

opentext™

Fortify Security Report

11/3/25

Executive Summary

Issues Overview

On Nov 3, 2025, a source code review was performed over the 000 code base. 125 files, 15,590 LOC (Executable) were scanned and reviewed for defects that could lead to potential security vulnerabilities. A total of 1 reviewed findings were uncovered during the analysis.

Issues by Fortify Priority Order

| | |
|----------|---|
| Critical | 1 |
|----------|---|

Recommendations and Conclusions

The Issues Category section provides Fortify recommendations for addressing issues at a generic level. The recommendations for specific fixes can be extrapolated from those generic recommendations by the development group.

Project Summary

Code Base Summary

Code location: C:/Users/Lq0ne/source/repos/e0e1/result/LANCOME

Number of Files: 125

Lines of Code: 15590

Build Label: <No Build Label>

Scan Information

Scan time: 00:47

SCA Engine version: 25.3.0.0014

Machine Name: MORGAN2-WIN

Username running scan: Morgan Wang

Results Certification

Results Certification Valid

Details:

Results Signature:

SCA Analysis Results has Valid signature

Rules Signature:

There were no custom rules used in this scan

Attack Surface

Attack Surface:

Environment Variables:

null.null.null

System Information:

null.null.error

null.null.initBluetooth

null.null.lambda

null.null.resolve

Filter Set Summary

Current Enabled Filter Set:

Security Auditor View

Filter Set Details:

Folder Filters:

If [fortify priority order] contains critical Then set folder to Critical

If [fortify priority order] contains high Then set folder to High

If [fortify priority order] contains medium Then set folder to Medium

If [fortify priority order] contains low Then set folder to Low

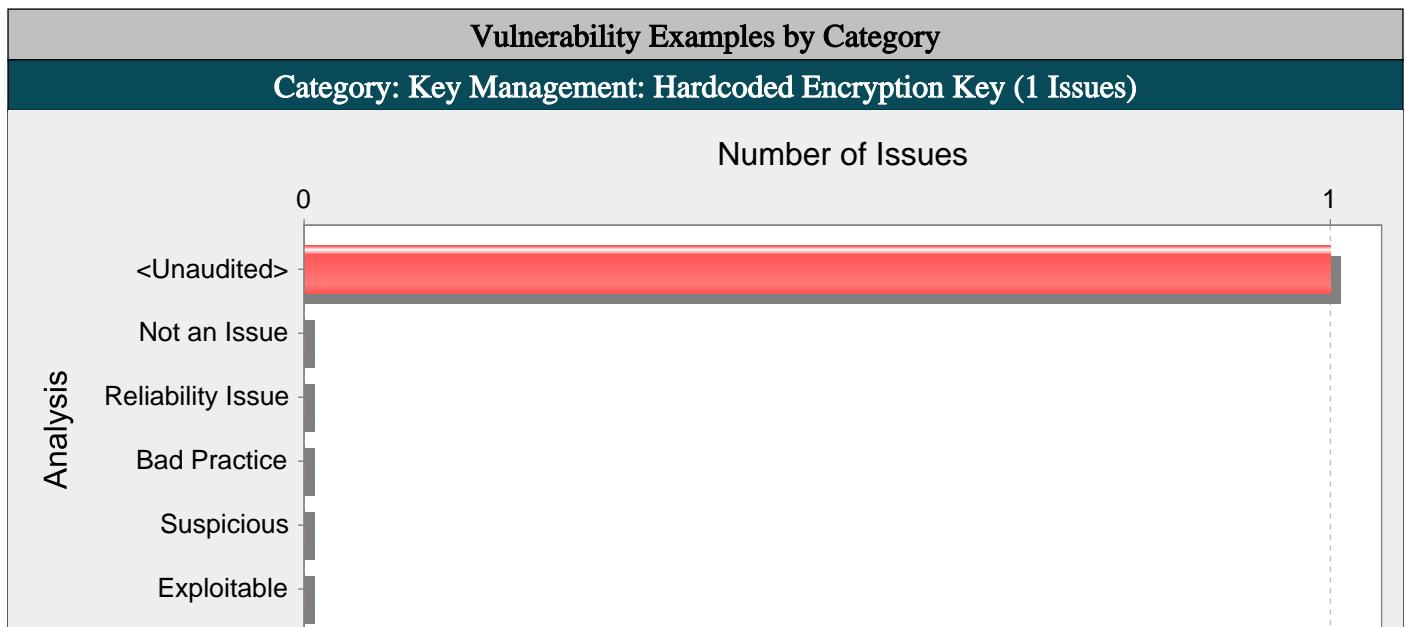
Audit Guide Summary

Audit guide not enabled

Results Outline

Overall number of results

The scan found 1 issues.



Abstract:

Hardcoded encryption keys can compromise security in a way that is not easy to remedy.

Explanation:

Never hardcode an encryption key because it makes the encryption key visible to all of the project's developers, and makes fixing the problem extremely difficult. Changing the encryption key after the code is in production requires a software patch. If the account that the encryption key protects is compromised, the organization must choose between security and system availability.

Example 1: The following example shows an encryption key inside a .pem file:

```
...
-----BEGIN RSA PRIVATE KEY-----
MIICXwIBAAKBgQCtVacMo+w+TFOm0p8MlBWvvXtVRpF28V+o0RNPx5x/1TJTIKEI
...
DiJPY2LNBQ7jS685mb6650JdvH8uQl6oeJ/aUmq63o2zOw=
-----END RSA PRIVATE KEY-----
...
```

Anyone with access to the code can see the encryption key. After the application has shipped, there is no way to change the encryption key unless the program is patched. An employee with access to this information can use it to break into the system. Any attacker with access to the application executable can extract the encryption key value.

Recommendations:

Never check in encryption keys to your source control system, and never hardcode them. Always obfuscate and manage encryption keys in an external source. Storing encryption keys in plain text anywhere on the system enables anyone with sufficient permissions to read and potentially misuse the encryption key.

submodule/modules/vmpMachine/index.js, line 1719 (Key Management: Hardcoded Encryption Key)

| | | | |
|--------------------------|--|---------------|----------|
| Fortify Priority: | Critical | Folder | Critical |
| Kingdom: | Security Features | | |
| Abstract: | Hardcoded encryption keys can compromise security in a way that is not easy to remedy. | | |
| Sink: | index.js:1719 | | |
| 1717 | return t.match(RegExp(r, "g")).join("\n") | | |
| 1718 | }, e.prototype.getPrivateKey = function() { | | |
| 1719 | var t = "-----BEGIN RSA PRIVATE KEY-----\n"; | | |
| 1720 | return t += e.wordwrap(this.getPrivateBaseKeyB64()) + "\n", t | | |
| | += "-----END RSA PRIVATE KEY-----" | | |

1721

```
}, e.prototype.getPublicKey = function() {
```

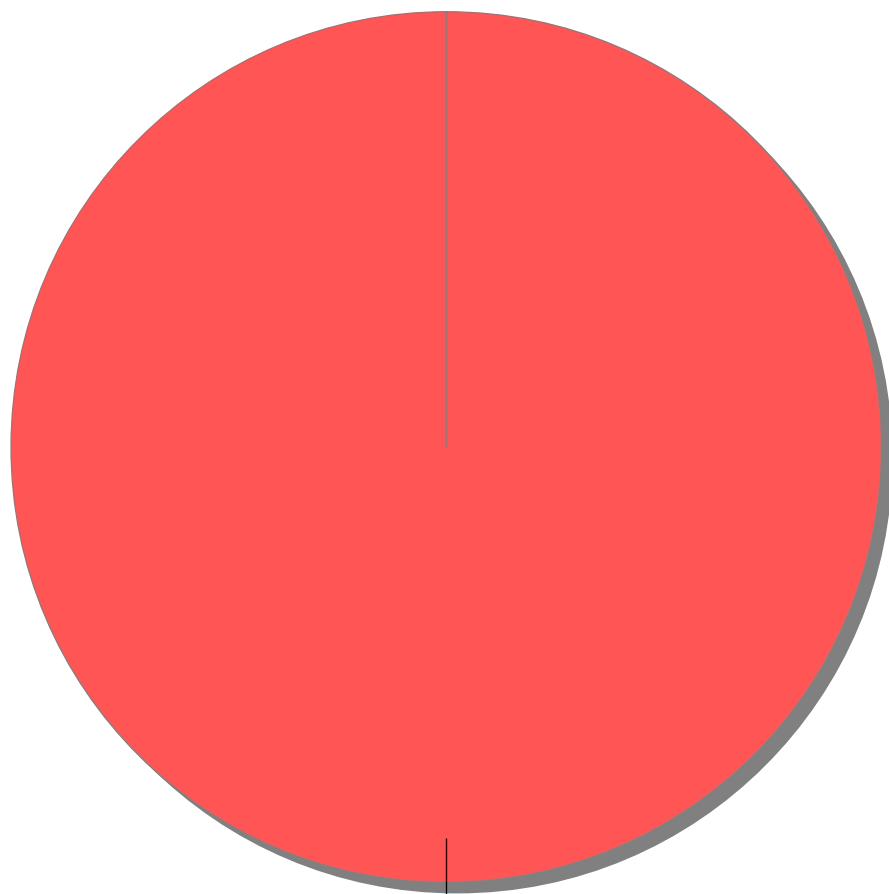
Issue Count by Category

Issues by Category

| | |
|--|---|
| Key Management: Hardcoded Encryption Key | 1 |
|--|---|

Issue Breakdown by Analysis

Issues by Analysis



<none>: (1, 100%)