

# Code Scan Report-[socat\_new]

15/04/2021 20:31:25

## 1. Visual



## 2.Top Vulnrable Files

Rank	File Path
1	/socat.c
2	socat.c
3	/xio-openssl.c
4	/xio-named.c
5	/filan.c
6	xio-openssl.c
7	xio-named.c
8	filan.c
9	/xio-progcall.c
10	/xioopts.c
11	/xiointialize.c
12	/xiowrite.c
13	/vsprintf_r.c
14	xio-progcall.c
15	xioopts.c
16	xiointialize.c
17	xiowrite.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.

## 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] : /xiointialize.c (Line) 138:34, 138:37

-> [Message] : Parameter sock hides [{"a global variable"}"relative:///xiointialize.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.