

new/usr/src/head/wctype.h

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*****
4565 Sun Apr 5 10:44:19 2015
new/usr/src/head/wctype.h
5710 iswblank_1 missing from headers
Reviewed by: Josef Sipek <jeffpc@josefsipek.net>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Approved by: TBD
*****
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21 */
22 /*      wctype.h      1.13 89/11/02 SMI; JLE  */
23 /*      from AT&T JAE 2.1      */
24 /*      definitions for international functions */

26 /*
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32 */

33 #ifndef _WCTYPE_H
34 #define _WCTYPE_H

36 #include <sys/feature_tests.h>
37 #include <iso/wctype_iso.h>
38 #ifndef _STRICT_SYMBOLS
39 #include <ctype.h>
40 #include <wchar.h>
41 #endif

43 /*
44  * Allow global visibility for symbols defined in
45  * C++ "std" namespace in <iso/wctype_iso.h>.
46  */
47 #if __cplusplus >= 199711L
48 using std::wint_t;
49 using std::wctrans_t;
50 using std::iswalnum;
51 using std::iswalpha;
52 using std::iswcntrl;
53 using std::iswdigit;
54 using std::iswgraph;
55 using std::iswlower;
56 using std::iswprint;
57 using std::iswpunct;
```

new/usr/src/head/wctype.h

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58 using std::iswspace;
59 using std::iswupper;
60 using std::iswxdigit;
61 using std::towlower;
62 using std::towupper;
63 using std::wctrans;
64 using std::towctrans;
65 using std::iswctype;
66 using std::wctype;
67 #if (__cplusplus >= 201103L) || defined(_STDC_C99) || defined(_XPG6) || \
68     !defined(_STRICT_SYMBOLS)
69 using std::iswblank;
70 #endif
71 #endif

73 #ifdef __cplusplus
74 extern "C" {
75 #endif

77 /* do not allow any of the following in a strictly conforming application */
78 #ifndef _STRICT_SYMBOLS

80 /*
81  * data structure for supplementary code set
82  * for character class and conversion
83  */
84 struct _wctype {
85     wchar_t tmin;           /* minimum code for wctype */
86     wchar_t tmax;          /* maximum code for wctype */
87     unsigned char *index;   /* class index */
88     unsigned int *type;     /* class type */
89     wchar_t cmin;          /* minimum code for conversion */
90     wchar_t cmax;          /* maximum code for conversion */
91     wchar_t *code;         /* conversion code */
92 };

95 #ifdef _ILLUMOS_PRIVATE
96 extern int __iswrunec(wint_t);
97 extern int __nextwctypew(wint_t, wctype_t);
98 #define iswrunec(c)      __iswrunec(c)
99 #define nextwctypew(c, t) __nextwctypew(c, t)
100 #endif

102 /* character classification functions */

104 /* iswascii is still a macro */
105 #define iswascii(c)      isascii(c)

107 /* isw*, except iswascii(), are not macros any more. They become functions */

109 /* is* also become functions */
110 extern int isphonogram(wint_t);
111 extern int isideogram(wint_t);
112 extern int isenglish(wint_t);
113 extern int isnumber(wint_t);
114 extern int isspecial(wint_t);
115 /* From BSD/MacOS */
116 extern int iswideogram(wint_t);
117 extern int iswphonogram(wint_t);
118 extern int iswnumber(wint_t);
119 extern int iswhexnumber(wint_t);
120 extern int iswspecial(wint_t);

122 #define iscodeset0(c)    isascii(c)
123 #define iscodeset1(c)    (((c) & WCHAR_CSMASK) == WCHAR_CS1)
```

```
124 #define iscodeset2(c) (((c) & WCHAR_CSMASK) == WCHAR_CS2)
125 #define iscodeset3(c) (((c) & WCHAR_CSMASK) == WCHAR_CS3)

127 #endif /* !defined(_STRICT_SYMBOLS)... */

130 /* XPG7 extended locale support */
131 #if defined(_XPG7) || !defined(_STRICT_SYMBOLS)

133 #ifndef _LOCALE_T
134 #define _LOCALE_T
135 typedef struct _locale *locale_t;
136 #endif

138 extern wint_t towlower_l(wint_t, locale_t);
139 extern wint_t towupper_l(wint_t, locale_t);
140 extern wint_t towctrans_l(wint_t, wctrans_t, locale_t);
141 extern int iswctype_l(wint_t, wctype_t, locale_t);
142 extern int iswalnum_l(wint_t, locale_t);
143 extern int iswalphal_l(wint_t, locale_t);
144 extern int iswblank_l(wint_t, locale_t);
145 extern int iswcntrl_l(wint_t, locale_t);
146 extern int iswdigit_l(wint_t, locale_t);
147 extern int iswgraph_l(wint_t, locale_t);
148 extern int iswlower_l(wint_t, locale_t);
149 extern int iswprint_l(wint_t, locale_t);
150 extern int iswpunct_l(wint_t, locale_t);
151 extern int iswspace_l(wint_t, locale_t);
152 extern int iswupper_l(wint_t, locale_t);
153 extern int iswxdigit_l(wint_t, locale_t);
154 extern wctrans_t wctrans_l(const char *, locale_t);
155 extern wctype_t wctype_l(const char *, locale_t);
156 #endif /* defined(_XPG7) || !defined(_STRICT_SYMBOLS) */

158 #ifdef __cplusplus
159 }
    unchanged portion omitted
```

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*****
56627 Sun Apr 5 10:44:20 2015
new/usr/src/lib/libc/port/mapfile-vers
5772 isxdigit_1, iswxdigit_1 not exported (missing from mapfile)
Reviewed by: Rich Lowe <richlowe@richlowe.net>
Reviewed by: Josef Sipek <jeffpc@josefsipek.net>
Approved by: TBD
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33 #
34 # MAPFILE HEADER START
35 #
36 # WARNING: STOP NOW. DO NOT MODIFY THIS FILE.
37 # Object versioning must comply with the rules detailed in
38 #
39 #     usr/src/lib/README.mapfiles
40 #
41 # You should not be making modifications here until you've read the most current
42 # copy of that file. If you need help, contact a gatekeeper for guidance.
43 #
44 # MAPFILE HEADER END
45 #

47 $mapfile_version 2

49 #
50 # All function names added to this or any other libc mapfile
51 # must be placed under the 'protected:' designation.
52 # The 'global:' designation is used *only* for data
53 # items and for the members of the malloc() family.
54 #

56 #
57 # README README README README README README: how to update this file
58 # 1) each version of Solaris/OpenSolaris gets a version number.

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59 # (Actually since Solaris is actually a series of OpenSolaris releases
60 # we'll just use OpenSolaris for this exercise.)
61 # OpenSolaris 2008.11 gets 1.23
62 # OpenSolaris 2009.04 gets 1.24
63 # etc.
64 # 2) each project integration uses a unique version number.
65 # PSARC/2008/123 gets 1.24.1
66 # PSARC/2008/456 gets 1.24.2
67 # etc.
68 #

71 # Mnemonic conditional input identifiers:
72 #
73 # - amd64, i386, sparc32, sparcv9: Correspond to ISA subdirectories used to
74 # hold per-platform code. Note however that we use 'sparc32' instead of
75 # 'sparc'. Since '_sparc' is predefined to apply to, all sparc platforms,
76 # naming the 32-bit version 'sparc' would be too likely to cause errors.
77 #
78 # - lf64: Defined on platforms that offer the 32-bit largefile APIs
79 #
80 $if _ELF32
81 $add lf64
82 $endif
83 $if _sparc && _ELF32
84 $add sparc32
85 $endif
86 $if _sparc && _ELF64
87 $add sparcv9
88 $endif
89 $if _x86 && _ELF32
90 $add i386
91 $endif
92 $if _x86 && _ELF64
93 $add amd64
94 $endif

96 SYMBOL_VERSION ILLUMOS_0.11 { # Illumos additions
97     protected:
98         iswxdigit_1;
99         isxdigit_1;
100 } ILLUMOS_0.10;

102 SYMBOL_VERSION ILLUMOS_0.10 { # Illumos additions
103     protected:
104         preadv;
105         pwritev;

107 $if lf64
108     preadv64;
109     pwritev64;
110 $endif
111 } ILLUMOS_0.9;
    unchanged_portion_omitted

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*****
3443 Sun Apr 5 10:44:20 2015
new/usr/src/test/libc-tests/cfg/symbols/wctype_h.cfg
5710 iswblank_l missing from headers
Reviewed by: Josef Sipek <jeffpc@josefsipek.net>
Reviewed by: Igor Kozhukhov <ikozhukhov@gmail.com>
Approved by: TBD
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14 #
16 #
17 # Definitions found in wctype.h
18 #
20 #
21 # Types.
22 #
23 type | wint_t | wctype.h | ALL
24 type | wctrans_t | wctype.h | ALL
25 type | wctype_t | wctype.h | ALL
27 #
28 # Values.
29 #
30 value | WEOF | wint_t | wctype.h | ALL -XPG4+ SUSv4+
32 #
33 # Functions
34 #
35 func | iswalnum | \
36 int | \
37 wint_t | \
38 wctype.h | ALL
40 func | iswalnum_l | \
41 int | \
42 wint_t; locale_t | \
43 wctype.h | -ALL SUSv4+
45 func | iswalpha | \
46 int | \
47 wint_t | \
48 wctype.h | ALL
50 func | iswalpha_l | \
51 int | \
52 wint_t; locale_t | \
53 wctype.h | -ALL SUSv4+
55 func | iswblank | \
56 int | \
57 wint_t | \
58 wctype.h | C99+

```

```

60 func | iswblank_l | \
61 int | \
62 wint_t; locale_t | \
63 wctype.h | -ALL SUSv4+
65 func | iswcntrl | \
66 int | \
67 wint_t | \
68 wctype.h | ALL
70 func | iswcntrl_l | \
71 int | \
72 wint_t; locale_t | \
73 wctype.h | -ALL SUSv4+
75 func | iswctype | \
76 int | \
77 wint_t; wctype_t | \
78 wctype.h | ALL
80 func | iswctype_l | \
81 int | \
82 wint_t; wctype_t; locale_t | \
83 wctype.h | -ALL SUSv4+
85 func | iswdigit | \
86 int | \
87 wint_t | \
88 wctype.h | ALL
90 func | iswdigit_l | \
91 int | \
92 wint_t; locale_t | \
93 wctype.h | -ALL SUSv4+
95 func | iswgraph | \
96 int | \
97 wint_t | \
98 wctype.h | ALL
100 func | iswgraph_l | \
101 int | \
102 wint_t; locale_t | \
103 wctype.h | -ALL SUSv4+
105 func | iswlower | \
106 int | \
107 wint_t | \
108 wctype.h | ALL
110 func | iswlower_l | \
111 int | \
112 wint_t; locale_t | \
113 wctype.h | -ALL SUSv4+
115 func | iswprint | \
116 int | \
117 wint_t | \
118 wctype.h | ALL
120 func | iswprint_l | \
121 int | \
122 wint_t; locale_t | \
123 wctype.h | -ALL SUSv4+

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125 func | iswpunct          | \
126      | int                    | \
127      | wint_t                 | \
128      | wctype.h | ALL        | \
130 func | iswpunct_l            | \
131      | int                    | \
132      | wint_t; locale_t      | \
133      | wctype.h | -ALL SUSv4+ | \
135 func | iswspace              | \
136      | int                    | \
137      | wint_t                 | \
138      | wctype.h | ALL        | \
140 func | iswspace_l            | \
141      | int                    | \
142      | wint_t; locale_t      | \
143      | wctype.h | -ALL SUSv4+ | \
145 func | iswupper              | \
146      | int                    | \
147      | wint_t                 | \
148      | wctype.h | ALL        | \
150 func | iswupper_l            | \
151      | int                    | \
152      | wint_t; locale_t      | \
153      | wctype.h | -ALL SUSv4+ | \
155 func | iswxdigit             | \
156      | int                    | \
157      | wint_t                 | \
158      | wctype.h | ALL        | \
160 func | iswxdigit_l           | \
161      | int                    | \
162      | wint_t; locale_t      | \
163      | wctype.h | -ALL SUSv4+ | \
165 func | towctrans             | \
166      | wint_t                 | \
167      | wint_t; wctrans_t     | \
168      | wctype.h | ALL        | \
170 func | towctrans_l           | \
171      | wint_t                 | \
172      | wint_t; wctrans_t; locale_t | \
173      | wctype.h | -ALL SUSv4+ | \
175 func | towlower              | \
176      | wint_t                 | \
177      | wint_t                 | \
178      | wctype.h | ALL        | \
180 func | towlower_l            | \
181      | wint_t                 | \
182      | wint_t; locale_t      | \
183      | wctype.h | -ALL SUSv4+ | \
185 func | towupper              | \
186      | wint_t                 | \
187      | wint_t                 | \
188      | wctype.h | ALL        | \
190 func | towupper_l            | \

```

```

191      | wint_t                 | \
192      | wint_t; locale_t      | \
193      | wctype.h | -ALL SUSv4+ | \

```