

new/usr/src/head/iso/stdlib_c11.h

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*****
2185 Thu May 24 20:14:40 2018
new/usr/src/head/iso/stdlib_c11.h
9553 C11 functions quick_exit and at_quick_exit should be visible in C++11.
*****
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 */

12 /*
13  * Copyright 2016 Joyent, Inc.
14 */

16 /*
17  * An application should not include this header directly. Instead it
18  * should be included only through the inclusion of other illumos headers.
19  *
20  * The contents of this header is limited to identifiers specified in
21  * the C11 standard and in conflict with the C++ implementation of the
22  * standard header. The C++ standard may adopt the C11 standard at
23  * which point it is expected that the symbols included here will
24  * become part of the C++ std namespace.
25 */

27 #ifndef _ISO_STDLIB_C11_H
28 #define _ISO_STDLIB_C11_H

30 #include <sys/feature_tests.h>

32 #ifdef __cplusplus
33 extern "C" {
34 #endif

36 #if __cplusplus >= 199711L
37 namespace std {
38 #endif

40 /*
41  * The following have been added as a result of the ISO/IEC 9899:2011
42  * standard. For a strictly conforming C application, visibility is
43  * contingent on the value of __STDC_VERSION__ (see sys/feature_tests.h).
44  * For non-strictly conforming C applications, there are no restrictions
45  * on the C namespace.
46 */

48 /*
49  * Work around fix-includes and other bad actors with using multiple headers.
50 */
51 #if !defined(_NORETURN_KYWD)
52 #if __STDC_VERSION__ - 0 >= 201112L
53 #define _NORETURN_KYWD _Noreturn
54 #else
55 #define _NORETURN_KYWD
56 #endif /* __STDC_VERSION__ - 0 >= 201112L */
57 #endif /* !defined(_NORETURN_KYWD) */

59 #if !defined(_STRICT_SYMBOLS) || defined(_STDC_C11)
60 extern void *aligned_alloc(size_t, size_t);
61 #endif /* !_STRICT_SYMBOLS || _STDC_C11 */
```

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63 #if !defined(_STRICT_SYMBOLS) || defined(_STDC_C11) || __cplusplus >= 201103L
64 #endif /* !codereview */
65 extern int at_quick_exit(void (*)(void));
66 extern _NORETURN_KYWD void quick_exit(int);
67 #endif /* !_STRICT_SYMBOLS || _STDC_C11 || __cplusplus >= 201103L */
61 #endif /* !_STRICT_SYMBOLS || _STDC_C11 */

69 #if __cplusplus >= 199711L
70 }
    unchanged_portion_omitted
```