

new/usr/src/uts/intel/Makefile

1

```
*****
4561 Thu Feb 18 12:08:54 2016
new/usr/src/uts/intel/Makefile
6662 uts should only build the variant requested
*****
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21 # uts/intel/Makefile
22 #
23 # Copyright (c) 1999, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2015 Igor Kozhukhov <ikozhukhov@gmail.com>
25 #
26 # This makefile drives the production of all implementation architecture
27 # independent modules for Intel processors.

29 UTSBASE = ..

31 include Makefile.intel

33 LINT_KMODS_X1 = $(LINT_KMODS:nsmb=)
34 LINT_KMODS_X2 = $(LINT_KMODS_X1:smbfs=)
35 LINT_KMODLIBS = $(LINT_KMODS_X2:e1000g=)
36 LINT_LIBS = $(LINT_LIB) $(GEN_LINT_LIB) \
37             $(LINT_KMODLIBS:%=$(LINT_LIB_DIR)/llib-1%.ln)

39 #
40 # dprov is delivered in the SUNWcryptoint package.
41 #
42 DRV_KMODS += dprov

44 #
45 #
46 def := TARGET= def
47 def.prereq := TARGET= def
48 all := TARGET= all
49 all.prereq := TARGET= all
50 install := TARGET= install
51 install.prereq := TARGET= install
51 install.prereq := TARGET= all
52 clean := TARGET= clean
53 clobber := TARGET= clobber
54 lint := TARGET= lint
55 lint.prereq := TARGET= lint
56 modlintlib := TARGET= modlintlib
57 modlist := TARGET= modlist
58 modlist := NO_STATE= -K $$MODSTATE$$$$
59 clean.lint := TARGET= clean.lint
60 check := TARGET= check
```

new/usr/src/uts/intel/Makefile

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```
61 install_h := TARGET= install_h
62 install_h.prereq := TARGET= install_h

64 .KEEP_STATE:

66 .PARALLEL: $(PARALLEL_KMODS) $(XMODS) config $(LINT_DEPS)

68 def all install clean clobber modlist: $(KMODS) $(XMODS) config

70 clobber: clobber.targ

72 #
73 # Privilege constants
74 #
75 # NOTE: The rules for generating priv_const.c file are shared between all
76 # processor architectures and should be kept in sync. If they are changed in
77 # this file make sure that sparc rules are updated as well.
78 #
79 PRIVS_C = $(SRC)/uts/common/os/priv_const.c

81 $(PRIVS_C): $(PRIVS_AWK) $(PRIVS_DEF)
82             $(AWK) -f $(PRIVS_AWK) < $(PRIVS_DEF) cfile=$@

84 CLOBBERFILES += $(PRIVS_C)

86 #
87 # Prerequisites
88 #
89 # The uts/Makefile defines build parallelism for x86 platforms such that i86pc,
90 # i86xpv and intel are all built in parallel. This requires building certain
91 # parts before the parallel build can start. The uts/Makefile appends the
92 # '.prereq' string to the original target and executes this Makefile to build
93 # any prerequisites needed before the full parallel build can start. After that
94 # make continues with normal targets.
95 #
96 # Any build prerequisites for x86 builds should be described here.
97 #
98 # genassym is used to build intel/dtrace and genunix, so it should be built
99 # first.
100 #
101 # priv_const.c is required to build genunix.
102 #
103 # genunix is used by everyone to ctf-merge with. Genunix is CTF-merged with
104 # intel/ip so as a side effect this dependency builds intel/ip as part of the
105 # prerequisites.
106 #
107 # intel/dtrace depends on i86pc/genassym, so we need to build both
108 # i86pc/genassym and intel/genassym.
109 #
110 all.prereq install.prereq def.prereq: genunix FRC
111             @cd ../i86pc/genassym; pwd; $(MAKE) $(@:%.prereq=%)

113 #
114 # i86pc lint libraries should be built first
115 #
116 lint.prereq: FRC
117             @cd ../i86pc; pwd; $(MAKE) $(NO_STATE) lint

119 #
120 # Nothing to do for any other prerequisite targets.
121 #
122 %.prereq:

124 genunix: $(PRIVS_C)

126 modlintlib clean.lint: $(LINT_KMODS) $(XMODS)
```

```
128 $(KMODS) $(SUBDIRS) config:      FRC
129     @cd $@; pwd; $(MAKE) $(NO_STATE) $(TARGET)

131 $(XMODS):      FRC
132     @if [ -f $@/Makefile ]; then \
133         cd $@; pwd; $(MAKE) $(NO_STATE) $(TARGET); \
134     else \
135         true; \
136     fi

138 install_h check:      FRC
139     @cd sys; pwd; $(MAKE) $(TARGET)
140     @cd asm; pwd; $(MAKE) $(TARGET)
141     @cd ia32/sys; pwd; $(MAKE) $(TARGET)
142     @cd amd64/sys; pwd; $(MAKE) $(TARGET)

144 #
145 # Work-around to disable acpica global crosscheck lint warnings
146 #
147 LGREP.intel =  grep -v 'intel/io/acpica'

149 #
150 #     Full kernel lint target.
151 #
152 LINT_TARGET    =  globallint

154 # workaround for multiply defined errors
155 globallint :=  LINTFLAGS += -erroff=E_NAME_MULTIPLY_DEF2

157 globallint:
158     @pwd
159     @-$(ECHO) "\nFULL KERNEL: global crosschecks:"
160     @-$(LINT) $(LINTFLAGS) $(LINT_LIBS) 2>&1 | $(LGREP.intel) | $(LGREP.2)

162 lint:  modlintlib .WAIT $(LINT_DEPS)

164 include ../Makefile.targ
```

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25 #
26 #
27 #
28 # This makefile drives the production of the generic
29 # unix kernel module.
30 #
31 # x86 implementation architecture dependent
32 #
33 #
34 #
35 # Path to the base of the uts directory tree (usually /usr/src/uts).
36 #
37 UTSBASE = ../../

39 #
40 # Define the module and object file sets.
41 #
42 MODULE = genunix
43 GENUNIX = ${OBJSDIR}/${MODULE}

45 OBJECTS = ${GENUNIX_OBJS:%=${OBJSDIR}/%} \
46           ${NOT_YET_KMODS:%=${OBJSDIR}/%}

48 LINTS = ${GENUNIX_OBJS:%.o=${LINTSDIR}/%.ln} \
49         ${NOT_YET_KMODS:%.o=${LINTSDIR}/%.ln}

51 ROOTMODULE = ${ROOT_KERNEL_DIR}/${MODULE}

53 LIBGEN = ${OBJSDIR}/libgenunix.so
54 LIBSTUBS = ${GENSTUBS_OBJS:%=${OBJSDIR}/%}

56 #
57 # Include common rules.
58 #
59 include ${UTSBASE}/intel/Makefile.intel

61 #

```

```

62 # Define targets
63 #
64 ALL_TARGET = ${LIBGEN} ${GENUNIX}
64 ALL_TARGET = ${LIBGEN}
65 LINT_TARGET = ${MODULE}.lint
66 INSTALL_TARGET = ${LIBGEN} ${GENUNIX} ${ROOTMODULE}
66 INSTALL_TARGET = ${GENUNIX} ${ROOTMODULE}

68 #
69 # Overrides
70 #
71 CLOBBERFILES += ${GENUNIX}
72 CLEANFILES += ${LIBSTUBS} ${LIBGEN}
73 BINARY =

75 #
76 # Non-patch genunix builds merge a version of the ip module called ipctf. This
77 # is to ensure that the common network-related types are included in genunix and
78 # can thus be unqualified out of other modules. We don't want to do this for
79 # patch builds, since we can't guarantee that ip and genunix will be in the same
80 # patch.
81 #
82 IPCTF_TARGET = ${IPCTF}
83 ${PATCH_BUILD}IPCTF_TARGET =

85 CPPFLAGS += -I${SRC}/common
86 CPPFLAGS += -I${SRC}/uts/common/fs/zfs

88 CPPFLAGS += -I${UTSBASE}/i86pc

90 #
91 # For now, disable these lint checks; maintainers should endeavor
92 # to investigate and remove these for maximum lint coverage.
93 # Please do not carry these forward to new Makefiles.
94 #
95 LINTTAGS += -erroff=E_SUSPICIOUS_COMPARISON
96 LINTTAGS += -erroff=E_BAD_PTR_CAST_ALIGN
97 LINTTAGS += -erroff=E_SUPPRESSION_DIRECTIVE_UNUSED
98 LINTTAGS += -erroff=E_STATIC_UNUSED
99 LINTTAGS += -erroff=E_PTRDIFF_OVERFLOW
100 LINTTAGS += -erroff=E_ASSIGN_NARROW_CONV

102 CERRWARN += -_gcc=-Wno-unused-label
103 CERRWARN += -_gcc=-Wno-unused-variable
104 CERRWARN += -_gcc=-Wno-unused-value
105 CERRWARN += -_gcc=-Wno-unused-function
106 CERRWARN += -_gcc=-Wno-parentheses
107 CERRWARN += -_gcc=-Wno-switch
108 CERRWARN += -_gcc=-Wno-type-limits
109 CERRWARN += -_gcc=-Wno-uninitialized
110 CERRWARN += -_gcc=-Wno-clobbered
111 CERRWARN += -_gcc=-Wno-empty-body

113 #
114 # Ensure that lint sees 'struct cpu' containing a fully declared
115 # embedded 'struct machcpu'
116 #
117 LINTFLAGS += -D_MACHDEP -I../../i86pc

119 #
120 # Default build targets.
121 #
122 .KEEP_STATE:

124 def: ${DEF_DEPS}

```

```
126 all:          $(ALL_DEPS)
128 clean:        $(CLEAN_DEPS)
130 clobber:      $(CLOBBER_DEPS)
132 lint:         $(LINT_DEPS)
134 modlintlib:   $(MODLINTLIB_DEPS)
136 clean.lint:   $(CLEAN_LINT_DEPS)
138 install:      $(INSTALL_DEPS)
140 $(LIBGEN):    $(GENUNIX) $(LIBSTUBS)
141              $(BUILD.SO) $(GENUNIX) $(LIBSTUBS)
143 $(IPCTF_TARGET) ipctf_target: FRC
144              @cd $(IPDRV_DIR); pwd; $(MAKE) ipctf.$(OBS_DIR)
145              @pwd
147 $(GENUNIX):  $(IPCTF_TARGET) $(OBJECTS)
148              $(LD) -r $(LDFLAGS) -o $@ $(OBJECTS)
149              $(CTFMERGE_GENUNIX_MERGE)
150              $(POST_PROCESS)
152 #
153 #      Include common targets.
154 #
155 include $(UTSBASE)/intel/Makefile.targ
157 #
158 #      Software workarounds for hardware "features".
159 #
160 include $(UTSBASE)/i86pc/Makefile.workarounds
162 ALL_DEFS += $(WORKAROUND_DEFS)
164 #
165 #      Override.
166 #
167 $(MODULE).lint := GEN_LINT_LIB =
```

new/usr/src/uts/sun4u/Makefile

1

```
*****
7955 Thu Feb 18 12:08:55 2016
new/usr/src/uts/sun4u/Makefile
6662 uts should only build the variant requested
*****
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22 # Copyright 2009 Sun Microsystems, Inc. All rights reserved.
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24 # Copyright 2015 Igor Kozhukhov <ikozhukhov@gmail.com>
25 #
26 # This makefile drives the production of all implementation architecture
27 # dependent modules for the sun4u architecture.
28 #
30 UTSBASE = ..
32 include Makefile.sun4u
34 #
35 # The following are SPARC specific (rather than sun4u) specific modules
36 # which are required for the sun4u kernel to completely lint. They are
37 # not involved in the build in any other way. In order to minimize
38 # build time, it is assumed that they are up to date. But since sun4u
39 # is really a separate architecture we cannot use the v7 sparc modules.
40 #
41 SPARC_LIB_DIR = $(UTSBASE)/sparc/lint-libs/$(OBSJ_DIR)
43 SPARC_LINTS =
45 #
46 #
47 #
48 LINT_LIBS = $(LINT_LIB) \
49 $(LINT_KMODS:%=$(LINT_LIB_DIR)/llib-1%.ln) \
50 $(SPARC_LINTS:%=$(SPARC_LIB_DIR)/llib-1%.ln)
53 def := TARGET= def
54 def.prereq := TARGET= def
55 all := TARGET= all
56 all.prereq := TARGET= all
57 install := TARGET= install
58 install.prereq := TARGET= install
58 install.prereq := TARGET= all
59 install_h := TARGET= install_h
60 install_h.prere := TARGET= install_h
```

new/usr/src/uts/sun4u/Makefile

2

```
61 clean := TARGET= clean
62 clobber := TARGET= clobber
63 lint := TARGET= lint
64 lint.prereq := TARGET= lint
65 lintlib := TARGET= lintlib
66 modlintlib := TARGET= modlintlib
67 modlist := TARGET= modlist
68 modlist.modlist.sparc := NO_STATE= -K $$MODSTATE$$$
69 clean.lint := TARGET= clean.lint
70 check := TARGET= check
72 .KEEP_STATE:
74 .PARALLEL: $(PARALLEL_KMODS) $(XMODS) \
75 $(IMPLEMENTATIONS) \
76 modlist.modlist.sparc
78 # Override for CPU_KMODS... they cannot be built
79 # in parallel
80 .NO_PARALLEL: $(CPU_KMODS)
82 def all clean clobber clean.lint: genassym unix .WAIT \
83 $(KMODS) $(XMODS) $(IMPLEMENTATIONS)
85 clobber: clobber.targ
87 # list the modules under sun4u.
88 modlist: unix $(KMODS) $(XMODS) $(IMPLEMENTATIONS:.WAIT=)
90 # list the modules for Install -k sun4u.
91 modlist.karch: modlist.modlist.sparc
93 modlist.sparc:
94 @cd $(SRC)/uts/sparc; pwd; $(MAKE) $(NO_STATE) modlist
96 install: install_platforms genassym unix .WAIT $(KMODS) \
97 $(XMODS) $(IMPLEMENTATIONS)
99 lintlib: unix
101 modlintlib: $(LINT_KMODS)
103 genassym unix $(KMODS): FRC
104 @cd $@; pwd; $(MAKE) $(NO_STATE) $(TARGET)
106 #
107 # Privilege constants
108 #
109 # NOTE: The rules for generating priv_const.c file are shared between all
110 # processor architectures and should be kept in sync. If they are changed in
111 # this file make sure that x86 rules are updated as well.
112 #
113 PRIVS_C = $(UTSBASE)/common/os/priv_const.c
115 $(PRIVS_C): $(PRIVS_AWK) $(PRIVS_DEF)
116 $(AWK) -f $(PRIVS_AWK) < $(PRIVS_DEF) cfile=$@
118 CLOBBERFILES += $(PRIVS_C)
120 #
121 # Prerequisites
122 #
123 # The uts/Makefile defines build parallelism for sun4 platforms such that sparc,
124 # sun4u and sun4v are all built in parallel. Also this Makefile specifies that
125 # all IMPLEMENTATIONS sun4u sub-platforms are built in parallel. This requires
126 # building certain parts before the parallel build can start. The uts/Makefile
```

```

127 # appends the '.prereq' string to the original target and executes this Makefile
128 # to build any prerequisites needed before the full parallel build can start.
129 # After that make continues with normal targets.
130 #
131 # Any build prerequisites for sun4 and IMPLEMENTATIONS builds should be
132 # described here.
133 #
134 # genassym is used to build dtrace and genunix, so it should be built first.
135 #
136 # priv_const.c is required to build genunix.
137 #
138 # genunix is used by everyone to ctfmerge with. Genunix is merged with sparc/ip
139 # so as a side effect this dependency builds sparc/ip as part of the
140 # prerequisites.
141 #
142 # unix is not required by itself but several sun4u platforms require
143 # sun4u/platmod to be present. The easiest way to achieve this is to build
144 # sun4u/unix first since sun4u/unix Makefile builds sun4u/platform correctly.
145 # This causes full sun4u/unix to be built before all sun4u platforms and
146 # before uts/sun4v and uts/sparc, but it acceptable since it is not spending
147 # too much time building sun4u/unix.
148 #
149 all.prereq def.prereq install.prereq: genassym genunix unix

151 #
152 # Various sun4u platforms expect proto/root_sparc/platform/sun4u/include to be
153 # present. This is handled by running make install_h in sun4u/unix directory
154 # first.
155 #
156 install_h.prereq: FRC
157     @cd sys; pwd; $(MAKE) $(TARGET)

159 #
160 # sun4u/unix and sun4u/genunix should be linted first since sparc does global
161 # cross-check with these lint libraries. The sun4u/unix and sun4u/genunix can be
162 # linted in parallel.
163 #
164 LINT_PREREQ = unix.lint genunix.lint
165 lint.prereq: $(LINT_PREREQ)

167 .PARALLEL: $(LINT_PREREQ)

169 $(LINT_PREREQ):
170     @cd $(@:%.lint=%); pwd; $(MAKE) $(TARGET)

172 #
173 # Nothing to do with any other prerequisites
174 #
175 %.prereq:

177 #
178 # Platform inter-dependencies
179 #
180 lw8: serengeti

182 quasar: darwin

184 #
185 # The genunix requires priv_const.c file to be generated first.
186 #
187 genunix: $(PRIVS_C)

189 #
190 # Rules
191 #

```

```

193 $(IMPLEMENTATIONS): FRC
194     @cd $@; pwd; THISIMPL=$@ $(MAKE) $(NO_STATE) $(TARGET)

196 $(XMODS): FRC
197     @if [ -f $@/Makefile ]; then \
198         cd $@; pwd; $(MAKE) $(NO_STATE) $(TARGET); \
199     else \
200         true; \
201     fi

203 install_h check: install_platforms $(IMPLEMENTATIONS)
204     @cd sys; pwd; $(MAKE) $(TARGET)
205     @cd vm; pwd; $(MAKE) $(TARGET)

207 #
208 # Rules for the /platforms directories. This is hardwired here because
209 # the first stage of the project (KBI) only implements the userland
210 # changes, but the only reasonable place to record the aliases is
211 # here in kernel land.
212 #
213 $(ROOT_PLAT_DIRS): $(ROOT_PLAT_DIR)
214     -$(INS.dir)

216 #
217 # create directories in /usr/platform/ for the implementations that are
218 # defined in $(IMPLEMENTED_PLATFORM)
219 # (eg. SUNW,Ultra-1)
220 #
221 # Foreach $(IMPLEMENTED_PLATFORM) there can be a list of $(LINKED_PLATFORMS)
222 # that are linked to it.
223 #
224 $(USR_PLAT_DIR)/$(IMPLEMENTED_PLATFORM): $(USR_PLAT_DIR)
225     -$(INS.dir)

227 #
228 # create the links in /usr/platform/ foreach $(LINKED_PLATFORMS)
229 # to it's corresponding $(IMPLEMENTED_PLATFORM).
230 #
231 PLATFORMS = $(LINKED_PLATFORMS)

233 $(USR_PLAT_DIRS): $(USR_PLAT_DIR)
234     $(INS.slink3)

236 PLATFORMS += $(IMPLEMENTED_PLATFORM)

238 #
239 # Make the /platforms directories. This is hardwired here because
240 # the first stage of the project (KBI) only implements the userland
241 # changes, but the only reasonable place to record the aliases is
242 # here in kernel land.
243 #
244 install_platforms: $(ROOT_PSM_DIR) $(USR_PSM_DIR) \
245     $(ROOT_PLAT_DIRS) $(USR_PLAT_DIRS) \
246     $(USR_DESKTOP_DIR) $(USR_DESKTOP_INC_DIR) \
247     $(USR_DESKTOP_SBIN_DIR) $(USR_DESKTOP_LIB_DIR)

249 #
250 # rules for making include, sbin, lib dirs/links in
251 # /usr/platform/$(PLATFORM)/ for desktop platforms
252 #
253 $(USR_DESKTOP_INC_DIR): $(USR_DESKTOP_DIR)
254     $(INS.slink4)

256 $(USR_DESKTOP_SBIN_DIR): $(USR_DESKTOP_DIR)
257     $(INS.slink5)

```

**new/usr/src/uts/sun4u/Makefile**

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```
259 $(USR_DESKTOP_LIB_DIR):          $(USR_DESKTOP_DIR)
260     -$(INS.dir)

262 #
263 #     Full kernel lint target.
264 #
265 LINT_TARGET      = globalint

267 globalint:
268     @pwd
269     @-$(ECHO) "\nSUN4U KERNEL: global crosschecks:"
270     @-$(LINT) $(LINTFLAGS) $(LINT_LIBS) 2>&1 | $(LGREP.2)

272 lint:    lintlib .WAIT modlintlib .WAIT $(SPARC_LINTS) $(LINT_DEPS) \
273         $(IMPLEMENTATIONS) $(CPU_KMODS)

275 include ../Makefile.targ

277 #
278 # Cross-reference customization: build a cross-reference over all of the
279 # sun4u-related directories.
280 #
281 XRDIRS   = ../sun4u ../sun4 ../sfmmu ../sparc ../sun ../common
282 XRPRUNE  = i86pc

284 cscope.out tags: FRC
285     $(XREF) -x $@
```

```

*****
4234 Thu Feb 18 12:08:56 2016
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25 #
26 #
27 #
28 # This makefile drives the production of the generic
29 # unix kernel module.
30 #
31 # sparc implementation architecture dependent
32 #
33 #
34 #
35 # Path to the base of the uts directory tree (usually /usr/src/uts).
36 #
37 UTSBASE = ../../
38 #
39 #
40 # Define the module and object file sets.
41 #
42 MODULE = genunix
43 GENUNIX = $(OBJSDIR)/$(MODULE)
44 #
45 OBJECTS = $(GENUNIX_OBJS:=$(OBJSDIR)/%) \
46 $(NOT_YET_KMODS:=$(OBJSDIR)/%)
47 #
48 LINTS = $(GENUNIX_OBJS:.o=$(LINTSDIR)/%.ln) \
49 $(NOT_YET_KMODS:.o=$(LINTSDIR)/%.ln)
50 #
51 ROOTMODULE = $(ROOT_PSM_KERN_DIR)/$(MODULE)
52 #
53 PLATFORM = sun4u
54 LIBGEN = $(OBJSDIR)/libgenunix.so
55 LIBSTUBS = $(GENSTUBS_OBJS:=$(OBJSDIR)/%)
56 #
57 #
58 # Include common rules.
59 #
60 include $(UTSBASE)/sparc/Makefile.sparc

```

```

62 #
63 # Define targets
64 #
65 ALL_TARGET = $(LIBGEN) $(GENUNIX)
66 ALL_TARGET = $(LIBGEN)
67 LINT_TARGET = $(MODULE).lint
68 INSTALL_TARGET = $(LIBGEN) $(GENUNIX) $(ROOTMODULE)
69 INSTALL_TARGET = $(GENUNIX) $(ROOTMODULE)
70 #
71 # Override defaults
72 CLEANFILES += $(LIBSTUBS) $(LIBGEN)
73 #
74 LINT_LIB_DIR = $(UTSBASE)/$(PLATFORM)/lint-libs/$(OBJSDIR)
75 LINT_LIB = $(LINT_LIB_DIR)/llib-lunix.ln
76 GEN_LINT_LIB =
77 #
78 BINARY =
79 #
80 CLOBBERFILES += $(GENUNIX)
81 #
82 #
83 # Non-patch genunix builds merge a version of the ip module called ipctf. This
84 # is to ensure that the common network-related types are included in genunix and
85 # can thus be unquified out of other modules. We don't want to do this for
86 # patch builds, since we can't guarantee that ip and genunix will be in the same
87 # patch.
88 #
89 IPCTF_TARGET = $(IPCTF)
90 $(PATCH_BUILD)IPCTF_TARGET =
91 #
92 #
93 # lint pass one enforcement
94 #
95 CFLAGS += $(CCVERBOSE)
96 CPPFLAGS += -I$(SRC)/common
97 CPPFLAGS += -I$(SRC)/uts/common/fs/zfs
98 #
99 INC_PATH += -I$(UTSBASE)/sun4
100 #
101 #
102 # For now, disable these lint checks; maintainers should endeavor
103 # to investigate and remove these for maximum lint coverage.
104 # Please do not carry these forward to new Makefiles.
105 #
106 LINTTAGS += -erroff=E_SUSPICIOUS_COMPARISON
107 LINTTAGS += -erroff=E_BAD_PTR_CAST_ALIGN
108 LINTTAGS += -erroff=E_SUPPRESSION_DIRECTIVE_UNUSED
109 LINTTAGS += -erroff=E_STATIC_UNUSED
110 LINTTAGS += -erroff=E_PTRDIFF_OVERFLOW
111 LINTTAGS += -erroff=E_ASSIGN_NARROW_CONV
112 #
113 CERRWARN += -_gcc=-Wno-unused-label
114 CERRWARN += -_gcc=-Wno-unused-variable
115 CERRWARN += -_gcc=-Wno-unused-value
116 CERRWARN += -_gcc=-Wno-unused-function
117 CERRWARN += -_gcc=-Wno-parentheses
118 CERRWARN += -_gcc=-Wno-switch
119 CERRWARN += -_gcc=-Wno-type-limits
120 CERRWARN += -_gcc=-Wno-uninitialized
121 CERRWARN += -_gcc=-Wno-clobbered
122 CERRWARN += -_gcc=-Wno-empty-body
123 #
124 #
125 # Ensure that lint sees 'struct cpu' containing a fully declared

```



```
126 # embedded 'struct machcpu'
127 #
128 LINTFLAGS      += -D_MACHDEP -I../.. /sun4 -I../.. /$(PLATFORM) -I../.. /sfmmu

130 #      Default build targets.
131 #
132 .KEEP_STATE:

134 .PARALLEL:     $(LIBSTUBS)

136 def:           $(DEF_DEPS)

138 all:           $(ALL_DEPS)

140 clean:         $(CLEAN_DEPS)

142 clobber:       $(CLOBBER_DEPS)

144 lint:          $(LINT_DEPS)

146 modlintlib:    $(MODLINTLIB_DEPS)

148 clean.lint:    $(CLEAN_LINT_DEPS)

150 install:       $(INSTALL_DEPS)

152 install_h:

155 $(LIBGEN):     $(GENUNIX) $(LIBSTUBS)
156               $(BUILD.SO) $(GENUNIX) $(LIBSTUBS)

158 $(IPCTF_TARGET) ipctf_target: FRC
159               @cd $(IPDRV_DIR); pwd; $(MAKE) ipctf.$(OBJS_DIR)
160               @pwd

162 $(GENUNIX):    $(IPCTF_TARGET) $(OBJECTS)
163               $(LD) -r $(LDFLAGS) -o $@ $(OBJECTS)
164               $(CTFMERGE_GENUNIX_MERGE)
165               $(POST_PROCESS)

167 $(OBJECTS):   $(OBJS_DIR)

169 #
170 #      Include common targets.
171 #
172 include $(UTSBASE)/sparc/Makefile.targ

174 #
175 #      Include sun4u workarounds.
176 #
177 include $(UTSBASE)/sun4u/Makefile.workarounds

179 ALL_DEFS +=    $(WORKAROUND_DEFS)
```

new/usr/src/uts/sun4v/genunix/Makefile

1

```
*****
4511 Thu Feb 18 12:08:56 2016
new/usr/src/uts/sun4v/genunix/Makefile
6662 uts should only build the variant requested
*****
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 2009 Sun Microsystems, Inc. All rights reserved.
24 # Use is subject to license terms.
25 #
26 #
27 # This makefile drives the production of the generic
28 # unix kernel module.
29 #
30 # sparc implementation architecture dependent
31 #
32 #
33 #
34 # Path to the base of the uts directory tree (usually /usr/src/uts).
35 #
36 UTSBASE = ../../
37 #
38 #
39 # Define the module and object file sets.
40 #
41 MODULE = genunix
42 GENUNIX = $(OBJSDIR)/$(MODULE)
43 #
44 OBJECTS = $(GENUNIX_OBJS:%=$(OBJSDIR)/%) \
45           $(NOT_YET_KMODS:%=$(OBJSDIR)/%)
46 #
47 LINTS = $(GENUNIX_OBJS:%.o=$(LINTSDIR)/%.ln) \
48         $(NOT_YET_KMODS:%.o=$(LINTSDIR)/%.ln)
49 #
50 ROOTMODULE = $(ROOT_PSM_KERN_DIR)/$(MODULE)
51 #
52 PLATFORM = sun4v
53 LIBGEN = $(OBJSDIR)/libgenunix.so
54 LIBSTUBS = $(GENSTUBS_OBJS:%=$(OBJSDIR)/%)
55 #
56 # LINTFLAGS will be set to include definitions so that the cpu_t
57 # structure is expanded. However this could be set to look at the
58 # sun4u version which is not correct for sun4v. Therefore we only
59 # want to use the LINTFLAGS modification in this Makefile and so
60 # suppress the usage of the LINTFLAGS setting in the Makefile.sparc
61 # file.
```

new/usr/src/uts/sun4v/genunix/Makefile

2

```
62 #
63 LINTFLAGSUPPRESS = $(POUND_SIGN)
64 #
65 #
66 # Include common rules.
67 #
68 include $(UTSBASE)/sparc/Makefile.sparc
69 #
70 #
71 # Define targets
72 #
73 ALL_TARGET = $(LIBGEN) $(GENUNIX)
74 ALL_TARGET = $(LIBGEN)
75 LINT_TARGET = $(MODULE).lint
76 INSTALL_TARGET = $(LIBGEN) $(GENUNIX) $(ROOTMODULE)
77 INSTALL_TARGET = $(GENUNIX) $(ROOTMODULE)
78 #
79 #
80 Override defaults
81 #
82 CLEANFILES += $(LIBSTUBS) $(LIBGEN)
83 #
84 LINT_LIB_DIR = $(UTSBASE)/$(PLATFORM)/lint-libs/$(OBJS_DIR)
85 LINT_LIB = $(LINT_LIB_DIR)/llib-lunix.ln
86 GEN_LINT_LIB =
87 #
88 BINARY =
89 #
90 CLOBBERFILES += $(GENUNIX)
91 #
92 # Non-patch genunix builds merge a version of the ip module called ipctf. This
93 # is to ensure that the common network-related types are included in genunix and
94 # can thus be unquified out of other modules. We don't want to do this for
95 # patch builds, since we can't guarantee that ip and genunix will be in the same
96 # patch.
97 IPCTF_TARGET = $(IPCTF)
98 $(PATCH_BUILD)IPCTF_TARGET =
99 #
100 #
101 # lint pass one enforcement
102 #
103 CFLAGS += $(CCVERBOSE)
104 CPPFLAGS += -I$(SRC)/common
105 CPPFLAGS += -I$(SRC)/uts/common/fs/zfs
106 #
107 INC_PATH += -I$(UTSBASE)/sun4
108 #
109 #
110 # For now, disable these lint checks; maintainers should endeavor
111 # to investigate and remove these for maximum lint coverage.
112 # Please do not carry these forward to new Makefiles.
113 #
114 LINTTAGS += -erroff=E_SUSPICIOUS_COMPARISON
115 LINTTAGS += -erroff=E_BAD_PTR_CAST_ALIGN
116 LINTTAGS += -erroff=E_SUPPRESSION_DIRECTIVE_UNUSED
117 LINTTAGS += -erroff=E_STATIC_UNUSED
118 LINTTAGS += -erroff=E_PTRDIFF_OVERFLOW
119 LINTTAGS += -erroff=E_ASSIGN_NARROW_CONV
120 #
121 CERRWARN += -_gcc=-Wno-unused-label
122 CERRWARN += -_gcc=-Wno-unused-variable
123 CERRWARN += -_gcc=-Wno-unused-value
124 CERRWARN += -_gcc=-Wno-unused-function
125 CERRWARN += -_gcc=-Wno-parentheses
```

```
126 CERRWARN      += _gcc=-Wno-switch
127 CERRWARN      += _gcc=-Wno-type-limits
128 CERRWARN      += _gcc=-Wno-uninitialized
129 CERRWARN      += _gcc=-Wno-clobbered
130 CERRWARN      += _gcc=-Wno-empty-body

133 # Ensure that lint sees 'struct cpu' containing a fully declared
134 # embedded 'struct machcpu'.
135 #
136 LINTFLAGS      += -D_MACHDEP -I../.. /sun4 -I../.. /$(PLATFORM) -I../.. /sfmmu

138 #
139 #      Default build targets.
140 #
141 .KEEP_STATE:

143 .PARALLEL:     $(LIBSTUBS)

145 def:           $(DEF_DEPS)

147 all:          $(ALL_DEPS)

149 clean:         $(CLEAN_DEPS)

151 clobber:       $(CLOBBER_DEPS)

153 lint:         $(LINT_DEPS)

155 modlintlib:    $(MODLINTLIB_DEPS)

157 clean.lint:   $(CLEAN_LINT_DEPS)

159 install:       $(INSTALL_DEPS)

161 $(LIBGEN):     $(GENUNIX) $(LIBSTUBS)
162              $(BUILD.SO) $(GENUNIX) $(LIBSTUBS)

164 $(GENUNIX):   $(IPCTF_TARGET) $(OBJECTS)
165              @pwd
166              $(LD) -r $(LDFLAGS) -o $@ $(OBJECTS)
167              $(CTFMERGE_GENUNIX_MERGE)
168              $(POST_PROCESS)

170 $(OBJECTS):   $(OBJS_DIR)

172 #
173 #      Include common targets.
174 #
175 include $(UTSBASE)/sparc/Makefile.targ

177 #
178 #      Include workarounds.
179 #
180 include $(UTSBASE)/$(PLATFORM)/Makefile.workarounds

182 ALL_DEFS +=    $(WORKAROUND_DEFS)
```