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*****
10059 Thu Apr 30 12:41:36 2015
new/exception_lists/check_rtime
5879 Additional check_rtime exceptions needed for non-OI illumos-gate compilatio
*****
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
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11 # and limitations under the License.
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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) 2009, 2010, Oracle and/or its affiliates. All rights reserved.
24 # Copyright 2015, OmniTI Computer Consulting, Inc. All rights reserved.
25 #
26 #
27 # This file provides exceptions to the regular rules applied to ELF objects by
28 # check_rtime. All strings are Perl regular expressions that are compared to
29 # file paths. In addition to the standard Perl syntax, there is one extension:
30 #
31 #     MACH(dir)
32 #
33 # is expanded into a regular expression that matches the given
34 # directory, or a 64-bit subdirectory of the directory with the
35 # name of a 64-bit architecture. For example, MACH(lib) will match
36 # any of the following:
37 #
38 #     lib
39 #     lib/amd64
40 #     lib/sparcv9
41 #
42 #
43 # Directory hierarchies to skip completely
44 SKIP    ^usr/lib/libc/          # optimized libc
45 SKIP    ^usr/lib/rcm/          # 4426119
46 SKIP    ^usr/perl5/           # alan's taking care of these :-
47 SKIP    ^usr/src/              # no objects in source code
48 #
49 # Individual files that we don't examine
50 SKIP    ^boot/grub/bin/grub$
51 # USIII specific extns. cause ldd noise on USII bld. m/c
52 SKIP    ^usr/lib/fps/sun4u/UltraSPARC.*/fptest$
53 SKIP    ^usr/MACH(lib)/lddstub$ # lddstub has no dependencies
54 SKIP    ^usr/MACH(lib)/libssagent\.\so\.\1$ # 4328854
55 SKIP    ^usr/lib/MACH(iconv)/geniconvtbl.\so$ # 4384329
56 #
57 # picl file exclusions (4385799)
58 SKIP    ^usr/platform/.*libsvcpplugin_psr\.\so\.\1
59 SKIP    ^usr/platform/.*libsvcpolicy_psr\.\so\.\1
60 SKIP    ^usr/platform/.*libsvcpolicy\.\so\.\1
61 SKIP    ^usr/lib/syseven/modules/picl_slm.\so$

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63 # Objects that are allowed to have executable data segments
64 EXEC_DATA ^MACH(lib)/ld\.\so\.\1$
65 EXEC_DATA ^lib/libc\.\so\.\1$ # 6524709, 32-bit, needed for x86 only
66 EXEC_DATA ^lib/amd64/libumem\.\so\.\1$ # ptcumem
67 EXEC_DATA ^lib/libumem\.\so\.\1$ # ptcumem
68 EXEC_DATA ^opt/SUNWdtrt/tst/.*ustack/tst\.\helper\.\exe$
69 EXEC_DATA ^platform/.*MACH(kernel)/unix$
70 EXEC_DATA ^platform/.*multiboot$
71 #
72 # Objects that are allowed to have an executable stack
73 EXEC_STACK ^platform/.*MACH(kernel)/unix$
74 EXEC_STACK ^platform/.*multiboot$
75 #
76 # Objects for which we allow relocations to the text segment
77 TEXTREL ^platform/.*MACH(kernel)/unix$
78 #
79 # Directories and files that are allowed to have no direct bound symbols
80 NODIRECT ^platform/.*MACH(kernel)/unix$
81 NODIRECT ^usr/ucb
82 NODIRECT ^usr/4lib/sbcp$
83 #
84 # Identify any files that should be skipped when building a crle(1)
85 # configuration file. As the hwcap libraries can be loop-back mounted onto
86 # libc, these can confuse crle(1) because of their identical dev/inode.
87 NOCRLEALT ^usr/lib/libc/libc_hwcap[1-3]\.\so\.\1$
88 #
89 # Files that should contain debugging information.
90 STAB ^platform/.*MACH(kernel)/unix$
91 #
92 # Files that are allowed undefined references
93 UNDEF_REF ^usr/lib/libnisdb\.\so\.\2$
94 UNDEF_REF ^usr/snadm/lib/libsvm\.\so\.\1$
95 #
96 # Objects allowed to have unused dependencies
97 UNUSED_DEPS ^usr/lib/picl/plugins/ # require devtree dependencies
98 UNUSED_DEPS ^usr/lib/libp # profile libc makes libm an unused dep of libc
99 #
100 # libm.so.2 dependency
101 UNUSED_OBJ unused object=.*MACH(lib)/libm_hwcap1\.\so\.\2
102 #
103 # libnetsnmphelpers.so is empty in some net-snmp versions
104 UNUSED_OBJ unused object=.*libnetsnmphelpers\.\so\.\.*
105 UNREF_OBJ unreferenced object=.*libnetsnmphelpers\.\so\.\.*
106 UNREF_OBJ unreferenced object=.*libsnmphelpers\.\so\.\.*
107 #
107 # Unused runpaths due to dlopen() use
108 UNUSED_RPATH /usr/lib/fs/autofs.*\ from\ .automountd
109 UNUSED_RPATH /etc/ppp/plugins.*\ from\ .pppd
110 UNUSED_RPATH /usr/lib/inet/ppp.*\ from\ .pppd
111 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libipseutil\.\so\.\1
112 UNUSED_RPATH /usr/platform/.*rsmlib.*\ from\ .*librsmlib\.\so\.\2
113 UNUSED_RPATH $ORIGIN.*\ from\ .*fcode.so
114 UNUSED_RPATH /opt/VRTSvxvm/lib.*\ from\ .*libdiskmgt\.\so\.\1
115 #
116 # Unused runpaths in picl code
117 UNUSED_RPATH /usr/platform/.*\ from\ .*/usr/platform
118 UNUSED_RPATH /usr/lib/picl/.*\ from\ .*/usr/platform
119 UNUSED_RPATH /usr/platform/.*\ from\ .*/usr/lib/picl
120 #
121 # Unused runpaths in non-OSNET objects we can't change
122 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libnss3\.\so
123 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libnssutil3\.\so
124 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libsmime3\.\so
125 UNUSED_RPATH /usr/lib/mps.*\ from\ .*libssl3\.\so
126 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libdbus-1\.\so\.\3

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new/exception_lists/check_rtime

3

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127 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libdbus-glib-1\so\0.2
128 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libglib-2\0\so\0
129 UNUSED_RPATH /usr/X11/lib.*\ from\ .*libglib-2\0\so\0
130 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libgobject-2\0\so\0
131 UNUSED_RPATH /usr/X11/lib.*\ from\ .*libgobject-2\0\so\0
132 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libgthread-2\0\so\0
133 UNUSED_RPATH /usr/X11/lib.*\ from\ .*libgthread-2\0\so\0
134 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libcrypto\so\0.9\8
135 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libnetsmp\so\.*
136 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libgcc_s\so\1
137 UNUSED_RPATH /usr/ccs/lib.*\ from\ .*libgcc_s\so\1
138 UNUSED_RPATH /usr/lib.*\ from\ .*libgcc_s\so\1
139 UNUSED_RPATH /usr/postgres/8.3/lib.*\ from\ .*libpq\so\5
140 UNUSED_RPATH /usr/sfw/lib.*\ from\ .*libpq\so\5
141 UNUSED_RPATH /usr/lib.*\ from\ .*usr/lib/mps
142 UNUSED_RPATH /usr/ccs/lib.*\ from\ .*usr/lib/mps
143 UNUSED_RPATH /usr/gnu/lib.*\ from\ .*usr/lib/libpython2\6
144 UNUSED_RPATH /usr/gnu/lib.*\ from\ .*usr/lib/64/libpython2\6
145 UNUSED_RPATH /usr/snadm/lib.*\ from\ .*usr/snadm/lib/libspmicommon\so\1

148 # Unused runpaths for reasons not captured above
149 UNUSED_RPATH /usr/lib/smbfs.*\ from\ .*libsmb\so\1 # future needs
150 UNUSED_RPATH /usr.*\ from\ .*tst\gcc\exe # gcc built

153 # Unreferenced objects of non-OSnet objects we can't change
154 UNREF_OBJ /lib.*\ of\ .*libcimapi\so
155 UNREF_OBJ /lib.*\ of\ .*libdbus-1\so\3
156 UNREF_OBJ /lib.*\ of\ .*libdbus-glib-1\so\0.2
157 UNREF_OBJ /lib.*\ of\ .*libgio-2.0\so\0
158 UNREF_OBJ /lib.*\ of\ .*libglib-2.0\so\0
159 UNREF_OBJ /lib.*\ of\ .*libgobject-2.0\so\0
160 UNREF_OBJ /lib.*\ of\ .*libgthread-2.0\so\0
161 UNREF_OBJ /lib.*\ of\ .*libjvm\so
162 UNREF_OBJ /lib.*\ of\ .*libnetsmp\so\.*
163 UNREF_OBJ /lib.*\ of\ .*libnetsmpagent\so\.*
164 UNREF_OBJ /lib.*\ of\ .*libnetsnmpmibs\so\.*
165 UNREF_OBJ /lib.*\ of\ .*libnetsnmphelpers\so\.*
166 UNREF_OBJ /lib.*\ of\ .*libnspr4\so
167 UNREF_OBJ /lib.*\ of\ .*libpq\so\5
168 UNREF_OBJ /lib.*\ of\ .*libsoftokn3\so
169 UNREF_OBJ /lib.*\ of\ .*libspmicommon\so\1
170 UNREF_OBJ /lib.*\ of\ .*libspmicommon\so\1
171 UNREF_OBJ /lib.*\ of\ .*libssl3\so
172 UNREF_OBJ /lib.*\ of\ .*libtspi\so\1
173 UNREF_OBJ /lib.*\ of\ .*libxml2\so\2
174 UNREF_OBJ /lib.*\ of\ .*libxslt\so\1
175 UNREF_OBJ /lib.*\ of\ .*libpq\so\4
176 UNREF_OBJ /lib.*\ of\ .*libpython2\4\so\1\0
177 UNREF_OBJ /lib.*\ of\ .*libpython2\6\so\1\0
178 UNREF_OBJ /libgcc_s.*\ of\ .*libstdc\+\+\so\6
179 UNREF_OBJ /libgcc_s.*\ of\ .*libgmodule-2\0\so\0

181 # Unreferenced object of objects we can't change for other reasons
182 UNREF_OBJ /libmapallocc\so\1;\ unused\ dependency\ of # interposer
183 UNREF_OBJ /libstdc\+\+\so\6;\ unused\ dependency\ of # gcc build
184 UNREF_OBJ /libgcc_s\so\1.*\ of\ .*libstdc\+\+\so\6 # omnios gcc mix
185 UNREF_OBJ /libm\so\2.*\ of\ .*libstdc\+\+\so\6 # gcc build
186 UNREF_OBJ /lib.*\ of\ .*lib/picl/plugins/ # picl
187 UNREF_OBJ /lib.*\ of\ .*kcfid # interposer
188 UNREF_OBJ /libpkcs11\so\1;.*\ of\ .*libkmf\so\1 # interposed
189 # Referenced by the Studio build, not the GCC build. GCC eliminates the unused
190 # statics which have the dependence.
191 UNREF_OBJ /libc\so\1.*\ of\ .*kldap\so\1

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new/exception_lists/check_rtime

4

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194 # Objects that used to contain system functionality that has since
195 # migrated to libc. We preserve these libraries as pure filters for
196 # backward compatibility but nothing needs to link to them.
197 OLDDEP libaio\so\1 # onnv build 44
198 OLDDEP libdl\so\1 # on10 build 49
199 OLDDEP libdoor\so\1 # onnv build 12
200 OLDDEP libintl\so\1 # on297 build 7
201 OLDDEP libpthread\so\1 # on10 build 53
202 OLDDEP librt\so\1 # onnv build 44
203 OLDDEP libsched\so\1 # on10 build 36
204 OLDDEP libthread\so\1 # on10 build 53
205 OLDDEP libw\so\1 # on297 build 7

207 # Files for which we skip checking of duplicate addresses in the
208 # symbol sort sections. Such exceptions should be rare --- most code will
209 # not have duplicate addresses, since it takes assembler or a "#pragma weak"
210 # to do such aliasing in C. C++ is different: The compiler generates aliases
211 # for implementation reasons, and the mangled names used to encode argument
212 # and return value types are difficult to handle well in mapfiles.
213 # Furthermore, the Sun compiler and gcc use different and incompatible
214 # name mangling conventions. Since ON must be buildable by either, we
215 # would have to maintain two sets of mapfiles for each such object.
216 # C++ use is rare in ON, so this is not worth pursuing.
217 #
218 NOSYMSORT opt/SUNWdtrt/tst/common/pid/tst.weak2.exe # DTrace test
219 NOSYMSORT lib/amd64/libnsl\so\1 # C++
220 NOSYMSORT lib/sparcv9/libnsl\so\1 # C++
221 NOSYMSORT lib/sparcv9/libfru\so\1 # C++
222 NOSYMSORT usr/lib/lms # C++
223 NOSYMSORT ld\so\1 # libc_pic.a use
224 NOSYMSORT lib/libsun_fc\so\1 # C++
225 NOSYMSORT lib/amd64/libsun_fc\so\1 # C++
226 NOSYMSORT lib/sparcv9/libsun_fc\so\1 # C++
227 NOSYMSORT usr/lib/amd64/libfru\so\1 # C++

230 # The libprtdiag_psr.so.1 objects built under usr/src/lib/libprtdiag_psr
231 # are a family, all built using the same makefile, targeted at different
232 # sparc hardware variants. There are a small number of cases where this
233 # one size fits all approach causes an object to be linked against an
234 # unneeded library.
235 UNREF_OBJ lib/(libdevinfo|libcfgadm)\so\1;.*\ of\ .*SUNW,Netra-CP2300/1

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