

new/usr/src/uts/common/sys/null.h

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8017 Comply with POSIX.1-2008 and C++11 for the definition of NULL

```
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.
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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 2014-2016 PALO, Richard.
14 */

16 #ifndef _SYS_NULL_H
17 #define _SYS_NULL_H

19 #include <sys/feature_tests.h>

21 #endif /* !codereview */
22 #ifndef NULL

24 /*
25  * POSIX.1-2008 requires that the NULL macro be cast to type void *.
26  * Historically, this has not been done, so we only enable this in a
27  * POSIX.1-2008 compilation environment.
28 */

30 #if defined(_XPG7) && !defined(__cplusplus)
31 #define NULL ((void *)0)
32 #else

34 /*
35  * ISO C++ requires that the NULL macro be defined as a constant integral
36  * type evaluating to zero until C++11, and an integer or pointer literal
37  * with value zero from C++11 onwards.
38 */

40 #if defined(__cplusplus) && __cplusplus >= 201103L
41 #define NULL nullptr
42 #else
43 #endif /* !codereview */
44 #if defined(_LP64)
45 #define NULL 0L
46 #else
47 #define NULL 0
48 #endif /* !_LP64 */
49 #endif /* C++11 */
50 #endif /* !_XPG7 */
19 #endif

52 #endif /* NULL */

54 #endif /* _SYS_NULL_H */
```