**IT Health Check (ITHC)**

**ΩREPORT\_NAMEΩ**

DATE

Version: XXX

 Prepared by: **ΩCONSULTANT\_NAMEΩ**

Security Engineer Team (SET)

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# Document Version Control

|  |  |
| --- | --- |
| Data Classification: | OFFICIAL-SENSITIVE |
| Client Name: | ΩSHORT\_COMPANY\_NAMEΩ |
| Document Title: | ΩREPORT\_NAMEΩ |
| Author: | ΩCONSULTANT\_NAMEΩ |

# Document History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Issue Date | Issued By | Description |
| 0.1 | DATE | ΩCONSULTANT\_NAMEΩ | Draft. Internal only. |
|  |  |  |  |

# 

# Executive Summary

## Overview

The Security Engineering Team was tasked with performing an API security assessment as part of XXX. XXX provides functionality to allow XXX to do XXX. Of key interest to stakeholders regarding the security of XXX was XXX. During the API assessment, a number of issues were identified, including XXX. Immediate remediation of XXX is recommended to mitigate the risk of XXX.

## Total Issues

In total, XXX issues were identified during testing:

|  |  |
| --- | --- |
| CVSS Score | Title |
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# Description

Testing was carried out by ΩCONSULTANT\_NAMEΩ. The testing was conducted from XXX to XXX …

**Scope**

The scope of the assessment was to carry out a web application penetration against the XXX application covering mainly but not limited to the OWASP Top 10.

Testing was performed against the following URLs, which are part of the XXX environment:

* XXX

**Credentials**

The following sets of credentials were used as part of testing.

1. Credentials

**Consultant Machine Details:**

The consultant who conducted the test used a machine with the following details:

* External IPv4 address: XXX
* Internal IPv4 address: XXX
* Operating System: Kali Linux

**Caveats**

Some tests were not performed. Some access was not obtained. Some dates were missed. The environment was not ready etc.

**Standards Followed**

The following vulnerability categories (aligned with OWASP API Security Project) have been used for API related findings:

1. HTTPS
2. Access Control
3. JWT
4. API Keys
5. Restrict HTTP Methods
6. Input Validation
7. Content Type Validation
8. Management Endpoints
9. Error Handling
10. Audit Logs
11. Security Headers
12. Sensitive Information in HTTP Requests
13. HTTP Return Code

# Risk Ratings

CVSS is a vendor-independent industry open standard, which provides a universal method for rating IT vulnerabilities. It is designed to convey the severity of vulnerabilities, and to help organizations priorities their responses.

It should be stressed that quantifying the overall business risk posed by any of the issues found in any test is outside our remit. This means that some risks may be reported as high from a technical perspective but may, as a result of other controls unknown to us, be considered acceptable.

Not all vulnerabilities fall within CVSS. Issues that do not fall within the system’s scope are referred to as custom issues and have a risk rating severity of critical, high, medium, low or informational.

|  |  |  |
| --- | --- | --- |
| Rating | CVSSv3 Score | Explanation |
| CRITICAL | 9.0 - 10 | A vulnerability was discovered that has been rated as critical. |
|  |  | This requires resolution as quickly as possible. |
| HIGH | 7.0 - 8.9 | A vulnerability was discovered that has been rated as important. |
|  |  | This requires resolution in the short term |
| MEDIUM | 4.0 - 6.9 | A vulnerability was discovered that has been rated as of medium criticality. |
|  |  | This should be resolved as part of the ongoing security maintenance of the system. |
| LOW | 0.1 - 3.9 | A vulnerability was discovered that has been rated as of low criticality. |
|  |  | This should be addressed as part of routine maintenance tasks |
| NONE | 0 | Good security practices were being followed or an audit item was found to be |
|  |  | present and correct |

# 

# Detailed findings

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## πtitleπ

|  |  |
| --- | --- |
| Impact Rating: | Medium |
| Likelihood: | Unlikely |
| CVSSv3 Score: | πCVSS\_totalπ |

### Description

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### Details

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### Recommended Countermeasures

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