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*****
5200 Thu Jan 10 10:30:46 2019
new/usr/src/tools/smacth/Makefile
10197 build smacth in parallel
*****
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
11 # Copyright (c) 2019, Joyent, Inc.
12 #
13 #
14 #
15 # The src/ sub-directory is un-modified copy of
16 # https://github.com/illumos/smacth/tree/0.5.1-il-1
17 #
18 # This Makefile installs just enough for us to be able to run smacth
19 # locally.
20 #
21 #
22 PROG = smacth
23 SPARSE_VERSION = 0.5.1-il-1
24 #
25 include ../Makefile.tools
26 #
27 # We have to build smacth before we can use cw
28 i386_CC = $(GNUCC_ROOT)/bin/gcc
29 sparc_CC = $(GNUCC_ROOT)/bin/gcc
30 #
31 CFLAGS = -O -D__sun -Wall -Wno-unknown-pragmas -std=gnu99 -nodefaultlibs
32 #
33 SMATCHDATADIR = $(ROOTONBLDSHARE)/smacth
34 #
35 CFLAGS += -DSMATCHDATADIR='$(SMATCHDATADIR)''
36 CFLAGS += -DGCC_BASE='"/no/such/dir"'
37 CFLAGS += -DMULTIARCH_TRIPLET=NULL
38 #
39 LDLIBS += -lsqLite3 -lcrypto -lm -lgcc -lc
40 LDFLAGS = $(MAPFILE.NES:%=-Wl,-M%)
41 LDFLAGS += -L$(NATIVE_ADJUNCT)/lib -R$(NATIVE_ADJUNCT)/lib
42 #
43 CPPFLAGS += -nostdinc
44 CPPFLAGS += -Isrc/
45 CPPFLAGS += -I$(NATIVE_ADJUNCT)/include
46 #
47 # no install.bin
48 INS.file = $(RM) $@; $(CP) $< $(@D); $(CHMOD) $(FILEMODE) $@
49 INS.dir = mkdir -p $@; $(CHMOD) $(DIRMODE) $@
50 #
51 SMATCH_CHECK_OBJS:sh=ls src/check_*.c | sed -e 's+\.c+.o+;s+src+/+;'
52 #
53 OBJS = smacth.o $(SMATCH_CHECK_OBJS)
54 #
55 OBJS += smacth_flow.o smacth_conditions.o smacth_slist.o smacth_states.o \
56 smacth_helper.o smacth_type.o smacth_hooks.o smacth_function_hooks.o \
57 smacth_modification_hooks.o smacth_extra.o smacth_estate.o smacth_math.o
58 smacth_sval.o smacth_ranges.o smacth_implied.o smacth_ignore.o smacth_pr
59 smacth_var_sym.o smacth_tracker.o smacth_files.o smacth_expression_stack
60 smacth_equiv.o smacth_buf_size.o smacth_strlen.o smacth_capped.o smacth_
61 smacth_expressions.o smacth_returns.o smacth_parse_call_math.o \

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62 smacth_param_limit.o smacth_param_filter.o \
63 smacth_param_set.o smacth_comparison.o smacth_param_compare_limit.o smat
64 smacth_function_ptrs.o smacth_annotate.o smacth_string_list.o \
65 smacth_param_cleared.o smacth_start_states.o \
66 smacth_recurse.o smacth_data_source.o smacth_type_val.o \
67 smacth_common_functions.o smacth_struct_assignment.o \
68 smacth_unknown_value.o smacth_stored_conditions.o avl.o \
69 smacth_function_info.o smacth_links.o smacth_auto_copy.o \
70 smacth_type_links.o smacth_untracked_param.o smacth_impossible.o \
71 smacth_strings.o smacth_param_used.o smacth_container_of.o smacth_address
72 smacth_buf_comparison.o smacth_real_absolute.o smacth_scope.o \
73 smacth_imaginary_absolute.o smacth_parameter_names.o \
74 smacth_return_to_param.o smacth_passes_array_size.o \
75 smacth_constraints.o smacth_constraints_required.o \
76 smacth_fn_arg_link.o smacth_about_fn_ptr_arg.o smacth_mtag.o \
77 smacth_mtag_map.o smacth_mtag_data.o \
78 smacth_param_to_mtag_data.o smacth_mem_tracker.o smacth_array_values.o \
79 smacth_nul_terminator.o smacth_assigned_expr.o smacth_kernel_user_data.o
80 smacth_statement_count.o
81 #
82 OBJS += target.o parse.o tokenize.o pre-process.o symbol.o lib.o scope.o \
83 expression.o show-parse.o evaluate.o expand.o inline.o linearize.o \
84 char.o sort.o allocate.o compat-linux.o ptrlist.o \
85 builtin.o \
86 stats.o \
87 flow.o cse.o simplify.o memops.o liveness.o storage.o unssa.o \
88 dissect.o \
89 macro_table.o token_store.o hashtable.o
90 #
91 SMATCH_DATA = \
92 illumos_kernel.no_return_funcs \
93 illumos_kernel.skipped_functions \
94 illumos_user.no_return_funcs \
95 illumos_user.skipped_functions
96 #
97 SMATCH_DB_DATA = \
98 return_states.schema \
99 call_implies.schema \
100 type_value.schema \
101 param_map.schema \
102 function_type_size.schema \
103 parameter_name.schema \
104 fn_ptr_data_link.schema \
105 constraints.schema \
106 mtag_about.schema \
107 type_info.schema \
108 function_type_info.schema \
109 caller_info.schema \
110 function_type_value.schema \
111 return_implies.schema \
112 type_size.schema \
113 constraints_required.schema \
114 fn_data_link.schema \
115 mtag_alias.schema \
116 common_caller_info.schema \
117 data_info.schema \
118 function_type.schema \
119 db.schema \
120 mtag_data.schema \
121 function_ptr.schema \
122 sink_info.schema \
123 local_values.schema \
124 mtag_map.schema
125 #
126 ROOTONBLDDATAFILES = $(SMATCH_DATA:%=$(SMATCHDATADIR)/smacth_data/%)
127 ROOTONBLDDATAFILES += $(SMATCH_DB_DATA:%=$(SMATCHDATADIR)/smacth_data/db/%)

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129 BUILT_HEADERS = src/version.h src/check_list_local.h
131 .KEEP_STATE:
133 .PARALLEL: $(OBJS)
135 all: $(PROG)
137 install: all .WAIT $(ROOTONBLDMACHPROG) $(ROOTONBLDDATAFILES)
139 clean:
140     rm -f $(OBJS) $(BUILT_HEADERS)
142 $(ROOTONBLDDATAFILES): $(SMATCHDATADIR)/smatch_data/db
144 $(SMATCHDATADIR)/smatch_data/%: src/smatch_data/%
145     $(INS.file)
147 $(SMATCHDATADIR)/smatch_data/db:
148     $(INS.dir)
150 $(SMATCHDATADIR)/smatch_data:
151     $(INS.dir)
153 $(PROG): $(OBJS)
154     $(LINK.c) $(OBJS) -o $@ $(LDLIBS)
155     $(POST_PROCESS)
157 %.o: src/%.c $(BUILT_HEADERS)
158     $(COMPILE.c) -o $@ $<
160 %.o: src/cwchash/%.c
161     $(COMPILE.c) -o $@ $<
163 src/check_list_local.h:
164     touch src/check_list_local.h
166 src/version.h:
167     echo '#define SPARSE_VERSION "$(SPARSE_VERSION)'"' > src/version.h
169 include ../Makefile.targ
```