



main

298k Lines of Code • Version not provided • [Set](#)

⚠ The last analysis has warnings. [See details](#)

Quality Gate Status ?

✓ Passed



Enjoy your sparkling clean code!

Measures

Last analysis:

New Code Overall Code

Security

0 Open issues A

0 H 0 M 0 L

Reliability

4 Open issues E

3 H 1 M 0 L

Maintainability

363 Open issues

149 H 94 M

Accepted issues

0 🕒

Valid issues, but not fixed. They represent accepted technical debt.

Coverage

0.0% 🕒

On 6k New Lines to cover.

Duplications

0.2% 🕒

On 298k New Lines.

Security Hotspots

37

ACTIVITY

Issues ▼

There isn't enough data to generate an activity graph.

April 13, 2024 at 12:00 PM

Quality Gate: ✓









NOT PROVIDED

First analysis: 0 Issues • 0.0% Coverage • 0.2% Duplications

[See full history of analyses](#)

 Search for files...

Select files   

	Lines of Code	Bugs	Vulnerabilities	Code Smells	Security Hotspots	Coverage	D
 Final Project Software Security	—	—	—	—	—	—	
 contrib/gitian	162	0	0	6	2	0.0%	
 src	871	1	0	46	2	0.0%	
 tests	4,759	3	0	294	32	0.0%	
 translations	—	0	0	0	0	—	
 utils/python-rpc	1,745	0	0	14	0	0.0%	
  Dockerfile	44	0	0	3	1	—	

6 of 6 shown

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sonarqube

ProjectsIssuesRulesQuality ProfilesQuality GatesAdministrationMore

Q

Final Project Software Security / main

OverviewIssuesSecurity HotspotsMeasuresCodeActivityProject Settings

0.0% Security Hotspots Reviewed

To review

Acknowledged

Fixed

Safe

37 Security Hotspots

Review priority: High

Authentication2

"password" detected here, review this potentially hard-coded credential.

"password" detected here, review this potentially hard-coded credential.

Review priority: Medium

Denial of Service (DoS)2

Permission1

Weak Cryptography9

Review priority: Low

Log Injection1

Others22

37 of 37 shown

"password" detected here, review this potentially hard-coded credential.

Hard-coded credentials are security-sensitive python:S2068

Status: To review

This security hotspot needs to be reviewed to assess whether the code poses a risk.

Review

Where is the risk?

What's the risk?

Assess the risk

How can I fix it?

tests/functional_tests/wallet.py

Open

338seed =
'velvet lymph giddy number token physics poetry unquoted nibs useful sab
limits benches lifestyle eden nitrogen anvil fewest avoid batch vials wa
fences goat unquoted'
339res = wallet.restore_deterministic_wallet(seed = seed, filename
)
340assert res.address ==
'42ey1afDFnn4886T7196doS9GPMzexD9gXpsZJDwVjeRVdFCSoHnv7KPbBeGpzJBzHRCAs9
YbqSWYTFJJQAWDn'
341assert res.seed == seed
342
343wallet.close_wallet()
344res = wallet.open_wallet('test1', password = '')
345res = wallet.get_address()
346assert res.address ==
'42ey1afDFnn4886T7196doS9GPMzexD9gXpsZJDwVjeRVdFCSoHnv7KPbBeGpzJBzHRCAs9
YbqSWYTFJJQAWDn'
347
348res = wallet.change_wallet_password(old_password = '', new_passw
'foo')
349
350wallet.close_wallet()
351
352ok = False
353try: res = wallet.open_wallet('test1', password = '')
354except: ok = True
355assert ok
356
357res = wallet.open_wallet('test1', password = 'foo')
358res = wallet.get_address()
assert res.address ==
'42ey1afDFnn4886T7196doS9GPMzexD9gXpsZJDwVjeRVdFCSoHnv7KPbBeGpzJBzHRCAs9
YbqSWYTFJJQAWDn'

To review Acknowledged Fixed Safe

Make sure the regex used here, which is vulnerable to polynomial runtime due to backtracking, cannot lead to denial of service. [↗](#)

Using slow regular expressions is security-sensitive [python:S5852](#)

Review priority:  Medium

Category: Denial of Service

Assignee:

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☆ Final Project Software Security /  main  

Overview

Issues

Security Hotspots

Measures

Code

Activity

Project Settings 

"password" detected here, review this potentially hard-coded credential.

Review priority:  Medium

 Denial of Service (DoS) 2 


Make sure the regex used here, which is vulnerable to polynomial runtime due to backtracking, cannot lead to denial of service.

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 Permission 1 

 Weak Cryptography 9 

Review priority:  Low

 Log Injection 1 

 Others 22 

37 of 37 shown

src/device_trezor/trezor/tools/pb2cpp.py 

Open

```
50
51
52 def namespace_file(fpath, package):
53
54     """Adds / replaces package name. Simple regex parsing, may use
55     https://github.com/ph4r05/polyprotobuf later"""
56     with open(fpath) as fh:
57         fdata = fh.read()
58
59         re_syntax = re.compile(r"^syntax\s*=")
60         re_package = re.compile(r"^package\s+([^\s;]+?)\s*;\s*$")
```

Make sure the regex used here, which is vulnerable to polynomial runtime due to backtracking, cannot lead to denial of service.

```
59         lines = fdata.split("\n")
60
61         line_syntax = None
62         line_package = None
63         for idx, line in enumerate(lines):
64             if line_syntax is None and re_syntax.match(line):
65                 line_syntax = idx
66             if line_package is None and re_package.match(line):
67                 line_package = idx
68
```



0.0% Security Hotspots Reviewed ?

Make sure the regex used here, which is vulnerable to polynomial runtime due to backtracking, cannot lead to denial of service.

Make sure the regex used here, which is vulnerable to polynomial runtime due to backtracking, cannot lead to denial of service.

Permission 1 >

Weak Cryptography 9 ▾

Make sure that using this pseudorandom number generator is safe here.

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Using pseudorandom number generators (PRNGs) is security-sensitive [python:S2245](#)

Status: To review

This security hotspot needs to be reviewed to assess whether the code poses a risk.

Review

Review pr
⚠ Medium

Category:
Weak Cry

Assignee:
Not assign

Where is the risk?

What's the risk?

Assess the risk

How can I fix it?

tests/difficulty/gen_wide_data.py

Open

```
35         diff = (ddiff * DIFFICULTY_TARGET + dtime - 1) // dtime
36         times.append((yield diff))
37         diffs.append(diff)
38
39         random.seed(1)
40         time = 1000
41         gen = difficulty()
42         diff = next(gen)
43         for i in range(100000):
44             power = 100 if i < 10000 else 100000000 if i < 500 else 10000000000
45             time += random.randint(-diff // power - 10, 3 * diff // power + 10)
46
47         print(time, diff)
48         diff = gen.send(time)
```

Make sure that using this pseudorandom number generator is safe here.

0.0% Security Hotspots Reviewed ?

service.

Make sure the regex used here, which is vulnerable to polynomial runtime due to backtracking, cannot lead to denial of service.

Permission

1 >

Weak Cryptography

9 ▾

Make sure that using this pseudorandom number generator is safe here.

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Make sure that using this pseudorandom number generator is safe here.

Make sure that this logger's configuration is safe. [🔗](#)

Configuring loggers is security-sensitive [python:S4792](#)

Status: To review

This security hotspot needs to be reviewed to assess whether the code poses a risk.

Review

Review pr

Low

Category:

Log Inject

Assignee:

Not assign

Where is the risk?

What's the risk?

Assess the risk

How can I fix it?

src/device_trezor/trezor/tools/pb2cpp.py [🔗](#)

Open

```

167 """Remove given prefix from underscored name."""
168 leader = prefix + "_"
169 if s.startswith(leader):
170     return s[len(leader) :]
171 else:
172     return s
173
174
175 def main():
176     global PROTOC, PROTOC_INCLUDE
177     logging.basicConfig(level=logging.DEBUG)
178
179     parser = argparse.ArgumentParser()
180     # fmt: off
181     parser.add_argument("proto", nargs="+", help="Protobuf definition fi
182     parser.add_argument("-o", "--out-dir", help=
183     "Directory for generated source code")
184     parser.add_argument("-n", "--namespace", default=None, help=
185     "Message namespace")
186     parser.add_argument("-I", "--protoc-include", action="append", help=
187     "protoc include path")
188     parser.add_argument("-P", "--protobuf-module", default="protobuf", h
189     "Name of protobuf module")
190     parser.add_argument("-f", "--force", default=False, help=
191     "Overwrite existing files")
192     # fmt: on

```

Make sure that this logger's configuration is safe.