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*****
2318 Wed Apr 20 15:18:09 2016
new/usr/src/lib/libc/extract-copyright.pl
6924 make libc copyright file contents deterministic
*****
1  #! /usr/perl5/bin/perl
2  #
3  # This file and its contents are supplied under the terms of the
4  # Common Development and Distribution License ("CDDL"), version 1.0.
5  # You may only use this file in accordance with the terms version
6  # 1.0 of the CDDL.
7  #
8  # A full copy of the text of the CDDL should have accompanied this
9  # source. A copy is of the CDDL is also available via the Internet
10 # at http://www.illumos.org/license/CDDL.
11 #
13 #
14 # Copyright 2010 Nexenta Systems, Inc. All rights reserved.
15 # Copyright 2016 Josef 'Jeff' Sipek <jeffpc@josefsipek.net>
16 #endif /* ! codereview */
17 #
19 #
20 # This extracts all the BSD copyrights (excluding the CDDL licenses)
21 # for use in a THIRDPARTYLICENSE file. It tries hard to avoid duplicates.
22 #
24 use strict;
25 use warnings;
26 use File::Find;
28 my %LICENSE = ();
30 sub dofile
31 {
32     my $file = shift;
33     my $comment = 0;
34     my @license = ();
35     my @block = ();
36     my $copyr = 0;
37     open(FILE, $file);
38     while (<FILE>) {
39         if (/^\s*$/) {
40             $comment = 1;
41             $copyr = 0;
42             @block = ();
43             next;
44         }
45         if (!$comment) {
46             next;
47         }
48         #
49         # We don't want to know about CDDL files. They don't
50         # require an explicit THIRDPARTYLICENSE file.
51         #
52         if (/CDDL/) {
53             #print "$file is CDDL.\n";
54             close(FILE);
55             return;
56         }
57         if (/Copyright/) {
58             $copyr = 1;
59         }
60         if (/^\s*\s*$/) {
61             push(@block, $_);

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62         next;
63     }
64     #
65     # We have reached the end of the comment now.
66     #
67     $comment = 0;
69     # Check to see if we saw a copyright.
70     if (!$copyr) {
71         next;
72     }
73     my $line;
74     foreach $line (@block) {
75         chomp $line;
76         $line =~ s/^\s* //;
77         $line =~ s/^\s* //;
78         $line =~ s/^\s* //;
79         push(@license, $line);
80     }
81 }
83 if ($#license > 0) {
84     my $lic = join "\n", @license;
85     push (@{$LICENSE{$lic}}, $file);
86 }
88 close(FILE);
89 }
91 my @FILES;
93 sub wanted {
94     my $path = $File::Find::name;
96     if (!-f $path) {
97         if ($path =~ /\..[chs]$/) {
98             push(@FILES, $path);
99         }
100     }
101 }
102 }
103 foreach $a (@ARGV) {
104     if (-d $a) {
105         find(\&wanted, $a);
106     } elsif (-f $a) {
107         push(@FILES, $a);
108     }
109 }
111 # sort files to get a stable ordering to aid wsdiff(1onlbd)
112 @FILES = sort @FILES;
113 #endif /* ! codereview */
115 foreach $a (@FILES) {
116     dofile($a);
117 }
119 foreach my $lic (keys %LICENSE) {
120     my @files = @{$LICENSE{$lic}};
121     print "\nThe following files from the C library:\n";
122     foreach my $f (@files) {
123         print("  $f\n");
124     }
125     print "are provided under the following terms:\n\n";
126     print "$lic\n";
127 }

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