

Code Scan Report-[socat_tidy]

15/04/2021 23:07:37

1. Visual



2.Top Vulnrable Files

Rank	File Path
1	/home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp
2	/socat.c
3	socat.c
4	/xio-openssl.c
5	/xio-named.c
6	/filan.c
7	xio-openssl.c
8	xio-named.c
9	filan.c
10	/xio-progcall.c
11	/xioopts.c
12	/xiioinitialize.c
13	/xiowrite.c
14	/vsnprintf_r.c
15	xio-progcall.c
16	xioopts.c
17	xiioinitialize.c

18	xiowrite.c
19	vsnprintf_r.c

3.Potential Vulnerabilities

DANGER

WARNING

1-cpp/potentially-dangerous-function

-> [Path] : filan.c (Line) 983:11, 983:18

-> [Message] : Call to asctime is potentially dangerous

2-cpp/potentially-dangerous-function

-> [Path] : filan.c (Line) 983:19, 983:28

-> [Message] : Call to localtime is potentially dangerous

3-cpp/potentially-dangerous-function

-> [Path] : socat.c (Line) 1149:60, 1149:69

-> [Message] : Call to localtime is potentially dangerous

4-cpp/constant-comparison

-> [Path] : xio-named.c (Line) 72:7, 72:36

-> [Message] : Comparison is always false because call to Umask >= 0.

5-cpp/constant-comparison

-> [Path] : xio-openssl.c (Line) 1678:10, 1678:18

-> [Message] : Comparison is always false because ret <= -1.

6-cpp/constant-comparison

-> [Path] : xio-openssl.c (Line) 1619:10, 1619:18

-> [Message] : Comparison is always false because ret <= -1.

7-Use of potentially dangerous function

-> [Path] : /filan.c (Line) 983:11, 983:17

-> [Message] : Call to asctime is potentially dangerous

8-Use of potentially dangerous function

-> [Path] : /filan.c (Line) 983:19, 983:27

-> [Message] : Call to localtime is potentially dangerous

9-Use of potentially dangerous function

-> [Path] : /socat.c (Line) 1149:60, 1149:68

-> [Message] : Call to localtime is potentially dangerous

10-Comparison result is always the same

-> [Path] : /xio-named.c (Line) 72:7, 72:35

-> [Message] : Comparison is always false because call to Umask >= 0.

11-Comparison result is always the same

-> [Path] : /xio-openssl.c (Line) 1678:10, 1678:17

-> [Message] : Comparison is always false because ret <= -1.

12-Comparison result is always the same

-> [Path] : /xio-openssl.c (Line) 1619:10, 1619:17

-> [Message] : Comparison is always false because ret <= -1.

13-llvmlibc-restrict-system-libc-headers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 1:1

-> [Message] : system include stdlib.h not allowed

14-hicpp-deprecated-headers,modernize-deprecated-headers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 1:10

-> [Message] : inclusion of deprecated C++ header 'stdlib.h'; consider using 'cstdlib' instead

15-llvmlibc-restrict-system-libc-headers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 2:1

-> [Message] : system include stdio.h not allowed

16-hicpp-deprecated-headers,modernize-deprecated-headers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 2:10

-> [Message] : inclusion of deprecated C++ header 'stdio.h'; consider using 'cstdio' instead

17-llvmlibc-restrict-system-libc-headers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 3:1

-> [Message] : system include string.h not allowed

18-hicpp-deprecated-headers,modernize-deprecated-headers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 3:10

-> [Message] : inclusion of deprecated C++ header 'string.h'; consider using 'cstring' instead

19-llvmlibc-implementation-in-namespace

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 5:5

-> [Message] : declaration must be declared within the '__llvm_libc' namespace

20-modernize-use-trailing-return-type

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 5:5

-> [Message] : use a trailing return type for this function

21-llvmlibc-implementation-in-namespace

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 7:5

-> [Message] : declaration must be declared within the '__llvm_libc' namespace

22-modernize-use-trailing-return-type

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 7:5

-> [Message] : use a trailing return type for this function

23-misc-unused-parameters

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 7:14

-> [Message] : parameter 'argc' is unused

24-misc-unused-parameters

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 7:26

-> [Message] : parameter 'argv' is unused

25-cppcoreguidelines-avoid-c-arrays,hicpp-avoid-c-arrays,modernize-avoid-c-arrays

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 9:5

-> [Message] : do not declare C-style arrays, use std::array<> instead

26-cppcoreguidelines-avoid-magic-numbers,readability-magic-numbers

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 9:17

-> [Message] : 128 is a magic number; consider replacing it with a named constant

27-cppcoreguidelines-pro-type-vararg,hicpp-vararg

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 10:5

-> [Message] : do not call c-style vararg functions

28-cppcoreguidelines-pro-bounds-array-to-pointer-decay,hicpp-no-array-decay

-> [Path] : /home/heersin/Workspace/mine/SwarmRay/src/scanner-extern/tests/clang_test1.cpp (Line) 11:12

-> [Message] : do not implicitly decay an array into a pointer; consider using gsl::array_view or an explicit cast instead

NOTE OR COMMENT

1-cpp/empty-block

-> [Path] : vsnprintf_r.c (Line) 371:22, 373:8

-> [Message] : Empty block without comment

2-cpp/empty-block

-> [Path] : xiowrite.c (Line) 103:14, 104:8

-> [Message] : Empty block without comment

3-cpp/local-variable-hides-global-variable

-> [Path] : socat.c (Line) 1179:9, 1179:18

-> [Message] : Local variable timestamp hides [a global variable](1) with the same name.

4-cpp/local-variable-hides-global-variable

-> [Path] : socat.c (Line) 1132:24, 1132:33

-> [Message] : Parameter timestamp hides [a global variable](1) with the same name.

5-cpp/local-variable-hides-global-variable

-> [Path] : xio-named.c (Line) 104:9, 104:25

-> [Message] : Local variable opt_unlink_early hides [a global variable](1) with the same name.

6-cpp/local-variable-hides-global-variable

-> [Path] : xioinitialize.c (Line) 138:34, 138:38

-> [Message] : Parameter sock hides [a global variable](1) with the same name.

7-cpp/local-variable-hides-global-variable

-> [Path] : xioopts.c (Line) 1768:29, 1768:40

-> [Message] : Parameter optionnames hides [a global variable](1) with the same name.

8-cpp/function-in-block

-> [Path] : xio-progcall.c (Line) 228:6, 228:32

-> [Message] : Functions should be declared at file scope, not inside blocks.

STYLE ISSUE

OTHER

1-Empty branch of conditional

-> [Path] : /vsnprintf_r.c (Line) 371:22, 373:7

-> [Message] : Empty block without comment

2-Empty branch of conditional

-> [Path] : /xiowrite.c (Line) 103:14, 104:7

-> [Message] : Empty block without comment

3-Local variable hides global variable

-> [Path] : /socat.c (Line) 1179:9, 1179:17

-> [Message] : Local variable timestamp hides ["a global variable"|"relative:///socat.c:74:19:74:27"] with the same name.

4-Local variable hides global variable

-> [Path] : /socat.c (Line) 1132:24, 1132:32

-> [Message] : Parameter timestamp hides [{"a global variable"}"relative:///socat.c:74:19:74:27"] with the same name.

5-Local variable hides global variable

-> [Path] : /xio-named.c (Line) 104:9, 104:24

-> [Message] : Local variable opt_unlink_early hides [{"a global variable"}"relative:///xio-named.c:21:22:21:37"] with the same name.

6-Local variable hides global variable

-> [Path] : /xioinitialize.c (Line) 138:34, 138:37

-> [Message] : Parameter sock hides [{"a global variable"}"relative:///xioinitialize.c:15:12:15:15"] with the same name.

7-Local variable hides global variable

-> [Path] : /xioopts.c (Line) 1768:29, 1768:39

-> [Message] : Parameter optionnames hides [{"a global variable"}"relative:///xioopts.c:146:22:146:32"] with the same name.

8-Function declared in block

-> [Path] : /xio-progcall.c (Line) 228:6, 228:31

-> [Message] : Functions should be declared at file scope, not inside blocks.