unused-label
78 CERRWARN +=  -_gcc=-Wno-implicit-function-declaration
79 CERRWARN +=  -_gcc=-Wno-switch
80 CERRWARN +=  -_gcc=-Wno-uninitialized
81 CERRWARN +=  -_gcc=-Wno-unused-variable
82 CERRWARN +=  -_gcc=-Wno-parentheses
83 #
84 LFLAGS =     -t
85 YFLAGS =     -d
86 #
87 CLOBBERFILES += svccfg_lex.c svccfg_grammar.c svccfg_grammar.h \
88                $(MYPROG:%=-native)
89 #
90 SVCCFG_EXTRA_LIBS = -lxml2 -lscf -ll -luutil -lumem -lmd5 -lnvpair
91 $(NOT_NATIVE)SVCCFG_EXTRA_LIBS += -ltecla
92 $(NOT_NATIVE)ADJUNCT_LIBS += libxml2.so
93 #endif /* ! codereview */
94 #
95 LIBSCF       = $(SRC)/lib/libscf
96 LIBTECLA     = $(SRC)/lib/libtecla          # just for the header
97 LIBUUTIL     = $(SRC)/lib/libuutil
98 #
99 debug := COPTFLAG = -g
100 #
101 lint := LINTFLAGS = -mux
102 lint := SVCCFG_EXTRA_LIBS = -lscf -ll -luutil -lumem -lmd5 -lnvpair
103 #
104 LDLIBS += $(SVCCFG_EXTRA_LIBS)
105 #
106 $(NATIVE_BUILD)CC = $(NATIVECC)
107 $(NATIVE_BUILD)LD = $(NATIVELD)
108 $(NATIVE_BUILD)CFLAGS = $(NATIVE_CFLAGS)
109 $(NATIVE_BUILD)CPPFLAGS = \
110     -DNATIVE_BUILD \
111     $(MYCPPFLAGS) \
112     -I$(LIBSCF)/inc \
113     -I$(LIBTECLA) \
114     -I$(LIBUUTIL)/common
115 $(NATIVE_BUILD)LDFLAGS = -Bdirect
116 $(NATIVE_BUILD)NATIVE_LIBS = libxml2.so libl.so libumem.so libmd5.so libnvpair.s
117 $(NATIVE_BUILD)LDFLAGS = \
118     -L$(LIBUUTIL)/native -R $(LIBUUTIL)/native \
119     -L$(LIBSCF)/native -R $(LIBSCF)/native \
120     -L$(ADJUNCT_PROTO)/usr/lib -R$(ADJUNCT_PROTO)/usr/lib \
121     $(SVCCFG_EXTRA_LIBS)
122 #
123 svccfg_lex.o svccfg_grammar.o := CCVERBOSE =
124 #
125 svccfg_help.po := XGETFLAGS = -a

```

```
127 .KEEP_STATE:
128 .PARALLEL: $(OBJS) $(LNTS)

130 all debug: $(PROG)

132 native: FRC
133     @cd $(LIBUTIL)/native; pwd; $(MAKE) $(MFLAGS) install
134     @cd $(LIBSCF)/native; pwd; $(MAKE) $(MFLAGS) install
135     @NATIVE_BUILD= $(MAKE) $(MFLAGS) all

137 $(PROG): $(OBJS) $(MAPFILES)
138     $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
139     $(POST_PROCESS)

141 $(POFILES): svccfg_grammar.h

143 $(POFILE): $(POFILES)
144     cat $(POFILES) > $(POFILE)

146 install: all $(ROOTUSRBINPROG)

148 svccfg_lex.c: svccfg.l svccfg_grammar.h
149     $(LEX) $(LFLAGS) svccfg.l > $@

151 svccfg_help.o: svccfg_grammar.h
152 svccfg_help-native.o: svccfg_grammar.h

154 svccfg_grammar.h svccfg_grammar.c: svccfg.y
155     $(YACC) $(YFLAGS) svccfg.y
156     @$ (MV) y.tab.h svccfg_grammar.h
157     @$ (MV) y.tab.c svccfg_grammar.c

159 clean: FRC
160     $(RM) $(MYOBJS) $(MYOBS:%.o=%.native.o) $(LNTS)

162 lint: $(LNTS)
163     $(LINT.c) $(LINTFLAGS) $(LNTS) $(LDLIBS)

165 %-native.o: %.c
166     $(COMPILE.c) -o $@ $<
167     $(POST_PROCESS_O)

169 %-native.o: ../common/%.c
170     $(COMPILE.c) -o $@ $<
171     $(POST_PROCESS_O)

173 %.o: ../common/%.c
174     $(COMPILE.c) $(OUTPUT_OPTION) $<
175     $(POST_PROCESS_O)

177 %.ln: ../common/%.c
178     $(LINT.c) $(OUTPUT_OPTION) -c $<

180 include ../../Makefile.targ

182 FRC:
```

new/usr/src/cmd/volcheck/Makefile

1

```
*****
2147 Wed Sep 19 23:19:47 2018
new/usr/src/cmd/volcheck/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 PROG =          volcheck
27 LOCAL_OBJS =    volcheck.o
28 RMVOLMGR_OBJS = rmm_common.o vold.o
29 OBJS =          $(LOCAL_OBJS) $(RMVOLMGR_OBJS)
30 LOCAL_SRCS =    $(LOCAL_OBJS:%.o=%.c)
31 RMVOLMGR_SRCS = $(RMVOLMGR_OBJS:%.o=$(SRC)/cmd/rmvolmgr/%.c)
32 SRCS =          $(LOCAL_SRCS) $(RMVOLMGR_SRCS)

34 include $(SRC)/cmd/Makefile.cmd
35 include $(SRC)/cmd/hal/Makefile.hal

37 LDLIBS +=      -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lhal -lhal-storage -lcontract
38 ADJUNCT_LIBS = libdbus-1.so libdbus-glib-1.so libglib-2.0.so
39 #endif /* ! codereview */

41 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS)
42 CPPFLAGS +=    -I$(ROOT)/usr/include/hal
43 CPPFLAGS +=    -I$(SRC)/cmd/rmvolmgr
44 CSTD =         $(CSTD_GNU99)

46 CERRWARN +=    -_gcc=-Wno-switch
47 CERRWARN +=    -_gcc=-Wno-unused-variable
48 CERRWARN +=    -_gcc=-Wno-parentheses
49 CERRWARN +=    -_gcc=-Wno-uninitialized
50 CERRWARN +=    -_gcc=-Wno-unused-function

52 .KEEP_STATE:

54 all: $(PROG)

56 $(PROG): $(OBJS)
57     $(LINK.c) -o $(PROG) $(OBJS) $(LDLIBS)
58     $(POST_PROCESS)

60 install: all $(ROOTPROG)
```

new/usr/src/cmd/volcheck/Makefile

2

```
62 rmm_common.o: $(SRC)/cmd/rmvolmgr/rmm_common.c $(SRC)/cmd/rmvolmgr/rmm_common.h
63     $(COMPILE.c) -o $@ $(SRC)/cmd/rmvolmgr/rmm_common.c
64     $(POST_PROCESS_O)

66 vold.o: $(SRC)/cmd/rmvolmgr/vold.c $(SRC)/cmd/rmvolmgr/vold.h
67     $(COMPILE.c) -o $@ $(SRC)/cmd/rmvolmgr/vold.c
68     $(POST_PROCESS_O)

70 clean:
71     $(RM) $(OBJS)

73 include ../Makefile.targ
```

new/usr/src/cmd/volrmmount/Makefile

1

```
*****
2151 Wed Sep 19 23:19:48 2018
new/usr/src/cmd/volrmmount/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 PROG =          volrmmount
27 LOCAL_OBJS =    volrmmount.o
28 RMVOLMGR_OBJS = rmm_common.o vold.o
29 OBJS =          $(LOCAL_OBJS) $(RMVOLMGR_OBJS)
30 LOCAL_SRCS =    $(LOCAL_OBJS:%.o=%.c)
31 RMVOLMGR_SRCS = $(RMVOLMGR_OBJS:%.o=$(SRC)/cmd/rmvolmgr/%.c)
32 SRCS =          $(LOCAL_SRCS) $(RMVOLMGR_SRCS)

34 include $(SRC)/cmd/Makefile.cmd
35 include $(SRC)/cmd/hal/Makefile.hal

37 LDLIBS +=      -ldbus-1 -ldbus-glib-1 -lglib-2.0 -lhal -lhal-storage -lcontract
38 ADJUNCT_LIBS = libdbus-1.so libdbus-glib-1.so libglib-2.0.so
39 #endif /* ! codereview */

41 CPPFLAGS +=    $(HAL_DBUS_CPPFLAGS) $(HAL_GLIB_CPPFLAGS)
42 CPPFLAGS +=    -I$(ROOT)/usr/include/hal
43 CPPFLAGS +=    -I$(SRC)/cmd/rmvolmgr
44 CSTD =         $(CSTD_GNU99)

46 CERRWARN +=    -_gcc=-Wno-switch
47 CERRWARN +=    -_gcc=-Wno-unused-variable
48 CERRWARN +=    -_gcc=-Wno-parentheses
49 CERRWARN +=    -_gcc=-Wno-uninitialized
50 CERRWARN +=    -_gcc=-Wno-unused-function

52 .KEEP_STATE:

54 all: $(PROG)

56 $(PROG): $(OBJS)
57     $(LINK.c) -o $(PROG) $(OBJS) $(LDLIBS)
58     $(POST_PROCESS)

60 install: all $(ROOTPROG)
```

new/usr/src/cmd/volrmmount/Makefile

2

```
62 rmm_common.o: $(SRC)/cmd/rmvolmgr/rmm_common.c $(SRC)/cmd/rmvolmgr/rmm_common.h
63     $(COMPILE.c) -o $@ $(SRC)/cmd/rmvolmgr/rmm_common.c
64     $(POST_PROCESS_O)

66 vold.o: $(SRC)/cmd/rmvolmgr/vold.c $(SRC)/cmd/rmvolmgr/vold.h
67     $(COMPILE.c) -o $@ $(SRC)/cmd/rmvolmgr/vold.c
68     $(POST_PROCESS_O)

70 clean:
71     $(RM) $(OBJS)

73 include ../Makefile.targ
```

new/usr/src/cmd/vt/Makefile

1

```
*****
1569 Wed Sep 19 23:19:48 2018
new/usr/src/cmd/vt/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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24 #
25 # Copyright 2015 RackTop Systems.
26 #

28 PROG= vtdaemon vtinfo vtxlock

30 VTDAEMON_SRC= vtdaemon.c
31 VTINFO_SRC= vtinfo.c

33 include ../Makefile.cmd

35 CFLAGS += $(CVERBOSE)
36 CERRWARN += -_gcc=-Wno-uninitialized

38 vtdaemon := LDLIBS += -lpam -lbsm
39 lint_vtdaemon := LDLIBS += -lpam -lbsm

42 #endif /* ! codereview */
43 .KEEP_STATE:

45 all: $(PROG)

47 vtdaemon: $(VTDAEMON_SRC)
48     $(LINK.c) -o $@ $(VTDAEMON_SRC) $(LDLIBS)
49     $(POST_PROCESS)

51 vtinfo: $(VTINFO_SRC)
52     $(LINK.c) -o $@ $(VTINFO_SRC) $(LDLIBS)
53     $(POST_PROCESS)

55 install: all $(ROOTLIBPROG)

57 clean:

59 lint: lint_vtdaemon lint_vtinfo

61 lint_vtdaemon:
```

new/usr/src/cmd/vt/Makefile

2

```
62     $(LINT.c) $(VTDAEMON_SRC) $(LDLIBS)

64 lint_vtinfo:
65     $(LINT.c) $(VTINFO_SRC) $(LDLIBS)

67 include ../Makefile.targ
```

```

*****
8994 Wed Sep 19 23:19:48 2018
new/usr/src/cmd/ypcmd/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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25 #

27 BINPROG = ypmatch ypwhich ypcat
28 SBINPROG = makedbm ypalias ypinit yppoll ypset
29 NETYPPROG = ypbind ypxfr yppush udpublickey mkalias \
30             multi multi.awk stdethers stdhosts \
31             ypxfr_lperday ypxfr_lperhour ypxfr_2perday \
32             ypstart ypstop
33 NIS2LDAPPROG = ypxfrd ypserv ypxfr
34 SVCMETHOD = yp
35 PROG= $(BINPROG) $(SBINPROG) $(NETYPPROG) $(NIS2LDAPPROG) $(SVCMETHOD)

37 MANIFEST = server.xml client.xml xfr.xml

39 # These only need -lnsl
40 LNSLPROG = ypmatch ypwhich ypcat yppoll ypset \
41             ypbind ypxfr yppush mkalias stdhosts

43 include ../Makefile.cmd

45 ROOTMANIFESTDIR = $(ROOTSVCNETWORKNIS)

47 # installed directories
48 NETSVC = $(ROOTLIB)/netsvc
49 NETYP = $(NETSVC)/yp

51 ROOTVAR_YP = $(ROOT)/var/yp
52 ROOTBINDING = $(ROOTVAR_YP)/binding
53 ROOTDIRS = $(ROOT) $(ROOTUSR) $(ROOTLIB) $(ROOTETC) $(ROOTVAR) \
54             $(NETSVC) $(NETYP) $(ROOTVAR_YP) $(ROOTBINDING) \
55             $(ROOTUSRSBIN) $(ROOTBIN)

57 $(LNSLPROG) := LDLIBS += -lnsl
58 $(NIS2LDAPPROG) := LDLIBS += -lc -lnsl -lnisdb
59 stdethers := LDLIBS += -lsocket
60 makedbm := MAPFILES = $(MAPFILE.INT) $(MAPFILE.NGB)
61 makedbm := LDFlags += $(MAPFILES:%=-M%)

```

```

63 # These things link with libnisdb, and thus are 'C++', but are otherwise
64 # entirely C. A result of this is they probably don't actually use the C++
65 # runtime, but may in future (depending on compiler implementation)
66 #
67 # Give up.
68 ypxfr := ZGUIDANCE= -zguidance=nounused
69 ypxfrd := ZGUIDANCE= -zguidance=nounused
70 ypserv := ZGUIDANCE= -zguidance=nounused

72 $(__SUNC)ypxfr := ADJUNCT_LIBS = libC.so
73 $(__SUNC)ypxfrd := ADJUNCT_LIBS = libC.so
74 $(__SUNC)ypserv := ADJUNCT_LIBS = libC.so

76 #endif /* ! codereview */
77 $(ROOTVAR_YP)/aliases := FILEMODE=555

79 YPFILES = Makefile aliases nicknames updaters
80 ETCFILES = publickey
81 ROOTYPFILES= $(YPFILES:%=$(ROOTVAR_YP)/%)
82 ROOTETCFILES= $(ETCFILES:%=$(ROOTETC)/%)

84 TXTS= $(ETCFILES:%=net_files/%) $(YPFILES:%=net_files/%)
85 SUBDIRS = yppasswd mknetid revnetgroup ypupdated yp2lscripts

87 YPBINDOBJ= yp_b_svc.o yp_b_subr.o rpc_bootstrap.o getlist.o
88 #
89 # Some sort of obsolete idea of common files which are only now used by a
90 # few minor utilities
91 #
92 COMMONOBJ= getlist.o yp_getalias.o

94 #
95 # Objects shared between all the major components
96 #
97 SHARED_DIR= ./shared
98 SHARED OBJ= $(SHARED_DIR)/utils.o $(SHARED_DIR)/lockmap.o $(SHARED_DIR)/ancil.o
99 SHARESRC = $(SHAREOBJ:.o=.c)

101 YPXFR OBJ = ypxfr.o ypxfrd_client.o ypxfrd_xdr.o
102 YPMAT OBJ = ypmatch.o nick.o
103 YPWHI OBJ = ypwhich.o nick.o
104 YPCAT OBJ = ypcat.o nick.o
105 UDPUBLICKEY OBJ = udpublickey.o
106 MKALIAS OBJ = mkalias.o
107 STDETHERS OBJ = stdethers.o
108 STDHOSTS OBJ = stdhosts.o
109 #COMMONCLNTOBJ = clnt_create_rsvd.o
110 YPSERVOBJ = ypserv.o ypserv_map.o \
111             ypserv_proc.o ypserv_ancil.o \
112             ypserv_resolv.o ypserv_resolv_common.o \
113             ypv1_xdr.o ypserv_net_secure.o
114 YPPUSH OBJ = yppush.o
115 YPXFRDOBJ = ypxfrd_svc.o ypxfrd_xdr.o ypxfrd_server.o \
116             ypserv_net_secure.o

118 NETYPOBJ = $(YPXFR OBJ) $(YPXFRDOBJ) $(YPSERVOBJ) $(YPPUSH OBJ) \
119             $(YPBIND OBJ) $(UDPUBLICKEY OBJ)
120 OBJ = $(NETYPOBJ) $(MKALIAS OBJ) $(COMMON OBJ) $(SHARED OBJ) \
121             $(YPPUSH OBJ) $(YPMAT OBJ) $(YPWHI OBJ) $(YPCAT OBJ) \
122             $(STDETHERS OBJ) $(STDHOSTS OBJ) makedbm.o ypalias.o pong.o

124 BINSRC = $(BINPROG:=.c)

126 SBINSRC = $(SBINPROG:=.c)

```

```

128 NETYPSRC = $(NETYPOBJ:.o=.c)

130 YPBINDSRC = $(YPBINSOBJ:.o=.c)

132 YPXFRSRC = $(YPXFROBJ:.o=.c)

134 YPSERVSRC = $(YPSERVOBJ:.o=.c)

136 YPPUSHSRC = $(YPPUSHOBJ:.o=.c)

138 YPXFRDSRC = $(YPXFRDOBJ:.o=.c)

140 YPMASERSRC = $(YPMASEROBJ:.o=.c)

142 YPALLSRC = $(YPALLOBJ:.o=.c)

144 COMMONSRC = $(COMMONOBJ:.o=.c)

146 #COMMONCLNTSRC = $(COMMONCLNTOBJ:.o=.c)

148 SRCS = $(BINSRC) $(SBINSRC) $(NETYPSRC) \
149 $(COMMONSRC) $(SHAREDSRC)

151 CLEANFILES = ypxfrd.h ypxfrd_xdr.c

153 IBINPROG= $(BINPROG:%=$(ROOTBIN)/%)
154 ISBINPROG= $(SBINPROG:%=$(ROOTUSRSBIN)/%)
155 INETYPYPROG= $(NETYPPROG:%=$(NETYP)/%)
156 INIS2LDAPPROG = $(NIS2LDAPPROG:%=$(NETYP)/%)

158 NIS2LDAPINC = -I$(SRC)/lib/libnisdb/yptol

160 CERRWARN += -_gcc=-Wno-implicit-function-declaration
161 CERRWARN += -_gcc=-Wno-parentheses
162 CERRWARN += -_gcc=-Wno-unused-variable
163 CERRWARN += -_gcc=-Wno-uninitialized
164 CERRWARN += -_gcc=-Wno-switch
165 CERRWARN += -_gcc=-Wno-extra
166 CERRWARN += -_gcc=-Wno-unused-label
167 CERRWARN += -_gcc=-Wno-address
168 CERRWARN += -_gcc=-Wno-unused-function

170 #conditional assignments
171 ypalias.o := CPPFLAGS= -DMAIN $(CPPFLAGS.master)
172 makedbm.o := CPPFLAGS= $(CPPFLAGS.master)
173 yp_b_svc.o := CPPFLAGS += -DINIT_DEFAULT
174 ypxfrd_svc.o := CPPFLAGS += -Dmain=_main
175 ypxfr.o := CPPFLAGS += $(NIS2LDAPINC)
176 yppush.o := CPPFLAGS += $(NIS2LDAPINC)
177 $(NIS2LDAPPROG) := CPPFLAGS += $(NIS2LDAPINC)
178 $(SHAREDOBJ) := CPPFLAGS += -I$(SRC)/lib/libnisdb/yptol
179 $(ROOTVAR_YP)/Makefile := FILEMODE= 555
180 $(ROOTVAR_YP)/nicknames := FILEMODE= 644
181 $(ROOTVAR_YP)/updaters := FILEMODE= 500
182 $(ROOTETC)/publickey := FILEMODE= 644
183 # non-default file attributes to avoid conflict with rpcsrc
184 NETYP = $(NETSVC)/yp

187 all:= TARGET= all
188 install:= TARGET= install
189 clean:= TARGET= clean
190 clobber:= TARGET= clobber
191 lint:= TARGET= lint
192 cstyle := TARGET= cstyle

```

```

194 all: $(SHAREDOBJ) $(SUBDIRS) $(PROG) $(TXTS)

196 # install rules
197 $(ROOTVAR_YP)/% \
198 $(ROOTETC)/%: net_files/%
199 $(INS.file)

201 $(ROOTVAR_YP)/% : net_files/%
202 $(INS.file)

204 $(NETYP)/%: %
205 $(INS.file)

207 .KEEP_STATE:

209 $(SHAREDOBJ): $(SHAREDSRC)
210 $(COMPILE.c) $(SHAREDSRC) -o $$@ $$<

212 ypbind: $(YPBINDOBJ)
213 $(LINK.c) $(YPBINDOBJ) -o $$@ $(LDLIBS)
214 $(POST_PROCESS)

216 makedbm ypalias: $$@.o $(COMMONOBJ) $(MAPFILES)
217 $(LINK.c) -o $$@ $$@.o $(COMMONOBJ) $(LDLIBS)
218 $(POST_PROCESS)

220 ypmatch: $(YPMATOBJ)
221 $(LINK.c) -o $$@ $(YPMATOBJ) $(LDLIBS)
222 $(POST_PROCESS)

224 ypwhich: $(YPWHIOBJ)
225 $(LINK.c) -o $$@ $(YPWHIOBJ) $(LDLIBS)
226 $(POST_PROCESS)

228 ypcat: $(YPCATOBJ)
229 $(LINK.c) -o $$@ $(YPCATOBJ) $(LDLIBS)
230 $(POST_PROCESS)

232 ypxfrd_xdr.c: ypxfrd.x
233 $(RM) ypxfrd_xdr.c; $(RPCGEN) -C -c ypxfrd.x -o ypxfrd_xdr.c

235 ypxfrd.h: ypxfrd.x
236 $(RM) ypxfrd.h; $(RPCGEN) -C -h ypxfrd.x -o ypxfrd.h

238 ypxfrd_xdr.o ypxfrd_client.o: ypxfrd.h

240 #clnt_create_rsvd.o ypxfr.o: clnt_create_rsvd.h

242 ypxfrd: $(YPXFRDOBJ) $(SHAREDOBJ)
243 $(LINK.cc) $(YPXFRDOBJ) $(SHAREDOBJ) \
244 -o $$@ $(LDLIBS) -lc
245 $(POST_PROCESS)

247 ypxfr: $(YPXFROBJ) $(COMMONOBJ) $(YPMASEROBJ) $(SHAREDOBJ)
248 $(LINK.cc) -o $$@ $(YPXFROBJ) $(YPMASEROBJ) $(COMMONOBJ) \
249 $(SHAREDOBJ) $(LDLIBS)
250 $(POST_PROCESS)

252 ypserv: $(YPSERVOBJ) $(COMMONOBJ) $(SHAREDOBJ)
253 $(LINK.cc) $(YPSERVOBJ) $(COMMONOBJ) \
254 $(SHAREDOBJ) -o $$@ $(LDLIBS)
255 $(POST_PROCESS)

257 yppush: $(YPPUSHOBJ) $(COMMONOBJ)
258 $(LINK.c) $(YPPUSHOBJ) $(COMMONOBJ) -o $$@ $(LDLIBS)
259 $(POST_PROCESS)

```



```
261 udpublickey: $(UDPUBLICKEYOBJ)
262     $(LINK.c) $(UDPUBLICKEYOBJ) -o $@ $(LDLIBS)
263     $(POST_PROCESS)

265 mkalias: $(MKALIASOBJ)
266     $(LINK.c) $(MKALIASOBJ) -o $@ $(LDLIBS)
267     $(POST_PROCESS)

269 stdethers: $(STDEETHERSOBJ)
270     $(LINK.c) $(STDEETHERSOBJ) -o $@ $(LDLIBS)
271     $(POST_PROCESS)

273 stdhosts: $(STDHOSTSOBJ)
274     $(LINK.c) $(STDHOSTSOBJ) -o $@ $(LDLIBS)
275     $(POST_PROCESS)

277 install: all $(PROG) $(ROOTDIRS) $(ROOTETCFILE) $(ROOTYPFILES) $(IBINPROG) \
278     $(ISBINPROG) $(INETYPPROGRAM) $(INIS2LDAPP) $(SUBDIRS) $(ROOTMANIFEST) \
279     $(ROOTSVCMETHOD)

281 $(ROOTDIRS):
282     $(INS.dir)

284 $(SUBDIRS): FRC
285     @cd $@; pwd; $(MAKE) $(TARGET)

287 lint := CPPFLAGS += -I$(SRC)/lib/libnisdb/yptol

289 lint: $(SUBDIRS)
290     $(LINT.c) ypmatch.c nick.c -lnsl
291     $(LINT.c) ypwhich.c nick.c -lnsl
292     $(LINT.c) ypcat.c nick.c -lnsl
293     $(LINT.c) makedbm.c getlist.c yp_getalias.c
294     $(LINT.c) ypalias.c getlist.c yp_getalias.c
295     $(LINT.c) yp_b_svc.c yp_b_subr.c rpc_bootstrap.c getlist.c -lnsl
296     $(LINT.c) ypxfr.c ypxfrd_client.c ypxfrd_xdr.c getlist.c yp_getalias.c \
297     ./shared/utills.c ./shared/lockmap.c ./shared/ancil.c -lnsl
298     $(LINT.c) yppush.c getlist.c yp_getalias.c -lnsl
299     $(LINT.c) udpublickey.c
300     $(LINT.c) mkalias.c -lnsl
301     $(LINT.c) stdethers.c -lsocket
302     $(LINT.c) stdhosts.c -lnsl
303     $(LINT.c) ypxfrd_svc.c ypxfrd_xdr.c ypxfrd_server.c \
304     ypserv_net_secure.c \
305     ./shared/utills.c ./shared/lockmap.c ./shared/ancil.c \
306     -lnsl -lnisdb
307     $(LINT.c) ypserv.c ypserv_map.c ypserv_proc.c ypserv_ancil.c \
308     ypserv_resolv.c ypserv_resolv_common.c ypv1_xdr.c \
309     ypserv_net_secure.c getlist.c yp_getalias.c \
310     ./shared/utills.c ./shared/lockmap.c ./shared/ancil.c \
311     -lnsl -lnisdb

313 check: $(CHKMANIFEST)

315 cstyle: $(SUBDIRS)
316     ${CSTYLE} `echo $(SRCS) | sed 's/ypinit.c//''

318 clean: $(SUBDIRS)
319     $(RM) $(OBJS) $(CLEANFILES)

321 clobber: clean $(SUBDIRS)

323 FRC:

325 include ../Makefile.targ
```

new/usr/src/cmd/ypcmd/yppasswd/Makefile

1

```
*****
2910 Wed Sep 19 23:19:49 2018
new/usr/src/cmd/ypcmd/yppasswd/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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23 #

25 NETYPPROG =      rpc.yppasswdd
26 DEFAULTFILES =  yppasswdd.dfl
27 PROG =           $(NETYPPROG)

29 MANIFEST = passwd.xml

31 include ../../Makefile.cmd

33 ROOTMANIFESTDIR = $(ROOTSVCNETWORKNIS)

35 #installed directories
36 RPCSVC=          $(ROOT)/usr/include/rpcsvc
37 NETSVC =         $(ROOTLIB)/netsvc
38 NETYP =          $(NETSVC)/yp
39 ROOTDIRS =       $(NETSVC) $(NETYP)

41 # include library definitions
42 #LDLIBS +=       -lrpcsvc -lnsl -lcrypt -lintl -lgen
43 #LDLIBS +=       -lnsl -lnisdb -lc
44 #MAPFILES =     $(MAPFILE.INT) $(MAPFILE.NGB)
45 #LDFLAGS +=     $(MAPFILES:%=-M%)

47 # This links with libnisdb, and thus is 'C++', but is otherwise entirely C. A
48 # result of this is that it probably doesn't _actually_ use the C++ runtime, but
49 # may in future (depending on compiler implementation)
50 #
51 # Give up.
52 ZGUIDANCE= -zguidance=nounused

54 $(__SUNC)ADJUNCT_LIBS = libc.so

56 #endif /* ! codereview */
57 # Pick up includes from library
58 CPPFLAGS += -I$(SRC)/lib/libnisdb/yptol

60 # This file is now in the $(SRC)/head/rpcsvc directory.
61 #HDRFILE= ypasswd.h
```

new/usr/src/cmd/ypcmd/yppasswd/Makefile

2

```
62 #HDRFILE= $(HDRFILE:%=$(RPCSVC)/%)

64 INETYPPROG=      $(NETYPPROG:%=$(NETYP)/%)

66 COMMONOBJ =      yppasswdd.o yplckpwwf.o
67 RPCYPPASSWDDOBJ = yppasswdd.o changepasswd.o

69 CERRWARN +=      -_gcc=-Wno-implicit-function-declaration
70 CERRWARN +=      -_gcc=-Wno-parentheses
71 CERRWARN +=      -_gcc=-Wno-uninitialized

73 #
74 # Objects shared between all the major components
75 #
76 SHARED OBJ=      ../shared/Utils.o ../shared/lockmap.o ../shared/ancil.o

78 OBJS =           $(RPCYPPASSWDDOBJ) \
79                  $(COMMONOBJ)
80                  # $(YPPWCONVOBJ) $(YPPASSMGMTOBJ)

82 SRCS =           $(OBJS:%.o=%.c)

84 #conditional assignments
85 $(INETSVC)      := FILEMODE=555

87 $(ETCDEFAULTFILE) := FILEMODE=0444

89 #install rules

91 .KEEP_STATE:

93 all: $(PROG)

95 rpc.yppasswdd: $(RPCYPPASSWDDOBJ) $(COMMONOBJ) $(MAPFILES)
96                $(LINK.cc) -o @$ $(RPCYPPASSWDDOBJ) \
97                $(SHARED OBJ) $(COMMONOBJ) $(LDLIBS) \
98                $(POST_PROCESS)

100 install: all $(ROOTDIRS) $(IBINPROG) $(INETYPPROG) $(ROOTETCDEFAULTFILES) \
101                $(ROOTMANIFEST)

103 $(ROOTDIRS):
104                $(INS.dir)

106 $(NETYP)/%: %
107                $(INS.file)

109 clean:
110                $(RM) $(OBJS)

112 lint: lint_SRCS

114 check: $(CHKMANIFEST)

116 cstyle:
117                ${CSTYLE} ${SRCS}

119 # include library targets
120 include ../../Makefile.targ
```

```

*****
4566 Wed Sep 19 23:19:49 2018
new/usr/src/common/mapfiles/gen/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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2 # CDDL HEADER START
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19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright 2007 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 # Copyright 2015 Igor Kozhukhov <ikozhukhov@gmail.com>
26 #
27 #
28 include      $(SRC)/Makefile.master
29 #
30 FILES= \
31             $(MACH)_cc_map.noexeglobs \
32             $(MACH)_gcc_map.noexeglobs
33 #
34 NATIVE_LIBS =  libc.so
35 LDFLAGS +=    -B direct
36 #
37 #endif /* ! codereview */
38 $(BUILD64)FILES += \
39             $(MACH64)_cc_map.noexeglobs \
40             $(MACH64)_gcc_map.noexeglobs
41 #
42 SYMS1=       syms.1
43 SYMS2=       syms.2
44 MAIN1=       main.1
45 MAIN2=       main.2
46 #
47 TEMPLATE1=   map.noexeglobs.1.template
48 TEMPLATE2=   map.noexeglobs.2.template
49 #
50 all install:  $(FILES)
51 #
52 lint:
53 #
54 clean:
55             $(RM) $(SYMS1) $(SYMS2) $(MAIN1) $(MAIN2)
56 #
57 clobber:     clean
58             $(RM) $(FILES)
59 #
60 # A number of dynamic executables have their own definitions of interfaces that
61 # exist in system libraries. To prevent name-space pollution it is desirable

```

```

62 # to demote the interfaces within these executable to locals. However, various
63 # symbols defined by the compiler drivers crt/values files need to remain
64 # global in any dynamic object that includes these files. These symbols
65 # interpose on symbols in libc, or provide call backs for other system
66 # libraries. The various compiler drivers (cc and gcc), and the crt/values
67 # files that these drivers are configured to include, differ between the
68 # various compilations environments (platform, 32/64-bit). Therefore, the
69 # only means of creating a mapfile to demote symbols is to dynamically generate
70 # the mapfile for a specific compilation environment.
71 #
72 # Here, template mapfiles are used to generate a number of compilation specific
73 # mapfiles. These mapfiles are referenced by components of the build through
74 # the MAPFILE.NGB macro defined in Makefile.master. These dynamically created
75 # mapfiles are not delivered into the $ROOT area, and therefore are not
76 # delivered as packaged components of the OSNet.
77 #
78 $(MACH)_cc_map.noexeglobs := LINK = $(LINK.c)
79 $(MACH64)_cc_map.noexeglobs := LINK = $(LINK64.c)
80 #
81 $(MACH)_gcc_map.noexeglobs := CC = $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
82 $(MACH)_gcc_map.noexeglobs := LINK = $(LINK.c)
83 $(MACH64)_gcc_map.noexeglobs := CC = $(ONBLD_TOOLS)/bin/$(MACH)/cw -_gcc
84 $(MACH64)_gcc_map.noexeglobs := LINK = $(LINK64.c)
85 #
86 # This generic target creates two dynamic executables from an empty "main"
87 # program. These objects are not executed, but are analyzed to determine the
88 # global symbols each provides.
89 #
90 # The first executable demotes a family of known interfaces to local and allows
91 # all other symbol definitions to remain global. This executables provides the
92 # base for discovering all symbol definitions provided by the various
93 # compilation environments. The second executable demotes all symbols to
94 # locals. Within both executables, some symbols remain globals (_end, _etext,
95 # etc.) as the link-editor has special knowledge of these symbols and their
96 # expected visibility requirements. By inspecting the differences between the
97 # global symbols within the two executables, a mapfile can be generated to
98 # ensure the symbols defined by the compilation environments files remain
99 # global.
100 #
101 %map.noexeglobs:main.c $(TEMPLATE1) $(TEMPLATE2)
102     $(LINK) -o $(MAIN1) -M$(TEMPLATE1) main.c
103     $(ELFDUMP) -s -N.dynsym $(MAIN1) | $(EGREP) "WEAK|GLOB" | \
104     $(GREP) -v UNDEF | $(AWK) '{print $$9}' | $(SORT) > $(SYMS1)
105     $(LINK) -o $(MAIN2) -M$(TEMPLATE2) main.c
106     $(ELFDUMP) -s -N.dynsym $(MAIN2) | $(EGREP) "WEAK|GLOB" | \
107     $(GREP) -v UNDEF | $(AWK) '{print $$9}' | $(SORT) > $(SYMS2)
108     $(ECHO) "# GENERATED FILE - DO NOT EDIT" > $@
109     $(GREP) MAP-HEAD $(TEMPLATE2) | \
110     $(SED) -e "s/      *# MAP-HEAD//" >> $@
111     $(DIFF) $(SYMS1) $(SYMS2) | $(GREP) "^<" | \
112     $(SED) -e "s/^< \(.*\)/ \1;/>" >> $@
113     $(GREP) MAP-TAIL $(TEMPLATE2) | \
114     $(SED) -e "s/      *# MAP-TAIL//" >> $@
115     $(RM) $(SYMS1) $(SYMS2) $(MAIN1) $(MAIN2)

```

```

*****
14384 Wed Sep 19 23:19:50 2018
new/usr/src/lib/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright (c) 2012 by Delphix. All rights reserved.
25 # Copyright (c) 2012, Joyent, Inc. All rights reserved.
26 # Copyright (c) 2013 Gary Mills
27 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
28 # Copyright (c) 2015 Gary Mills
29 # Copyright 2016 Toomas Soome <tsoome@me.com>
30 # Copyright 2018 Nexenta Systems, Inc.
31 # Copyright (c) 2016, Chris Fraire <cfraire@me.com>.
32 # Copyright 2017 RackTop Systems.
33 #
34 #
35 include ../Makefile.master
36 #
37 # Note that libcurses installs commands along with its library.
38 # This is a minor bug which probably should be fixed.
39 # Note also that a few extra libraries are kept in cmd source.
40 #
41 # Certain libraries are linked with, hence depend on, other libraries.
42 # Library dependencies are called out explicitly, see "Library
43 # interdependencies" below.
44 .PARALLEL:
45 #
46 # Build libc and its dependencies
47 SUBDIRS= \
48 crt \
49 ../cmd/sgs/libconv \
50 ../cmd/sgs/libdl \
51 libc \
52 .WAIT
53 #
54 # Build libraries with lots of dependents
55 SUBDIRS += \
56 libm \
57 libmd \
58 libmp \
59 libnsl \
60 libnvpair \
61 libsocket \

```

```

62 .WAIT
63 #
64 # Build everything else. Aside from explicit dependencies, all libraries
65 # are built in parallel.
66 SUBDIRS += \
67 ../cmd/sendmail/libmilter \
68 ../cmd/sgs/libelf \
69 ../cmd/sgs/librtld_db \
70 abi \
71 auditd_plugins \
72 brand \
73 c_synonyms \
74 cfgadm_plugins \
75 crypt_modules \
76 extendedFILE \
77 fm \
78 getloginx \
79 gss_mechs/mech_dh \
80 gss_mechs/mech_dummy \
81 gss_mechs/mech_krb5 \
82 gss_mechs/mech_spnego \
83 hal \
84 hbaapi \
85 krb5 \
86 libadm \
87 libads \
88 libadt_jni \
89 libadutils \
90 libaio \
91 libast \
92 libavl \
93 libbe \
94 libbrand \
95 libbsdmalloc \
96 libbsm \
97 libc_db \
98 libcfgadm \
99 libcmd \
100 libcmdutils \
101 libcommputil \
102 libcontract \
103 libcpc \
104 libcrypt \
105 libcryptoutil \
106 libctf \
107 libcurses \
108 libcustr \
109 libdevice \
110 libdevinfo \
111 libdevinfo \
112 libdhcpgent \
113 libdhcputil \
114 libdisasm \
115 libdiskmgt \
116 libdladm \
117 libdll \
118 libdlpi \
119 libdns_sd \
120 libdoor \
121 libdtrace \
122 libdtrace_jni \
123 libefi \
124 libelfsign \
125 libeti \
126 libexacct \
127 libexacct/demo \

```

new/usr/src/lib/Makefile

```

128 libfakekernel //
129 libfcoe //
130 libficl //
131 libfru //
132 libfruutils //
133 libfsmgt //
134 libfstyp //
135 libgen //
136 libgrubmgmt //
137 libgss //
138 libhotplug //
139 libidmap //
140 libilb //
141 libima //
142 libinetsvc //
143 libinetutil //
144 libinstzones //
145 libintl //
146 libipadm //
147 libipd //
148 libipmi //
149 libipmp //
150 libipp //
151 libipsecutil //
152 libiscsit //
153 libkmf //
154 libkkrb5 //
155 libkstat //
156 libkvm //
157 libldap5 //
158 liblgrp //
159 liblm //
160 libml //
161 libmail //
162 libmalloc //
163 libmapid //
164 libmapmalloc //
165 libmd5 //
166 libmlrpc //
167 libmtmalloc //
168 libmvec //
169 libndmp //
170 libnisdb //
171 libnls //
172 libnwam //
173 libofmt //
174 libpam //
175 libpcidb //
176 libpctx //
177 libpicl //
178 libpicltree //
179 libpkg //
180 libpool //
181 libpp //
182 libproc //
183 libproject //
184 libpthread //
185 libraidcfg //
186 librcm //
187 libreparse //
188 libresolv //
189 libresolv2 //
190 librestart //
191 librpcsvc //
192 librsn //
193 librstp //

```

3

new/usr/src/lib/Makefile

```

194 librt //
195 libsas1 //
196 libscf //
197 libsched //
198 libsectp //
199 libsec //
200 libsecdb //
201 libsendfile //
202 libdff //
203 libshare //
204 libshell //
205 libsip //
206 libslldap //
207 libslp //
208 libsmbfs //
209 libsmbios //
210 libsmmedia //
211 libsqlite //
212 libsrpt //
213 libstmf //
214 libstmfproxy //
215 libsum //
216 libsun_ima //
217 libsys //
218 libsysevent //
219 libtecla //
220 libtermcap //
221 libthread //
222 libtnf //
223 libtnfctl //
224 libtnfprobe //
225 libtsnet //
226 libtsol //
227 libumem //
228 libuuid //
229 libuutil //
230 libvolmgt //
231 libvrrpadm //
232 libvscan //
233 libw //
234 libwrap //
235 libxcurses //
236 libxcurses2 //
237 libxnet //
238 libzfs //
239 libzfs_core //
240 libzfs_jni //
241 libzonecfg //
242 libzoneinfo //
243 libzonestat //
244 libzpool //
245 madv //
246 mpapi //
247 mpss //
248 nametoaddr //
249 ncad_addr //
250 nsswitch //
251 pam_modules //
252 passwdutil //
253 pkcs11 //
254 policykit //
255 print //
256 pylibbe //
257 pysolaris //
258 pyzfs //
259 raidcfg_plugins //

```

4

new/usr/src/lib/Makefile

```

260      rpcsec_gss      \
261      sasl_plugins   \
262      scsi            \
263      smbshr         \
264      smhba          \
265      sun_fc          \
266      sun_sas         \
267      udapl           \
268      watchmalloc    \
269      ${$(MACH)_SUBDIRS}

271 i386_SUBDIRS=      \
272      libfdisk       \
273      libsaveargs

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

288 #
289 # Create a special version of $(SUBDIRS) with no .WAIT's, for use with the
290 # clean and clobber targets (for more information, see those targets, below).
291 #
292 NOWAIT_SUBDIRS= $(SUBDIRS:.WAIT=)

294 DCSUBDIRS=

296 MSGSUBDIRS=      \
297      abi            \
298      auditd_plugins \
299      brand          \
300      cfgadm_plugins \
301      gss_mechs/mech_dh \
302      gss_mechs/mech_krb5 \
303      krb5           \
304      libast         \
305      libbsm        \
306      libc           \
307      libcfgadm     \
308      libcmd         \
309      libcontract   \
310      libcurses     \
311      libdhcputil   \
312      libdiskmgt    \
313      libdladm      \
314      libdll         \
315      libgrubmgmt   \
316      libgss         \
317      libidmap      \
318      libilb        \
319      libinstzones  \
320      libipadm      \
321      libipmp       \
322      libipsecutil  \
323      libldap5      \
324      libnsl        \
325      libnwam

```

5

new/usr/src/lib/Makefile

```

326      libofmt       \
327      libpam         \
328      libpicl        \
329      libpkg         \
330      libpool        \
331      libpp          \
332      libreparsed    \
333      libsas         \
334      libscf         \
335      libsecdb       \
336      libshare       \
337      libshell       \
338      libslldap     \
339      libslp         \
340      libsmbfs       \
341      libsmmedia     \
342      libsum         \
343      libtsol        \
344      libuutil       \
345      libvrrpadm    \
346      libvscan       \
347      libzfs         \
348      libzonecfg     \
349      madv           \
350      mpss           \
351      pam_modules    \
352      pyzfs          \
353      rpcsec_gss     \
354      ${$(MACH)_MSGSUBDIRS}

356 sparc_MSGSUBDIRS= \
357      libprtdiag    \
358      libprtdiag_psr

360 i386_MSGSUBDIRS= libfdisk

362 HDRSUBDIRS=      \
363      ../cmd/sendmail/libmilter \
364      auditd_plugins \
365      fm            \
366      hal           \
367      hbaapi        \
368      libads        \
369      libast        \
370      libbrand      \
371      libbsm        \
372      libc          \
373      libcmd        \
374      libcmdutils   \
375      libcommputil  \
376      libcontract   \
377      libcpc        \
378      libcryptoutil \
379      libctf        \
380      libcurses     \
381      libcustr      \
382      libdevice     \
383      libdevinfo    \
384      libdevinfo    \
385      libdhcagent   \
386      libdhcputil   \
387      libdisasm     \
388      libdiskmgt    \
389      libdladm      \
390      libdll         \
391      libdlpi

```

6

new/usr/src/lib/Makefile

```

392 libdns_sd //
393 libdtrace //
394 libdtrace_jni //
395 libelfsign //
396 libeti //
397 libfakekernel //
398 libfcoe //
399 libffru //
400 libfstyp //
401 libgen //
402 libgrubmgmt //
403 libidmap //
404 libilb //
405 libima //
406 libinetsvc //
407 libinetutil //
408 libinstzones //
409 libipadm //
410 libipd //
411 libipmi //
412 libipmp //
413 libipp //
414 libipsecutil //
415 libiscsit //
416 libkrb5 //
417 libkstat //
418 libkvm //
419 libmail //
420 libmapid //
421 libmd //
422 libmlrpc //
423 libmtmalloc //
424 libndmp //
425 libnsl //
426 libnvpair //
427 libnwam //
428 libofmt //
429 libpam //
430 libpcidb //
431 libpctx //
432 libpicl //
433 libpicltree //
434 libpool //
435 libpp //
436 libproc //
437 libraidcfg //
438 librcm //
439 libreparse //
440 librestart //
441 librpcsvc //
442 librsn //
443 librstp //
444 libsas1 //
445 libscf //
446 libsec //
447 libsgff //
448 libshare //
449 libshell //
450 libsip //
451 libslp //
452 libsmbfs //
453 libsmbios //
454 libsmmedia //
455 libsocket //
456 libsqlite //
457 libsrpt //

```

7

new/usr/src/lib/Makefile

```

458 libstmf //
459 libstmfproxy //
460 libsum //
461 libsun_ima //
462 libsysevent //
463 libtecla //
464 libtermcap //
465 libtnf //
466 libtnfctl //
467 libtnfprobe //
468 libtsnet //
469 libtsol //
470 libumem //
471 libuutil //
472 libvolmgt //
473 libvrrpadm //
474 libvscan //
475 libwrap //
476 libxcurses2 //
477 libzfs //
478 libzfs_core //
479 libzfs_jni //
480 libzoneinfo //
481 libzonestat //
482 mpapi //
483 passwdutil //
484 pkcs11 //
485 policykit //
486 scsi //
487 smbdrv //
488 smhba //
489 udapl //
490 $(MACH)_HDRSUBDIRS)

492 i386_HDRSUBDIRS= //
493 libfdisk //
494 libsaveargs //

496 sparc_HDRSUBDIRS= //
497 libds //
498 libdscp //
499 libpri //
500 libv12n //
501 storage //

503 all := TARGET= all
504 check := TARGET= check
505 clean := TARGET= clean
506 clobber := TARGET= clobber
507 install := TARGET= install
508 install_h := TARGET= install_h
509 lint := TARGET= lint
510 _dc := TARGET= _dc
511 _msg := TARGET= _msg

513 .KEEP_STATE:

515 #
516 # For the all and install targets, we clearly must respect library
517 # dependencies so that the libraries link correctly. However, for
518 # the remaining targets (check, clean, clobber, install_h, lint, _dc
519 # and _msg), libraries do not have any dependencies on one another
520 # and thus respecting dependencies just slows down the build.
521 # As such, for these rules, we use pattern replacement to explicitly
522 # avoid triggering the dependency information. Note that for clean,
523 # clobber and lint, we must use $(NOWAIT_SUBDIRS) rather than

```

8

```

524 # $(SUBDIRS), to prevent '.WAIT' from expanding to '.WAIT-noddepend'.
525 #
527 all:                $(SUBDIRS)
529 install:            $(SUBDIRS) .WAIT install_extra
531 # extra libraries kept in other source areas
532 install_extra:
533     @cd ../cmd/sgs; pwd; $(MAKE) install_lib
534     @pwd
536 clean clobber lint: $(NOWAIT_SUBDIRS:%=%-nodepend)
538 install_h check:   $(HDRSUBDIRS:%=%-nodepend)
540 _msg:                $(MSGSUBDIRS:%=%-nodepend) .WAIT _dc
542 _dc:                $(DCSUBDIRS:%=%-nodepend)
544 # Library interdependencies are called out explicitly here.
545 ../cmd/sgs/libconv: crt
546 ../cmd/sgs/libdl: crt
547 libc:                ../cmd/sgs/libconv ../cmd/sgs/libdl
549 libm:                libc
550 libmd:                libc
551 libmp:                libc
552 libnsl:                libc libmd libmp
553 libnvpair:            libc libnsl
554 libsocket:            libc libnsl
556 basedeps:            libc libm libmd libmp libnsl libnvpair libsocket
557 basedeps :=          TARGET=install
559 # The following dependencies are currently required by libdbus-1 and should
560 # be used for anything linking against it.
561 dbusdeps:            libsecdb libtsol libinetutil libscf libuutil libgen libsmbios
563 # The following dependencies don't need to be listed below as they are built
564 # before everything else:
565 # libc libm libmd libmp libnsl libnvpair libsocket
566 abi:                  libctf libmapmalloc libproc
567 auditd_plugins:      libbsm libsecdb libgss libmtmalloc
568 brand:                libzonecfg libmapmalloc
569 cfgadm_plugins:      libdevice libdevinfo libhotplug librcm hbaapi libkstat libscf
570 fm:                   libxacct libipmi libzfs scsi libdevinfo libdevinfo libcfgadm \
571                   libcontract libsysevent ../cmd/sgs/libelf libldadm libfff \
572                   libpcidb libdiskmgt
572                   libpcidb
573 $(SPARC_BLD)fm:      libpri
574 gss_mechs/mech_dh:    libgss
575 gss_mechs/mech_dummy: libgss
576 gss_mechs/mech_krb5: libgss libresolv2 pkcs11 libkstat
577 gss_mechs/mech_spnego: gss_mechs/mech_krb5
578 hal:                  dbusdeps
579 krb5:                 gss_mechs/mech_krb5 libtecla libldap5
580 libadt_jni:           libbsm
581 libadutills:          libldap5 libresolv2
582 libbe:                libzfs libinstzones libuutil libgen libdevinfo libelf libfi libfi
583 libbsm:                libinetutil libscf libsecdb libtsol
584 libcfgadm:            libdevinfo
585 libcmd:                libsum libast
586 libcmdutills:         libavl
587 libpcp:                libpcpx
588 libcrypt:             libgen

```

```

589 libdevinfo:          libdevinfo
590 libdevinfo:           libsec libgen
591 libdhcpcagent:        libdhcputil libuuid libdlpi libcontract
592 libdhcputil:          libgen libinetutil libdlpi
593 libdiskmgt:           libdevinfo libdevinfo libadm libelf libkstat libsysevent
594 $(INTEL_BLD)libdiskmgt: libfdisk
595 libldadm:              libdevinfo libinetutil libscf librcm libxacct libkstat \
596                       libpool
597 libdll:                libast
598 libdlpi:               libinetutil libldadm
599 libds:                 libsysevent
600 libdtrace:            libproc libgen libctf libmapmalloc
601 libdtrace_jni:        libuutil libdtrace
602 libelf:                libuuid libsmbios
603 libelfsign:           libcryptoutil libkmf ../cmd/sgs/libelf
604 libeti:                libcurses
605 libxacct/demo:        libxacct libproject
606 libfakekernel:        libumem libcryptoutil
607 libfcoe:               libldadm
608 libfi:                 libuuid libumem
609 libfru:                libfruutils
610 libfsmgt:              libkstat
611 libgrubmgt:           libdevinfo libzfs libfstyp libelf
612 $(INTEL_BLD)libgrubmgt: libfdisk
613 libidmap:              libavl libuutil
614 libinetsvc:            libscf
615 libinstzones:         libzonecfg libcontract
616 libipadm:              libinetutil libdlpi libdhcpcagent libldadm libsecdb libdhcputil
617 libipmp:               libinetutil
618 libipsecutil:         libtecla libtsol
619 libiscsit:             libstmf libuuid
620 libkfm:                libcryptoutil pkcs11
621 libkvm:                ../cmd/sgs/libelf
622 libldap5:              libsas1
623 libmapid:              libresolv2 libscf
624 libmlrpc:              libsmbs libuuid
625 libndmp:               libscf
626 libnisdb:              libldap5
627 libnwm:                libscf libbsm libldadm libipadm
628 libpcp:                libumem libdevinfo
629 libpcpx:               libproc
630 libpkg:                libscf libadm
631 libpool:               libscf libxacct
632 libpp:                 libast
633 libproc:               ../cmd/sgs/librtld_db ../cmd/sgs/libelf libctf
634 $(INTEL_BLD)libproc: libsaveargs
635 libproject:           libpool libproc libsecdb
636 libprtdiag:           libkstat
637 libprtdiag_psr:       libprtdiag
638 libraidcfg:            libdevinfo
639 librestart:            libuutil libscf libpool libproject libsecdb libsysevent
640 libsas1:               libgss pkcs11
641 libsaveargs:           libdisasm
642 libscf:                libuutil libgen libsmbios
643 libsec:                libavl libidmap
644 libfff:                libnvpair
645 libshare:              libscf libzfs libuuid libfsmgt libsecdb libumem libsmbs
646 libshell:              libast libcmd libdll libsecdb
647 libsip:                libmd5
648 libslldap:             libldap5 libscf
649 libsmbs:               libkrb5 libsec libidmap pkcs11
650 libsmbios:             libdevinfo
651 libsrpt:               libstmf
652 libstmf:               libscf
653 libstmfproxy:         libstmf libpthread
654 libsum:                libast

```



```

655 libsun_ima: libdevinfo libsyssevent
656 libsyssevent: libsecdb
657 libtecla: libcurses
658 libtermcap: libcurses
659 libtftctl: ../cmd/sgs/libelf
660 libtsalarm: libpcp
661 libtsnet: libtsol libsecdb
662 libtsol: libsecdb
663 libuuid: libdlpi
664 libv12n: libds libuuid
665 libvolmgt: libadm
666 libvrrpadm: libdladm libscf
667 libvscan: libscf libsecdb
668 libzfs: libdevic libgen libuutil libadm libavl libefi libidmap \
669 libumem libtsol libzfs_core
670 libzfs_jni: libdiskmgt libzfs
671 libzonecfg: libuutil libsyssevent libsec libbrand libpool libscf libproc \
672 libuutil libbsm libsecdb
673 libzonestat: libcmdutils libumem
674 libzpool: libavl libumem libcmdutils libsyssevent libfakekernel
675 madv: libgen
676 mpapi: libpthread libdevinfo libsyssevent
677 mpss: libgen
678 nsswitch: libadutils libidmap libdns_sd libscf libldap5 libslldap
679 pam_modules: libproject passwdutil smbsrv libtsnet libpam libbsm libsecdb
680 passwdutil: libldap
681 pkcs11: libcryptoutil libgen libuuid
682 policykit: dbusdeps
683 print: libldap5 libmd5 libsendfile
684 pylibbe: libbe libzfs
685 pysolaris: libsec libidmap
686 pyzfs: libzfs
687 raidcfg_plugins: libraidcfg librcm libcfgadm libpicl libpicltree
688 rpcsec_gss: libgss
689 sasl_plugins: pkcs11 libgss libsasl
690 scsi: libfru libumem libdevic libdevinfo
691 smbsrv: libxnet libpthread librt libshare libidmap pkcs11 libsqlite \
692 libcryptoutil librepase libcmdutils libresolv2 libsmbs \
693 libuutil libfakekernel libads libgss libldap5 krb5 libmlrpc
694 storage: libdevice libdevinfo libdevic
695 sun_fc: libdevinfo libsyssevent
696 sun_sas: libdevinfo libsyssevent libkstat libdevic
697 udapl: libdevinfo libldadm

699 #
700 # The reason this rule checks for the existence of the
701 # Makefile is that some of the directories do not exist
702 # in certain situations (e.g., exportable source builds,
703 # OpenSolaris).
704 #
705 $(SUBDIRS): FRC
706     @if [ -f $@/Makefile ]; then \
707         cd $@; pwd; $(MAKE) $(TARGET); \
708     else \
709         true; \
710     fi

712 $(SUBDIRS:%=%-nodepend):
713     @if [ -f $@:%-nodepend=%/Makefile ]; then \
714         cd $@:%-nodepend=%; pwd; $(MAKE) $(TARGET); \
715     else \
716         true; \
717     fi

719 FRC:

```

```

*****
23565 Wed Sep 19 23:19:50 2018
new/usr/src/lib/libc/amd64/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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) 2004, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2016 Joyent, Inc.
25 # Copyright (c) 2013, OmniTI Computer Consulting, Inc. All rights reserved.
26 # Copyright 2013 Garrett D'Amore <garrett@damore.org>
27 # Copyright 2018 Nexenta Systems, Inc.
28 #
29 #
30 LIBCBASE= .
31 LIBCDIR= $(SRC)/lib/libc
32 LIBRARY= libc.a
33 LIB_PIC= libc_pic.a
34 VERS= .1
35 CPP= /usr/lib/cpp
36 TARGET_ARCH= amd64
37 #
38 # include comm page definitions
39 include $(SRC)/lib/commpage/Makefile.shared.com
40 include $(SRC)/lib/commpage/Makefile.shared.targ
41 #
42 # objects are grouped by source directory
43 #
44 # local objects
45 STRETS=
46 #
47 CRTOBS= \
48     cerror.o
49 #
50 DYNOBJS=
51 #
52 FPOBJS= \
53     fpgetmask.o \
54     fpgetround.o \
55     fpsetmask.o \
56     fpsetround.o \
57     fpstart.o \
58     ieee.o
59 #
60 I386FPOBJS= \
61     _D_cplx_div.o \

```

```

62     _D_cplx_div_ix.o \
63     _D_cplx_div_rx.o \
64     _D_cplx_lr_div.o \
65     _D_cplx_lr_div_ix.o \
66     _D_cplx_lr_div_rx.o \
67     _D_cplx_mul.o \
68     _F_cplx_div.o \
69     _F_cplx_div_ix.o \
70     _F_cplx_div_rx.o \
71     _F_cplx_lr_div.o \
72     _F_cplx_lr_div_ix.o \
73     _F_cplx_lr_div_rx.o \
74     _F_cplx_mul.o \
75     _X_cplx_div.o \
76     _X_cplx_div_ix.o \
77     _X_cplx_div_rx.o \
78     _X_cplx_lr_div.o \
79     _X_cplx_lr_div_ix.o \
80     _X_cplx_lr_div_rx.o \
81     _X_cplx_mul.o
82 #
83 FPASMOBJS= \
84     __xgetRD.o \
85     _xtoll.o \
86     _xtoull.o \
87     _base_il.o \
88     fpcw.o \
89     fpgetsticky.o \
90     fpsetsticky.o
91 #
92 ATOMICOBJS= \
93     atomic.o
94 #
95 CHACHAOBJS= \
96     chacha.o
97 #
98 KATTOBJS= \
99     xattr_common.o
100 COMOBJS= \
101     bcmp.o \
102     bcopy.o \
103     bsearch.o \
104     bzero.o \
105     qsort.o \
106     strtol.o \
107     strtoul.o \
108     strtoll.o \
109     strtoull.o
110 #
111 GENOBJS= \
112     $(COMMPAGE_OBJS) \
113     _getsp.o \
114     abs.o \
115     alloca.o \
116     arc4random.o \
117     arc4random_uniform.o \
118     attrat.o \
119     byteorder.o \
120     cuexit.o \
121     ecvt.o \
122     endian.o \
123     errlst.o \
124     amd64_data.o \
125     ldivide.o \
126     lock.o \
127     makeectxt.o

```

new/usr/src/lib/libc/amd64/Makefile

```

128     memccpy.o  \
129     memchr.o  \
130     memcmp.o  \
131     memcpy.o  \
132     memset.o  \
133     new_list.o \
134     proc64_id.o \
135     proc64_support.o \
136     setjmp.o  \
137     siginfolst.o \
138     siglongjmp.o \
139     strcmp.o  \
140     strcpy.o  \
141     strlen.o  \
142     strncmp.o \
143     strncpy.o \
144     strnlen.o \
145     sync_instruction_memory.o

```

```

147 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
148 # This macro should ALWAYS be empty; native APIs are already 'large file'.
149 COMSYSOBSJS64=

```

```

151 SYSOBSJS64=

```

```

153 COMSYSOBSJS= \
154     __clock_timer.o \
155     __getloadavg.o \
156     __rusagesys.o \
157     __signotify.o \
158     __sigrt.o \
159     __time.o \
160     _lgrp_home_fast.o \
161     _lgrpsys.o \
162     _nfssys.o \
163     _portfs.o \
164     _pset.o \
165     _rpcsys.o \
166     _sigaction.o \
167     _so_accept.o \
168     _so_bind.o \
169     _so_connect.o \
170     _so_getpeername.o \
171     _so_getsockname.o \
172     _so_getsockopt.o \
173     _so_listen.o \
174     _so_recv.o \
175     _so_recvfrom.o \
176     _so_recvmsg.o \
177     _so_send.o \
178     _so_sendmsg.o \
179     _so_sendto.o \
180     _so_setsockopt.o \
181     _so_shutdown.o \
182     _so_socket.o \
183     _so_socketpair.o \
184     _sockconfig.o \
185     acct.o \
186     acl.o \
187     adjtime.o \
188     alarm.o \
189     brk.o \
190     chdir.o \
191     chroot.o \
192     cladm.o \
193     close.o \

```

3

new/usr/src/lib/libc/amd64/Makefile

```

194     execve.o  \
195     exit.o    \
196     facl.o    \
197     fchdir.o  \
198     fchroot.o \
199     fdsync.o  \
200     fpathconf.o \
201     fstatfs.o \
202     fstatvfs.o \
203     getcpuid.o \
204     getdents.o \
205     getegid.o \
206     geteuid.o \
207     getgid.o  \
208     getgroups.o \
209     gethrtime.o \
210     getitimer.o \
211     getmsg.o  \
212     getpid.o  \
213     getpmsg.o \
214     getppid.o \
215     getrandom.o \
216     getrlimit.o \
217     getuid.o  \
218     gtty.o    \
219     install_utrap.o \
220     ioctl.o  \
221     kaio.o   \
222     kill.o   \
223     llseek.o \
224     lseek.o  \
225     mmapobjsys.o \
226     memcntl.o \
227     mincore.o \
228     mmap.o   \
229     modctl.o \
230     mount.o  \
231     mprotect.o \
232     munmap.o \
233     nice.o   \
234     ntp_adjtime.o \
235     ntp_gettime.o \
236     p_online.o \
237     pathconf.o \
238     pause.o  \
239     pcsample.o \
240     pipe2.o  \
241     pollsys.o \
242     pread.o  \
243     preadv.o \
244     priocntlset.o \
245     processor_bind.o \
246     processor_info.o \
247     profil.o \
248     psecflagsset.o \
249     putmsg.o \
250     putpmsg.o \
251     pwrite.o \
252     pwritev.o \
253     read.o   \
254     readv.o \
255     resolvepath.o \
256     seteguid.o \
257     setgid.o \
258     setgroups.o \
259     setitimer.o \

```

4

new/usr/src/lib/libc/amd64/Makefile

```

260      setreid.o          \
261      setrlimit.o       \
262      setuid.o          \
263      sigaltstk.o      \
264      sigprocmsk.o     \
265      sigsendset.o     \
266      sigsuspend.o     \
267      statfs.o         \
268      statvfs.o        \
269      stty.o           \
270      sync.o           \
271      sysconfig.o      \
272      sysfs.o          \
273      sysinfo.o        \
274      syslwp.o         \
275      times.o          \
276      ulimit.o         \
277      umask.o          \
278      umount2.o        \
279      utssys.o         \
280      uucopy.o         \
281      vhangup.o        \
282      waitid.o         \
283      write.o          \
284      writev.o         \
285      yield.o          \
\
287 SYSOBJS=
288     __clock_gettime.o  \
289     __clock_gettime_sys.o \
290     __getcontext.o    \
291     __uadmin.o        \
292     __lwp_mutex_unlock.o \
293     __stack_grow.o   \
294     door.o            \
295     forkx.o           \
296     forkallx.o       \
297     getcontext.o     \
298     gettimeofday.o   \
299     lwp_private.o    \
300     nuname.o         \
301     syscall.o        \
302     sysi86.o         \
303     tls_get_addr.o   \
304     uadmin.o         \
305     umount.o         \
306     uname.o          \
307     vforkx.o         \
\
309 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
310 # This macro should ALWAYS be empty; native APIs are already 'large file'.
311 PORTGEN64=
\
313 # objects from source under $(LIBCDIR)/port
314 PORTFP=
315     __flt_decim.o     \
316     __flt_rounds.o   \
317     __tbl_10_b.o     \
318     __tbl_10_h.o     \
319     __tbl_10_s.o     \
320     __tbl_2_b.o      \
321     __tbl_2_h.o      \
322     __tbl_2_s.o      \
323     __tbl_fdq.o      \
324     __tbl_tens.o     \
325     __x_power.o      \

```

5

new/usr/src/lib/libc/amd64/Makefile

```

326     _base_sup.o      \
327     aconvert.o       \
328     decimal_bin.o    \
329     double_decim.o   \
330     econvert.o       \
331     fconvert.o       \
332     file_decim.o     \
333     finite.o         \
334     fp_data.o        \
335     func_decim.o     \
336     gconvert.o       \
337     hex_bin.o        \
338     ieee_globals.o   \
339     pack_float.o     \
340     sigfpe.o         \
341     string_decim.o   \
\
343 PORTGEN=
344     _env_data.o      \
345     _xftw.o          \
346     a64l.o           \
347     abort.o          \
348     addsev.o         \
349     ascii_strcasecmp.o \
350     ascii_strncasecmp.o \
351     assert.o         \
352     atexit.o         \
353     atfork.o         \
354     atof.o           \
355     atoi.o           \
356     atol.o           \
357     atoll.o          \
358     attropen.o       \
359     basename.o       \
360     calloc.o         \
361     catgets.o        \
362     catopen.o        \
363     cfgetispeed.o    \
364     cfgetospeed.o   \
365     cfree.o          \
366     cfsetispeed.o   \
367     cfsetospeed.o   \
368     cftime.o         \
369     clock.o          \
370     closedir.o       \
371     closefrom.o     \
372     confstr.o        \
373     crypt.o          \
374     csetlen.o        \
375     ctime.o          \
376     ctime_r.o        \
377     daemon.o         \
378     default.o        \
379     directio.o       \
380     dirname.o        \
381     div.o            \
382     drand48.o        \
383     dup.o            \
384     env_data.o       \
385     err.o            \
386     errno.o          \
387     euclen.o         \
388     event_port.o     \
389     execvp.o         \
390     explicit_bzero.o \
391     fattach.o        \

```

6

```

392     fdetach.o          \
393     fdopendir.o       \
394     ffs.o             \
395     flock.o           \
396     fls.o             \
397     fmtmsg.o          \
398     freezer.o         \
399     ftime.o           \
400     ftok.o            \
401     fts.o             \
402     ftw.o             \
403     gcvt.o            \
404     get_nprocs.o      \
405     getauxv.o         \
406     getcwd.o          \
407     getdate_err.o    \
408     getdtblsize.o    \
409     getentropy.o     \
410     getenv.o          \
411     getexecname.o    \
412     getgrnam.o        \
413     getgrnam_r.o     \
414     gethostid.o      \
415     gethostname.o    \
416     gethz.o           \
417     getisax.o         \
418     getloadavg.o     \
419     getlogin.o        \
420     getmntent.o      \
421     getnetgrent.o    \
422     getopt.o          \
423     getopt_long.o    \
424     getpagesize.o    \
425     getpw.o           \
426     getpwnam.o       \
427     getpwnam_r.o     \
428     getrusage.o       \
429     getspent.o        \
430     getspent_r.o     \
431     getsuopt.o        \
432     gettxt.o          \
433     getusershell.o   \
434     getut.o           \
435     getutx.o          \
436     getvfsent.o       \
437     getwd.o           \
438     getwidth.o        \
439     getxby_door.o    \
440     gtxt.o            \
441     hsearch.o         \
442     iconv.o           \
443     imaxabs.o         \
444     imaxdiv.o         \
445     index.o           \
446     initgroups.o     \
447     insque.o          \
448     isaexec.o         \
449     isastream.o      \
450     isatty.o          \
451     killpg.o          \
452     klpdlb.o          \
453     l64a.o            \
454     lckpwndf.o        \
455     lconstants.o     \
456     lexp10.o          \
457     lfind.o           \

```

```

458     lfmt.o            \
459     lfmt_log.o        \
460     lldiv.o           \
461     llog10.o          \
462     lltostr.o         \
463     lmath.o           \
464     localtime.o       \
465     lsearch.o         \
466     madvise.o         \
467     malloc.o          \
468     memalign.o        \
469     memmem.o          \
470     memset_s.o        \
471     mkdev.o           \
472     mkdtemp.o         \
473     mkfifo.o          \
474     mkstemp.o         \
475     mktemp.o          \
476     mlock.o           \
477     mlockall.o        \
478     mon.o             \
479     msync.o           \
480     munlock.o         \
481     munlockall.o     \
482     ndbm.o            \
483     nftw.o            \
484     nlspath_checks.o  \
485     nsparse.o         \
486     nss_common.o      \
487     nss_dbdefs.o     \
488     nss_deffinder.o   \
489     opendir.o         \
490     opt_data.o        \
491     perror.o          \
492     pfmt.o            \
493     pfmt_data.o       \
494     pfmt_print.o      \
495     pipe.o            \
496     plock.o           \
497     poll.o            \
498     posix_fadvise.o   \
499     posix_fallocate.o \
500     posix_madvise.o   \
501     posix_memalign.o  \
502     priocntl.o        \
503     priv_str_xlate.o  \
504     privlib.o         \
505     psecflags.o       \
506     psiginfo.o        \
507     psignal.o         \
508     pt.o              \
509     putpwent.o        \
510     putspent.o        \
511     raise.o           \
512     rand.o            \
513     random.o          \
514     rctlops.o         \
515     readdir.o         \
516     readdir_r.o       \
517     reallocarray.o    \
518     reallocarray.o    \
519     realpath.o        \
520     reboot.o          \
521     regexpr.o         \
522     remove.o          \
523     rewinddir.o       \

```

```

524     rindex.o           \
525     scandir.o         \
526     seekdir.o         \
527     select.o          \
528     set_constraint_handler_s.o \
529     setlabel.o        \
530     setpriority.o     \
531     settimeofday.o   \
532     sh_locks.o        \
533     sigflag.o         \
534     siglist.o         \
535     sigsend.o         \
536     sigsetops.o       \
537     ssignal.o         \
538     stack.o           \
539     stpcpy.o          \
540     stpncpy.o         \
541     str2sig.o         \
542     strcase_ucharmp.o \
543     strcat.o          \
544     strchr.o          \
545     strchrnul.o       \
546     strcspn.o         \
547     strdup.o          \
548     strerror.o        \
549     strlcat.o         \
550     strlcpy.o         \
551     strncat.o         \
552     strndup.o         \
553     strpbrk.o         \
554     strrchr.o         \
555     strsep.o          \
556     strsignal.o       \
557     strspn.o          \
558     strstr.o          \
559     strtod.o          \
560     strtoumax.o       \
561     strtok.o          \
562     strtok_r.o        \
563     strtonum.o        \
564     strtoumax.o       \
565     swab.o            \
566     swapctl.o         \
567     sysconf.o         \
568     syslog.o          \
569     tcdrain.o         \
570     tcflow.o          \
571     tcflush.o         \
572     tcgetattr.o       \
573     tcgetpgrp.o       \
574     tcgetsid.o        \
575     tcsendbreak.o     \
576     tcsetattr.o       \
577     tcsetpgrp.o       \
578     tell.o            \
579     telldir.o         \
580     tfind.o           \
581     time_data.o       \
582     time_gdata.o      \
583     timespec_get.o    \
584     tls_data.o        \
585     truncate.o        \
586     tsdalloc.o        \
587     tsearch.o         \
588     ttyname.o         \
589     ttyslot.o         \

```

```

590     ualarm.o          \
591     ucred.o           \
592     valloc.o          \
593     vlfmt.o           \
594     vpfmt.o           \
595     waitpid.o         \
596     walkstack.o       \
597     wdata.o           \
598     xgetwidth.o       \
599     xpg4.o            \
600     xpg6.o            \
602 PORTINET=           \
603     inet_lnaof.o      \
604     inet_makeaddr.o  \
605     inet_network.o   \
606     inet_ntoa.o      \
607     inet_ntop.o      \
608     inet_pton.o      \
610 PORTPRINT_W=        \
611     doprnt_w.o       \
613 PORTPRINT=          \
614     asprintf.o       \
615     doprnt.o          \
616     fprintf.o         \
617     printf.o          \
618     snprintf.o        \
619     sprintf.o         \
620     vfprintf.o        \
621     vprintf.o         \
622     vsnprintf.o       \
623     vsprintf.o        \
624     vwprintf.o        \
625     wprintf.o        \
627 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
628 # This macro should ALWAYS be empty; native APIs are already 'large file'.
629 PORTSTDIO64=
631 PORTSTDIO_W=        \
632     doscan_w.o       \
634 PORTSTDIO=          \
635     __extensions.o   \
636     _endopen.o        \
637     _filbuf.o         \
638     _findbuf.o        \
639     _flsbuf.o         \
640     _wrtchk.o         \
641     clearerr.o        \
642     ctermid.o         \
643     ctermid_r.o       \
644     cuserid.o         \
645     data.o            \
646     doscan.o          \
647     fdopen.o          \
648     feof.o            \
649     ferror.o          \
650     fgetc.o           \
651     fgets.o           \
652     fileno.o          \
653     flockf.o          \
654     flush.o           \
655     fopen.o           \

```

```

656      fpos.o           \
657      fputc.o         \
658      fputs.o        \
659      fread.o        \
660      fseek.o        \
661      fseeko.o       \
662      ftell.o        \
663      ftello.o       \
664      fwrite.o       \
665     getc.o          \
666      getchar.o      \
667      getline.o     \
668      getpass.o     \
669      gets.o         \
670      getw.o         \
671      mse.o          \
672      popen.o       \
673      putc.o        \
674      putchar.o     \
675      puts.o        \
676      putw.o        \
677      rewind.o      \
678      scanf.o       \
679      setbuf.o       \
680      setbuffer.o   \
681      setvbuf.o     \
682      system.o      \
683      tmpnam.o      \
684      tmpfile.o     \
685      tmpnam_r.o    \
686      ungetc.o      \
687      vscanf.o     \
688      vwscanf.o    \
689      wscanf.o     \
\
691 PORTI18N= \
692      getwchar.o   \
693      putwchar.o  \
694      putws.o     \
695      strtows.o   \
696      wcsnlen.o   \
697      wcsstr.o    \
698      wcstoimax.o \
699      wcstol.o    \
700      wcstoul.o   \
701      wcswcs.o   \
702      wmemchr.o   \
703      wmemcmp.o   \
704      wmemcpy.o   \
705      wmemmove.o  \
706      wmemset.o   \
707      wscat.o     \
708      wschr.o     \
709      wscmp.o     \
710      wscpy.o     \
711      wscspn.o    \
712      wsdup.o     \
713      wslen.o     \
714      wscat.o     \
715      wscmp.o     \
716      wscpy.o     \
717      wspbkr.o    \
718      wprintf.o   \
719      wsrchr.o    \
720      wscanf.o    \
721      wsspfn.o    \

```

```

722      wstod.o       \
723      wstok.o       \
724      wstol.o       \
725      wstoll.o     \
726      wxfrm.o       \
727      gettext.o    \
728      gettext_gnu.o \
729      gettext_real.o \
730      gettext_util.o \
731      plural_parser.o \
732      wdresolve.o   \
733      _ctype.o      \
734      isascii.o     \
735      toascii.o     \
\
737 PORTI18N_COND= \
738      wcstol_longlong.o \
739      wcstoul_longlong.o \
\
741 PORTLOCALE= \
742      big5.o        \
743      btowc.o       \
744      collate.o     \
745      collcmp.o    \
746      euc.o         \
747      fnmatch.o    \
748      fgetwc.o     \
749      fgetws.o     \
750      fix_grouping.o \
751      fputwc.o     \
752      fputws.o     \
753      fwide.o       \
754      gb18030.o    \
755      gb2312.o     \
756      gbk.o        \
757      getdate.o    \
758      isdigit.o    \
759      iswctype.o   \
760      ldpert.o     \
761      lmessages.o  \
762      lnumeric.o   \
763      lmonetary.o  \
764      localeconv.o \
765      localeimpl.o \
766      mbftowc.o    \
767      mblen.o      \
768      mbrlen.o     \
769      mbrtowc.o    \
770      mbsinit.o    \
771      mbsnrto wcs.o \
772      mbsrtowcs.o \
773      mbstowcs.o   \
774      mbtowc.o     \
775      mskanji.o    \
776      nextwctype.o \
777      nl_langinfo.o \
778      none.o       \
779      rune.o       \
780      runetype.o   \
781      setlocale.o  \
782      setrunelocale.o \
783      strcasecmp.o \
784      strcasestr.o \
785      strcoll.o    \
786      strfmon.o    \
787      strftime.o   \

```

```

788      strncasecmp.o  \
789      strptime.o    \
790      strxfrm.o     \
791      table.o       \
792      timelocal.o   \
793      tolower.o     \
794      tolower.o     \
795      ungetwc.o     \
796      utf8.o        \
797      wcrtime.o     \
798      wcsnrtombs.o  \
799      wcscoll.o     \
800      wcsftime.o    \
801      wcsnrtombs.o  \
802      wcsrtombs.o   \
803      wcswidth.o    \
804      wcstombs.o    \
805      wcsxfrm.o     \
806      wctob.o       \
807      wctomb.o      \
808      wctrans.o     \
809      wctype.o      \
810      wcwidth.o    \
811      wscoll.o      \
\
813 AIOBJS= \
814      aio.o \
815      aio_alloc.o \
816      posix_aio.o \
\
818 RTOBJS= \
819      clock_timer.o \
820      mqueue.o \
821      posixobj.o \
822      sched.o \
823      sem.o \
824      shm.o \
825      sigev_thread.o \
\
827 SECFLAGSOBJS= \
828      secflags.o \
\
830 TPOOLBJS= \
831      thread_pool.o \
\
833 THREADSOBJS= \
834      alloc.o \
835      assfail.o \
836      cll_thr.o \
837      cancel.o \
838      door_calls.o \
839      tmem.o \
840      pthr_attr.o \
841      pthr_barrier.o \
842      pthr_cond.o \
843      pthr_mutex.o \
844      pthr_rwlock.o \
845      pthread.o \
846      rwlock.o \
847      scalls.o \
848      sema.o \
849      sigaction.o \
850      spawn.o \
851      synch.o \
852      tdb_agent.o \
853      thr.o \

```

```

854      thread_interface.o \
855      tls.o \
856      tsd.o \
\
858 THREADSMACHOBJS= \
859      machdep.o \
\
861 THREADSASMOBJS= \
862      asm_subr.o \
\
864 UNICODOBJS= \
865      u8_textprep.o \
866      uconv.o \
\
868 UNWINDMACHOBJS= \
869      call_frame_inst.o \
870      eh_frame.o \
871      thrp_unwind.o \
872      unwind.o \
\
874 pics/unwind.o:= COPTFLAG64 = \
\
876 UNWINDASMOBJS= \
877      unwind_frame.o \
\
879 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
880 # This macro should ALWAYS be empty; native APIs are already 'large file'.
881 PORTSYS64= \
\
883 PORTSYS= \
884      _autofssys.o \
885      access.o \
886      acctctl.o \
887     bsd_signal.o \
888      chmod.o \
889      chown.o \
890      corectl.o \
891      epoll.o \
892      exaccts.o \
893      execl.o \
894      execl.o \
895      execv.o \
896      eventfd.o \
897      fcntl.o \
898      getpagesizes.o \
899      getpeerucred.o \
900      inst_sync.o \
901      issetugid.o \
902      label.o \
903      link.o \
904      lockf.o \
905      lwp.o \
906      lwp_cond.o \
907      lwp_rwlock.o \
908      lwp_sigmask.o \
909      meminfosys.o \
910      mkdir.o \
911      mknod.o \
912      msgsys.o \
913      nfssys.o \
914      open.o \
915      pgrp.o \
916      posix_sigwait.o \
917      ppriv.o \
918      psetsys.o \
919      rctlsys.o \

```



```

920      readlink.o      \
921      rename.o        \
922      sbrk.o           \
923      semsys.o         \
924      set_errno.o     \
925      sharefs.o       \
926      shmsys.o        \
927      sidsys.o         \
928      siginterrupt.o  \
929      signal.o         \
930      signalfd.o      \
931      sigpending.o    \
932      sigstack.o      \
933      stat.o           \
934      symlink.o       \
935      tasksys.o       \
936      time.o           \
937      time_util.o     \
938      timerfd.o       \
939      ucontext.o      \
940      unlink.o        \
941      ustat.o         \
942      utimesys.o     \
943      zone.o          \

945 PORTREGEX=         \
946      glob.o          \
947      regcmp.o        \
948      regcomp.o       \
949      regerror.o      \
950      regex.o         \
951      regexec.o       \
952      regfree.o       \
953      wordexp.o       \

955 VALUES=           \
956      values-Xa.o     \

958 MOSTOBSJS=         \
959      $(STRETS)       \
960      $(CRTOBSJS)     \
961      $(DYNOBJS)      \
962      $(FPOBJS)       \
963      $(I386FPOBJS)   \
964      $(FPASMOBJS)    \
965      $(ATOMICOBJS)  \
966      $(CHACHAOBJS)   \
967      $(XATROBJS)     \
968      $(COMOBJS)      \
969      $(GENOBJS)      \
970      $(PORTFP)       \
971      $(PORTGEN)      \
972      $(PORTGEN64)    \
973      $(PORTI18N)     \
974      $(PORTI18N_COND) \
975      $(PORTINET)     \
976      $(PORTLOCALE)   \
977      $(PORTPRINT)    \
978      $(PORTPRINT_W)  \
979      $(PORTREGEX)     \
980      $(PORTSTDIO)    \
981      $(PORTSTDIO64)  \
982      $(PORTSTDIO_W)  \
983      $(PORTSYS)      \
984      $(PORTSYS64)    \
985      $(AIOOBJS)      \

```

```

986      $(RTOBJS)       \
987      $(SECFLAGSOBJS) \
988      $(TPOOLBJS)     \
989      $(THREADSOBJS)  \
990      $(THREADSMACHOBJS) \
991      $(THREADSASMOBJS) \
992      $(UNICODEOBJS)  \
993      $(UNWINDMACHOBJS) \
994      $(UNWINDASMOBJS) \
995      $(COMSYSOBSJS)  \
996      $(SYSOBSJS)     \
997      $(COMSYSOBSJS64) \
998      $(SYSOBSJS64)   \
999      $(VALUES)       \

1001 TRACEOBSJS=       \
1002      plockstat.o    \

1004 # NOTE: libc.so.1 must be linked with the minimal crti.o and crtn.o
1005 # modules whose source is provided in the $(SRC)/lib/crt directory.
1006 # This must be done because otherwise the Sun C compiler would insert
1007 # its own versions of these modules and those versions contain code
1008 # to call out to C++ initialization functions. Such C++ initialization
1009 # functions can call back into libc before thread initialization is
1010 # complete and this leads to segmentation violations and other problems.
1011 # Since libc contains no C++ code, linking with the minimal crti.o and
1012 # crtn.o modules is safe and avoids the problems described above.
1013 OBJECTS= $(CRTI) $(MOSTOBSJS) $(CRTN)
1014 CRTSRCS= ../../crt/amd64

1016 # include common library definitions
1017 include ../../Makefile.lib
1018 include ../../Makefile.lib.64

1020 CFLAGS64 += $(CTF_FLAGS)

1022 # This is necessary to avoid problems with calling _ex_unwind().
1023 # We probably don't want any inlining anyway.
1024 CFLAGS64 += -xinline=

1026 CERRWARN += -_gcc=-Wno-parentheses
1027 CERRWARN += -_gcc=-Wno-switch
1028 CERRWARN += -_gcc=-Wno-uninitialized
1029 CERRWARN += -_gcc=-Wno-unused-value
1030 CERRWARN += -_gcc=-Wno-unused-label
1031 CERRWARN += -_gcc=-Wno-unused-variable
1032 CERRWARN += -_gcc=-Wno-type-limits
1033 CERRWARN += -_gcc=-Wno-char-subscripts
1034 CERRWARN += -_gcc=-Wno-clobbered
1035 CERRWARN += -_gcc=-Wno-unused-function
1036 CERRWARN += -_gcc=-Wno-address

1038 # Setting THREAD_DEBUG = -DTHREAD_DEBUG (make THREAD_DEBUG=-DTHREAD_DEBUG ...)
1039 # enables ASSERT() checking in the threads portion of the library.
1040 # This is automatically enabled for DEBUG builds, not for non-debug builds.
1041 THREAD_DEBUG =
1042 $(NOT_RELEASE_BUILD)THREAD_DEBUG = -DTHREAD_DEBUG

1044 # Make string literals read-only to save memory
1045 CFLAGS64 += $(XSTRCONST)

1047 ALTPICS= $(TRACEOBSJS:%=pics/%)

1049 $(DYNLIB) := BUILD.SO = $(LD) -o $@ -G $(DYNFLAGS) $(PICS) $(ALTPICS) $(EXTPICS)

1051 MAPFILES =          $(LIBCDIR)/port/mapfile-vers

```

```

1053 CPPFLAGS=      -D_REENTRANT -D$(MACH64) -D_$(MACH64) $(THREAD_DEBUG) \
1054                -I. -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc $(CPPFLAGS.master)
1055 ASFLAGS=         $(AS_PICFLAGS) -P -D__STDC__ -D_ASM $(CPPFLAGS) \
1056                $(amd64_AS_XARCH)

1058 # As a favor to the dtrace syscall provider, libc still calls the
1059 # old syscall traps that have been obsoleted by the *at() interfaces.
1060 # Delete this to compile libc using only the new *at() system call traps
1061 CPPFLAGS += -D_RETAIN_OLD_SYSCALLS

1063 # proc64_id.o is built with defines in $(SRC)/uts/intel/sys/x86_archext.h
1064 pics/proc64_id.o      := CFLAGS64 += -I$(SRC)/uts/intel

1066 # Inform the run-time linker about libc specialized initialization
1067 RTLDINFO =          -z rtldinfo=tls_rtldinfo
1068 DYNFLAGS +=        $(RTLDINFO)

1070 # Force libc's internal references to be resolved immediately upon loading
1071 # in order to avoid critical region problems. Since almost all libc symbols
1072 # are marked 'protected' in the mapfiles, this is a minimal set (15 to 20).
1073 DYNFLAGS +=        -znow

1075 BUILD.s=          $(AS) $(ASFLAGS) $< -o $@

1077 # Override this top level flag so the compiler builds in its native
1078 # C99 mode. This has been enabled to support the complex arithmetic
1079 # added to libc.
1080 CSTD=              $(CSTD_GNU99)

1082 # libc method of building an archive
1083 # The "$(GREP) -v ' L '" part is necessary only until
1084 # lorder is fixed to ignore thread-local variables.
1085 BUILD.AR=          $(RM) $@ ; \
1086                  $(AR) q $@ '$(LORDER) $(MOSTOBSJS:%=$(DIR)/%) | $(GREP) -v ' L ' | $(TSOR

1088 # extra files for the clean target
1089 CLEANFILES +=      \
1090                  $(LIBCDIR)/port/gen/errlst.c  \
1091                  $(LIBCDIR)/port/gen/new_list.c \
1092                  assym.h                       \
1093                  genassym                     \
1094                  crt_rtld.s                    \
1095                  pics/crti.o                   \
1096                  pics/crtn.o                   \
1097                  $(ALTPICS)

1099 CLOBBERFILES +=   $(LIB_PIC)

1101 # list of C source for lint
1102 SRCS=              \
1103                  $(ATOMICOBJS:%=$(SRC)/common/atomic/%.c) \
1104                  $(XATTROBJS:%=$(SRC)/common/xattr/%.c)   \
1105                  $(COMOBSJS:%=$(SRC)/common/util/%.c)    \
1106                  $(PORTFP:%=$(LIBCDIR)/port/fp/%.c)      \
1107                  $(PORTGEN:%=$(LIBCDIR)/port/gen/%.c)    \
1108                  $(PORTI18N:%=$(LIBCDIR)/port/il8n/%.c)  \
1109                  $(PORTINET:%=$(LIBCDIR)/port/inet/%.c)  \
1110                  $(PORTLOCALE:%=$(LIBCDIR)/port/locale/%.c) \
1111                  $(PORTPRINT:%=$(LIBCDIR)/port/print/%.c) \
1112                  $(PORTREGEX:%=$(LIBCDIR)/port/regex/%.c) \
1113                  $(PORTSTDIO:%=$(LIBCDIR)/port/stdio/%.c) \
1114                  $(PORTSYS:%=$(LIBCDIR)/port/sys/%.c)    \
1115                  $(AIOOBJS:%=$(LIBCDIR)/port/aio/%.c)   \
1116                  $(RTOBJS:%=$(LIBCDIR)/port/rt/%.c)     \
1117                  $(SECFLAGSOBJS:%=$(SRC)/common/secflags/%.c) \

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```

1118                $(TPOOLOBJS:%=$(LIBCDIR)/port/tpool/%.c)  \
1119                $(THREADSOBJS:%=$(LIBCDIR)/port/threads/%.c) \
1120                $(THREADSMACHOBJS:%=threads/%.c)          \
1121                $(UNICODEOBJS:%=$(SRC)/common/unicode/%.c) \
1122                $(UNWINDMACHOBJS:%=unwind/%.c)            \
1123                $(FPOBJS:%=fp/%.c)                       \
1124                $(I386FPOBJS:%=$(LIBCDIR)/i386/fp/%.c)    \
1125                $(LIBCBASE)/gen/ecvt.c                   \
1126                $(LIBCBASE)/gen/makeectxt.c              \
1127                $(LIBCBASE)/gen/signfolst.c              \
1128                $(LIBCBASE)/gen/siglongjmp.c             \
1129                $(LIBCBASE)/gen/sync_instruction_memory.c \
1130                $(LIBCBASE)/sys/uadmin.c

1132 # conditional assignments
1133 # $(DYNLIB) $(LIB_PIC) := DYNOBJS = _rtbootld.o
1134 # $(DYNLIB) := CRTI = crt.i.o
1135 # $(DYNLIB) := CRTN = crtn.o

1137 # Files which need the threads .il inline template
1138 TIL=
1139 aio.o              \
1140 alloc.o           \
1141 assfail.o         \
1142 atexit.o          \
1143 atfork.o          \
1144 cancel.o          \
1145 door_calls.o     \
1146 err.o             \
1147 errno.o           \
1148 lwp.o             \
1149 ma.o              \
1150 machdep.o         \
1151 posix_aio.o       \
1152 pthread.o         \
1153 pthread_attr.o   \
1154 pthread_barrier.o \
1155 pthread_cond.o   \
1156 pthread_mutex.o  \
1157 pthread_rwlock.o \
1158 pthread.o        \
1159 rand.o            \
1160 rwlock.o         \
1161 scalls.o         \
1162 sched.o          \
1163 sema.o           \
1164 sigaction.o      \
1165 sigev_thread.o   \
1166 spawn.o          \
1167 stack.o          \
1168 synch.o          \
1169 tdb_agent.o      \
1170 thr.o            \
1171 thread_interface.o \
1172 thread_pool.o   \
1173 thrp_unwind.o   \
1174 tls.o            \
1175 tmem.o           \
1176 tsd.o

1177 $(TIL:%=pics/%) := CFLAGS64 += $(LIBCBASE)/threads/amd64.il

1179 # pics/mul64.o := CFLAGS64 += crt/mul64.il

1181 # large-file-aware components that should be built large

1183 #$(COMSYSOBSJS64:%=pics/%) := \

```

```

1184 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
1186 #$(SYSOBJS64:%=pics/%) := \
1187 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
1189 #$(PORTGEN64:%=pics/%) := \
1190 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
1192 #$(PORTSTDIO64:%=pics/%) := \
1193 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
1195 #$(PORTSYS64:%=pics/%) := \
1196 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64
1198 $(PORTSTDIO_W:%=pics/%) := \
1199 CPPFLAGS += -D_WIDE
1201 $(PORTPRINT_W:%=pics/%) := \
1202 CPPFLAGS += -D_WIDE
1204 $(PORTPRINT_C89:%=pics/%) := \
1205 CPPFLAGS += -D_C89_INTMAX32
1207 $(PORTSTDIO_C89:%=pics/%) := \
1208 CPPFLAGS += -D_C89_INTMAX32
1210 $(PORTI18N_COND:%=pics/%) := \
1211 CPPFLAGS += -D_WCS_LOGLONG
1213 pics/arc4random.o := CPPFLAGS += -I$(SRC)/common/crypto/chacha
1215 pics/__clock_gettime.o := CPPFLAGS += $(COMPAGE_CPPFLAGS)
1217 .KEEP_STATE:
1219 all: $(LIBS) $(LIB_PIC)
1221 lint := CPPFLAGS += -I$(LIBCDIR)/$(MACH)/fp
1222 lint := CPPFLAGS += -D_MSE_INT_H -D_LCONV_C99
1223 lint := LINTFLAGS64 += -mn -erroff=E_SUPPRESSION_DIRECTIVE_UNUSED
1225 lint:
1226 @echo $(LINT.c) ... $(LDLIBS)
1227 @$(LINT.c) $(SRCS) $(LDLIBS)
1229 $(LINTLIB):= SRCS=$(LIBCDIR)/port/llib-1c
1230 $(LINTLIB):= CPPFLAGS += -D_MSE_INT_H
1231 $(LINTLIB):= LINTFLAGS64=-nvx -m64
1233 # object files that depend on inline template
1234 $(TIL:%=pics/%) := $(LIBCDIR)/threads/amd64.il
1235 # pics/mul64.o: crt/mul64.il
1237 # include common libc targets
1238 include ../Makefile.targ
1240 # We need to strip out all CTF data from the static library
1241 $(LIB_PIC) := DIR = pics
1242 $(LIB_PIC): pics $$ (PICS)
1243 $(BUILD.AR)
1244 $(MCS) -d -n .SUNW_ctf $$@ > /dev/null 2>&1
1245 $(AR) -ts $$@ > /dev/null
1246 $(POST_PROCESS_A)
1248 ASSYMDEP_OBJS= \
1249 _lwp_mutex_unlock.o \

```

```

1250 _stack_grow.o \
1251 asm_subr.o \
1252 getcontext.o \
1253 setjmp.o \
1254 tls_get_addr.o \
1255 vforkx.o
1257 $(ASSYMDEP_OBJS:%=pics/%) := assym.h
1259 # assym.h build rules
1261 GENASSYM_C = genassym.c
1262 LDFLAGS.native = $(LDCHECKS) -zassert-deflib=libc.so -Bdirect
1263 #endif /* !codereview */
1265 genassym: $(GENASSYM_C)
1266 $(NATIVECC) $(NATIVE_CFLAGS) -Iinc -I$(LIBCDIR)/inc $(CPPFLAGS.native) \
1267 $(LDFLAGS.native) -o $$@ $(GENASSYM_C)
1268 -o $$@ $(GENASSYM_C)
1269 OFFSETS = $(LIBCDIR)/$(MACH)/offsets.in
1271 assym.h: $(OFFSETS) genassym
1272 $(OFFSETS_CREATE) <$(OFFSETS) >$$@
1273 ./genassym >>$$@
1275 # derived C source and related explicit dependencies
1276 $(LIBCDIR)/port/gen/errlst.c + \
1277 $(LIBCDIR)/port/gen/new_list.c: $(LIBCDIR)/port/gen/errlist $(LIBCDIR)/port/gen/
1278 cd $(LIBCDIR)/port/gen; pwd; $(AWK) -f errlist.awk < errlist
1280 pics/errlst.o: $(LIBCDIR)/port/gen/errlst.c
1282 pics/new_list.o: $(LIBCDIR)/port/gen/new_list.c

```

```

*****
25207 Wed Sep 19 23:19:51 2018
new/usr/src/lib/libc/i386/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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) 2004, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2016 Joyent, Inc.
25 # Copyright (c) 2013, OmniTI Computer Consulting, Inc. All rights reserved.
26 # Copyright 2013 Garrett D'Amore <garrett@damore.org>
27 # Copyright 2018 Nexenta Systems, Inc.
28 #
29 #
30 LIBCDIR=      $(SRC)/lib/libc
31 LIB_PIC=      libc_pic.a
32 VERS=        .1
33 CPP=         /usr/lib/cpp
34 TARGET_ARCH= i386
35 #
36 # include comm page definitions
37 include $(SRC)/lib/commpage/Makefile.shared.com
38 include $(SRC)/lib/commpage/Makefile.shared.targ
39 #
40 VALUES=     values-Xa.o
41 #
42 # objects are grouped by source directory
43 #
44 # local objects
45 STRETS=
46 #
47 CRTOBSJ=    \
48     cerror.o \
49     cerror64.o
50 #
51 DYNOBJS=    \
52     _rtbootld.o
53 #
54 FPOBJS=     \
55     _D_cplx_div.o \
56     _D_cplx_div_ix.o \
57     _D_cplx_div_rx.o \
58     _D_cplx_lr_div.o \
59     _D_cplx_lr_div_ix.o \
60     _D_cplx_lr_div_rx.o \
61     _D_cplx_mul.o \

```

```

62     _F_cplx_div.o \
63     _F_cplx_div_ix.o \
64     _F_cplx_div_rx.o \
65     _F_cplx_lr_div.o \
66     _F_cplx_lr_div_ix.o \
67     _F_cplx_lr_div_rx.o \
68     _F_cplx_mul.o \
69     _X_cplx_div.o \
70     _X_cplx_div_ix.o \
71     _X_cplx_div_rx.o \
72     _X_cplx_lr_div.o \
73     _X_cplx_lr_div_ix.o \
74     _X_cplx_lr_div_rx.o \
75     _X_cplx_mul.o \
76     fpgetmask.o \
77     fpgetround.o \
78     fpgetsticky.o \
79     fpsetmask.o \
80     fpsetround.o \
81     fpsetsticky.o \
82     fpstart.o \
83     ieee.o
84 #
85 FPASMOBJS= \
86     __xgetRD.o \
87     _base_il.o \
88     _xtoll.o \
89     _xtoull.o \
90     fpcw.o
91 #
92 ATOMICOBJS= \
93     atomic.o
94 #
95 CHACHAOBJS= \
96     chacha.o
97 #
98 KATROBJS= \
99     xattr_common.o
100 #
101 COMOBJS= \
102     bcmp.o \
103     bcopy.o \
104     bsearch.o \
105     bzero.o \
106     qsort.o \
107     strtol.o \
108     strtoul.o \
109     strtoll.o \
110     strtoull.o
111 #
112 DTRACEOBJS= \
113     dtrace_data.o
114 #
115 SECFLAGSOBJS= \
116     secflags.o
117 #
118 GENOBJS= \
119     $(COMMPAGE_OBJS) \
120     _div64.o \
121     _divdi3.o \
122     _getsp.o \
123     _mul64.o \
124     abs.o \
125     alloca.o \
126     arc4random.o \
127     arc4random_uniform.o \

```

```

128     byteorder.o           \|
129     byteorder64.o         \|
130     cuexit.o              \|
131     ecvt.o                 \|
132     endian.o              \|
133     errlst.o               \|
134     i386_data.o           \|
135     ladd.o                 \|
136     ldivide.o             \|
137     lmul.o                 \|
138     lock.o                 \|
139     lshiftl.o             \|
140     lsign.o                \|
141     lsub.o                 \|
142     makecxt.o             \|
143     memccpy.o             \|
144     memchr.o              \|
145     memcmp.o              \|
146     memcpy.o              \|
147     memset.o              \|
148     new_list.o            \|
149     setjmp.o              \|
150     siginfolst.o          \|
151     siglongjmp.o         \|
152     strcat.o              \|
153     strchr.o              \|
154     strcmp.o              \|
155     strcpy.o              \|
156     strlen.o              \|
157     strncat.o             \|
158     strncmp.o             \|
159     strncpy.o             \|
160     strnlen.o             \|
161     strrchr.o             \|
162     sync_instruction_memory.o \|

164 # sysobjs that contain large-file interfaces
165 COMSYSOBS64=
166     fstatvfs64.o          \|
167     getdents64.o         \|
168     getrlimit64.o        \|
169     lseek64.o            \|
170     mmap64.o             \|
171     pread64.o            \|
172     preadv64.o           \|
173     pwrite64.o           \|
174     pwritev64.o          \|
175     setrlimit64.o        \|
176     statvfs64.o          \|

178 SYSOBS64=

180 COMSYSOBS=
181     __clock_timer.o       \|
182     __getloadavg.o        \|
183     __rusagesys.o        \|
184     __signotify.o        \|
185     __sigrt.o            \|
186     __time.o              \|
187     _lgrp_home_fast.o    \|
188     _lgrpsys.o           \|
189     _nfssys.o            \|
190     _portfs.o            \|
191     _pset.o              \|
192     _rpcsys.o            \|
193     _sigaction.o         \|

```

```

194     _so_accept.o         \|
195     _so_bind.o           \|
196     _so_connect.o        \|
197     _so_getpeername.o    \|
198     _so_getsockname.o    \|
199     _so_getsockopt.o     \|
200     _so_listen.o         \|
201     _so_recv.o           \|
202     _so_recvfrom.o       \|
203     _so_recvmsg.o        \|
204     _so_send.o           \|
205     _so_sendmsg.o        \|
206     _so_sendto.o         \|
207     _so_setsockopt.o     \|
208     _so_shutdown.o       \|
209     _so_socket.o         \|
210     _so_socketpair.o     \|
211     _sockconfig.o        \|
212     acct.o               \|
213     acl.o                 \|
214     adjtime.o            \|
215     alarm.o              \|
216     brk.o                 \|
217     chdir.o              \|
218     chroot.o             \|
219     cladm.o               \|
220     close.o              \|
221     execve.o             \|
222     exit.o                \|
223     facl.o                \|
224     fchdir.o             \|
225     fchroot.o            \|
226     fdsync.o             \|
227     fpathconf.o          \|
228     fstatfs.o            \|
229     fstatvfs.o           \|
230     getcpuid.o           \|
231     getdents.o           \|
232     getegid.o            \|
233     geteuid.o            \|
234     getgid.o             \|
235     getgroups.o          \|
236     gethrtime.o          \|
237     getitimer.o          \|
238     getmsg.o             \|
239     getpid.o             \|
240     getpmsg.o            \|
241     getppid.o            \|
242     getrandom.o          \|
243     getrlimit.o          \|
244     getuid.o             \|
245     gtty.o               \|
246     install_utrap.o      \|
247     ioctl.o              \|
248     kaio.o               \|
249     kill.o                \|
250     llseek.o             \|
251     lseek.o              \|
252     mmapobjsys.o         \|
253     memcntl.o            \|
254     mincore.o            \|
255     mmap.o                \|
256     modctl.o             \|
257     mount.o              \|
258     mprotect.o           \|
259     munmap.o             \|

```

```

260 nice.o \
261 ntp_adjtime.o \
262 ntp_gettime.o \
263 p_online.o \
264 pathconf.o \
265 pause.o \
266 pcsample.o \
267 pipe2.o \
268 pollsys.o \
269 pread.o \
270 preadv.o \
271 priocntlset.o \
272 processor_bind.o \
273 processor_info.o \
274 profil.o \
275 psecflagsset.o \
276 putmsg.o \
277 putpmsg.o \
278 pwrite.o \
279 pwritev.o \
280 read.o \
281 readv.o \
282 resolvepath.o \
283 seteguid.o \
284 setgid.o \
285 setgroups.o \
286 setitimer.o \
287 setreid.o \
288 setrlimit.o \
289 setuid.o \
290 sigaltstk.o \
291 sigprocmsk.o \
292 sigsendset.o \
293 sigsuspend.o \
294 statfs.o \
295 statvfs.o \
296 stty.o \
297 sync.o \
298 sysconfig.o \
299 sysfs.o \
300 sysinfo.o \
301 syslwp.o \
302 times.o \
303 ulimit.o \
304 umask.o \
305 umount2.o \
306 utssys.o \
307 uucopy.o \
308 vhangup.o \
309 waitid.o \
310 write.o \
311 writev.o \
312 yield.o \

314 SYSOBSJS= \
315 __clock_gettime.o \
316 __clock_gettime_sys.o \
317 __getcontext.o \
318 __uadmin.o \
319 __lwp_mutex_unlock.o \
320 __stack_grow.o \
321 door.o \
322 forkx.o \
323 forkallx.o \
324 getcontext.o \
325 gettimeofday.o \

```

```

326 lwp_private.o \
327 nuname.o \
328 ptrace.o \
329 syscall.o \
330 sysi86.o \
331 tls_get_addr.o \
332 uadmin.o \
333 umount.o \
334 uname.o \
335 vforkx.o \
336 xstat.o \

338 # objects under $(LIBCDIR)/port which contain transitional large file interfaces
339 PORTGEN64= \
340 __xftw64.o \
341 attropen64.o \
342 fts64.o \
343 ftw64.o \
344 mkstemp64.o \
345 nftw64.o \
346 tell64.o \
347 truncate64.o \

349 # objects from source under $(LIBCDIR)/port
350 PORTFP= \
351 __flt_decim.o \
352 __flt_rounds.o \
353 __tbl_10_b.o \
354 __tbl_10_h.o \
355 __tbl_10_s.o \
356 __tbl_2_b.o \
357 __tbl_2_h.o \
358 __tbl_2_s.o \
359 __tbl_fdq.o \
360 __tbl_tens.o \
361 __x_power.o \
362 __base_sup.o \
363 aconvert.o \
364 decimal_bin.o \
365 double_decim.o \
366 econvert.o \
367 fconvert.o \
368 file_decim.o \
369 finite.o \
370 fp_data.o \
371 func_decim.o \
372 gconvert.o \
373 hex_bin.o \
374 ieee_globals.o \
375 pack_float.o \
376 sigfpe.o \
377 string_decim.o \

379 PORTGEN= \
380 __env_data.o \
381 __xftw.o \
382 a64l.o \
383 abort.o \
384 addsev.o \
385 ascii_strcasecmp.o \
386 ascii_strncasecmp.o \
387 assert.o \
388 atexit.o \
389 atfork.o \
390 atof.o \
391 atoi.o \

```

```

392      atol.o          \
393      atoll.o         \
394      attrat.o        \
395      attropen.o      \
396      basename.o     \
397      calloc.o        \
398      catgets.o       \
399      catopen.o       \
400      cfgetispeed.o   \
401      cfgetospeed.o  \
402      cfree.o         \
403      cfsetispeed.o  \
404      cfsetospeed.o  \
405      cftime.o        \
406      clock.o         \
407      closedir.o     \
408      closefrom.o    \
409      confstr.o       \
410      crypt.o         \
411      csetlen.o       \
412      ctime.o         \
413      ctime_r.o      \
414      daemon.o       \
415      deflt.o         \
416      directio.o     \
417      dirname.o      \
418      div.o           \
419      drand48.o       \
420      dup.o           \
421      env_data.o     \
422      err.o           \
423      errno.o        \
424      euclen.o        \
425      event_port.o   \
426      execvp.o       \
427      explicit_bzero.o \
428      fattach.o       \
429      fdetach.o       \
430      fdopendir.o    \
431      ffs.o           \
432      flock.o        \
433      fls.o           \
434      fmtmsg.o        \
435      freezer.o       \
436      ftime.o         \
437      ftok.o          \
438      fts.o           \
439      ftw.o           \
440      gcvt.o          \
441      get_nprocs.o   \
442      getauxv.o       \
443      getcwd.o        \
444      getdate_err.o  \
445      getdtblsize.o  \
446      getentropy.o   \
447      getenv.o        \
448      getexecname.o  \
449      getgrnam.o     \
450      getgrnam_r.o   \
451      gethostid.o    \
452      gethostname.o  \
453      gethz.o         \
454      getisax.o       \
455      getloadavg.o   \
456      getlogin.o     \
457      getmntent.o    \

```

```

458      getnetgrent.o  \
459      getopt.o        \
460      getopt_long.o  \
461      getpagesize.o  \
462      getpw.o         \
463      getpwnam.o     \
464      getpwnam_r.o   \
465      getrusage.o    \
466      getspent.o     \
467      getspent_r.o   \
468      getsubopt.o    \
469      gettxt.o        \
470      getusershell.o \
471      getut.o         \
472      getutx.o       \
473      getvfsent.o    \
474      getwd.o         \
475      getwidth.o     \
476      getxby_door.o  \
477      gtxt.o          \
478      hsearch.o       \
479      iconv.o         \
480      imaxabs.o       \
481      imaxdiv.o       \
482      index.o         \
483      initgroups.o   \
484      insque.o        \
485      isaexec.o       \
486      isastream.o    \
487      isatty.o        \
488      killpg.o        \
489      klpdlib.o       \
490      l64a.o          \
491      lckpwwdf.o     \
492      lconstants.o   \
493      lexp10.o        \
494      lfind.o         \
495      lfmt.o          \
496      lfmt_log.o     \
497      llabs.o         \
498      lldiv.o         \
499      llog10.o        \
500      lltostr.o       \
501      localtime.o    \
502      lsearch.o       \
503      madvise.o       \
504      malloc.o        \
505      memalign.o     \
506      memmem.o        \
507      memset_s.o     \
508      mkdev.o         \
509      mkdtemp.o       \
510      mkfifo.o        \
511      mkstemp.o       \
512      mktemp.o        \
513      mlock.o         \
514      mlockall.o     \
515      mon.o           \
516      msync.o         \
517      munlock.o       \
518      munlockall.o   \
519      ndbm.o          \
520      nftw.o          \
521      nlspath_checks.o \
522      nsparse.o       \
523      nss_common.o   \

```

```

524      nss_dbdefs.o      \
525      nss_deffinder.o   \
526      opendir.o         \
527      opt_data.o        \
528      perror.o          \
529      pfmt.o            \
530      pfmt_data.o       \
531      pfmt_print.o      \
532      pipe.o            \
533      plock.o           \
534      poll.o            \
535      posix_fadvise.o    \
536      posix_fallocate.o \
537      posix_madvise.o    \
538      posix_memalign.o  \
539      priocntl.o        \
540      priv_str_xlate.o   \
541      privlib.o          \
542      psecflags.o        \
543      psiginfo.o         \
544      psignal.o          \
545      pt.o               \
546      putpwent.o        \
547      putspent.o        \
548      raise.o           \
549      rand.o            \
550      random.o           \
551      rctlops.o          \
552      readdir.o         \
553      readdir_r.o       \
554      reallocarray.o    \
555      reallocarray.o    \
556      realpath.o        \
557      reboot.o          \
558      regexpr.o          \
559      remove.o           \
560      rewinddir.o       \
561      rindex.o           \
562      scandir.o         \
563      seekdir.o         \
564      select.o          \
565      set_constraint_handler_s.o \
566      setlabel.o        \
567      setpriority.o     \
568      settimeofday.o    \
569      sh_locks.o        \
570      sigflag.o         \
571      siglist.o         \
572      sigsend.o         \
573      sigsetops.o       \
574      signal.o          \
575      stack.o           \
576      stpcpy.o          \
577      stpncpy.o         \
578      str2sig.o          \
579      strcase_ormap.o    \
580      strchrnul.o       \
581      strcspn.o         \
582      strdup.o          \
583      strerror.o        \
584      strlcat.o         \
585      strlcpy.o         \
586      strndup.o         \
587      strpbrk.o         \
588      strsep.o          \
589      strsignal.o       \

```

```

590      strspn.o          \
591      strstr.o         \
592      strtod.o         \
593      strtointmax.o    \
594      strtok.o         \
595      strtok_r.o       \
596      strtonum.o       \
597      strtoumax.o      \
598      swab.o           \
599      swapctl.o        \
600      sysconf.o        \
601      syslog.o         \
602      tcdrain.o        \
603      tcflow.o         \
604      tcflush.o        \
605      tcgetattr.o      \
606      tcgetpgrp.o      \
607      tcgetsid.o       \
608      tcseendbreak.o   \
609      tcsetattr.o      \
610      tcsetpgrp.o      \
611      tell.o           \
612      telldir.o        \
613      tfind.o          \
614      time_data.o      \
615      time_gdata.o     \
616      timespec_get.o   \
617      tls_data.o       \
618      truncate.o       \
619      tsdalloc.o       \
620      tsearch.o        \
621      ttyname.o        \
622      ttyslot.o        \
623      ualarm.o         \
624      ucred.o          \
625      valloc.o         \
626      vlfmt.o          \
627      vpfmt.o          \
628      waitpid.o        \
629      walkstack.o      \
630      wdata.o          \
631      xgetwidth.o      \
632      xpg4.o           \
633      xpg6.o           \
635      PORTINET=       \
636      inet_lnaof.o     \
637      inet_makeaddr.o  \
638      inet_network.o   \
639      inet_ntoa.o      \
640      inet_ntop.o      \
641      inet_pton.o      \
643      PORTPRINT_W=    \
644      doprnt_w.o      \
646      PORTPRINT=      \
647      asprintf.o       \
648      doprnt.o         \
649      fprintf.o        \
650      printf.o         \
651      snprintf.o       \
652      sprintf.o        \
653      vfprintf.o       \
654      vprintf.o        \
655      vsnprintf.o      \

```



```

656      vsprintf.o      \
657      vfprintf.o     \
658      wprintf.o

660 # c89 variants to support 32-bit size of c89 u/intmax_t (32-bit libc only)
661 PORTPRINT_C89=
662      vfprintf_c89.o  \
663      vprintf_c89.o   \
664      vsnprintf_c89.o \
665      vsprintf_c89.o  \
666      vfprintf_c89.o

668 PORTSTDIO_C89=
669      vscanf_c89.o    \
670      vwscanf_c89.o

672 # portable stdio objects that contain large file interfaces.
673 # Note: fopen64 is a special case, as we build it small.
674 PORTSTDIO64=
675      fopen64.o       \
676      fpos64.o

678 PORTSTDIO_W=
679      doscan_w.o

681 PORTSTDIO=
682      __extensions.o  \
683      _endopen.o      \
684      _filbuf.o       \
685      _findbuf.o      \
686      _flsbuf.o       \
687      _wrtchk.o       \
688      clearerr.o      \
689      ctermid.o       \
690      ctermid_r.o     \
691      cuserid.o       \
692      data.o          \
693      doscan.o        \
694      fdopen.o        \
695      feof.o          \
696      ferror.o        \
697      fgets.o         \
698      fgetc.o         \
699      fileno.o        \
700      flockf.o        \
701      flush.o         \
702      fopen.o         \
703      fpos.o          \
704      fputc.o         \
705      fputs.o         \
706      fread.o         \
707      fseek.o         \
708      fseeko.o        \
709      ftell.o         \
710      ftello.o        \
711      fwrite.o        \
712      getc.o          \
713      getchar.o       \
714      getline.o       \
715      getpass.o       \
716      gets.o          \
717      getw.o          \
718      mse.o           \
719      popen.o         \
720      putc.o          \
721      putchar.o

```

```

722      puts.o          \
723      putw.o          \
724      rewind.o        \
725      scanf.o         \
726      setbuf.o        \
727      setbuffer.o     \
728      setvbuf.o       \
729      system.o        \
730      tempnam.o       \
731      tmpfile.o       \
732      tmpnam_r.o      \
733      ungetc.o        \
734      vscanf.o        \
735      vwscanf.o       \
736      wscanf.o

738 PORTI18N=
739      getwchar.o      \
740      putwchar.o      \
741      putws.o         \
742      strtows.o       \
743      wcsnlen.o       \
744      wcstr.o         \
745      wcstoimax.o     \
746      wcstol.o        \
747      wcstoul.o       \
748      wcs wcs.o       \
749      wmemchr.o       \
750      wmemcmp.o       \
751      wmemcpy.o       \
752      wmemmove.o      \
753      wmemset.o       \
754      wscat.o         \
755      wschr.o         \
756      wscmp.o         \
757      wscpy.o         \
758      wcs spn.o       \
759      wsdup.o         \
760      wslen.o         \
761      wsnecat.o       \
762      wsncmp.o        \
763      wsncpy.o        \
764      wspbrk.o        \
765      wsprintf.o      \
766      wsrchr.o        \
767      wscanf.o        \
768      wssp.o          \
769      wstod.o         \
770      wstok.o         \
771      wstol.o         \
772      wstoll.o        \
773      wxfrm.o         \
774      gettext.o       \
775      gettext_gnu.o   \
776      gettext_real.o  \
777      gettext_util.o  \
778      plural_parser.o \
779      wdresolve.o     \
780      _ctype.o        \
781      isascii.o       \
782      toascii.o

784 PORTI18N_COND=
785      wcstol_longlong.o \
786      wcstoul_longlong.o

```

```

788 PORTLOCALE= \
789     big5.o \
790     btowc.o \
791     collate.o \
792     collcmp.o \
793     euc.o \
794     fnmatch.o \
795     fgetwc.o \
796     fgetws.o \
797     fix_grouping.o \
798     fputwc.o \
799     fputws.o \
800     fwide.o \
801     gb18030.o \
802     gb2312.o \
803     gbk.o \
804     getdate.o \
805     isdigit.o \
806     iswctype.o \
807     ldpair.o \
808     lmessages.o \
809     lnumeric.o \
810     lmonetary.o \
811     localeconv.o \
812     localeimpl.o \
813     mbftowc.o \
814     mblen.o \
815     mbrlen.o \
816     mbrtowc.o \
817     mbsinit.o \
818     mbsnrtowcs.o \
819     mbsrtowcs.o \
820     mbstowcs.o \
821     mbtowc.o \
822     mskanji.o \
823     nextwctype.o \
824     nl_langinfo.o \
825     none.o \
826     rune.o \
827     runetype.o \
828     setlocale.o \
829     setrunelocale.o \
830     strcasecmp.o \
831     strcasestr.o \
832     strcoll.o \
833     strfmon.o \
834     strftime.o \
835     strncasecmp.o \
836     strtptime.o \
837     strxfrm.o \
838     table.o \
839     timelocal.o \
840     tolower.o \
841     towlower.o \
842     ungetwc.o \
843     utf8.o \
844     wctomb.o \
845     wcscasecmp.o \
846     wcscoll.o \
847     wcsftime.o \
848     wcsnrtombs.o \
849     wcsrtombs.o \
850     wcswidth.o \
851     wcstombs.o \
852     wcsxfrm.o \
853     wctob.o \

```

```

854     wctomb.o \
855     wctrans.o \
856     wctype.o \
857     wcwidth.o \
858     wscoll.o \
860 AIOOBS= \
861     aio.o \
862     aio_alloc.o \
863     posix_aio.o \
865 RTOBS= \
866     clock_timer.o \
867     mqueue.o \
868     pos4obj.o \
869     sched.o \
870     sem.o \
871     shm.o \
872     sigev_thread.o \
874 TPOOLOBS= \
875     thread_pool.o \
877 THREADSOBS= \
878     alloc.o \
879     assfail.o \
880     cancel.o \
881     cll_thr.o \
882     door_calls.o \
883     tmem.o \
884     pthr_attr.o \
885     pthr_barrier.o \
886     pthr_cond.o \
887     pthr_mutex.o \
888     pthr_rwlock.o \
889     pthread.o \
890     rwlock.o \
891     scalls.o \
892     sema.o \
893     sigaction.o \
894     spawn.o \
895     synch.o \
896     tdb_agent.o \
897     thr.o \
898     thread_interface.o \
899     tls.o \
900     tsd.o \
902 THREADSMACHOBS= \
903     machdep.o \
905 THREADSASMOBS= \
906     asm_subr.o \
908 UNICODEOBS= \
909     u8_textprep.o \
910     uconv.o \
912 UNWINDMACHOBS= \
913     unwind.o \
915 UNWINDASMOBS= \
916     unwind_frame.o \
918 # objects that implement the transitional large file API
919 PORTSYS64= \

```

```

920     lockf64.o      \
921     stat64.o      \

923 PORTSYS=        \
924     _autofssys.o  \
925     access.o      \
926     acctctl.o     \
927    bsd_signal.o   \
928     chmod.o       \
929     chown.o       \
930     corectl.o     \
931     epoll.o       \
932     eventfd.o     \
933     exacctsyst.o  \
934     execl.o       \
935     execl.o       \
936     execv.o       \
937     fcntl.o       \
938     getpagesizes.o \
939     getpeerucred.o \
940     inst_sync.o   \
941     isetugid.o    \
942     label.o       \
943     link.o        \
944     lockf.o       \
945     lwp.o         \
946     lwp_cond.o    \
947     lwp_rwlock.o  \
948     lwp_sigmask.o \
949     meminfosys.o  \
950     mkdir.o       \
951     mknod.o       \
952     msgsys.o      \
953     nfssys.o      \
954     open.o        \
955     pgrp.o        \
956     posix_sigwait.o \
957     ppriv.o       \
958     psetsys.o     \
959     rctlsys.o     \
960     readlink.o    \
961     rename.o      \
962     sbrk.o        \
963     semsys.o      \
964     set_errno.o   \
965     sharefs.o     \
966     shmsys.o      \
967     sidsys.o      \
968     siginterrupt.o \
969     signal.o       \
970     signalfd.o    \
971     sigpending.o  \
972     sigstack.o    \
973     stat.o        \
974     symlink.o     \
975     tasksys.o     \
976     time.o        \
977     time_util.o   \
978     timerfd.o     \
979     ucontext.o    \
980     unlink.o      \
981     ustat.o       \
982     utimesys.o    \
983     zone.o        \

985 PORTREGEX=      \

```

```

986     glob.o        \
987     regcmp.o      \
988     regcomp.o     \
989     regerror.o    \
990     regex.o       \
991     regexec.o     \
992     regfree.o     \
993     wordexp.o     \

995 PORTREGEX64=    \
996     glob64.o     \

998 MOSTOBSJS=      \
999     $(STRETS)     \
1000    $(CRTOBSJS)   \
1001    $(DYNOBJS)    \
1002    $(FPOBJS)     \
1003    $(FPASMOBJS)  \
1004    $(ATOMICOBJS) \
1005    $(CHACHAOBJS) \
1006    $(XATTOBJS)   \
1007    $(COMOBSJS)   \
1008    $(DTRACEOBSJS) \
1009    $(GENOBSJS)   \
1010    $(PORTFP)     \
1011    $(PORTGEN)    \
1012    $(PORTGEN64)  \
1013    $(PORTI18N)   \
1014    $(PORTI18N_COND) \
1015    $(PORTINET)   \
1016    $(PORTLOCALE) \
1017    $(PORTPRINT)  \
1018    $(PORTPRINT_C89) \
1019    $(PORTPRINT_W) \
1020    $(PORTREGEX)  \
1021    $(PORTREGEX64) \
1022    $(PORTSTDIO)  \
1023    $(PORTSTDIO64) \
1024    $(PORTSTDIO_C89) \
1025    $(PORTSTDIO_W) \
1026    $(PORTSYS)   \
1027    $(PORTSYS64) \
1028    $(AIOOBSJS)  \
1029    $(RTOBSJS)   \
1030    $(SECFLAGSOBSJS) \
1031    $(TPOOLOBSJS) \
1032    $(THREADSOBSJS) \
1033    $(THREADSMACHOBSJS) \
1034    $(THREADSASMOBSJS) \
1035    $(UNICODEOBSJS) \
1036    $(UNWINDMACHOBSJS) \
1037    $(UNWINDASMOBSJS) \
1038    $(COMSYSOBSJS) \
1039    $(SYSOBSJS)  \
1040    $(COMSYSOBSJS64) \
1041    $(SYSOBSJS64) \
1042    $(VALUES)    \

1044 TRACEOBSJS=    \
1045     plockstat.o  \

1047 # NOTE: libc.so.1 must be linked with the minimal crti.o and crtn.o
1048 # modules whose source is provided in the $(SRC)/lib/crt directory.
1049 # This must be done because otherwise the Sun C compiler would insert
1050 # its own versions of these modules and those versions contain code
1051 # to call out to C++ initialization functions. Such C++ initialization

```

```

1052 # functions can call back into libc before thread initialization is
1053 # complete and this leads to segmentation violations and other problems.
1054 # Since libc contains no C++ code, linking with the minimal crt1.o and
1055 # crtn.o modules is safe and avoids the problems described above.
1056 OBJECTS= $(CRTI) $(MOSTOBS) $(CRTN)
1057 CRTSRCS= ../../crt/i386

1059 LDPASS_OFF= $(POUND_SIGN)

1061 # include common library definitions
1062 include ../../Makefile.lib

1064 # we need to override the default SONAME here because we might
1065 # be building a variant object (still libc.so.1, but different filename)
1066 SONAME = libc.so.1

1068 CFLAGS += $(CCVERBOSE) $(CTF_FLAGS)

1070 # This is necessary to avoid problems with calling _ex_unwind().
1071 # We probably don't want any inlining anyway.
1072 XINLINE = -xinline=
1073 CFLAGS += $(XINLINE)

1075 CERRWARN += -_gcc=-Wno-parentheses
1076 CERRWARN += -_gcc=-Wno-switch
1077 CERRWARN += -_gcc=-Wno-uninitialized
1078 CERRWARN += -_gcc=-Wno-unused-value
1079 CERRWARN += -_gcc=-Wno-unused-label
1080 CERRWARN += -_gcc=-Wno-unused-variable
1081 CERRWARN += -_gcc=-Wno-type-limits
1082 CERRWARN += -_gcc=-Wno-char-subscripts
1083 CERRWARN += -_gcc=-Wno-clobbered
1084 CERRWARN += -_gcc=-Wno-unused-function
1085 CERRWARN += -_gcc=-Wno-address

1087 # Setting THREAD_DEBUG = -DTHREAD_DEBUG (make THREAD_DEBUG=-DTHREAD_DEBUG ...)
1088 # enables ASSERT() checking in the threads portion of the library.
1089 # This is automatically enabled for DEBUG builds, not for non-debug builds.
1090 THREAD_DEBUG =
1091 $(NOT_RELEASE_BUILD)THREAD_DEBUG = -DTHREAD_DEBUG

1093 # Make string literals read-only to save memory.
1094 CFLAGS += $(XSTRCONST)

1096 ALTPICS= $(TRACEOBS:%=pics/%)

1098 $(DYNLIB) := BUILD.SO = $(LD) -o $@ -G $(DYNFLAGS) $(PICS) $(ALTPICS) \
1099 $(EXTPICS) $(LDLIBS)

1101 MAPFILES = $(LIBCDIR)/port/mapfile-vers

1103 #
1104 # EXTN_CPPFLAGS and EXTN_CFLAGS set in enclosing Makefile
1105 #
1106 CFLAGS += $(EXTN_CFLAGS)
1107 CPPFLAGS= -D_REENTRANT -Di386 $(EXTN_CPPFLAGS) $(THREAD_DEBUG) \
1108 -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc $(CPPFLAGS.master)
1109 ASFLAGS= $(AS_PICFLAGS) -P -D__STDC__ -D_ASM $(CPPFLAGS) $(i386_AS_XARCH)

1111 # As a favor to the dtrace syscall provider, libc still calls the
1112 # old syscall traps that have been obsoleted by the *at() interfaces.
1113 # Delete this to compile libc using only the new *at() system call traps
1114 CPPFLAGS += -D_RETAIN_OLD_SYSCALLS

1116 # Inform the run-time linker about libc specialized initialization
1117 RTLDINFO = -z rtldinfo=tls_rtldinfo

```

```

1118 DYNFLAGS += $(RTLDINFO)

1120 # Force libc's internal references to be resolved immediately upon loading
1121 # in order to avoid critical region problems. Since almost all libc symbols
1122 # are marked 'protected' in the mapfiles, this is a minimal set (15 to 20).
1123 DYNFLAGS += -znow

1125 DYNFLAGS += -e __rtboot
1126 DYNFLAGS += $(EXTN_DYNFLAGS)

1128 # Inform the kernel about the initial DTrace area (in case
1129 # libc is being used as the interpreter / runtime linker).
1130 DTRACE_DATA = -zdtrace=dtrace_data
1131 DYNFLAGS += $(DTRACE_DATA)

1133 # DTrace needs an executable data segment.
1134 MAPFILE.NED=

1136 BUILD.s= $(AS) $(ASFLAGS) $< -o $@

1138 # Override this top level flag so the compiler builds in its native
1139 # C99 mode. This has been enabled to support the complex arithmetic
1140 # added to libc.
1141 CSTD= $(CSTD_GNU99)

1143 # libc method of building an archive
1144 # The "$(GREP) -v ' L '" part is necessary only until
1145 # lorder is fixed to ignore thread-local variables.
1146 BUILD.AR= $(RM) $@ ; \
1147 $(AR) q $@ '$(LORDER) $(MOSTOBS:%=$(DIR)/%) | $(GREP) -v ' L ' | $(TSOR

1149 # extra files for the clean target
1150 CLEANFILES += \
1151 $(LIBCDIR)/port/gen/errlst.c \
1152 $(LIBCDIR)/port/gen/new_list.c \
1153 assym.h \
1154 genassym \
1155 crt/_rtld.s \
1156 crt/_rtbootld.s \
1157 pics/_rtbootld.o \
1158 pics/crti.o \
1159 pics/crtn.o \
1160 $(ALTPICS)

1162 CLOBBERFILES += $(LIB_PIC)

1164 # list of C source for lint
1165 SRCS= \
1166 $(ATOMICOBJS:%.o=$(SRC)/common/atomic/%.c) \
1167 $(XATTROBJS:%.o=$(SRC)/common/xattr/%.c) \
1168 $(COMOBS:%.o=$(SRC)/common/util/%.c) \
1169 $(DTRACEOBS:%.o=$(SRC)/common/dtrace/%.c) \
1170 $(PORTFP:%.o=$(LIBCDIR)/port/fp/%.c) \
1171 $(PORTGEN:%.o=$(LIBCDIR)/port/gen/%.c) \
1172 $(PORTI18N:%.o=$(LIBCDIR)/port/i18n/%.c) \
1173 $(PORTINET:%.o=$(LIBCDIR)/port/inet/%.c) \
1174 $(PORTLOCALE:%.o=$(LIBCDIR)/port/locale/%.c) \
1175 $(PORTPRINT:%.o=$(LIBCDIR)/port/print/%.c) \
1176 $(PORTREGEX:%.o=$(LIBCDIR)/port/regex/%.c) \
1177 $(PORTSTDIO:%.o=$(LIBCDIR)/port/stdio/%.c) \
1178 $(PORTSYS:%.o=$(LIBCDIR)/port/sys/%.c) \
1179 $(AIOBJS:%.o=$(LIBCDIR)/port/aio/%.c) \
1180 $(RTOBJS:%.o=$(LIBCDIR)/port/rt/%.c) \
1181 $(SECFLAGSOBJS:%.o=$(SRC)/common/secflags/%.c) \
1182 $(TPOOLOBS:%.o=$(LIBCDIR)/port/tpool/%.c) \
1183 $(THREADSOBJS:%.o=$(LIBCDIR)/port/threads/%.c) \

```

```

1184 $(THREADSMACHOBJS:%.o=$(LIBCDIR)/$(MACH)/threads/%.c) \
1185 $(UNICODEOBJS:%.o=$(SRC)/common/unicode/%.c) \
1186 $(UNWINDMACHOBJS:%.o=$(LIBCDIR)/port/unwind/%.c) \
1187 $(FPOBJS:%.o=$(LIBCDIR)/$(MACH)/fp/%.c) \
1188 $(LIBCBASE)/gen/ecvt.c \
1189 $(LIBCBASE)/gen/makectxt.c \
1190 $(LIBCBASE)/gen/signfolst.c \
1191 $(LIBCBASE)/gen/siglongjmp.c \
1192 $(LIBCBASE)/gen/strcmp.c \
1193 $(LIBCBASE)/gen/sync_instruction_memory.c \
1194 $(LIBCBASE)/sys/ptrace.c \
1195 $(LIBCBASE)/sys/uadmin.c

```

```

1197 # conditional assignments
1198 $(DYNLIB) := CRTI = crti.o
1199 $(DYNLIB) := CRTN = crtn.o

```

```

1201 # Files which need the threads .il inline template
1202 TIL=

```

```

1203 aio.o \
1204 alloc.o \
1205 assfail.o \
1206 atexit.o \
1207 atfork.o \
1208 cancel.o \
1209 door_calls.o \
1210 err.o \
1211 errno.o \
1212 lwp.o \
1213 ma.o \
1214 machdep.o \
1215 posix_aio.o \
1216 pthr_attr.o \
1217 pthr_barrier.o \
1218 pthr_cond.o \
1219 pthr_mutex.o \
1220 pthr_rwlock.o \
1221 pthread.o \
1222 rand.o \
1223 rwlock.o \
1224 scalls.o \
1225 sched.o \
1226 sema.o \
1227 sigaction.o \
1228 sigev_thread.o \
1229 spawn.o \
1230 stack.o \
1231 synch.o \
1232 tdb_agent.o \
1233 thr.o \
1234 thread_interface.o \
1235 thread_pool.o \
1236 tls.o \
1237 tsd.o \
1238 tmem.o \
1239 unwind.o

```

```

1241 THREADS_INLINES = $(LIBCBASE)/threads/i386.il
1242 $(TIL:%=pics%) := CFLAGS += $(THREADS_INLINES)

```

```

1244 # pics/mul64.o := CFLAGS += $(LIBCBASE)/crt/mul64.il

```

```

1246 # large-file-aware components that should be built large

```

```

1248 $(COMSYSOBS64:%=pics%) := \
1249 CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1251 $(SYSOBS64:%=pics%) := \
1252 CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1254 $(PORTGEN64:%=pics%) := \
1255 CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1257 $(PORTREGEX64:%=pics%) := \
1258 CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1260 $(PORTSTDIO64:%=pics%) := \
1261 CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1263 $(PORTSYS64:%=pics%) := \
1264 CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1266 $(PORTSTDIO_W:%=pics%) := \
1267 CPPFLAGS += -D_WIDE

```

```

1269 $(PORTPRINT_W:%=pics%) := \
1270 CPPFLAGS += -D_WIDE

```

```

1272 $(PORTPRINT_C89:%=pics%) := \
1273 CPPFLAGS += -D_C89_INTMAX32

```

```

1275 $(PORTSTDIO_C89:%=pics%) := \
1276 CPPFLAGS += -D_C89_INTMAX32

```

```

1278 $(PORTI18N_COND:%=pics%) := \
1279 CPPFLAGS += -D_WCS_LOGLONG

```

```

1281 pics/arc4random.o := CPPFLAGS += -I$(SRC)/common/crypto/chacha

```

```

1283 pics/__clock_gettime.o := CPPFLAGS += $(COMPAGE_CPPFLAGS)

```

```

1285 .KEEP_STATE:

```

```

1287 all: $(LIBS) $(LIB_PIC)

```

```

1289 lint := CPPFLAGS += -I$(LIBCDIR)/$(MACH)/fp
1290 lint := CPPFLAGS += -D_MSE_INT_H -D_LCONV_C99
1291 lint := LINTFLAGS += -mn -erroff=E_SUPPRESSION_DIRECTIVE_UNUSED

```

```

1293 lint:
1294 @echo $(LINT.c) ...
1295 @$$(LINT.c) $(SRCS) $(LDLIBS)

```

```

1297 $(LINTLIB) := SRCS=$(LIBCDIR)/port/llib-1c
1298 $(LINTLIB) := CPPFLAGS += -D_MSE_INT_H
1299 $(LINTLIB) := LINTFLAGS=-nvx

```

```

1301 # object files that depend on inline template
1302 $(TIL:%=pics%): $(LIBCBASE)/threads/i386.il
1303 # pics/mul64.o: $(LIBCBASE)/crt/mul64.il

```

```

1305 # include common libc targets
1306 include $(LIBCDIR)/Makefile.targ

```

```

1308 # We need to strip out all CTF and DOF data from the static library
1309 $(LIB_PIC) := DIR = pics
1310 $(LIB_PIC): pics $$ (PIC)
1311 $(BUILD.AR)
1312 $(MCS) -d -n .SUNW_ctf $$@ > /dev/null 2>&1
1313 $(MCS) -d -n .SUNW_dof $$@ > /dev/null 2>&1
1314 $(AR) -ts $$@ > /dev/null
1315 $(POST_PROCESS_A)

```

```
1317 $(LIBCBASE)/crt/_rtbootld.s: $(LIBCBASE)/crt/_rtboot.s $(LIBCBASE)/crt/_rtld.c
1318     $(CC) $(CPPFLAGS) $(CTF_FLAGS) -O -S $(C_PICFLAGS) \
1319     $(LIBCBASE)/crt/_rtld.c -o $(LIBCBASE)/crt/_rtld.s
1320     $(CAT) $(LIBCBASE)/crt/_rtboot.s $(LIBCBASE)/crt/_rtld.s > $@
1321     $(RM) $(LIBCBASE)/crt/_rtld.s

1323 # partially built from C source
1324 pics/_rtbootld.o: $(LIBCBASE)/crt/_rtbootld.s
1325     $(AS) $(ASFLAGS) $(LIBCBASE)/crt/_rtbootld.s -o $@
1326     $(CTFCONVERT_O)

1328 ASSYMDEP_OBJS= \
1329     _lwp_mutex_unlock.o \
1330     _stack_grow.o \
1331     getcontext.o \
1332     setjmp.o \
1333     tls_get_addr.o \
1334     vforkx.o

1336 $(ASSYMDEP_OBJS:%=pics/%) := CPPFLAGS += -I.

1338 $(ASSYMDEP_OBJS:%=pics/%): assym.h

1340 # assym.h build rules

1342 GENASSYM_C = $(LIBCDIR)/$(MACH)/genassym.c
1343 LDFLAGS.native = $(LDCHECKS) -zassert-deflib=libc.so -Bdirect
1344 #endif /* ! codereview */

1346 genassym: $(GENASSYM_C)
1347     $(NATIVECC) $(NATIVE_CFLAGS) -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc \
1348     -D__EXTENSIONS__ $(CPPFLAGS.native) $(LDFLAGS.native) \
1349     -o $@ $(GENASSYM_C)
1343     -D__EXTENSIONS__ $(CPPFLAGS.native) -o $@ $(GENASSYM_C)

1351 OFFSETS = $(LIBCDIR)/$(MACH)/offsets.in

1353 assym.h: $(OFFSETS) genassym
1354     $(OFFSETS_CREATE) <$(OFFSETS) >$@
1355     ./genassym >>$@

1357 # derived C source and related explicit dependencies
1358 $(LIBCDIR)/port/gen/errlst.c + \
1359 $(LIBCDIR)/port/gen/new_list.c: $(LIBCDIR)/port/gen/errlist $(LIBCDIR)/port/gen/
1360     cd $(LIBCDIR)/port/gen; pwd; $(AWK) -f errlist.awk < errlist

1362 pics/errlst.o: $(LIBCDIR)/port/gen/errlst.c

1364 pics/new_list.o: $(LIBCDIR)/port/gen/new_list.c
```

```

*****
26780 Wed Sep 19 23:19:51 2018
new/usr/src/lib/libc/sparc/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2016 Joyent, Inc.
25 # Copyright (c) 2013, OmniTI Computer Consulting, Inc. All rights reserved.
26 # Copyright 2013 Garrett D'Amore <garrett@damore.org>
27 # Copyright 2018 Nexenta Systems, Inc.
28 #
29 #
30 LIBCDIR=      $(SRC)/lib/libc
31 LIB_PIC=      libc_pic.a
32 VERS=        .1
33 CPP=         /usr/lib/cpp
34 TARGET_ARCH= sparc
35 #
36 # objects are grouped by source directory
37 #
38 # Symbol capabilities objects.
39 EXTPICS=
40 $(LIBCDIR)/capabilities/sun4u/sparc/pics/symcap.o \
41 $(LIBCDIR)/capabilities/sun4u-opl/sparc/pics/symcap.o \
42 $(LIBCDIR)/capabilities/sun4u-us3-hwcap1/sparc/pics/symcap.o \
43 $(LIBCDIR)/capabilities/sun4u-us3-hwcap2/sparc/pics/symcap.o \
44 $(LIBCDIR)/capabilities/sun4v-hwcap1/sparc/pics/symcap.o \
45 $(LIBCDIR)/capabilities/sun4v-hwcap2/sparc/pics/symcap.o
46 #
47 # local objects
48 STRETS=
49 stret1.o
50 stret2.o
51 stret4.o
52 #
53 CRTOBSJ=
54 _ftou.o
55 cerror.o
56 cerror64.o
57 hwmuldiv.o
58 #
59 DYNOBJS=
60 _rtbootld.o

```

```

62 FPOBJS=
63 _D_cplx_div.o
64 _D_cplx_div_ix.o
65 _D_cplx_div_rx.o
66 _D_cplx_mul.o
67 _F_cplx_div.o
68 _F_cplx_div_ix.o
69 _F_cplx_div_rx.o
70 _F_cplx_mul.o
71 _Q_add.o
72 _Q_cmp.o
73 _Q_cmpe.o
74 _Q_cplx_div.o
75 _Q_cplx_div_ix.o
76 _Q_cplx_div_rx.o
77 _Q_cplx_lr_div.o
78 _Q_cplx_lr_div_ix.o
79 _Q_cplx_lr_div_rx.o
80 _Q_cplx_lr_mul.o
81 _Q_cplx_mul.o
82 _Q_div.o
83 _Q_dtoq.o
84 _Q_fcc.o
85 _Q_itoq.o
86 _Q_lltoq.o
87 _Q_mul.o
88 _Q_neg.o
89 _Q_qtod.o
90 _Q_qtoi.o
91 _Q_qtos.o
92 _Q_qtou.o
93 _Q_scl.o
94 _Q_set_except.o
95 _Q_sqrt.o
96 _Q_stoq.o
97 _Q_sub.o
98 _Q_ulltoq.o
99 _Q_utoq.o
100 __quad_mag.o
101 #
102 FPASMOBJS=
103 _Q_get_rp_rd.o
104 fpgetmask.o
105 fpgetrnd.o
106 fpgetsticky.o
107 fpsetmask.o
108 fpsetrnd.o
109 fpsetsticky.o
110 #
111 $(__GNUCC)FPASMOBJS +=
112 __quad.o
113 #
114 ATOMICOBJS=
115 atomic.o
116 #
117 CHACHAOBJS=
118 chacha.o
119 #
120 XATTROBJS=
121 xattr_common.o
122 #
123 COMOBJS=
124 bcmp.o
125 bcopy.o
126 bzero.o
127 bsearch.o

```

```

128      memccpy.o      \
129      qsort.o        \
130      strtoul.o      \
131      strtoll.o      \
132      strtoull.o     \
133
135 DTRACEOBS=        \
136      dtrace_data.o \
137
138 SECFLAGSOBS=      \
139      secflags.o    \
140
141 GENOBS=           \
142      _getsp.o       \
143      _xregs_clrptr.o \
144      abs.o           \
145      alloca.o       \
146      arc4random.o   \
147      arc4random_uniform.o \
148      ascii_strcasecmp.o \
149      byteorder.o    \
150      cuexit.o       \
151      ecvt.o         \
152      endian.o       \
153      errlst.o       \
154      gettxt.o       \
155      ladd.o         \
156      lmul.o         \
157      lock.o         \
158      lshifl.o       \
159      lsign.o        \
160      lsub.o         \
161      makectxt.o    \
162      memchr.o       \
163      memcmp.o       \
164      new_list.o     \
165      setjmp.o       \
166      siginfolst.o  \
167      siglongjmp.o  \
168      smt_pause.o   \
169      sparc_data.o  \
170      strchr.o       \
171      strcmp.o       \
172      strlcpy.o      \
173      strncmp.o     \
174      strncpy.o     \
175      strnlen.o     \
176      swaptxt.o     \
177      sync_instruction_memory.o \
178
179 # sysobjs that contain large-file interfaces
180 COMSYSOBS64=      \
181      fstatvfs64.o  \
182      getdents64.o  \
183      getrlimit64.o \
184      lseek64.o     \
185      mmap64.o      \
186      pread64.o     \
187      preadv64.o    \
188      pwrite64.o    \
189      pwritev64.o   \
190      setrlimit64.o \
191      statvfs64.o
193 SYSOBS64=

```

```

195 COMSYSOBS=      \
196      __clock_timer.o \
197      __getloadavg.o  \
198      __rusagesys.o  \
199      __signotify.o   \
200      __sigrt.o       \
201      __time.o        \
202      __lgrp_home_fast.o \
203      __lgrpsys.o    \
204      __nfssys.o      \
205      __portfs.o     \
206      __pset.o        \
207      __rpcsys.o      \
208      __sigaction.o   \
209      __so_accept.o   \
210      __so_bind.o     \
211      __so_connect.o  \
212      __so_getpeername.o \
213      __so_getsockname.o \
214      __so_getsockopt.o \
215      __so_listen.o   \
216      __so_recv.o     \
217      __so_recvfrom.o \
218      __so_recvmsg.o  \
219      __so_send.o     \
220      __so_sendmsg.o  \
221      __so_sendto.o   \
222      __so_setsockopt.o \
223      __so_shutdown.o \
224      __so_socket.o   \
225      __so_socketpair.o \
226      __sockconfig.o  \
227      acct.o          \
228      acl.o           \
229      adjtime.o       \
230      alarm.o         \
231      brk.o           \
232      chdir.o         \
233      chroot.o        \
234      cladm.o         \
235      close.o         \
236      execve.o        \
237      exit.o          \
238      facl.o          \
239      fchdir.o        \
240      fchroot.o       \
241      fdsync.o        \
242      fpathconf.o    \
243      fstatfs.o       \
244      fstatvfs.o      \
245      getcpuid.o      \
246      getdents.o     \
247      getegid.o       \
248      geteuid.o       \
249      getgid.o        \
250      getgroups.o     \
251      gethrtime.o    \
252      getitimer.o    \
253      getmsg.o        \
254      getpid.o        \
255      getpmsg.o       \
256      getppid.o       \
257      getrandom.o     \
258      getrlimit.o    \
259      getuid.o

```



```

260      gtty.o                \|
261      install_utrap.o      \|
262      ioctl.o              \|
263      kaio.o               \|
264      kill.o               \|
265      llseek.o             \|
266      lseek.o              \|
267      memcntl.o           \|
268      mincore.o           \|
269      mmap.o               \|
270      mmapobjsys.o        \|
271      modctl.o             \|
272      mount.o              \|
273      mprotect.o          \|
274      munmap.o            \|
275      nice.o               \|
276      ntp_adjtime.o       \|
277      ntp_gettime.o       \|
278      p_online.o           \|
279      pathconf.o          \|
280      pause.o              \|
281      pcsample.o          \|
282      pipe2.o              \|
283      pollsys.o           \|
284      pread.o              \|
285      preadv.o             \|
286      priocntlset.o       \|
287      processor_bind.o    \|
288      processor_info.o    \|
289      profil.o             \|
290      psecflagsset.o      \|
291      putmsg.o             \|
292      putpmsg.o           \|
293      pwrite.o             \|
294      pwritev.o           \|
295      read.o               \|
296      readv.o              \|
297      resolvepath.o       \|
298      seteguid.o          \|
299      setgid.o             \|
300      setgroups.o         \|
301      setitimer.o         \|
302      setreid.o           \|
303      setrlimit.o         \|
304      setuid.o             \|
305      sigaltstk.o         \|
306      sigprocmsk.o        \|
307      sigsendset.o        \|
308      sigsuspend.o        \|
309      statfs.o             \|
310      statvfs.o           \|
311      stty.o               \|
312      sync.o               \|
313      sysconfig.o         \|
314      sysfs.o              \|
315      sysinfo.o           \|
316      syslwp.o            \|
317      times.o             \|
318      ulimit.o            \|
319      umask.o              \|
320      umount2.o           \|
321      utssys.o            \|
322      uucopy.o            \|
323      vhangup.o           \|
324      waitid.o            \|
325      write.o              \|

```

```

326      writev.o            \|
327      yield.o             \|
329  SYSOBSJS=              \|
330      __clock_gettime.o   \|
331      __getcontext.o     \|
332      __lwp_mutex_unlock.o \|
333      __stack_grow.o     \|
334      __uadmin.o         \|
335      door.o              \|
336      forkx.o             \|
337      forkallx.o          \|
338      gettimeofday.o     \|
339      ptrace.o            \|
340      syscall.o           \|
341      tls_get_addr.o     \|
342      uadmin.o            \|
343      umount.o            \|
344      uname.o             \|
345      vforkx.o           \|
347  # objects under $(LIBCDIR)/port which contain transitional large file interfaces
348  PORTGEN64=              \|
349      _xftw64.o           \|
350      attropen64.o        \|
351      fts64.o             \|
352      ftw64.o             \|
353      mkstemp64.o         \|
354      nftw64.o            \|
355      tell64.o            \|
356      truncate64.o        \|
358  # objects from source under $(LIBCDIR)/port
359  PORTFP=                  \|
360      __flt_decim.o       \|
361      __flt_rounds.o     \|
362      __tbl_10_b.o        \|
363      __tbl_10_h.o        \|
364      __tbl_10_s.o        \|
365      __tbl_2_b.o         \|
366      __tbl_2_h.o         \|
367      __tbl_2_s.o         \|
368      __tbl_fdq.o         \|
369      __tbl_tens.o        \|
370      __x_power.o         \|
371      _base_sup.o         \|
372      aconvert.o          \|
373      decimal_bin.o       \|
374      double_decim.o     \|
375      econvert.o          \|
376      fconvert.o          \|
377      file_decim.o        \|
378      finite.o            \|
379      fp_data.o           \|
380      func_decim.o        \|
381      gconvert.o          \|
382      hex_bin.o           \|
383      ieee_globals.o     \|
384      pack_float.o        \|
385      sigfpe.o            \|
386      string_decim.o      \|
387      ashldi3.o           \|
388      ashrdi3.o           \|
389      cmpdi2.o            \|
390      divdi3.o            \|
391      floatdidf.o         \|

```

```

392 floatdisf.o \
393 floatundidf.o \
394 floatundisf.o \
395 lshrdi3.o \
396 moddi3.o \
397 muldi3.o \
398 qdivrem.o \
399 ucmpdi2.o \
400 udivdi3.o \
401 umoddi3.o \

403 PORTGEN= \
404 _env_data.o \
405 _ftoll.o \
406 _ftoull.o \
407 _xftw.o \
408 a64l.o \
409 abort.o \
410 addsev.o \
411 ascii_strncasecmp.o \
412 assert.o \
413 atexit.o \
414 atfork.o \
415 atof.o \
416 atoi.o \
417 atol.o \
418 atoll.o \
419 attrat.o \
420 attropen.o \
421 basename.o \
422 calloc.o \
423 catgets.o \
424 catopen.o \
425 cfgetispeed.o \
426 cfgetospeed.o \
427 cfree.o \
428 cfsetispeed.o \
429 cfsetospeed.o \
430 cftime.o \
431 clock.o \
432 closedir.o \
433 closefrom.o \
434 confstr.o \
435 crypt.o \
436 csetlen.o \
437 ctime.o \
438 ctime_r.o \
439 daemon.o \
440 deflt.o \
441 directio.o \
442 dirname.o \
443 div.o \
444 drand48.o \
445 dup.o \
446 env_data.o \
447 err.o \
448 errno.o \
449 euclen.o \
450 event_port.o \
451 execvp.o \
452 explicit_bzero.o \
453 fattach.o \
454 fdetach.o \
455 fdopendir.o \
456 ffs.o \
457 flock.o \

```

```

458 fls.o \
459 fmtmsg.o \
460 freezer.o \
461 ftime.o \
462 ftok.o \
463 fts.o \
464 ftw.o \
465 gcvt.o \
466 get_nprocs.o \
467 getauxv.o \
468 getcwd.o \
469 getdate_err.o \
470 getdtblsize.o \
471 getentropy.o \
472 getenv.o \
473 getexecname.o \
474 getgrnam.o \
475 getgrnam_r.o \
476 gethostid.o \
477 gethostname.o \
478 gethz.o \
479 getisax.o \
480 getloadavg.o \
481 getlogin.o \
482 getmntent.o \
483 getnetgrent.o \
484 getopt.o \
485 getopt_long.o \
486 getpagesize.o \
487 getpw.o \
488 getpwnam.o \
489 getpwnam_r.o \
490 getrusage.o \
491 getspent.o \
492 getspent_r.o \
493 getsubopt.o \
494 gettxt.o \
495 getusershell.o \
496 getut.o \
497 getutx.o \
498 getvfsent.o \
499 getwd.o \
500 getwidth.o \
501 getxby_door.o \
502 gtxt.o \
503 hsearch.o \
504 iconv.o \
505 imaxabs.o \
506 imaxdiv.o \
507 index.o \
508 initgroups.o \
509 insque.o \
510 isaexec.o \
511 isastream.o \
512 isatty.o \
513 killpg.o \
514 klpdlib.o \
515 l64a.o \
516 lckpwn.o \
517 lconstants.o \
518 ldivide.o \
519 lexpl0.o \
520 lfind.o \
521 lfnt.o \
522 lfnt_log.o \
523 llabs.o \

```

```

524      lldiv.o          \
525      llog10.o         \
526      lltostr.o        \
527      localtime.o     \
528      lsearch.o        \
529      madvise.o         \
530      malloc.o          \
531      memalign.o        \
532      memmem.o          \
533      memset_s.o        \
534      mkdev.o           \
535      mkdtemp.o         \
536      mkfifo.o          \
537      mkstemp.o         \
538      mktemp.o          \
539      mlock.o           \
540      mlockall.o        \
541      mon.o             \
542      msync.o           \
543      munlock.o         \
544      munlockall.o     \
545      ndbm.o            \
546      nftw.o            \
547      nlspath_checks.o \
548      nsparse.o         \
549      nss_common.o      \
550      nss_dbdefs.o      \
551      nss_deffinder.o   \
552      opendir.o         \
553      opt_data.o        \
554      perror.o          \
555      pfmt.o            \
556      pfmt_data.o       \
557      pfmt_print.o      \
558      pipe.o            \
559      plock.o           \
560      poll.o            \
561      posix_fadvise.o    \
562      posix_fallocate.o \
563      posix_madvise.o    \
564      posix_memalign.o   \
565      priocntl.o         \
566      priv_str_xlate.o   \
567      privlib.o          \
568      psecflags.o        \
569      psiginfo.o         \
570      psignal.o          \
571      pt.o               \
572      putpwent.o         \
573      putspent.o         \
574      raise.o            \
575      rand.o             \
576      random.o           \
577      rctlops.o          \
578      readdir.o          \
579      readdir_r.o        \
580      reallocarray.o     \
581      reallocarray.o     \
582      realpath.o         \
583      reboot.o           \
584      regexpr.o          \
585      remove.o           \
586      rewinddir.o        \
587      rindex.o           \
588      scandir.o          \
589      seekdir.o          \

```

```

590      select.o          \
591      set_constraint_handler_s.o \
592      setlabel.o        \
593      setpriority.o      \
594      settimeofday.o     \
595      sh_locks.o         \
596      sigflag.o          \
597      siglist.o          \
598      sigsend.o          \
599      sigsetops.o        \
600      ssignal.o          \
601      stack.o            \
602      stpcpy.o           \
603      stpncpy.o          \
604      str2sig.o           \
605      strcase_charmap.o \
606      strcat.o           \
607      strchrnul.o        \
608      strcspn.o           \
609      strdup.o           \
610      strerror.o         \
611      strlcat.o           \
612      strncat.o          \
613      strndup.o          \
614      strpbrk.o          \
615      strrchr.o          \
616      strsep.o           \
617      strsignal.o        \
618      strspn.o           \
619      strstr.o           \
620      strtod.o           \
621      strtointmax.o      \
622      strtok.o           \
623      strtok_r.o         \
624      strtonum.o         \
625      strtoumax.o        \
626      swab.o             \
627      swapctl.o          \
628      sysconf.o          \
629      syslog.o           \
630      tcdrain.o          \
631      tcflow.o           \
632      tcflush.o          \
633      tcgetattr.o        \
634      tcgetpgrp.o        \
635      tcgetsid.o         \
636      tcsendbreak.o      \
637      tcsetattr.o        \
638      tcsetpgrp.o        \
639      tell.o              \
640      telldir.o          \
641      tfind.o            \
642      time_data.o        \
643      time_gdata.o       \
644      timespec_get.o     \
645      tls_data.o         \
646      truncate.o         \
647      tsdalloc.o         \
648      tsearch.o          \
649      ttyname.o          \
650      ttyslot.o          \
651      ualarm.o           \
652      ucred.o            \
653      valloc.o           \
654      vlfmt.o            \
655      vpfmt.o            \

```

```

656      waitpid.o      \
657      walkstack.o   \
658      wdata.o        \
659      xgetwidth.o   \
660      xpg4.o         \
661      xpg6.o         \

663 PORTINET=        \
664      inet_lnaof.o   \
665      inet_makeaddr.o \
666      inet_network.o \
667      inet_ntoa.o    \
668      inet_ntop.o    \
669      inet_pton.o    \

671 PORTPRINT_W=     \
672      doprnt_w.o     \

674 PORTPRINT=       \
675      asprintf.o     \
676      doprnt.o       \
677      fprintf.o      \
678      printf.o        \
679      snprintf.o     \
680      sprintf.o       \
681      vfprintf.o     \
682      vprintf.o       \
683      vsnprintf.o    \
684      vsprintf.o     \
685      vwprintf.o     \
686      wprintf.o      \

688 # c89 variants to support 32-bit size of c89 u/intmax_t (32-bit libc only)
689 PORTPRINT_C89=    \
690      vfprintf_c89.o \
691      vprintf_c89.o  \
692      vsnprintf_c89.o \
693      vsprintf_c89.o \
694      vwprintf_c89.o \

696 PORTSTDIO_C89=   \
697      vscanf_c89.o  \
698      vwscanf_c89.o \

700 # portable stdio objects that contain large file interfaces.
701 # Note: fopen64 is a special case, as we build it small.
702 PORTSTDIO64=     \
703      fopen64.o     \
704      fpos64.o      \

706 PORTSTDIO_W=    \
707      doscan_w.o    \

709 PORTSTDIO=       \
710      __extensions.o \
711      __endopen.o    \
712      _filbuf.o      \
713      _findbuf.o     \
714      _flsbuf.o      \
715      _wrtchk.o      \
716      clearerr.o     \
717      ctermid.o      \
718      ctermid_r.o    \
719      cuserid.o       \
720      data.o          \
721      doscan.o       \

```

```

722      fdopen.o       \
723      feof.o          \
724      ferrord.o       \
725      fgetc.o         \
726      fgets.o         \
727      fileno.o        \
728      flockf.o        \
729      flush.o         \
730      fopen.o         \
731      fpos.o          \
732      fputc.o         \
733      fputs.o         \
734      fread.o         \
735      fseek.o         \
736      fseeko.o       \
737      ftell.o         \
738      ftello.o       \
739      fwrite.o        \
740      getc.o          \
741      getchar.o       \
742      getline.o       \
743      getpass.o       \
744      gets.o          \
745      getw.o          \
746      popen.o         \
747      putc.o          \
748      putchar.o       \
749      puts.o          \
750      putw.o          \
751      rewind.o        \
752      scanf.o         \
753      setbuf.o        \
754      setbuffer.o     \
755      setvbuf.o       \
756      system.o        \
757      tempnam.o       \
758      tmpfile.o       \
759      tmpnam_r.o      \
760      ungetc.o        \
761      mse.o           \
762      vscanf.o        \
763      vwscanf.o       \
764      wscanf.o        \

766 PORTI18N=        \
767      getwchar.o     \
768      putwchar.o     \
769      putws.o         \
770      strtows.o      \
771      wcsnlen.o       \
772      wcstoimax.o    \
773      wctol.o         \
774      wcstoul.o      \
775      wcs wcs.o      \
776      wscat.o         \
777      wchr.o          \
778      wscmp.o         \
779      wscopy.o        \
780      wscspn.o        \
781      wsdup.o         \
782      wslen.o         \
783      wscat.o         \
784      wscmp.o         \
785      wscpy.o         \
786      wspbrk.o        \
787      wsprintf.o     \

```

```

788      wsrchr.o      \
789      wsscanf.o    \
790      wssp.o       \
791      wstod.o      \
792      wstok.o      \
793      wstol.o      \
794      wstoll.o     \
795      wsxfrm.o     \
796      wmemchr.o    \
797      wmemcmp.o    \
798      wmemcpy.o    \
799      wmemmove.o   \
800      wmemset.o    \
801      wcsstr.o     \
802      gettext.o    \
803      gettext_real.o \
804      gettext_util.o \
805      gettext_gnu.o \
806      plural_parser.o \
807      wdresolve.o  \
808      _ctype.o     \
809      isascii.o    \
810      toascii.o    \
\
812 PORTI18N_COND= \
813      wcstol_longlong.o \
814      wcstoul_longlong.o \
\
816 PORTLOCALE= \
817      big5.o       \
818      btowc.o      \
819      collate.o    \
820      collcmp.o   \
821      euc.o        \
822      fnmatch.o   \
823      fgetwc.o    \
824      fgetws.o    \
825      fix_grouping.o \
826      fputwc.o    \
827      fputws.o   \
828      fwide.o     \
829      gb18030.o   \
830      gb2312.o    \
831      gbk.o       \
832      getdate.o   \
833      isdigit.o   \
834      iswctype.o  \
835      ldp.o        \
836      lmessages.o \
837      lnumeric.o  \
838      lmonetary.o \
839      localeimpl.o \
840      localeconv.o \
841      mbftowc.o   \
842      mblen.o     \
843      mbrlen.o    \
844      mbrtowc.o   \
845      mbsinit.o  \
846      mbsnrtowcs.o \
847      mbsrtowcs.o \
848      mbstowcs.o  \
849      mbtowc.o    \
850      mskanji.o   \
851      nextwctype.o \
852      nl_langinfo.o \
853      none.o      \

```

```

854      rune.o       \
855      runetype.o   \
856      setlocale.o  \
857      setrunelocale.o \
858      strcasecmp.o \
859      strcasestr.o \
860      strcoll.o    \
861      strfmon.o    \
862      strftime.o   \
863      strncasecmp.o \
864      strptime.o   \
865      strxfrm.o    \
866      table.o      \
867      timelocal.o  \
868      tolower.o    \
869      tolower.o    \
870      ungetwc.o    \
871      utf8.o       \
872      wctomb.o     \
873      wcscasecmp.o \
874      wcscoll.o    \
875      wcsftime.o   \
876      wcsnrtombs.o \
877      wcsrtombs.o \
878      wcstombs.o   \
879      wcswidth.o   \
880      wcsxfrm.o    \
881      wctob.o      \
882      wctomb.o     \
883      wctrans.o    \
884      wctype.o     \
885      wcwidth.o    \
886      wscoll.o     \
\
888 AIOOBS= \
889      aio.o        \
890      aio_alloc.o  \
891      posix_aio.o  \
\
893 RTOBJS= \
894      clock_timer.o \
895      mqueue.o      \
896      pos4obj.o     \
897      sched.o       \
898      sem.o         \
899      shm.o         \
900      sigev_thread.o \
\
902 TPOOLBJS= \
903      thread_pool.o \
\
905 THREADSOBJS= \
906      alloc.o       \
907      assfail.o     \
908      cancel.o      \
909      cll_thr.o     \
910      door_calls.o  \
911      tmem.o        \
912      pthr_attr.o   \
913      pthr_barrier.o \
914      pthr_cond.o   \
915      pthr_mutex.o  \
916      pthr_rwlock.o \
917      pthread.o     \
918      rwlock.o     \
919      scalls.o     \

```

```

920      sema.o          \
921      sigaction.o     \
922      spawn.o         \
923      synch.o         \
924      tdb_agent.o    \
925      thr.o           \
926      thread_interface.o \
927      tls.o          \
928      tsd.o           \

930 THREADSMACHOBJS= \
931      machdep.o     \

933 THREADSASMOBJS= \
934      asm_subr.o    \

936 UNICODEOBJS= \
937      u8_textprep.o \
938      uconv.o       \

940 UNWINDMACHOBJS= \
941      unwind.o      \

943 UNWINDASMOBJS= \
944      unwind_frame.o \

946 # objects that implement the transitional large file API
947 PORTSYS64= \
948      lockf64.o    \
949      stat64.o     \

951 PORTSYS= \
952      _autofssys.o \
953      access.o     \
954      acctctl.o    \
955      bsd_signal.o \
956      chmod.o      \
957      chown.o      \
958      corectl.o    \
959      epoll.o      \
960      eventfd.o    \
961      exacctsys.o  \
962      execl.o      \
963      execl.e.o    \
964      execv.o      \
965      fcntl.o      \
966      getpagesizes.o \
967      getpeerucred.o \
968      inst_sync.o  \
969      issetugid.o  \
970      label.o      \
971      link.o       \
972      lockf.o      \
973      lwp.o        \
974      lwp_cond.o   \
975      lwp_rwlock.o \
976      lwp_sigmask.o \
977      meminfosys.o \
978      mkdir.o      \
979      mknod.o      \
980      msgsys.o     \
981      nfssys.o     \
982      open.o       \
983      pgrpssys.o  \
984      posix_sigwait.o \
985      ppriv.o      \

```

```

986      psetsys.o    \
987      rctlsys.o    \
988      readlink.o   \
989      rename.o     \
990      sbrk.o       \
991      semsys.o     \
992      set_errno.o  \
993      sharefs.o    \
994      shmsys.o     \
995      sidsys.o     \
996      siginterrupt.o \
997      signal.o     \
998      signalfd.o   \
999      sigpending.o \
1000     sigstack.o   \
1001     stat.o       \
1002     symlink.o    \
1003     tasksys.o    \
1004     time.o       \
1005     time_util.o  \
1006     timerfd.o    \
1007     ucontext.o   \
1008     unlink.o     \
1009     ustat.o      \
1010     utimesys.o  \
1011     zone.o       \

1013 PORTREGEX= \
1014     glob.o     \
1015     regcmp.o   \
1016     regcomp.o  \
1017     regerror.o \
1018     regex.o    \
1019     regexec.o  \
1020     regfree.o  \
1021     wordexp.o  \

1023 PORTREGEX64= \
1024     glob64.o   \

1026 VALUES= values-Xa.o \

1028 MOSTOBJS= \
1029     $(STRETS) \
1030     $(CRTOBJS) \
1031     $(DYNOBJS) \
1032     $(FPOBJS) \
1033     $(FPASMOBJS) \
1034     $(ATOMICOBJS) \
1035     $(CHACHAOBJS) \
1036     $(XATTROBJS) \
1037     $(COMOBJS) \
1038     $(DTRACEOBJS) \
1039     $(GENOBJS) \
1040     $(PRFOBJS) \
1041     $(PORTFFP) \
1042     $(PORTGEN) \
1043     $(PORTGEN64) \
1044     $(PORTI18N) \
1045     $(PORTI18N_COND) \
1046     $(PORTINET) \
1047     $(PORTLOCALE) \
1048     $(PORTPRINT) \
1049     $(PORTPRINT_C89) \
1050     $(PORTPRINT_W) \
1051     $(PORTREGEX) \

```

```

1052 $(PORTREGEX64) \
1053 $(PORTSTDIO) \
1054 $(PORTSTDIO64) \
1055 $(PORTSTDIO_C89) \
1056 $(PORTSTDIO_W) \
1057 $(PORTSYS) \
1058 $(PORTSYS64) \
1059 $(AIOBJS) \
1060 $(RTOBJS) \
1061 $(SECFLAGSOBJS) \
1062 $(TPOOLBJS) \
1063 $(THREADSOBJS) \
1064 $(THREADSMACHOBJS) \
1065 $(THREADSASMOBJS) \
1066 $(UNICODEOBJS) \
1067 $(UNWINDMACHOBJS) \
1068 $(UNWINDASMOBJS) \
1069 $(COMSYSOBJS) \
1070 $(SYSOBJS) \
1071 $(COMSYSOBJS64) \
1072 $(SYSOBJS64) \
1073 $(VALUES)

1075 TRACEOBJS= \
1076     plockstat.o

1078 # NOTE: libc.so.1 must be linked with the minimal crti.o and crtn.o
1079 # modules whose source is provided in the $(SRC)/lib/crt directory.
1080 # This must be done because otherwise the Sun C compiler would insert
1081 # its own versions of these modules and those versions contain code
1082 # to call out to C++ initialization functions. Such C++ initialization
1083 # functions can call back into libc before thread initialization is
1084 # complete and this leads to segmentation violations and other problems.
1085 # Since libc contains no C++ code, linking with the minimal crti.o and
1086 # crtn.o modules is safe and avoids the problems described above.
1087 OBJECTS= $(CRTI) $(MOSTOBJS) $(CRTN)
1088 CRTSRCS= ../../crt/sparc

1090 # include common library definitions
1091 include $(SRC)/lib/Makefile.lib

1093 # we need to override the default SONAME here because we might
1094 # be building a variant object (still libc.so.1, but different filename)
1095 SONAME = libc.so.1

1097 CFLAGS += $(CCVERBOSE)

1099 # This is necessary to avoid problems with calling _ex_unwind().
1100 # We probably don't want any inlining anyway.
1101 CFLAGS += -xinline=

1103 CERRWARN += -_gcc=-Wno-parentheses
1104 CERRWARN += -_gcc=-Wno-switch
1105 CERRWARN += -_gcc=-Wno-uninitialized
1106 CERRWARN += -_gcc=-Wno-unused-value
1107 CERRWARN += -_gcc=-Wno-unused-label
1108 CERRWARN += -_gcc=-Wno-unused-variable
1109 CERRWARN += -_gcc=-Wno-type-limits
1110 CERRWARN += -_gcc=-Wno-char-subscripts
1111 CERRWARN += -_gcc=-Wno-clobbered
1112 CERRWARN += -_gcc=-Wno-unused-function
1113 CERRWARN += -_gcc=-Wno-address

1115 # Setting THREAD_DEBUG = -DTHREAD_DEBUG (make THREAD_DEBUG=-DTHREAD_DEBUG ...)
1116 # enables ASSERT() checking in the threads portion of the library.
1117 # This is automatically enabled for DEBUG builds, not for non-debug builds.

```

```

1118 THREAD_DEBUG =
1119 $(NOT_RELEASE_BUILD)THREAD_DEBUG = -DTHREAD_DEBUG

1121 # Make string literals read-only to save memory.
1122 CFLAGS += $(XSTRCONST)

1124 ALTPICS= $(TRACEOBJS:%=pics/%)

1126 $(DYNLIB) := BUILD.SO = $(LD) -o $@ -G $(DYNFLAGS) $(PICS) $(ALTPICS) $(EXTPICS)

1128 MAPFILES = $(LIBCDIR)/port/mapfile-vers

1130 CFLAGS += $(EXTN_CFLAGS)
1131 CPPFLAGS= -D_REENTRANT -Dsparc $(EXTN_CPPFLAGS) $(THREAD_DEBUG) \
1132           -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc $(CPPFLAGS.master)
1133 ASFLAGS= $(EXTN_ASFLAGS) -K pic -P -D__STDC__ -D_ASM $(CPPFLAGS) $(sparc_

1135 # As a favor to the dtrace syscall provider, libc still calls the
1136 # old syscall traps that have been obsoleted by the *at() interfaces.
1137 # Delete this to compile libc using only the new *at() system call traps
1138 CPPFLAGS += -D_RETAIN_OLD_SYSCALLS

1140 # Inform the run-time linker about libc specialized initialization
1141 RTLDINFO = -z rtldinfo=tls_rtldinfo
1142 DYNFLAGS += $(RTLDINFO)

1144 # Force libc's internal references to be resolved immediately upon loading
1145 # in order to avoid critical region problems. Since almost all libc symbols
1146 # are marked 'protected' in the mapfiles, this is a minimal set (15 to 20).
1147 DYNFLAGS += -znow

1149 DYNFLAGS += -e __rtboot
1150 DYNFLAGS += $(EXTN_DYNFLAGS)

1152 # Inform the kernel about the initial DTrace area (in case
1153 # libc is being used as the interpreter / runtime linker).
1154 DTRACE_DATA = -zdtrace=dtrace_data
1155 DYNFLAGS += $(DTRACE_DATA)

1157 # DTrace needs an executable data segment.
1158 MAPFILE.NED=

1160 BUILD.s= $(AS) $(ASFLAGS) $< -o $@

1162 # Override this top level flag so the compiler builds in its native
1163 # C99 mode. This has been enabled to support the complex arithmetic
1164 # added to libc.
1165 CSTD= $(CSTD_GNU99)

1167 # libc method of building an archive
1168 # The "$(GREP) -v ' L '" part is necessary only until
1169 # lorder is fixed to ignore thread-local variables.
1170 BUILD.AR= $(RM) $@ ; \
1171           $(AR) q $@ '$(LORDER) $(MOSTOBJS:%=$(DIR)/%) | $(GREP) -v ' L ' | $(TSOR

1173 # extra files for the clean target
1174 CLEANFILES= \
1175     $(LIBCDIR)/port/gen/errlst.c \
1176     $(LIBCDIR)/port/gen/new_list.c \
1177     assym.h \
1178     genassym \
1179     $(LIBCBASE)/crt/_rtld.s \
1180     $(LIBCBASE)/crt/_rtbootld.s \
1181     pics/_rtbootld.o \
1182     pics/crti.o \
1183     pics/crtn.o \

```

```

1184      $(ALTPICS)
1186 CLOBBERFILES += $(LIB_PIC)

1188 # list of C source for lint
1189 SRCS=
1190      $(ATOMICOBJS:%.o=$(SRC)/common/atomic/%.c) \
1191      $(XATTROBJS:%.o=$(SRC)/common/xattr/%.c) \
1192      $(COMOBJS:%.o=$(SRC)/common/util/%.c) \
1193      $(DTRACEOBJS:%.o=$(SRC)/common/dtrace/%.c) \
1194      $(PORTFP:%.o=$(LIBCDIR)/port/fp/%.c) \
1195      $(PORTGEN:%.o=$(LIBCDIR)/port/gen/%.c) \
1196      $(PORTI18N:%.o=$(LIBCDIR)/port/il8n/%.c) \
1197      $(PORTINET:%.o=$(LIBCDIR)/port/inet/%.c) \
1198      $(PORTLOCALE:%.o=$(LIBCDIR)/port/locale/%.c) \
1199      $(PORTPRINT:%.o=$(LIBCDIR)/port/print/%.c) \
1200      $(PORTREGEX:%.o=$(LIBCDIR)/port/regex/%.c) \
1201      $(PORTSTDIO:%.o=$(LIBCDIR)/port/stdio/%.c) \
1202      $(PORTSYS:%.o=$(LIBCDIR)/port/sys/%.c) \
1203      $(AIOBJS:%.o=$(LIBCDIR)/port/aio/%.c) \
1204      $(RTOBJS:%.o=$(LIBCDIR)/port/rt/%.c) \
1205      $(SECFLAGSOBJS:%.o=$(SRC)/common/secflags/%.c) \
1206      $(TPOOLBJS:%.o=$(LIBCDIR)/port/tpool/%.c) \
1207      $(THREADSOBJS:%.o=$(LIBCDIR)/port/threads/%.c) \
1208      $(THREADSMACHOBJS:%.o=$(LIBCDIR)/$(MACH)/threads/%.c) \
1209      $(UNICODEOBJS:%.o=$(SRC)/common/unicode/%.c) \
1210      $(UNWINDMACHOBJS:%.o=$(LIBCDIR)/port/unwind/%.c) \
1211      $(FPOBJS:%.o=$(LIBCDIR)/$(MACH)/fp/%.c) \
1212      $(LIBCBASE)/crt/_ftou.c \
1213      $(LIBCBASE)/gen/_xregs_clrptr.c \
1214      $(LIBCBASE)/gen/byteorder.c \
1215      $(LIBCBASE)/gen/ecvt.c \
1216      $(LIBCBASE)/gen/endian.c \
1217      $(LIBCBASE)/gen/getctxt.c \
1218      $(LIBCBASE)/gen/lmul.c \
1219      $(LIBCBASE)/gen/makectxt.c \
1220      $(LIBCBASE)/gen/siginfolst.c \
1221      $(LIBCBASE)/gen/siglongjmp.c \
1222      $(LIBCBASE)/gen/swapctxt.c \
1223      $(LIBCBASE)/sys/ptrace.c \
1224      $(LIBCBASE)/sys/uadmin.c

```

```

1226 # conditional assignments
1227 $(DYNLIB) := CRTI = crti.o
1228 $(DYNLIB) := CRTN = crtn.o

```

```

1230 # Files which need the threads .il inline template

```

```

1231 TIL=
1232      aio.o \
1233      alloc.o \
1234      assfail.o \
1235      atexit.o \
1236      atfork.o \
1237      cancel.o \
1238      door_calls.o \
1239      err.o \
1240      errno.o \
1241      getctxt.o \
1242      lwp.o \
1243      ma.o \
1244      machdep.o \
1245      posix_aio.o \
1246      pthr_attr.o \
1247      pthr_barrier.o \
1248      pthr_cond.o \
1249      pthr_mutex.o \

```

```

1250      pthr_rwlock.o \
1251      pthread.o \
1252      rand.o \
1253      rlock.o \
1254      scalls.o \
1255      sched.o \
1256      sema.o \
1257      sigaction.o \
1258      sigev_thread.o \
1259      spawn.o \
1260      stack.o \
1261      swapctxt.o \
1262      synch.o \
1263      tdb_agent.o \
1264      thr.o \
1265      thread_interface.o \
1266      thread_pool.o \
1267      tls.o \
1268      tsd.o \
1269      unwind.o

1271 $(TIL:%=pics%) := CFLAGS += $(LIBCBASE)/threads/sparc.il

1273 # special kludge for inlines with 'cas':
1274 pics/rwlock.o pics/synch.o pics/lwp.o pics/door_calls.o := \
1275      sparc_CFLAGS += -_gcc=-Wa,-xarch=v8plus

1277 # Files in port/fp subdirectory that need base.il inline template
1278 IL=
1279      __flt_decim.o \
1280      decimal_bin.o

1282 $(IL:%=pics%) := CFLAGS += $(LIBCBASE)/fp/base.il

1284 # Files in fp subdirectory which need __quad.il inline template
1285 QIL=
1286      __Q_add.o \
1287      __Q_cmp.o \
1288      __Q_cmpe.o \
1289      __Q_div.o \
1290      __Q_dtoq.o \
1291      __Q_fcc.o \
1292      __Q_mul.o \
1293      __Q_qtod.o \
1294      __Q_qtoi.o \
1295      __Q_qtos.o \
1296      __Q_qtou.o \
1297      __Q_sqrt.o \
1298      __Q_stoq.o \
1299      __Q_sub.o

```

```

1301 $(QIL:%=pics%) := CFLAGS += $(LIBCDIR)/$(MACH)/fp/__quad.il
1302 pics/_Q%.o := sparc_COPTFLAG = -xO4 -dalign
1303 pics/__quad%.o := sparc_COPTFLAG = -xO4 -dalign

```

```

1305 # large-file-aware components that should be built large

```

```

1307 $(COMSYSOBS64:%=pics%) := \
1308      CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1310 $(SYSOBJS64:%=pics%) := \
1311      CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1313 $(PORTGEN64:%=pics%) := \
1314      CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```



```

1316 $(PORTREGEX64:%=pics/%) := \
1317     CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1319 $(PORTSTDIO64:%=pics/%) := \
1320     CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1322 $(PORTSYS64:%=pics/%) := \
1323     CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1325 $(PORTSTDIO_W:%=pics/%) := \
1326     CPPFLAGS += -D_WIDE

1328 $(PORTPRINT_W:%=pics/%) := \
1329     CPPFLAGS += -D_WIDE

1331 # printf/scanf functions to support c89-sized intmax_t variables
1332 $(PORTPRINT_C89:%=pics/%) := \
1333     CPPFLAGS += -D_C89_INTMAX32

1335 $(PORTSTDIO_C89:%=pics/%) := \
1336     CPPFLAGS += -D_C89_INTMAX32

1338 $(PORTI18N_COND:%=pics/%) := \
1339     CPPFLAGS += -D_WCS_LOGLONG

1341 pics/arc4random.o := CPPFLAGS += -I$(SRC)/common/crypto/chacha

1343 # Files which need extra optimization
1344 pics/getenv.o := sparc_COPTFLAG = -xO4

1346 .KEEP_STATE:

1348 all: $(LIBS) $(LIB_PIC)

1350 lint := CPPFLAGS += -I$(LIBCDIR)/$(MACH)/fp
1351 lint := CPPFLAGS += -D_MSE_INT_H -D_LCONV_C99
1352 lint := LINTFLAGS += -mn

1354 lint:
1355     @echo $(LINT.c) ... $(LDLIBS)
1356     @$$(LINT.c) $(SRCS) $(LDLIBS)

1358 $(LINTLIB):= SRCS=$(LIBCDIR)/port/l1ib-1c
1359 $(LINTLIB):= CPPFLAGS += -D_MSE_INT_H
1360 $(LINTLIB):= LINTFLAGS=-nvx

1362 # object files that depend on inline template
1363 $(TIL:%=pics/%) := $(LIBCBASE)/threads/sparc.il
1364 $(IL:%=pics/%) := $(LIBCBASE)/fp/base.il
1365 $(QIL:%=pics/%) := $(LIBCDIR)/$(MACH)/fp/__quad.il

1367 # include common libc targets
1368 include $(LIBCDIR)/Makefile.targ

1370 # We need to strip out all CTF and DOF data from the static library
1371 $(LIB_PIC) := DIR = pics
1372 $(LIB_PIC): pics $$ (PICS)
1373     $(BUILD.AR)
1374     $(MCS) -d -n .SUNW_ctf $$@ > /dev/null 2>&1
1375     $(MCS) -d -n .SUNW_dof $$@ > /dev/null 2>&1
1376     $(AR) -ts $$@ > /dev/null
1377     $(POST_PROCESS_A)

1379 # special cases
1380 $(STRETS:%=pics/%) := $(LIBCBASE)/crt/stret.s
1381     $(AS) $(ASFLAGS) -DSTRET$(@F:stret%.o=) $(LIBCBASE)/crt/stret.s -o $$@

```

```

1382     $(POST_PROCESS_O)

1384 $(LIBCBASE)/crt/_rtbootld.s: $(LIBCBASE)/crt/_rtboot.s $(LIBCBASE)/crt/_rtld.
1385     $(CC) $(CPPFLAGS) $(CTF_FLAGS) -O -S -K pic \
1386     $(LIBCBASE)/crt/_rtld.c -o $(LIBCBASE)/crt/_rtld.s
1387     $(CAT) $(LIBCBASE)/crt/_rtboot.s $(LIBCBASE)/crt/_rtld.s > $$@
1388     $(RM) $(LIBCBASE)/crt/_rtld.s

1390 # partially built from C source
1391 pics/_rtbootld.o: $(LIBCBASE)/crt/_rtbootld.s
1392     $(AS) $(ASFLAGS) $(LIBCBASE)/crt/_rtbootld.s -o $$@
1393     $(CTFCONVERT_O)

1395 ASSYMDEP_OBJS= \
1396     _lwp_mutex_unlock.o \
1397     _stack_grow.o \
1398     asm_subr.o \
1399     setjmp.o \
1400     smt_pause.o \
1401     tls_get_addr.o \
1402     unwind_frame.o \
1403     vforkx.o

1405 $(ASSYMDEP_OBJS:%=pics/%) := CPPFLAGS += -I.

1407 $(ASSYMDEP_OBJS:%=pics/%) := assym.h

1409 # assym.h build rules

1411 assym.h := CFLAGS += -g

1413 GENASSYM_C = $(LIBCDIR)/$(MACH)/genassym.c
1414 LDFLAGS.native = $(LDCHECKS) -zassert-deflib=libc.so -Bdirect
1415 #endif /* ! codereview */

1417 genassym: $(GENASSYM_C)
1418     $(NATIVECC) $(NATIVE_CFLAGS) -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc \
1419     $(CPPFLAGS.native) $(LDFLAGS.native) -o $$@ $(GENASSYM_C)
1414     $(CPPFLAGS.native) -o $$@ $(GENASSYM_C)

1421 OFFSETS = $(LIBCDIR)/$(MACH)/offsets.in

1423 assym.h: $(OFFSETS) genassym
1424     $(OFFSETS_CREATE) <$(OFFSETS) >$$@
1425     ./genassym >>$$@

1427 # derived C source and related explicit dependencies
1428 $(LIBCDIR)/port/gen/errlst.c + \
1429 $(LIBCDIR)/port/gen/new_list.c: $(LIBCDIR)/port/gen/errlist $(LIBCDIR)/port/gen/
1430     cd $(LIBCDIR)/port/gen; pwd; $(AWK) -f errlist.awk < errlist

1432 pics/errlst.o: $(LIBCDIR)/port/gen/errlst.c

1434 pics/new_list.o: $(LIBCDIR)/port/gen/new_list.c

```

```

*****
25303 Wed Sep 19 23:19:52 2018
new/usr/src/lib/libc/sparcv9/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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 2016 Gary Mills
24 # Copyright (c) 1989, 2010, Oracle and/or its affiliates. All rights reserved.
25 # Copyright (c) 2015, Joyent, Inc. All rights reserved.
26 # Copyright (c) 2013, OmniTI Computer Consulting, Inc. All rights reserved.
27 # Copyright 2013 Garrett D'Amore <garrett@damore.org>
28 # Copyright 2018 Nexenta Systems, Inc.
29 #
30 #
31 LIBCDIR=      $(SRC)/lib/libc
32 LIB_PIC=      libc_pic.a
33 VERS=        .1
34 CPP=         /usr/lib/cpp
35 TARGET_ARCH= sparcv9

37 # objects are grouped by source directory

39 # Symbol capabilities objects.
40 EXTPICS=     \
41             $(LIBCDIR)/capabilities/sun4u/sparcv9/pics/symcap.o \
42             $(LIBCDIR)/capabilities/sun4u-opl/sparcv9/pics/symcap.o \
43             $(LIBCDIR)/capabilities/sun4u-us3-hwcap1/sparcv9/pics/symcap.o \
44             $(LIBCDIR)/capabilities/sun4u-us3-hwcap2/sparcv9/pics/symcap.o \
45             $(LIBCDIR)/capabilities/sun4v-hwcap1/sparcv9/pics/symcap.o \
46             $(LIBCDIR)/capabilities/sun4v-hwcap2/sparcv9/pics/symcap.o

48 # local objects
49 STRETS=

51 CRTOBSJ=    \
52             __align_cpy_2.o      \
53             __align_cpy_4.o      \
54             __align_cpy_8.o      \
55             _ftou.o              \
56             cerror.o

58 DYNOBJS=

60 FPOBJS=     \
61             _D_cplx_div.o        \

```

```

62             _D_cplx_div_ix.o     \
63             _D_cplx_div_rx.o     \
64             _D_cplx_mul.o        \
65             _F_cplx_div.o        \
66             _F_cplx_div_ix.o     \
67             _F_cplx_div_rx.o     \
68             _F_cplx_mul.o        \
69             _Q_add.o             \
70             _Q_cmp.o             \
71             _Q_cmpe.o            \
72             _Q_cplx_div.o        \
73             _Q_cplx_div_ix.o     \
74             _Q_cplx_div_rx.o     \
75             _Q_cplx_lr_div.o     \
76             _Q_cplx_lr_div_ix.o  \
77             _Q_cplx_lr_div_rx.o  \
78             _Q_cplx_lr_mul.o     \
79             _Q_cplx_mul.o        \
80             _Q_div.o             \
81             _Q_dtoq.o            \
82             _Q_fcc.o             \
83             _Q_itoq.o           \
84             _Q_mul.o             \
85             _Q_neg.o             \
86             _Q_qtod.o           \
87             _Q_qtoi.o           \
88             _Q_qtos.o           \
89             _Q_qtou.o           \
90             _Q_scl.o             \
91             _Q_sqrt.o           \
92             _Q_stoq.o           \
93             _Q_sub.o             \
94             _Q_utoq.o

96 FPOBJS64=  \
97             _Qp_qtox.o           \
98             _Qp_qtoux.o         \
99             _Qp_xtouq.o         \
100            _Qp_uxtoq.o         \
101            __dtoul.o           \
102            __ftoul.o

104 FPASMOBJS= \
105             _Q_get_rp_rd.o       \
106             __quad_mag64.o       \
107             fpgetmask.o         \
108             fpgetrnd.o          \
109             fpgetsticky.o       \
110             fpsetmask.o         \
111             fpsetrnd.o          \
112             fpsetsticky.o

114 $(__GNUC)FPASMOBJS += \
115             __quad.o

117 ATOMICOBJS= \
118             atomic.o

120 CHACHAOBJS= \
121             chacha.o

123 XATTROBJS= \
124             xattr_common.o

126 COMOBJS=   \
127             bcmp.o

```

```

128      bcopy.o          \
129      bsearch.o       \
130      bzero.o         \
131      memccpy.o       \
132      qsort.o         \
133      strtol.o        \
134      strtoul.o       \
135      strtoll.o       \
136      strtoull.o      \

138 GENOBJS=            \
139      _getsp.o        \
140      _xregs_clrptr.o \
141      abs.o           \
142      alloca.o        \
143      arc4random.o    \
144      arc4random_uniform.o \
145      ascii_strerror.o \
146      byteorder.o     \
147      cuexit.o        \
148      ecvt.o          \
149      endian.o        \
150      getctxt.o       \
151      lock.o          \
152      makectxt.o      \
153      memchr.o        \
154      memcmp.o        \
155      new_list.o      \
156      setjmp.o        \
157      siginfolst.o    \
158      siglongjmp.o    \
159      smt_pause.o     \
160      sparc_data.o    \
161      strchr.o        \
162      strcmp.o        \
163      strlcpy.o       \
164      strncmp.o       \
165      strncpy.o       \
166      strnlen.o       \
167      swapctxt.o     \
168      sync_instruction_memory.o \

170 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
171 # This macro should ALWAYS be empty; native APIs are already 'large file'.
172 COMSYSOBJS64=

174 SYSOBJS64=

176 COMSYSOBJS=        \
177      __clock_timer.o \
178      __getloadavg.o  \
179      __rusagesys.o   \
180      __signotify.o   \
181      __sigrt.o       \
182      __time.o        \
183      _lgrp_home_fast.o \
184      _lgrpsys.o      \
185      _nfssys.o       \
186      _portfs.o       \
187      _pset.o         \
188      _rpcsys.o       \
189      _sigaction.o    \
190      _so_accept.o    \
191      _so_bind.o      \
192      _so_connect.o   \
193      _so_getpeername.o \

```

```

194      _so_getsockname.o \
195      _so_getsockopt.o  \
196      _so_listen.o     \
197      _so_recv.o       \
198      _so_recvfrom.o   \
199      _so_recvmsg.o    \
200      _so_send.o       \
201      _so_sendmsg.o    \
202      _so_sendto.o     \
203      _so_setsockopt.o \
204      _so_shutdown.o   \
205      _so_socket.o     \
206      _so_socketpair.o \
207      _sockconfig.o    \
208      acct.o           \
209      acl.o            \
210      adjtime.o        \
211      alarm.o          \
212      brk.o            \
213      chdir.o          \
214      chroot.o         \
215      cladm.o          \
216      close.o          \
217      execve.o         \
218      exit.o           \
219      faccl.o          \
220      fchdir.o         \
221      fchroot.o        \
222      fdsync.o         \
223      fpathconf.o     \
224      fstatfs.o        \
225      fstatvfs.o      \
226      getcpuid.o       \
227      getdents.o       \
228      getegid.o        \
229      geteuid.o        \
230      getgid.o         \
231      getgroups.o      \
232      gethrtime.o      \
233      getitimer.o      \
234      getmsg.o         \
235      getpid.o         \
236      getpmsg.o        \
237      getppid.o        \
238      getrandom.o      \
239      getrlimit.o     \
240      getuid.o         \
241      gtty.o           \
242      install_utrap.o  \
243      ioctl.o         \
244      kaio.o           \
245      kill.o           \
246      llseek.o        \
247      lseek.o         \
248      memcntl.o       \
249      mincore.o       \
250      mmap.o          \
251      mmapobjsys.o    \
252      modctl.o        \
253      mount.o         \
254      mprotect.o      \
255      munmap.o        \
256      nice.o          \
257      ntp_adjtime.o   \
258      ntp_gettime.o   \
259      p_online.o      \

```

```

260 pathconf.o \
261 pause.o \
262 pcsample.o \
263 pipe2.o \
264 pollsys.o \
265 pread.o \
266 preadv.o \
267 priocntlset.o \
268 processor_bind.o \
269 processor_info.o \
270 profil.o \
271 psecflagsset.o \
272 putmsg.o \
273 putpmsg.o \
274 pwrite.o \
275 pwritev.o \
276 read.o \
277 readv.o \
278 resolvepath.o \
279 seteguid.o \
280 setgid.o \
281 setgroups.o \
282 setitimer.o \
283 setreid.o \
284 setrlimit.o \
285 setuid.o \
286 sigaltstk.o \
287 sigprocmsk.o \
288 sigsendset.o \
289 sigsuspend.o \
290 statfs.o \
291 statvfs.o \
292 stty.o \
293 sync.o \
294 sysconfig.o \
295 sysfs.o \
296 sysinfo.o \
297 syslwp.o \
298 times.o \
299 ulimit.o \
300 umask.o \
301 umount2.o \
302 utssys.o \
303 uucopy.o \
304 vhangup.o \
305 waitid.o \
306 write.o \
307 writev.o \
308 yield.o \

310 SYSOBSJ= \
311 __clock_gettime.o \
312 __getcontext.o \
313 __uadmin.o \
314 __lwp_mutex_unlock.o \
315 __stack_grow.o \
316 door.o \
317 forkx.o \
318 forkallx.o \
319 gettimeofday.o \
320 sparc_utrap_install.o \
321 syscall.o \
322 tls_get_addr.o \
323 uadmin.o \
324 umount.o \
325 uname.o \

```

```

326 vforkx.o \

328 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
329 # This macro should ALWAYS be empty; native APIs are already 'large file'.
330 PORTGEN64=

332 # objects from source under $(LIBCDIR)/port
333 PORTFP= \
334 __flt_decim.o \
335 __flt_rounds.o \
336 __tbl_10_b.o \
337 __tbl_10_h.o \
338 __tbl_10_s.o \
339 __tbl_2_b.o \
340 __tbl_2_h.o \
341 __tbl_2_s.o \
342 __tbl_fdq.o \
343 __tbl_tens.o \
344 __x_power.o \
345 __base_sup.o \
346 aconvert.o \
347 decimal_bin.o \
348 double_decim.o \
349 econvert.o \
350 fconvert.o \
351 file_decim.o \
352 finite.o \
353 fp_data.o \
354 func_decim.o \
355 gconvert.o \
356 hex_bin.o \
357 ieee_globals.o \
358 pack_float.o \
359 sigfpe.o \
360 string_decim.o \

362 PORTGEN= \
363 __env_data.o \
364 __xftw.o \
365 a64l.o \
366 abort.o \
367 addsev.o \
368 ascii_strncasecmp.o \
369 assert.o \
370 atexit.o \
371 atfork.o \
372 atof.o \
373 atoi.o \
374 atol.o \
375 atoll.o \
376 attrat.o \
377 attropen.o \
378 basename.o \
379 calloc.o \
380 catgets.o \
381 catopen.o \
382 cfgetispeed.o \
383 cfgetospeed.o \
384 cfree.o \
385 cfsetispeed.o \
386 cfsetospeed.o \
387 cftime.o \
388 clock.o \
389 closedir.o \
390 closefrom.o \
391 confstr.o \

```

```

392      crypt.o          \|
393      csetlen.o        \|
394      ctime.o          \|
395      ctime_r.o       \|
396      daemon.o        \|
397      deflt.o         \|
398      directio.o      \|
399      dirname.o       \|
400      div.o           \|
401      drand48.o       \|
402      dup.o           \|
403      env_data.o     \|
404      err.o           \|
405      errno.o         \|
406      euclen.o        \|
407      event_port.o   \|
408      execvp.o        \|
409      explicit_bzero.o \|
410      fattach.o       \|
411      fdetach.o       \|
412      fdopendir.o    \|
413      ffs.o           \|
414      flock.o         \|
415      fls.o           \|
416      fmtmsg.o        \|
417      freezer.o       \|
418      ftime.o         \|
419      ftok.o          \|
420      fts.o           \|
421      ftw.o           \|
422      gcvt.o          \|
423      get_nprocs.o    \|
424      getauxv.o       \|
425      getcwd.o        \|
426      getdate_err.o  \|
427      getdtblsize.o  \|
428      getentropy.o    \|
429      getenv.o        \|
430      getexecname.o   \|
431      getgrnam.o      \|
432      getgrnam_r.o    \|
433      gethostid.o     \|
434      gethostname.o   \|
435      gethz.o         \|
436      getisax.o       \|
437      getloadavg.o    \|
438      getlogin.o      \|
439      getmntent.o     \|
440      getnetgrent.o   \|
441      getopt.o        \|
442      getopt_long.o   \|
443      getpagesize.o   \|
444      getpw.o         \|
445      getpwnam.o     \|
446      getpwnam_r.o    \|
447      getrusage.o     \|
448      getspent.o      \|
449      getspent_r.o    \|
450      getsubopt.o     \|
451      gettxt.o        \|
452      getusershell.o  \|
453      getut.o         \|
454      getutx.o        \|
455      getvfsent.o     \|
456      getwd.o         \|
457      getwidth.o     \|

```

```

458      getxby_door.o  \|
459      gtxt.o          \|
460      hsearch.o       \|
461      iconv.o         \|
462      imaxabs.o       \|
463      imaxdiv.o       \|
464      index.o         \|
465      initgroups.o   \|
466      insque.o        \|
467      isaexec.o       \|
468      isastream.o    \|
469      isatty.o        \|
470      killpg.o        \|
471      klpdlib.o       \|
472      l64a.o          \|
473      lckpwdf.o       \|
474      lconstants.o   \|
475      ldivide.o       \|
476      lexpl0.o        \|
477      lfind.o         \|
478      lfmt.o          \|
479      lfmt_log.o      \|
480      lldiv.o         \|
481      llog10.o        \|
482      lltostr.o       \|
483      lmath.o         \|
484      localtime.o    \|
485      lsearch.o       \|
486      madvise.o       \|
487      malloc.o        \|
488      memalign.o      \|
489      memmem.o        \|
490      memset_s.o      \|
491      mkdev.o         \|
492      mkdtemp.o       \|
493      mkfifo.o        \|
494      mkstemp.o       \|
495      mktemp.o        \|
496      mlock.o         \|
497      mlockall.o     \|
498      mon.o           \|
499      msync.o         \|
500      munlock.o       \|
501      munlockall.o   \|
502      ndbm.o          \|
503      nftw.o          \|
504      nlspath_checks.o \|
505      nsparse.o       \|
506      nss_common.o    \|
507      nss_dbdefs.o    \|
508      nss_deffinder.o \|
509      opendir.o       \|
510      opt_data.o      \|
511      perror.o        \|
512      pfmt.o          \|
513      pfmt_data.o     \|
514      pfmt_print.o    \|
515      pipe.o          \|
516      plock.o         \|
517      poll.o          \|
518      posix_fadvise.o \|
519      posix_fallocate.o \|
520      posix_madvise.o \|
521      posix_memalign.o \|
522      priocntl.o      \|
523      priv_str_xlate.o \|

```

```

524     privlib.o           \
525     psecflags.o        \
526     psiginfo.o         \
527     psignal.o          \
528     pt.o               \
529     putpwent.o         \
530     putsptent.o        \
531     raise.o            \
532     rand.o             \
533     random.o           \
534     rctlops.o          \
535     readdir.o          \
536     readdir_r.o        \
537     reallocarray.o     \
538     reallocarray.o     \
539     realpath.o         \
540     reboot.o           \
541     regexpr.o          \
542     remove.o           \
543     rewinddir.o        \
544     rindex.o           \
545     scandir.o          \
546     seekdir.o          \
547     select.o           \
548     set_constraint_handler_s.o \
549     setlabel.o         \
550     setpriority.o       \
551     settimeofday.o     \
552     sh_locks.o         \
553     sigflag.o          \
554     siglist.o          \
555     sigsend.o          \
556     sigsetops.o        \
557     signal.o           \
558     stack.o            \
559     stpcpy.o           \
560     stpncpy.o          \
561     str2sig.o          \
562     strcase_ucharmp.o  \
563     strcat.o           \
564     strchrnul.o        \
565     strcspn.o          \
566     strdup.o           \
567     strerror.o         \
568     strlcat.o          \
569     strncat.o          \
570     strndup.o          \
571     strpbrk.o          \
572     strrchr.o          \
573     strsep.o           \
574     strsignal.o        \
575     strspn.o           \
576     strstr.o           \
577     strtod.o           \
578     strtointmax.o      \
579     strtok.o           \
580     strtok_r.o         \
581     strtonum.o         \
582     strtoumax.o       \
583     swab.o             \
584     swapctl.o          \
585     sysconf.o          \
586     syslog.o           \
587     tcdrain.o          \
588     tcflow.o           \
589     tcflush.o          \

```

```

590     tcgetattr.o        \
591     tcgetpgrp.o        \
592     tcgetsid.o         \
593     tcsendbreak.o     \
594     tcsetattr.o        \
595     tcsetpgrp.o        \
596     tell.o             \
597     telldir.o          \
598     tfind.o            \
599     time_data.o        \
600     time_gdata.o      \
601     timespec_get.o     \
602     tls_data.o         \
603     truncate.o         \
604     tsdalloc.o         \
605     tsearch.o          \
606     ttyname.o          \
607     ttyslot.o          \
608     ualarm.o           \
609     ucred.o            \
610     valloc.o           \
611     vlfmt.o            \
612     vpfmt.o            \
613     waitpid.o          \
614     walkstack.o        \
615     wdata.o            \
616     xgetwidth.o        \
617     xpg4.o             \
618     xpg6.o             \
620 PORTINET=            \
621     inet_lnaof.o       \
622     inet_makeaddr.o   \
623     inet_network.o    \
624     inet_ntoa.o       \
625     inet_ntop.o       \
626     inet_pton.o       \
628 PORTPRINT_W=        \
629     doprnt_w.o        \
631 PORTPRINT=          \
632     asprintf.o         \
633     doprnt.o           \
634     fprintf.o          \
635     printf.o           \
636     snprintf.o         \
637     sprintf.o          \
638     vfprintf.o         \
639     vprintf.o          \
640     vsnprintf.o        \
641     vsprintf.o         \
642     vwprintf.o         \
643     wprintf.o          \
645 # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
646 # This macro should ALWAYS be empty; native APIs are already 'large file'.
647 PORTSTDIO64=
649 PORTSTDIO_W=        \
650     doscan_w.o        \
652 PORTSTDIO=          \
653     __extensions.o    \
654     __endopen.o       \
655     __filbuf.o        \

```

```

656     _findbuf.o      \|
657     _flsbuf.o      \|
658     _wrtchk.o      \|
659     clearerr.o     \|
660     ctermid.o      \|
661     ctermid_r.o    \|
662     cuserid.o      \|
663     data.o         \|
664     doscan.o       \|
665     fdopen.o       \|
666     feof.o         \|
667     ferror.o       \|
668     fgetc.o        \|
669     fgets.o        \|
670     fileno.o       \|
671     flockf.o       \|
672     flush.o        \|
673     fopen.o        \|
674     fpos.o         \|
675     fputc.o        \|
676     fputs.o        \|
677     fread.o        \|
678     fseek.o        \|
679     fseeko.o       \|
680     ftell.o        \|
681     ftello.o       \|
682     fwrite.o       \|
683     getc.o         \|
684     getchar.o      \|
685     getline.o      \|
686     getpass.o      \|
687     gets.o         \|
688     getw.o         \|
689     popen.o        \|
690     putc.o         \|
691     putchar.o     \|
692     puts.o         \|
693     putw.o         \|
694     rewind.o       \|
695     scanf.o        \|
696     setbuf.o       \|
697     setbuffer.o   \|
698     setvbuf.o     \|
699     system.o       \|
700     tmpnam.o       \|
701     tmpfile.o     \|
702     tmpnam_r.o    \|
703     ungetc.o      \|
704     mse.o         \|
705     vscanf.o      \|
706     vwscanf.o     \|
707     wscanf.o      \|

709 PORTI18N=      \|
710     getwchar.o    \|
711     putwchar.o    \|
712     puts.o        \|
713     strtows.o     \|
714     wcsnlen.o     \|
715     wcstoimax.o   \|
716     wcstol.o      \|
717     wcstoul.o     \|
718     wcswcs.o      \|
719     wscat.o       \|
720     wschr.o       \|
721     wscmp.o       \|

```

```

722     wscpy.o        \|
723     wscspn.o       \|
724     wsdup.o        \|
725     wslen.o        \|
726     wsncat.o       \|
727     wsncmp.o       \|
728     wsncpy.o       \|
729     wspbrk.o       \|
730     wsprintf.o     \|
731     wsrchr.o       \|
732     wsscanf.o      \|
733     wsspn.o        \|
734     wstod.o        \|
735     wstok.o        \|
736     wstol.o        \|
737     wstoll.o       \|
738     wsxfrm.o       \|
739     wmemchr.o      \|
740     wmemcmp.o      \|
741     wmemcpy.o      \|
742     wmemmove.o     \|
743     wmemset.o      \|
744     wcstr.o        \|
745     gettext.o      \|
746     gettext_real.o \|
747     gettext_util.o \|
748     gettext_gnu.o  \|
749     plural_parser.o \|
750     wdresolve.o    \|
751     _ctype.o       \|
752     isascii.o      \|
753     toascii.o      \|

755 PORTI18N_COND= \|
756     wcstol_longlong.o \|
757     wcstoul_longlong.o \|

759 PORTLOCALE=     \|
760     big5.o         \|
761     btowc.o        \|
762     collate.o      \|
763     collcmp.o      \|
764     euc.o          \|
765     fnmatch.o      \|
766     fgetwc.o       \|
767     fgetws.o       \|
768     fix_grouping.o \|
769     fputwc.o       \|
770     fputws.o       \|
771     fwide.o        \|
772     gb18030.o      \|
773     gb2312.o       \|
774     gbk.o          \|
775     getdate.o      \|
776     isdigit.o      \|
777     iswctype.o     \|
778     ldpair.o       \|
779     lmessages.o    \|
780     lnumeric.o     \|
781     lmonetary.o    \|
782     localeconv.o   \|
783     localeimpl.o   \|
784     mbftowc.o      \|
785     mblen.o        \|
786     mbrlen.o       \|
787     mbrtowc.o      \|

```

```

788     mbsinit.o           \
789     mbsnrto wcs.o       \
790     mbsrtowcs.o        \
791     mbstowcs.o         \
792     mbtowc.o           \
793     mskanji.o          \
794     nextwctype.o       \
795     nl_langinfo.o      \
796     none.o             \
797     rune.o             \
798     runetype.o         \
799     setlocale.o        \
800     setrunelocale.o   \
801     strcasecmp.o       \
802     strcasestr.o       \
803     strcoll.o          \
804     strfmon.o          \
805     strftime.o        \
806     strncasecmp.o      \
807     strptime.o         \
808     strxfrm.o          \
809     table.o            \
810     timelocal.o        \
811     tolower.o          \
812     towlower.o         \
813     ungetwc.o          \
814     utf8.o             \
815     wcrto mb.o         \
816     wcscasecmp.o      \
817     wcscoll.o          \
818     wcsftime.o         \
819     wcsnrtombs.o       \
820     wcsrtombs.o        \
821     wcstombs.o         \
822     wcswidth.o         \
823     wcsxfrm.o          \
824     wctob.o            \
825     wctomb.o           \
826     wctrans.o          \
827     wctype.o           \
828     wcwidth.o          \
829     wscoll.o           \
\
831     AIOOBJS=           \
832     aio.o              \
833     aio_alloc.o        \
834     posix_aio.o        \
\
836     RTOBJS=           \
837     clock_timer.o      \
838     mqueue.o           \
839     pos4obj.o          \
840     sched.o            \
841     sem.o              \
842     shm.o              \
843     sigev_thread.o     \
\
845     SECFLAGSOBJS=     \
846     secflags.o        \
\
848     TPOOLBJS=         \
849     thread_pool.o     \
\
851     THREADSOBJS=      \
852     alloc.o            \
853     assfail.o          \

```

```

854     cli_thr.o          \
855     cancel.o           \
856     door_calls.o       \
857     tmem.o             \
858     pthr_attr.o        \
859     pthr_barrier.o     \
860     pthr_cond.o        \
861     pthr_mutex.o       \
862     pthr_rwlock.o      \
863     pthread.o          \
864     rwlock.o           \
865     scalls.o           \
866     sema.o             \
867     sigaction.o        \
868     spawn.o            \
869     synch.o            \
870     tdb_agent.o        \
871     thr.o              \
872     thread_interface.o \
873     tls.o              \
874     tsd.o              \
\
876     THREADSMACHOBJS=  \
877     machdep.o         \
\
879     THREADSASMOBJS=   \
880     asm_subr.o        \
\
882     UNICODEOBJS=     \
883     u8_textprep.o     \
884     uconv.o           \
\
886     UNWINDMACHOBJS=   \
887     unwind.o          \
\
889     UNWINDASMOBJS=    \
890     unwind_frame.o    \
\
892     # Preserved solely to ease maintenance of 32-bit and 64-bit library builds
893     # This macro should ALWAYS be empty; native APIs are already 'large file'.
894     PORTSYS64=
\
896     PORTSYS=           \
897     _autofssys.o      \
898     access.o           \
899     acctctl.o          \
900     bsd_signal.o       \
901     chmod.o            \
902     chown.o            \
903     corectl.o          \
904     eventfd.o          \
905     epoll.o            \
906     exacctsyst.o       \
907     execl.o            \
908     execl.o            \
909     execv.o            \
910     fcntl.o            \
911     getpagesizes.o     \
912     getpeerucred.o     \
913     inst_sync.o        \
914     issetugid.o        \
915     label.o            \
916     link.o             \
917     lockf.o            \
918     lwp.o              \
919     lwp_cond.o         \

```



```

920     lwp_rwlock.o      \
921     lwp_sigmask.o     \
922     meminfosys.o     \
923     mkdir.o          \
924     mknod.o           \
925     msgsys.o          \
926     nfssys.o          \
927     open.o            \
928     pgrpsys.o         \
929     posix_sigwait.o   \
930     ppriv.o           \
931     psetsys.o         \
932     rctlsys.o         \
933     readlink.o        \
934     rename.o          \
935     sbrk.o            \
936     semsys.o          \
937     set_errno.o       \
938     sharefs.o         \
939     shmsys.o          \
940     sidsys.o          \
941     siginterrupt.o    \
942     signal.o          \
943     signalfd.o        \
944     sigpending.o      \
945     sigstack.o        \
946     stat.o            \
947     symlink.o         \
948     tasksys.o         \
949     time.o            \
950     time_util.o       \
951     timerfd.o         \
952     ucontext.o        \
953     unlink.o          \
954     ustat.o           \
955     utimesys.o        \
956     zone.o            \
\
958 PORTREGEX=          \
959     glob.o            \
960     regcmp.o          \
961     regcomp.o         \
962     regerror.o        \
963     regex.o           \
964     regexec.o         \
965     regfree.o         \
966     wordexp.o         \
\
968 VALUES= values-Xa.o
\
970 MOSTOBSJS=          \
971     $(STRETS)         \
972     $(CRTOBSJS)       \
973     $(DYNOBJS)        \
974     $(FPOBJS)         \
975     $(FPOBJS64)       \
976     $(FPASMOBJS)     \
977     $(ATOMICOBJS)    \
978     $(CHACHAOBJS)    \
979     $(XATTROBJS)     \
980     $(COMOBJS)        \
981     $(GENOBJS)        \
982     $(PRFOBJS)        \
983     $(PORTFP)         \
984     $(PORTGEN)        \
985     $(PORTGEN64)     \

```

```

986     $(PORTI18N)       \
987     $(PORTI18N_COND) \
988     $(PORTINET)       \
989     $(PORTLOCALE)     \
990     $(PORTPRINT)      \
991     $(PORTPRINT_W)    \
992     $(PORTREGEX)      \
993     $(PORTSTDIO)      \
994     $(PORTSTDIO64)    \
995     $(PORTSTDIO_W)    \
996     $(PORTSYS)        \
997     $(PORTSYS64)      \
998     $(AIOOBJS)        \
999     $(RTOBJS)         \
1000    $(SECFLAGSOBJS)    \
1001    $(TPOOLBJS)       \
1002    $(THREADSOBJS)    \
1003    $(THREADSMACHOBJS) \
1004    $(THREADSASMOBJS) \
1005    $(UNICODEOBJS)    \
1006    $(UNWINDMACHOBJS) \
1007    $(UNWINDASMOBJS) \
1008    $(COMSYSOBJS)     \
1009    $(YSOBSJS)         \
1010    $(COMSYSOBJS64)   \
1011    $(YSOBSJS64)      \
1012    $(VALUES)         \
\
1014 TRACEOBSJS=        \
1015     plockstat.o      \
\
1017 # NOTE: libc.so.1 must be linked with the minimal crt1.o and crtn.o
1018 # modules whose source is provided in the $(SRC)/lib/crt directory.
1019 # This must be done because otherwise the Sun C compiler would insert
1020 # its own versions of these modules and those versions contain code
1021 # to call out to C++ initialization functions. Such C++ initialization
1022 # functions can call back into libc before thread initialization is
1023 # complete and this leads to segmentation violations and other problems.
1024 # Since libc contains no C++ code, linking with the minimal crt1.o and
1025 # crtn.o modules is safe and avoids the problems described above.
1026 OBJECTS= $(CRTI) $(MOSTOBSJS) $(CRTN)
1027 CRTSRCS= ../../crt/sparc
\
1029 # include common library definitions
1030 include $(SRC)/lib/Makefile.lib
1031 include $(SRC)/lib/Makefile.lib.64
\
1033 # we need to override the default SONAME here because we might
1034 # be building a variant object (still libc.so.1, but different filename)
1035 SONAME = libc.so.1
\
1037 CFLAGS64 += $(CCVERBOSE)
\
1039 # This is necessary to avoid problems with calling _ex_unwind().
1040 # We probably don't want any inlining anyway.
1041 CFLAGS64 += -xinline=
\
1043 CERRWARN += -_gcc=-Wno-parentheses
1044 CERRWARN += -_gcc=-Wno-switch
1045 CERRWARN += -_gcc=-Wno-uninitialized
1046 CERRWARN += -_gcc=-Wno-unused-value
1047 CERRWARN += -_gcc=-Wno-unused-label
1048 CERRWARN += -_gcc=-Wno-unused-variable
1049 CERRWARN += -_gcc=-Wno-type-limits
1050 CERRWARN += -_gcc=-Wno-char-subscripts
1051 CERRWARN += -_gcc=-Wno-clobbered

```

```

1052 CERRWARN += _gcc=-Wno-unused-function
1053 CERRWARN += _gcc=-Wno-address

1055 # Setting THREAD_DEBUG = -DTHREAD_DEBUG (make THREAD_DEBUG=-DTHREAD_DEBUG ...)
1056 # enables ASSERT() checking in the threads portion of the library.
1057 # This is automatically enabled for DEBUG builds, not for non-debug builds.
1058 THREAD_DEBUG =
1059 $(NOT_RELEASE_BUILD)THREAD_DEBUG = -DTHREAD_DEBUG

1061 # Make string literals read-only to save memory.
1062 CFLAGS64 += $(XSTRCONST)

1064 ALTPICS= $(TRACEOBSJ:%=pics/%)

1066 $(DYNLIB) := BUILD.SO = $(LD) -o $@ -G $(DYNFLAGS) $(PICS) $(ALTPICS) $(EXTPICS)

1068 MAPFILES = $(LIBCDIR)/port/mapfile-vers

1070 sparcv9_C_PICFLAGS= -K PIC
1071 CFLAGS64 += $(EXTN_CFLAGS)
1072 CPPFLAGS= -D_REENTRANT -Dsparc $(EXTN_CPPFLAGS) $(THREAD_DEBUG) \
1073 -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc $(CPPFLAGS.master)
1074 ASFLAGS= $(EXTN_ASFLAGS) -K PIC -P -D__STDC__ -D__ASM -D__sparcv9 $(CPPFLA
1075 $(sparcv9_AS_XARCH)

1077 # As a favor to the dtrace syscall provider, libc still calls the
1078 # old syscall traps that have been obsoleted by the *at() interfaces.
1079 # Delete this to compile libc using only the new *at() system call traps
1080 CPPFLAGS += -D_RETAIN_OLD_SYSCALLS

1082 # Inform the run-time linker about libc specialized initialization
1083 RTLDINFO = -z rtldinfo=tls_rtldinfo
1084 DYNFLAGS += $(RTLDINFO)

1086 # Force libc's internal references to be resolved immediately upon loading
1087 # in order to avoid critical region problems. Since almost all libc symbols
1088 # are marked 'protected' in the mapfiles, this is a minimal set (15 to 20).
1089 DYNFLAGS += -znov

1091 DYNFLAGS += $(EXTN_DYNFLAGS)

1093 BUILD.s= $(AS) $(ASFLAGS) $< -o $@

1095 # Override this top level flag so the compiler builds in its native
1096 # C99 mode. This has been enabled to support the complex arithmetic
1097 # added to libc.
1098 CSTD= $(CSTD_GNU99)

1100 # libc method of building an archive
1101 # The "$(GREP) -v ' L '" part is necessary only until
1102 # lorder is fixed to ignore thread-local variables.
1103 BUILD.AR= $(RM) $@ ; \
1104 $(AR) q $@ '$(LORDER) $(MOSTOBSJ:%=$(DIR)/%) | $(GREP) -v ' L ' | $(TSOR

1106 # extra files for the clean target
1107 CLEANFILES= \
1108 $(LIBCDIR)/port/gen/errlst.c \
1109 $(LIBCDIR)/port/gen/new_list.c \
1110 assym.h \
1111 genassym \
1112 pics/crti.o \
1113 pics/crtn.o \
1114 $(ALTPICS)

1116 CLOBBERFILES += $(LIB_PIC)

```

```

1118 # list of C source for lint
1119 SRCS=
1120 $(ATOMICOBJS:%.o=$(SRC)/common/atomic/%.c) \
1121 $(XATTROBJS:%.o=$(SRC)/common/xattr/%.c) \
1122 $(COMOBSJ:%.o=$(SRC)/common/util/%.c) \
1123 $(PORTFP:%.o=$(LIBCDIR)/port/fp/%.c) \
1124 $(PORTGEN:%.o=$(LIBCDIR)/port/gen/%.c) \
1125 $(PORTI18N:%.o=$(LIBCDIR)/port/i18n/%.c) \
1126 $(PORTINET:%.o=$(LIBCDIR)/port/inet/%.c) \
1127 $(PORTLOCALE:%.o=$(LIBCDIR)/port/locale/%.c) \
1128 $(PORTPRINT:%.o=$(LIBCDIR)/port/print/%.c) \
1129 $(PORTREGEX:%.o=$(LIBCDIR)/port/regex/%.c) \
1130 $(PORTSTDIO:%.o=$(LIBCDIR)/port/stdio/%.c) \
1131 $(PORTSYS:%.o=$(LIBCDIR)/port/sys/%.c) \
1132 $(AIOOBJS:%.o=$(LIBCDIR)/port/aio/%.c) \
1133 $(RTOBJS:%.o=$(LIBCDIR)/port/rt/%.c) \
1134 $(SECFLAGSOBJS:%.o=$(SRC)/common/secflags/%.c) \
1135 $(TPOOLSOBJS:%.o=$(LIBCDIR)/port/tpool/%.c) \
1136 $(THREADSOBJS:%.o=$(LIBCDIR)/port/threads/%.c) \
1137 $(THREADSMACHOBJS:%.o=$(LIBCDIR)/$(MACH)/threads/%.c) \
1138 $(UNICODEOBJS:%.o=$(SRC)/common/unicode/%.c) \
1139 $(UNWINDMACHOBJS:%.o=$(LIBCDIR)/port/unwind/%.c) \
1140 $(FPOBJS:%.o=$(LIBCDIR)/$(MACH)/fp/%.c) \
1141 $(FPOBJS64:%.o=$(LIBCBASE)/fp/%.c) \
1142 $(LIBCBASE)/crt/_ftou.c \
1143 $(LIBCBASE)/gen/_xregs_clrptr.c \
1144 $(LIBCBASE)/gen/byteorder.c \
1145 $(LIBCBASE)/gen/endian.c \
1146 $(LIBCBASE)/gen/ecvt.c \
1147 $(LIBCBASE)/gen/getctxt.c \
1148 $(LIBCBASE)/gen/makectxt.c \
1149 $(LIBCBASE)/gen/signfolst.c \
1150 $(LIBCBASE)/gen/siglongjmp.c \
1151 $(LIBCBASE)/gen/swapctxt.c

1153 # conditional assignments
1154 $(DYNLIB) := CRTI = crt.i.o
1155 $(DYNLIB) := CRTN = crtn.o

1157 # Files which need the threads .il inline template
1158 TIL=
1159 aio.o \
1160 alloc.o \
1161 assfail.o \
1162 atexit.o \
1163 atfork.o \
1164 cancel.o \
1165 door_calls.o \
1166 err.o \
1167 errno.o \
1168 getctxt.o \
1169 lwp.o \
1170 ma.o \
1171 machdep.o \
1172 posix_aio.o \
1173 pthr_attr.o \
1174 pthr_barrier.o \
1175 pthr_cond.o \
1176 pthr_mutex.o \
1177 pthr_rwlock.o \
1178 pthread.o \
1179 rand.o \
1180 rlock.o \
1181 scalls.o \
1182 sched.o \
1183 sema.o \

```

```

1184 sigaction.o \
1185 sigev_thread.o \
1186 spawn.o \
1187 stack.o \
1188 swapctxt.o \
1189 synch.o \
1190 tdb_agent.o \
1191 thr.o \
1192 thread_interface.o \
1193 thread_pool.o \
1194 tls.o \
1195 tsd.o \
1196 unwind.o

1198 $(TIL:%=pics/%) := CFLAGS64 += $(LIBCBASE)/threads/sparcv9.il

1200 # Files in fp, port/fp subdirectories that need base.il inline template
1201 IL= \
1202 __flt_decim.o \
1203 decimal_bin.o

1205 $(IL:%=pics/%) := CFLAGS64 += $(LIBCBASE)/fp/base.il

1207 # Files in fp subdirectory which need __quad.il inline template
1208 QIL= \
1209 __Q_add.o \
1210 __Q_cmp.o \
1211 __Q_cmpe.o \
1212 __Q_div.o \
1213 __Q_dtoq.o \
1214 __Q_fcc.o \
1215 __Q_mul.o \
1216 __Q_qtod.o \
1217 __Q_qtoi.o \
1218 __Q_qtos.o \
1219 __Q_qtou.o \
1220 __Q_sqrt.o \
1221 __Q_stoq.o \
1222 __Q_sub.o \
1223 __Qp_qtox.o \
1224 __Qp_qtoux.o

1226 $(QIL:%=pics/%) := CFLAGS64 += $(LIBCDIR)/$(MACH)/fp/__quad.il
1227 pics/_Op%.o := CFLAGS64 += -I$(LIBCDIR)/$(MACH)/fp
1228 pics/_Q%.o := sparcv9_COPTFLAG = -xO4 -xchip=ultra

1230 # Files in crt subdirectory which need muldiv64.il inline template
1231 #CIL= mul64.o divrem64.o
1232 #$(CIL:%=pics/%) := CFLAGS += $(LIBCBASE)/crt/mul64.il

1234 # large-file-aware components that should be built large

1236 #$(COMSYSOBS64:%=pics/%) := \
1237 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1239 #$(SYSOBS64:%=pics/%) := \
1240 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1242 #$(PORTGEN64:%=pics/%) := \
1243 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1245 #$(PORTSTDIO64:%=pics/%) := \
1246 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

1248 #$(PORTSYS64:%=pics/%) := \
1249 # CPPFLAGS += -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64

```

```

1251 $(PORTSTDIO_W:%=pics/%) := \
1252 CPPFLAGS += -D_WIDE

1254 $(PORTPRINT_W:%=pics/%) := \
1255 CPPFLAGS += -D_WIDE

1257 $(PORTI18N_COND:%=pics/%) := \
1258 CPPFLAGS += -D_WCS_LOGLONG

1260 pics/arc4random.o := CPPFLAGS += -I$(SRC)/common/crypto/chacha

1262 # Files which need extra optimization
1263 pics/getenv.o := sparcv9_COPTFLAG = -xO4

1265 .KEEP_STATE:

1267 all: $(LIBS) $(LIB_PIC)

1269 lint := CPPFLAGS += -I$(LIBCDIR)/$(MACH)/fp
1270 lint := CPPFLAGS += -D_MSE_INT_H -D_LCONV_C99
1271 lint := LINTFLAGS64 += -mn

1273 lint:
1274 @echo $(LINT.c) ... $(LDLIBS)
1275 @$(LINT.c) $(SRCS) $(LDLIBS)

1277 $(LINTLIB) := SRCS=$(LIBCDIR)/port/l1ib-1c
1278 $(LINTLIB) := CPPFLAGS += -D_MSE_INT_H
1279 $(LINTLIB) := LINTFLAGS64=-nvx -m64

1281 # object files that depend on inline template
1282 $(TIL:%=pics/%) := $(LIBCBASE)/threads/sparcv9.il
1283 $(IL:%=pics/%) := $(LIBCBASE)/fp/base.il
1284 $(QIL:%=pics/%) := $(LIBCDIR)/$(MACH)/fp/__quad.il
1285 #$(CIL:%=pics/%) := $(LIBCBASE)/crt/muldiv64.il

1287 # include common libc targets
1288 include $(LIBCDIR)/Makefile.targ

1290 # We need to strip out all CTF and DOF data from the static library
1291 $(LIB_PIC) := DIR = pics
1292 $(LIB_PIC): pics $$ (PICS)
1293 $(BUILD.AR)
1294 $(MCS) -d -n .SUNW_ctf $$@ > /dev/null 2>&1
1295 $(MCS) -d -n .SUNW_dof $$@ > /dev/null 2>&1
1296 $(AR) -ts $$@ > /dev/null
1297 $(POST_PROCESS_A)

1299 # special cases
1300 #$(STRETS:%=pics/%) := crt/stret.s
1301 # $(AS) $(ASFLAGS) -DSTRET$(F:stret%.o=) crt/stret.s -o $$@
1302 # $(POST_PROCESS_O)

1304 #crt/_rtbootld.s: crt/_rtboot.s crt/_rtld.c
1305 # $(CC) $(CPPFLAGS) -O -S -K pic crt/_rtld.c -o crt/_rtld.s
1306 # $(CAT) crt/_rtboot.s crt/_rtld.s > $$@
1307 # $(RM) crt/_rtld.s

1309 ASSYMDEP_OBJS= \
1310 __lwp_mutex_unlock.o \
1311 __stack_grow.o \
1312 asm_subr.o \
1313 setjmp.o \
1314 smt_pause.o \
1315 tls_get_addr.o

```

```
1316     unwind_frame.o      \
1317     vforkx.o

1319 $(ASSYMDEP_OBJS:%=pics/%) := CPPFLAGS += -I.

1321 $(ASSYMDEP_OBJS:%=pics/%): assym.h

1323 # assym.h build rules

1325 assym.h := CFLAGS64 += -g

1327 GENASSYM_C = $(LIBCDIR)/$(MACH)/genassym.c
1328 LDFLAGS.native = $(LDCHECKS) -zassert-deflib=libc.so -Bdirect
1329 #endif /* ! codereview */

1331 genassym: $(GENASSYM_C)
1332     $(NATIVECC) $(NATIVE_CFLAGS) -I$(LIBCBASE)/inc -I$(LIBCDIR)/inc \
1333     $(CPPFLAGS.native) $(LDFLAGS.native) -o $@ $(GENASSYM_C)
1338     $(CPPFLAGS.native) -o $@ $(GENASSYM_C)

1335 OFFSETS = $(LIBCDIR)/$(MACH)/offsets.in

1337 assym.h: $(OFFSETS) genassym
1338     $(OFFSETS_CREATE) <$(OFFSETS) >$@
1339     ./genassym >>$@

1341 # derived C source and related explicit dependencies
1342 $(LIBCDIR)/port/gen/new_list.c: $(LIBCDIR)/port/gen/errlist $(LIBCDIR)/port/gen/
1343     cd $(LIBCDIR)/port/gen; pwd; $(AWK) -f errlist.awk < errlist

1345 pics/new_list.o: $(LIBCDIR)/port/gen/new_list.c
```

```

*****
1765 Wed Sep 19 23:19:52 2018
new/usr/src/lib/libfru/Makefile.flag
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #
25 # lib/libfru/Makefile.flag
26 #

28 LINTFLAGS =      -uxn
29 LINTFLAGS64 =    $(LINTFLAGS) -m64
30 LINTOUT=         lint.out
31 LINTSRC =        $(LINTLIB:%.ln=%)
32 ROOTLINTDIR =   $(ROOTLIBDIR)
33 ROOTLINT =       $(LINTSRC:%=$(ROOTLINTDIR)/%)

35 CPPFLAGS +=     -I../include -I$(SRC)/lib/libpicl
36 CPPFLAGS +=     -I$(SRC)/lib/libfruutils
37 CPPFLAGS +=     -I$(SRC)/cmd/picl/plugins/inc
38 CPPFLAGS +=     -D_REENTRANT
39 CFLAGS +=       $(CCVERBOSE)
40 CCFLAGS64 +=    -mt
41 CCFLAGS +=      -mt
42 LDLIBS +=       -lc

44 $(__SUNC)ADJUNCT_LIBS = libC.so
45 #endif /* ! codereview */

47 CLEANFILES +=  pics/lex.fru.cc pics/y.tab.cc pics/y.tab.h

49 $(LINTLIB) :=   SRCS = ../llib-lfru
50 $(LINTLIB) :=   LINTFLAGS = -nvx -I../include
51 $(LINTLIB) :=   LINTFLAGS64 = -nvx -m64 -I../include

53 CLOBBERFILES += $(DYNLIBCCC) libfru.so

55 .KEEP_STATE:

57 all : pics .WAIT $(DYNLIBCCC)
58     $(RM) libfru.so
59     $(LN) $(DYNLIBCCC) libfru.so
60     $(CHMOD) 755 libfru.so

```

```

62 lint :
63     @ $(ECHO) "No C code here, only C++ code: skipping"

```

new/usr/src/lib/libsqlite/Makefile.com

1

```
*****
6554 Wed Sep 19 23:19:53 2018
new/usr/src/lib/libsqlite/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
2 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
3 # Use is subject to license terms.
4 # Copyright 2015 Igor Kozhukhov <ikozhukhov@gmail.com>
5 # Copyright 2016 Nexenta Systems, Inc. All rights reserved.
6 #

8 # Make the SO name unlikely to conflict with any other
9 # libsqlite that might also be found on the system.
10 LIBRARY = libsqlite-sys.a

12 VERS = .2.8.15
13 OBJECTS = \
14     attach.o      \
15     auth.o        \
16     btree.o       \
17     btree_rb.o   \
18     build.o       \
19     copy.o        \
20     date.o        \
21     delete.o      \
22     encode.o      \
23     expr.o        \
24     func.o        \
25     hash.o        \
26     insert.o      \
27     main.o        \
28     opcodes.o     \
29     os.o          \
30     pager.o       \
31     parse.o       \
32     pragma.o      \
33     printf.o      \
34     random.o      \
35     select.o      \
36     table.o       \
37     tokenize.o    \
38     trigger.o     \
39     update.o      \
40     util.o        \
41     vacuum.o      \
42     vdbe.o        \
43     vdbeaux.o     \
44     where.o

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

48 # install this library in the root filesystem
49 include $(SRC)/lib/Makefile.rootfs

51 SRCDIR = ../src
52 TOOLDIR = ../tool
53 $(DYNLIB) := LDLIBS += -lc
54 LIBS = $(DYNLIB) $(LINTLIB) $(NATIVERELOC)

56 $(LINTLIB) := SRCS = ../$(LINTSRC)

58 # generated sources
59 GENSRC = opcodes.c parse.c

61 # all sources
```

new/usr/src/lib/libsqlite/Makefile.com

2

```
62 SRCS = \
63     $(GENSRC) \
64     $(SRCDIR)/attach.c \
65     $(SRCDIR)/auth.c \
66     $(SRCDIR)/btree.c \
67     $(SRCDIR)/btree_rb.c \
68     $(SRCDIR)/build.c \
69     $(SRCDIR)/copy.c \
70     $(SRCDIR)/date.c \
71     $(SRCDIR)/delete.c \
72     $(SRCDIR)/encode.c \
73     $(SRCDIR)/expr.c \
74     $(SRCDIR)/func.c \
75     $(SRCDIR)/hash.c \
76     $(SRCDIR)/insert.c \
77     $(SRCDIR)/main.c \
78     $(SRCDIR)/os.c \
79     $(SRCDIR)/pager.c \
80     $(SRCDIR)/pragma.c \
81     $(SRCDIR)/printf.c \
82     $(SRCDIR)/random.c \
83     $(SRCDIR)/select.c \
84     $(SRCDIR)/table.c \
85     $(SRCDIR)/tokenize.c \
86     $(SRCDIR)/update.c \
87     $(SRCDIR)/util.c \
88     $(SRCDIR)/vacuum.c \
89     $(SRCDIR)/vdbe.c \
90     $(SRCDIR)/vdbeaux.c \
91     $(SRCDIR)/where.c \
92     $(SRCDIR)/trigger.c

94 MYCPPFLAGS = -D_REENTRANT -DTHREADSAFE=1 -DHAVE_USLEEP=1 -I. -I.. -I$(SRCDIR)
95 CPPFLAGS += $(MYCPPFLAGS)

97 CERRWARN += -_gcc=-Wno-implicit-function-declaration
98 CERRWARN += -_gcc=-Wno-uninitialized
99 CERRWARN += -_gcc=-Wno-unused-function
100 CERRWARN += -_gcc=-Wno-unused-label

102 MAPFILES = ../mapfile-sqlite

104 # headers generated here
105 GENHDR = opcodes.h parse.h

107 # Header files used by all library source files.
108 #
109 HDR = \
110     $(GENHDR) \
111     $(SRCDIR)/btree.h \
112     $(SRCDIR)/config.h \
113     $(SRCDIR)/hash.h \
114     $(SRCDIR)/os.h \
115     ../sqlite.h \
116     $(SRCDIR)/sqliteInt.h \
117     $(SRCDIR)/vdbe.h \
118     $(SRCDIR)/vdbeInt.h

120 #
121 # Sources used for test harness
122 #
123 TESTSRC = \
124     $(SRCDIR)/tclsqlite.c \
125     $(SRCDIR)/btree.c \
126     $(SRCDIR)/func.c \
127     $(SRCDIR)/os.c \
```

new/usr/src/lib/libsqlite/Makefile.com

3

```

128     $(SRCDIR)/pager.c      \
129     $(SRCDIR)/test1.c     \
130     $(SRCDIR)/test2.c     \
131     $(SRCDIR)/test3.c     \
132     $(SRCDIR)/md5.c

134 TESTOBS = $(TESTSRC:$(SRCDIR)/%.c=%.o)

136 TESTCLEAN = $(TESTOBS) test.db test.tcl test1.bt test2.db testdb

138 #
139 # Native variant (needed by cmd/configd)
140 #
141 NATIVERELOC = libsqlite-native.o
142 NATIVEPROGS = testfixture
143 NATIVEOBS = $(OBS:%.o=%.native.o)

145 NATIVETARGETS = $(NATIVEPROGS) $(NATIVEOBS) $(NATERELOC)

147 $(NATIVETARGETS) := CC = $(NATIVECC)
148 $(NATIVETARGETS) := LD = $(NATIVELD)
149 $(NATIVETARGETS) := CFLAGS = $(NATIVE_CFLAGS)
150 $(NATIVETARGETS) := CPPFLAGS = $(MYCPPFLAGS)
151 $(NATIVETARGETS) := LDFLAGS = -B direct
152 $(NATIVETARGETS) := NATIVE_LIBS = libc.so
151 $(NATIVETARGETS) := LDFLAGS =
153 $(NATIVETARGETS) := LDLIBS = -lc

155 $(OBS) := CFLAGS += $(CTF_FLAGS)
156 $(OBS) := CTFCONVERT_POST = $(CTFCONVERT_O)

158 TCLBASE = /usr/sfw
159 TCLVERS = tcl8.3

161 testfixture := MYCPPFLAGS += -I$(TCLBASE)/include -DTCLSH -DSQLITE_TEST=1
162 #
163 # work around compiler issues
164 #
165 testfixture := CFLAGS += \
166     -erroff=E_ARRAY_OF_INCOMPLETE \
167     -erroff=E_ARG_INCOMPATIBLE_WITH_ARG

169 testfixture := LDLIBS += -R$(TCLBASE)/lib -L$(TCLBASE)/lib -l$(TCLVERS) -lm -ldl

171 CLEANFILES += \
172     $(NATIVETARGETS) \
173     $(TESTCLEAN) \
174     lemon \
175     lemon.o \
176     lempar.c \
177     opcodes.c \
178     opcodes.h \
179     parse_tmp.c \
180     parse_tmp.h \
181     parse_tmp.out \
182     parse_tmp.y \
183     parse.c \
184     parse.h

186 ENCODING = ISO8859

189 .PARALLEL: $(OBS) $(OBS:%.o=%.native.o)
190 .KEEP_STATE:

192 # This is the default Makefile target. The objects listed here

```

new/usr/src/lib/libsqlite/Makefile.com

4

```

193 # are what get build when you type just "make" with no arguments.
194 #
195 all:      $(LIBS)
196 install:  all \
197     $(ROOTLIBDIR)/$(DYNLIB) \
198     $(ROOTLIBDIR)/$(LINTLIB) \
199     $(ROOTLIBDIR)/$(NATERELOC)

201 lint:

203 all_h: $(GENHDR)

205 $(ROOTLIBDIR)/$(NATERELOC) := FILEMODE= 644
206 $(ROOTLINTDIR)/$(LINTLIB) := FILEMODE= 644

208 $(ROOTLINK): $(ROOTLIBDIR) $(ROOTLIBDIR)/$(DYNLIB)
209     $(INS.liblink)

211 $(ROOTLINTDIR)/%: ../%
212     $(INS.file)

214 native: $(NATERELOC)

216 $(NATERELOC): objs .WAIT $(OBS:%.o=%.native.o)
217     $(LD) -r -o $(NATERELOC) $(OBS:%.o=%.native.o)

219 opcodes.h: $(SRCDIR)/vdbe.c
220     @echo "Generating $@"; \
221     $(RM) -f $@; \
222     echo '/* Automatically generated file. Do not edit */' > $@; \
223     grep '^case OP_' $(SRCDIR)/vdbe.c | \
224     sed -e 's://| \
225     $(AWK) '{printf "#define %-30s %3d\n", $$2, ++cnt}' >> $@

227 opcodes.c: $(SRCDIR)/vdbe.c
228     @echo "Generating $@"; \
229     $(RM) -f $@; \
230     echo '/* Automatically generated file. Do not edit */' > $@; \
231     echo 'char *sqliteOpcodeNames[] = { "???", ' >> $@; \
232     grep '^case OP_' $(SRCDIR)/vdbe.c | \
233     sed -e 's/^. *OP_/ "/' -e 's/:.*$$/', '/' >> $@; \
234     echo '};' >> $@

236 testfixture: FRC
237     @if [ -f $(TCLBASE)/include/tcl.h ]; then \
238         unset SUNPRO_DEPENDENCIES; \
239         echo $(LINK.c) -o testfixture $(TESTSRC) $(LIBRARY) $(LDLIBS); \
240         exec $(LINK.c) -o testfixture $(TESTSRC) $(LIBRARY) $(LDLIBS); \
241     else \
242         echo "$(TCLBASE)/include/tcl.h: not found."; \
243         exit 1; \
244     fi

246 # Prevent Makefile.lib $(PICS) := from adding PICFLAGS
247 # by building lemon in a recursive make invocation.
248 # Otherwise, this target causes a rebuild every time after
249 # the PICS target builds this one way, then lint the other.
250 parse.h parse.c : $(SRCDIR)/parse.y $(TOOLDIR)/lemon.c $(TOOLDIR)/lempar.c
251     -$(RM) parse_tmp.y lempar.c
252     $(CP) $(SRCDIR)/parse.y parse_tmp.y
253     $(CP) $(TOOLDIR)/lempar.c lempar.c
254     $(MAKE) lemon
255     ./lemon parse_tmp.y
256     -$(RM) parse.c parse.h
257     $(CP) parse_tmp.h parse.h
258     $(CP) parse_tmp.c parse.c

```

```
260 lemon: $(TOOLDIR)/lemon.c
261     $(NATIVECC) $(NATIVE_CFLAGS) -o $@ $(TOOLDIR)/lemon.c

263 objs/%-native.o: $(SRCDIR)/%.c $(GENHDR)
264     $(COMPILE.c) -o $@ $<
265     $(POST_PROCESS_O)

267 objs/%-native.o: %.c $(GENHDR)
268     $(COMPILE.c) -o $@ $<
269     $(POST_PROCESS_O)

271 objs/parse-native.o: parse.c $(GENHDR)
272     $(COMPILE.c) -o $@ parse.c
273     $(POST_PROCESS_O)

275 objs/%.o pics/%.o: $(SRCDIR)/%.c $(GENHDR)
276     $(COMPILE.c) -o $@ $<
277     $(POST_PROCESS_O)

279 objs/%.o pics/%.o: %.c $(GENHDR)
280     $(COMPILE.c) -o $@ $<
281     $(POST_PROCESS_O)

283 # need direct rules for generated files
284 objs/opcodes.o pics/opcodes.o: opcodes.c $(GENHDR)
285     $(COMPILE.c) -o $@ opcodes.c
286     $(POST_PROCESS_O)

288 objs/parse.o pics/parse.o: parse.c $(GENHDR)
289     $(COMPILE.c) -o $@ parse.c
290     $(POST_PROCESS_O)

292 include $(SRC)/lib/Makefile.targ

294 FRC:
```


new/usr/src/lib/libxnet/common/l1ib-lxnet

1

1256 Wed Sep 19 23:19:53 2018

new/usr/src/lib/libxnet/common/l1ib-lxnet

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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17 * fields enclosed by brackets "[]" replaced with your own identifying
18 * information: Portions Copyright [yyyy] [name of copyright owner]
19 *
20 * CDDL HEADER END
21 */
22 /*
23 * Copyright (c) 2001 by Sun Microsystems, Inc.
24 * All rights reserved.
25 */
```

```
27 #pragma ident "%Z%M% %I% %E% SMI"
```

```
27 /* LINTLIBRARY */
28 /* PROTOLIB1 */
```

```
30 /*
31 * Set up the UNIX98 compilation environment.
32 */
33 #define _XOPEN_SOURCE 500
34 #include <sys/feature_tests.h>
```

```
36 /*
37 * Slurp the interfaces out of the official UNIX98 networking headers.
38 */
39 #include <sys/socket.h>
40 #include <arpa/inet.h>
41 #include <netinet/in.h>
42 #include <netdb.h>
43 #include <net/if.h>
44 #endif /* ! codereview */
```

new/usr/src/lib/policykit/Makefile.policykit

1

1377 Wed Sep 19 23:19:54 2018

new/usr/src/lib/policykit/Makefile.policykit

9852 enable ld(1) guidance and deflib assertions for the illumos build

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18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2006 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #
25 # Definitions common for PolicyKit
26 #
27 #
28 POLICYKIT_VERSION = 0.2
29 #
30 POLICYKIT_DBUS_CPPFLAGS =      -DDBUS_API_SUBJECT_TO_CHANGE \
31                               -I$(ADJUNCT_PROTO)/usr/include/dbus-1.0 \
32                               -I$(ADJUNCT_PROTO)/usr/lib/dbus-1.0/include
33 POLICYKIT_GLIB_CPPFLAGS =     -I$(ADJUNCT_PROTO)/usr/include/glib-2.0 \
34                               -I$(ADJUNCT_PROTO)/usr/lib/glib-2.0/include
35 #
36 POLICYKIT_DBUS_LDLIBS = -ldbus-1
37 POLICYKIT_DBUS_EXTERNS = libdbus-1.so
38 #endif /* ! codereview */
39 POLICYKIT_GLIB_LDLIBS = -lglib-2.0
40 POLICYKIT_GLIB_EXTERNS = libglib-2.0.so
41 #endif /* ! codereview */
```

3089 Wed Sep 19 23:19:54 2018

new/usr/src/tools/Makefile.tools

9852 enable ld(1) guidance and deflib assertions for the illumos build

```

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17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright (c) 1999, 2010, Oracle and/or its affiliates. All rights reserved.
23 #
24 # Definitions common to tool source.
25 #
26 include $(SRC)/Makefile.master

28 FILEMODE=      0555

30 TOOLS=          $(SRC)/tools
31 TOOLS_PROTO=    $(TOOLS)/proto/root_$(MACH)-nd
32 ROOTOPT=        $(TOOLS_PROTO)/opt
33 ROOTONBLD=      $(ROOTOPT)/onbld
34 ROOTONBLDBIN=  $(ROOTONBLD)/bin
35 ROOTONBLDBINMACH= $(ROOTONBLD)/bin/$(MACH)
36 ROOTONBLDETC=  $(ROOTONBLD)/etc
37 ROOTONBLDLIB=  $(ROOTONBLD)/lib
38 ROOTONBLDLIBMACH= $(ROOTONBLD)/lib/$(MACH)
39 ROOTONBLDLIBMACH64= $(ROOTONBLD)/lib/$(MACH)/64
40 ROOTONBLDLIBPERL= $(ROOTONBLD)/lib/perl
41 ROOTONBLDLIBPY= $(ROOTONBLD)/lib/python
42 ROOTONBLDENV=  $(ROOTONBLD)/env
43 ROOTONBLDMAN=  $(ROOTONBLD)/man
44 ROOTONBLDMAN1ONBLD= $(ROOTONBLD)/man/man1onbld
45 ROOTONBLDETCABI= $(ROOTONBLD)/etc/abi
46 ROOTONBLDETCEXCEPT= $(ROOTONBLD)/etc/exception_lists
47 ROOTONBLDSHARE= $(ROOTONBLD)/share

49 CC =            $(NATIVECC)
50 CCC =           $(NATIVECCC)
51 CFLAGS =        $(NATIVE_CFLAGS)
52 CPPFLAGS=       -D_TS_ERRNO
53 ELFSIGN_O=      $(TRUE)
54 LDLIBS=
55 LDFLAGS=        $(MAPFILE.NES:%=-M%) $(MAPFILE.NED:%=-M%) \
56                 $(MAPFILE.PGA:%=-M%) \
57                 -B direct
58 NATIVE_LIBS=    libc.so
59                 $(MAPFILE.PGA:%=-M%)

60 ROOTONBLDPROG=  $(PROG:%=$(ROOTONBLDBIN)/%)

```

```

61 ROOTONBLDMACHPROG= $(PROG:%=$(ROOTONBLDBINMACH)/%)
62 ROOTONBLDSHFILES= $(SHFILES:%=$(ROOTONBLDBIN)/%)
63 ROOTONBLDMAKEFILES= $(MAKEFILES:%=$(ROOTONBLDBIN)/%)
64 ROOTONBLDMACHSHFILES= $(SHFILES:%=$(ROOTONBLDBINMACH)/%)
65 ROOTONBLDMACHBINARIES= $(BINARIES:%=$(ROOTONBLDBINMACH)/%)
66 ROOTONBLDETCFILES= $(ETCFILES:%=$(ROOTONBLDETC)/%)
67 ROOTONBLDENVFILES= $(ENVFILES:%=$(ROOTONBLDENV)/%)
68 ROOTONBLDPERLFILES= $(PERLFILES:%=$(ROOTONBLDBIN)/%)
69 ROOTONBLDPERLMODULES= $(PERLMODULES:%=$(ROOTONBLDLIBPERL)/%)
70 ROOTONBLDPYFILES= $(PYFILES:%=$(ROOTONBLDBIN)/%)
71 ROOTONBLDMAN1ONBLDFILES= $(MAN1ONBLDFILES:%=$(ROOTONBLDMAN1ONBLD)/%)
72 ROOTONBLDABIAUDITFILES= $(ABI_AUDITFILES:%=$(ROOTONBLDETCABI)/%)
73 ROOTONBLDEXCEPTFILES= $(EXCEPTFILES:%=$(ROOTONBLDETCEXCEPT)/%)

75 # Break a chicken-and-egg dependency cycle for the tools build
76 SCCSCHECK=@echo would sccscheck

78 $(ROOTONBLDETCABI)/%: %
79     $(INS.file)

81 $(ROOTONBLDETCEXCEPT)/%: $(CODEMGR_WS)/exception_lists/%
82     $(INS.file)

84 $(ROOTONBLDBIN)/%: %
85     $(INS.file)

87 $(ROOTONBLDBINMACH)/%: %
88     $(INS.file)

90 $(ROOTONBLDETC)/%: %
91     $(INS.file)

93 $(ROOTONBLDLIBPERL)/%: %
94     $(INS.file)

96 $(ROOTONBLDMAN1ONBLD)/%: %
97     $(INS.file)

99 $(ROOTONBLDENV)/%: %
100    $(INS.file)

```

new/usr/src/tools/btxld/Makefile

1

1323 Wed Sep 19 23:19:55 2018

new/usr/src/tools/btxld/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
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5 # 1.0 of the CDDL.
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8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
11 #
12 #
13 # Copyright 2016 Toomas Soome <tsoome@me.com>
14 #
15 #
16 include ../Makefile.tools
17 #
18 .KEEP_STATE:
19 #
20 COMMON_SRC= $(SRC)/cmd/boot/common
21 EINFO_SRC= $(COMMON_SRC)/bblk_einfo.c
22 UTILS_SRC= $(COMMON_SRC)/boot_utils.c
23 EXTRA_SRC= $(COMMON_SRC)/mboot_extra.c
24 #
25 PROG= btxld
26 MAN1ONBLDFILES= btxld.1onbld
27 SRCS= btxld.c elfh.c version.c $(UTILS_SRC) $(EINFO_SRC) $(EXTRA_SRC)
28 OBJS= btxld.o elfh.o version.o bblk_einfo.o mboot_extra.o boot_utils.o
29 LDLIBS += -lmd5
30 CSTD= $(CSTD_GNU99)
31 CPPFLAGS += -I$(SRC)/uts/common -I$(COMMON_SRC)
32 #
33 NATIVE_LIBS += libmd5.so
34 #
35 #endif /* ! codereview */
36 $(ROOTONBLDMAN1ONBLDFILES) := FILEMODE= 644
37 #
38 all: $(PROG) $(MAN1ONBLDFILES)
39 #
40 $(PROG): $(OBJS)
41 $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
42 $(POST_PROCESS)
43 #
44 install: all .WAIT $(ROOTONBLDMACHPROG) $(ROOTONBLDMAN1ONBLDFILES)
45 #
46 clean:
47 $(RM) $(OBJS)
48 #
49 %.o: %.c
50 $(COMPILE.c) -o $@ $<
51 $(POST_PROCESS_O)
52 #
53 %.o: $(COMMON_SRC)/%.c
54 $(COMPILE.c) -o $@ $<
55 $(POST_PROCESS_O)
56 #
57 include ../Makefile.targ
```

```

*****
2144 Wed Sep 19 23:19:55 2018
new/usr/src/tools/cscope-fast/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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26 #
27 #
28 PROG= cscope-fast
29 #
30 OBJS= main.o dir.o crossref.o scanner.o lookup.o command.o display.o \
31       find.o edit.o exec.o help.o history.o input.o menu.o alloc.o \
32       cgrep.o compath.o invlib.o logdir.o \
33       mouse.o mygetenv.o mygetwd.o myopen.o \
34       vpaccess.o vpfopen.o vpinit.o vpopen.o vpstat.o
35 SRCS= $(OBJS:%.o=%.c)
36 CLEANFILES += $(OBJS) scanner.c
37 TMPDIR= /tmp
38 #
39 include ../Makefile.tools
40 #
41 # these three are because we cannot seem to redefine the size of YYLMAX,
42 # and thus ytext, in the code because ytext is defined before our code
43 # is seen. YYLMAX is supposed to be STMTMAX+PATLEN+1.
44 PATLEN= 250
45 STMTMAX= 10000
46 YYLMAX= 10251
47 CFLAGS += -DPATLEN=$(PATLEN) -DSTMTMAX=$(STMTMAX) -DYYLMAX=$(YYLMAX)
48 CERRWARN += -_gcc=-Wno-parentheses
49 CERRWARN += -_gcc=-Wno-implicit-function-declaration
50 CERRWARN += -_gcc=-Wno-unused
51 CERRWARN += -_gcc=-Wno-uninitialized
52 #
53 CFLAGS += $(CVERBOSE)
54 LDLIBS += -lcurses -ll
55 NATIVE_LIBS += libcurses.so libl.so
56 #endif /* ! codereview */
57 #
58 .KEEP_STATE:
59 #
60 .PARALLEL: $(OBJS)

```

```

62 all: $(PROG)
63 #
64 # because of goto's in the scanner
65 scanner.o := CVERBOSE=
66 #
67 $(PROG): $(OBJS)
68 $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
69 $(POST_PROCESS)
70 #
71 install: all .WAIT $(ROOTONBLDMACHPROG)
72 #
73 clean:
74 $(RM) $(CLEANFILES)
75 #
76 lint: lint_SRCS
77 #
78 include ../Makefile.targ

```

new/usr/src/tools/ctf/cvt/Makefile.com

1

```
*****
2010 Wed Sep 19 23:19:56 2018
new/usr/src/tools/ctf/cvt/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
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18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2006 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #

26 include ../../Makefile.ctf

28 .KEEP_STATE:
29 .PARALLEL:

31 PROG=ctfconvert ctfmerge

33 GENSRCS= \
34     alist.c \
35     barrier.c \
36     ctf.c \
37     fifo.c \
38     hash.c \
39     iidesc.c \
40     input.c \
41     list.c \
42     memory.c \
43     merge.c \
44     output.c \
45     stack.c \
46     strtabs.c \
47     symbol.c \
48     tdata.c \
49     traverse.c \
50     util.c

52 CVTSRCS=$(GENSRCS) \
53     ctfconvert.c \
54     dwarf.c \
55     stabs.c \
56     fixup_tdescs.c \
57     st_parse.c
58 CVTOBJS=$(CVTSRCS:%.c=%.o)
59 CVTLINTFILES = $(CVTSRCS:%.c=%.ln)

61 MRGSRCS=$(GENSRCS) \
```

new/usr/src/tools/ctf/cvt/Makefile.com

2

```
62     ctfmerge.c
63 MRGOBJS=$(MRGSRCS:%.c=%.o)
64 MRGLINTFILES = $(MRGSRCS:%.c=%.ln)

66 SRCS=$(CVTSRCS) $(MRGSRCS) $(CMPSRCS)
67 OBJS=$(SRCS:%.c=%.o)
68 LINTFILES=$(SRCS:%.c=%.ln)

70 DWARFLDFLAGS = \
71     -L$(ROOTONBLDLIBMACH) \
72     '-R$$ORIGIN/../../lib/$(MACH)' \
73     -ldwarf
74 DWARFCPPFLAGS = -I../../dwarf/common

76 LDFLAGS += -L$(NATIVE_ADJUNCT)/lib
77 LDLIBS += -lz -lelf
78 CPPFLAGS += -D_REENTRANT
79 CFLAGS += $(CTF_FLAGS)
80 LINTFLAGS += -mnuix
81 NATIVE_LIBS += libz.so libelf.so
82 #endif /* ! codereview */

84 CERRWARN += -_gcc=-Wno-unused
85 CERRWARN += -_gcc=-Wno-uninitialized
86 CERRWARN += -_gcc=-Wno-switch

88 CSTD = $(CSTD_GNU99)

90 ctfconvert := LDFLAGS += $(DWARFLDFLAGS)

92 dwarf.o dwarf.ln := CPPFLAGS += $(DWARFCPPFLAGS)
```

```

*****
1568 Wed Sep 19 23:19:56 2018
new/usr/src/tools/ctf/dump/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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18 #
19 # CDDL HEADER END
20 #
21 #
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24 #

26 .KEEP_STATE:
27 .SUFFIXES:

29 PROG = ctfdump
30 SRCS = dump.c utils.c symbol.c

32 include ../../Makefile.ctf

34 LDFLAGS += -L$(NATIVE_ADJUNCT)/lib
35 LDLIBS += -lelf -lz

37 OBJS = $(SRCS:%.c=%.o)
38 LINTFILES = $(SRCS:%.c=%.ln)

40 CERRWARN += -_gcc=-Wno-uninitialized
41 NATIVE_LIBS += libz.so libelf.so
42 #endif /* ! codereview */

44 .NO_PARALLEL:
45 .PARALLEL: $(OBJS) $(LINTFILES)

47 all: $(PROG)

49 $(PROG): $(OBJS)
50     $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
51     $(POST_PROCESS)

53 %.o: ../%.c
54     $(COMPILE.c) $<

56 $(ROOTONBLDMACHPROG): $(PROG)

58 install: $(ROOTONBLDMACHPROG)

60 clean:
61     $(RM) $(OBJS) $(LINTFILES)

```

```

63 %.ln: ../%.c
64     $(LINT.c) -c $<

66 lint: $(LINTFILES)
67     $(LINT) $(LINTFLAGS) $(LINTFILES) $(LDLIBS)

69 include ../../Makefile.ctf.targ

```

```

*****
1669 Wed Sep 19 23:19:57 2018
new/usr/src/tools/ctf/stabs/Makefile.com
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
2 # CDDL HEADER START
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18 #
19 # CDDL HEADER END
20 #
21 #
22 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #

26 .KEEP_STATE:

28 PROG = ctfstabs
29 SRCS = \
30     ctfstabs.c \
31     forth.c \
32     fth_enum.c \
33     fth_struct.c \
34     genassym.c \
35     list.c \
36     memory.c \
37     utils.c

39 include ../../Makefile.ctf

41 LDLIBS += -lctf
42 NATIVE_LIBS += libctf.so
43 #endif /* ! codereview */

45 OBJS = $(SRCS:%.c=%.o)
46 LINTFILES = $(SRCS:%.c=%.ln)

48 LINTFLAGS = -mnuX -L$(ROOT)/usr/lib
49 CERRWARN += -_gcc=-Wno-uninitialized
50 CERRWARN += -_gcc=-Wno-unused

52 .NO_PARALLEL:
53 .PARALLEL: $(OBJS) $(LINTFILES)

55 all: $(PROG)

57 $(PROG): $(OBJS)
58     $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
59     $(POST_PROCESS)

61 %.o: ../common/%.c

```

```

62     $(COMPILE.c) $<

64 $(ROOTONBLDMACHPROG): $(PROG)

66 install: $(ROOTONBLDMACHPROG)

68 clean:
69     $(RM) $(OBJS) $(LINTFILES)

71 %.ln: ../common/%.c
72     $(LINT.c) -c $<

74 lint: $(LINTFILES)
75     $(LINT) $(LINTFLAGS) $(LINTFILES) $(LDLIBS)

77 include ../../Makefile.ctf.targ

```


new/usr/src/tools/cw/Makefile

1

```
*****
2229 Wed Sep 19 23:19:57 2018
new/usr/src/tools/cw/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
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20 #
21 #
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24 #

26 PROG      = cw

28 MAN1ONBLDFILES= cw.lonbld

30 include ../Makefile.tools

32 # Bootstrap problem -- we have to build cw before we can use it
33 i386_CC=    $(SPRO_VROOT)/bin/cc
34 sparc_CC=   $(SPRO_VROOT)/bin/cc
35 $(__GNUC)i386_CC=    $(GNUC_ROOT)/bin/gcc
36 $(__GNUC)sparc_CC=   $(GNUC_ROOT)/bin/gcc

38 CFLAGS += $(CCVERBOSE)

40 # Override CFLAGS. This is needed only for bootstrap of cw.
41 $(__GNUC)CFLAGS=    -O -D_sun -Wall -Wno-unknown-pragmas -Werror \
42                   -std=gnu89 -nodefaultlibs
43 $(__SUNC)CFLAGS=    -xspace -Xa -xildoff -errtags=yes -errwarn=%all \
44                   -xc99=%none -W0,-xglobalstatic -v

46 $(__GNUC)LDLIBS +=    -lc
47 $(__GNUC)LDFLAGS =    $(MAPFILE.NES:%=-Wl,-M%)
48 $(__GNUC)ZASSERTDEFLIB = -Wl,-zassert-deflib
49 $(__GNUC)ZFATALWARNINGS = -Wl,-zfatal-warnings
50 $(__GNUC)ZGUIDANCE = -Wl,-zguidance
51 LDFLAGS += -Wl,$(ZDIRECT)
48 $(__GNUC)LDFLAGS=    $(MAPFILE.NES:%=-Wl,-M%)

53 CPPFLAGS += -DDEFAULT_CC_DIR='$(SPRO_VROOT)/bin'
54 CPPFLAGS += -DDEFAULT_GCC_DIR='$(GNUC_ROOT)/bin'
55 CPPFLAGS += -DDEFAULT_CPLUSPLUS_DIR='$(SPRO_VROOT)/bin'
56 CPPFLAGS += -DDEFAULT_GPLUSPLUS_DIR='$(GNUC_ROOT)/bin'

58 $(ROOTONBLDMAN1ONBLDFILES) := FILEMODE=      644
```

new/usr/src/tools/cw/Makefile

2

```
60 # Assume we don't have the install.bin available yet
61 INS.file=      $(RM) $@; $(CP) $< $(@D); $(CHMOD) $(FILEMODE) $@

63 .KEEP_STATE:

65 all: $(PROG) $(MAN1ONBLDFILES)

67 install: all .WAIT $(ROOTONBLDMACHPROG) $(ROOTONBLDMAN1ONBLDFILES)

69 lint: lint_PROG

71 clean:

73 include ../Makefile.targ
```

new/usr/src/tools/install.bin/Makefile

1

```
*****
1642 Wed Sep 19 23:19:58 2018
new/usr/src/tools/install.bin/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
2 # CDDL HEADER START
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17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 #
22 #
23 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
27 PROG= install.bin
28 OBJS= $(PROG).o stdusers.o
29 SRCS= $(PROG).c ../protocmp/stdusers.c
30 #
31 include ../Makefile.tools
32 #
33 CFLAGS += $(CCVERBOSE)
34 CERRWARN += -_gcc=-Wno-type-limits
35 CPPFLAGS += -I../protocmp
36 LDLIBS += -lgen
37 NATIVE_LIBS += libgen.so
38 #endif /* ! codereview */
39 CLEANFILES += $(OBJS)
40 #
41 # Assume we don't have the install.bin available yet
42 INS.file= $(RM) $@; $(CP) $< $(@D); $(CHMOD) $(FILEMODE) $@
43 #
44 .KEEP_STATE:
45 #
46 all: $(PROG)
47 #
48 $(PROG): $(OBJS)
49 $(LINK.c) -o $@ $(OBJS) $(LDLIBS)
50 $(POST_PROCESS)
51 #
52 #
53 install: all .WAIT $(ROOTONBLDMACHPROG)
54 $(RM) $(ROOTONBLDBINMACH)/install
55 $(LN) $(ROOTONBLDMACHPROG) $(ROOTONBLDBINMACH)/install
56 #
57 lint: lint_SRCS
58 #
59 clean:
60 $(RM) $(CLEANFILES)
```

new/usr/src/tools/install.bin/Makefile

2

```
62 %.o: ../protocmp/%.c
63 $(COMPILE.c) -o $@ $<
64 $(POST_PROCESS_O)
65 #
66 include ../Makefile.targ
```

```

*****
1434 Wed Sep 19 23:19:58 2018
new/usr/src/tools/make/bin/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
2 # This file and its contents are supplied under the terms of the
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8 # source. A copy of the CDDL is also available via the Internet at
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10 #

12 # Copyright 2015, Richard Lowe.

14 PROG=    make
15 CMDDIR=  $(SRC)/cmd/make/bin
16 OBJS=    ar.o \
17          depvar.o \
18          doname.o \
19          dosys.o \
20          files.o \
21          globals.o \
22          implicit.o \
23          macro.o \
24          main.o \
25          misc.o \
26          nse_printdep.o \
27          parallel.o \
28          pmake.o \
29          read.o \
30          read2.o \
31          rep.o \
32          state.o
33 SRCS=$(OBJS:%.o:$(CMDDIR)/%.cc)

35 include ../Makefile.tools
36 include ../Makefile.com

38 LDLIBS += ../lib/mksh/libmksh.a ../lib/vroot/libvroot.a
39 LDLIBS += ../lib/bsd/libbsd.a -lc -lnsl -lumem

41 CPPFLAGS += -D_FILE_OFFSET_BITS=64

43 ROOTLINKS = $(ROOTONBLDBINMACH)/dmake
44 ROOTRULES = $(ROOTONBLDSHARE)/make.rules

46 NATIVE_LIBS += libnsl.so libumem.so

48 #endif /* ! codereview */
49 all:    $(PROG)

51 install: all $(ROOTONBLDMACHPROG) $(ROOTLINKS) $(ROOTRULES)

53 $(PROG):    $(OBJS)
54             $(LINK.cc) $(OBJS) -o $@ $(LDLIBS)
55             $(POST_PROCESS)

57 %.o:    $(CMDDIR)/%.cc
58         $(COMPILE.cc) -o $@ $<

60 $(ROOTONBLDBINMACH)/dmake:
61     -$(RM) $@; $(SYMLINK) ./make $@

```

```

63 $(ROOTRULES) := FILEMODE = 0444

65 $(ROOTONBLDSHARE)/%: $(CMDDIR)/%.file
66     $(INS.rename)

69 lint:

71 clean:
72     $(RM) $(OBJS)

74 include $(SRC)/tools/Makefile.targ

```

new/usr/src/tools/makesoftware/Makefile

1

941 Wed Sep 19 23:19:59 2018

new/usr/src/tools/makesoftware/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
1 #
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9 # http://www.illumos.org/license/CDDL.
10 #
```

```
12 #
13 # Copyright 2018 Toomas Soome <tsoome@me.com>
14 #
```

```
16 include      ../Makefile.tools
```

```
18 SOFTCORE=    $(SRC)/common/ficl/softcore
19 PROG=        makesoftware
```

```
21 CPPFLAGS +=  -I$(SRC)/lib/libficl -I$(SRC)/common/ficl
22 OBJS=        makesoftware.o lz4.o
23 SRCS=        makesoftware.c lz4.c
24 LDLIBS=      -lumem
25 NATIVE_LIBS += libumem.so
26 #endif /* ! codereview */
```

```
28 .KEEP_STATE:
```

```
30 all:         $(PROG)
```

```
32 install:    all .WAIT $(ROOTONBLDMACHPROG)
```

```
34 clean:      $(RM) $(PROG) $(OBJS)
```

```
37 $(PROG):   $(OBJS)
38             $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
39             $(POST_PROCESS)
```

```
41 %.o:       $(SOFTCORE)/%.c
42             $(COMPILE.c) -o $@ $<
```

```
44 include     ../Makefile.targ
```

new/usr/src/tools/tic/Makefile

1

1365 Wed Sep 19 23:19:59 2018

new/usr/src/tools/tic/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
1 #
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21 #
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26 #
27 #
28 CMDDIR=      $(SRC)/cmd/tic
29 #
30 include      $(SRC)/tools/Makefile.tools
31 include      $(CMDDIR)/Makefile.common
32 #
33 MAPFILES=    $(CMDDIR)/$(MAPFILE.INT)
34 #
35 NATIVE_LIBS += libcurses.so
36 #
37 #endif /* ! codereview */
38 .KEEP_STATE:
39 #
40 all:         $(PROG)
41 #
42 $(PROG):     $(OBJS) $(MAPFILES)
43              $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
44              $(POST_PROCESS)
45 #
46 %.o:        $(CMDDIR)/%.c
47              $(COMPILE.c) -o $@ $<
48 #
49 install:    all $(ROOTONBLDMACHPROG)
50 #
51 clean:      $(RM) $(PROG) $(OBJS)
52 #
53 #
54 include     $(SRC)/tools/Makefile.targ
```

new/usr/src/tools/vtfontcvt/Makefile

1

820 Wed Sep 19 23:20:00 2018

new/usr/src/tools/vtfontcvt/Makefile

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
```

```
12 #
13 # Copyright 2017 Toomas Soome <tsoome@me.com>
14 #
```

```
16 CMDDIR=      $(SRC)/cmd/vtfontcvt
18 include      ../Makefile.tools
19 include      $(CMDDIR)/Makefile.common
```

```
21 NATIVE_LIBS += libumem.so
```

```
23 #endif /* ! codereview */
24 .KEEP_STATE:
```

```
26 all:         $(PROG)
```

```
28 install:     all .WAIT $(ROOTONBLDMACHPROG)
```

```
30 clean:
31             $(RM) $(PROG) $(OBJS)
```

```
33 $(PROG):     $(OBJS)
34             $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
35             $(POST_PROCESS)
```

```
37 %.o:         $(CMDDIR)/%.c
38             $(COMPILE.c) -o $@ $<
```

```
40 include      ../Makefile.targ
```

new/usr/src/ucbcmd/Makefile.ucbcmd

1

2258 Wed Sep 19 23:20:00 2018

new/usr/src/ucbcmd/Makefile.ucbcmd

9852 enable ld(1) guidance and deflib assertions for the illumos build

```
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21 #
22 #
23 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
27 # ucbcmd/Makefile.ucbcmd
28 #
29 # Definitions common to ucb command source.
30 #
31 # include global definitions; SRC should be defined in the shell.
32 # SRC is needed until RFE 1026993 is implemented.
33 #
34 include $(SRC)/Makefile.master
35 #
36 LN= ln
37 SH= sh
38 CHMOD= chmod
39 MKDIR= mkdir
40 TOUCH= touch
41 #
42 FILEMODE= 0555
43 LIBFILEMODE= 0444
44 ROOTBIN= $(ROOT)/usr/ucb
45 ROOTLIB= $(ROOT)/usr/ucb/lib
46 ROOT4LIB= $(ROOT)/usr/4lib
47 ROOTETC= $(ROOT)/etc
48 ROOTSHLIB= $(ROOT)/usr/share/lib
49 ROOTBIN32= $(ROOTBIN)/$(MACH32)
50 ROOTBIN64= $(ROOTBIN)/$(MACH64)
51 #
52 ROOTPROG= $(PROG:%=$(ROOTBIN)/%)
53 ROOTLIBPROG= $(PROG:%=$(ROOTLIB)/%)
54 ROOT4LIBPROG= $(PROG:%=$(ROOT4LIB)/%)
55 ROOTETCPROG= $(PROG:%=$(ROOTETC)/%)
56 ROOTPROG64= $(PROG:%=$(ROOTBIN64)/%)
57 ROOTPROG32= $(PROG:%=$(ROOTBIN32)/%)
58 #
59 ISAEEXEC= $(ROOT)/usr/lib/isaexec
60 #
61 # storing LDLIBS in two macros allows reordering of options
```

new/usr/src/ucbcmd/Makefile.ucbcmd

2

```
62 LDLIBS.cmd = $(ENVLDLIBS1) $(ENVLDLIBS2) $(ENVLDLIBS3)
63 LDLIBS = $(LDLIBS.cmd)
```

```
65 LDFLAGS.cmd = \
66 $(ENVLDFLAGS1) $(ENVLDFLAGS2) $(ENVLDFLAGS3) \
67 $(MAPFILE.NES:%=-M%) $(MAPFILE.PGA:%=-M%) $(MAPFILE.NED:%=-M%) \
68 -Bdirect
69 $(MAPFILE.NES:%=-M%) $(MAPFILE.PGA:%=-M%) $(MAPFILE.NED:%=-M%)
```

```
70 LDFLAGS = $(LDFLAGS.cmd)
```

```
72 $(ROOTBIN)/%: %
73 $(INS.file)
```

```
75 $(ROOTLIB)/%: %
76 $(INS.file)
```

```
78 $(ROOT4LIB)/%: %
79 $(INS.file)
```

```
81 $(ROOTETC)/%: %
82 $(INS.file)
```

```
84 $(ROOTBIN64)/%: %
85 $(INS.file)
```

```
87 $(ROOTBIN32)/%: %
88 $(INS.file)
```

```
90 # Define the majority text domain in this directory
91 TEXT_DOMAIN= SUNW_OST_UCBCMD
```

new/usr/src/uts/intel/ath/Makefile

1

```
*****
2592 Wed Sep 19 23:20:01 2018
new/usr/src/uts/intel/ath/Makefile
9852 enable ld(1) guidance and deflib assertions for the illumos build
*****
1 #
2 # CDDL HEADER START
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26 #
27 # This file makes the atheros driver for an intel system
28 #
29 # intel architecture dependent
30 #

32 #
33 # Path to the base of the uts directory tree (usually /usr/src/uts).
34 #
35 UTSBASE = ../..
36 #
37 # Define the module and object file sets.
38 #
39 MODULE = ath
40 OBJECTS = $(ATH_OBJS:%=$(OBJS_DIR)/%) $(OBJS_DIR)/hal.o
41 LINTS = $(LINTS_DIR)/ath_aux.ln \
42 $(LINTS_DIR)/ath_main.ln \
43 $(LINTS_DIR)/ath_osdep.ln \
44 $(LINTS_DIR)/ath_rate.ln

46 ROOTMODULE = $(ROOT_DRV_DIR)/$(MODULE)

48 #
49 # Include common rules.
50 #
51 include $(UTSBASE)/intel/Makefile.intel

53 #
54 # Define targets
55 #
56 ALL_TARGET = $(BINARY)
57 LINT_TARGET = $(MODULE).lint
58 INSTALL_TARGET = $(BINARY) $(ROOTMODULE)

60 #
61 # Driver depends on GLDv3 & wifi kernel support module.
```

new/usr/src/uts/intel/ath/Makefile

2

```
62 #
63 LDFLAGS += -dy -Nmisc/mac -Nmisc/net80211

65 CERRWARN += _gcc=-Wno-type-limits
66 CERRWARN += _gcc=-Wno-unused-variable
67 CERRWARN += _gcc=-Wno-empty-body

69 #
70 # Default build targets.
71 #
72 .KEEP_STATE:

74 def: $(DEF_DEPS)
76 all: $(ALL_DEPS)
78 clean: $(CLEAN_DEPS)
80 clobber: $(CLOBBER_DEPS)
82 lint: $(LINT_DEPS)
84 modlintlib: $(MODLINTLIB_DEPS)
86 clean.lint: $(CLEAN_LINT_DEPS)
88 install: $(INSTALL_DEPS)

90 #
91 # Include common targets.
92 #
93 include $(UTSBASE)/intel/Makefile.targ

95 #
96 # If you have any special case that general
97 # Makefile rules don't serve for you, just do
98 # it yourself.
99 #
100 # The amd64 version of this object has the .eh_frame section tagged
101 # as SHT_PROGBITS. Historically ld did not support this and instead we
102 # used elfedit to transform it. The reason why we don't have the source to
103 # this and instead a uencoded .o is all together another mystery.
104 # as SHT_PROGBITS, while the ABI requires SHT_AMD64_UNWIND. The Solaris
105 # ld enforces this, so use elfedit to bring the object in line with
106 # this requirement.
107 #
108 # Atheros HAL=$(UTSBASE)/common/io/ath/hal_x86_$(CLASS).o.uu
109 # $(OBJS_DIR)/hal.o: $(ATHEROS_HAL)
110 # uudecode -o $@ $(ATHEROS_HAL)
111 # if [ 'elfedit -r -e 'ehdr:e_machine' $@' = EM_AMD64 ]; \
112 # then elfedit -e 'shdr:sh_type .eh_frame SHT_AMD64_UNWIND' $@; fi
```