Author

CAST

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**CWE (2020) Top 25**

**Detailed Report**

Application Name –

Version –

CAST AIP -

|  |
| --- |
|  |
|  |

Monday, xx July 2012

My Application Name

Version Number

My CAST Version

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# Introduction

This assessment is an effort to determine the security health of the application and identify some of the root causes of current Security concerns, as well as any risks of future degradation. This assessment uses the CAST Application Intelligence Platform (AIP) to automatically scan the implementation of these applications to review the architecture, design, and code against CWE standards.

CAST AIP adapts the quality rules from best-in-class industry standards (OWASP, CWE, CISQ, STIG, PCI, NIST). With its unique ability to perform dataflow and system-level analysis (From Presentation layer to Database layer), CAST provides the most accurate security findings, reducing a lot of false positives.

## Application Characteristics

This assessment is focused solely on the technical implementation of the said application (user interface to database), with no investigation of the functionality.

|  |  |
| --- | --- |
| **Name** | **Value** |
| kLoC | 504 |
| Files | 6,586 |
| Classes | 593 |
| SQL Art. | 0 |
| Tables | 119 |

*Fig 1: Application Technology characteristics Table 1: Application characteristics*

# CWE (2020) Top 25 Summary

This section provides a summary of the most severe security vulnerability identified in the structural quality analysis and measurement by CAST AIP against the CWE Top 25 standard. Details about CWE Security Standard can be found [here](https://cwe.mitre.org/data/definitions/1200.html).

## CWE (2020) Top 25 Vulnerabilities Summary

Findings summary for CAST under CWE 2020 Top 25 Standards.

| CWE-2020-Top25 | Total Vulnerabilities | Added Vulnerabilities | Removed Vulnerabilities |
| --- | --- | --- | --- |
| CWE-22 | 0 | 0 | 0 |
| CWE-78 | 0 | 0 | 0 |
| CWE-79 | 0 | 0 | 0 |
| CWE-89 | 0 | 0 | 0 |
| CWE-… | 0 | 0 | 0 |

*Table 2: CWE Top 25 Rules*

# CAST Findings for CWE (2020) Top 25

List of CAST vulnerabilities for CWE (2020) Top 25.

| CAST Rules | Total Vulnerabilities | Added Vulnerabilities | Removed Vulnerabilities |
| --- | --- | --- | --- |
| Rule 1 | 0 | 0 | 0 |
| Rule 2 | 0 | 0 | 0 |
| Rule 3 | 0 | 0 | 0 |
| Rule 4 | 0 | 0 | 0 |
| Rule 5 | 0 | 0 | 0 |

*Table 3: CWE-2020-Top25* *Vulnerabilities*

# CAST Findings Details for CWE (2020) Top 25

|  |
| --- |
| Violations |
| No violation |

# Appendix

## About CAST Software Intelligence

Software Intelligence creates understanding into software architecture, end to end transaction flows, data access patterns and more, helping teams work confidently and faster. Hundreds of companies rely on CAST Software Intelligence to improve end-user satisfaction and time-to-market, prevent business disruption and reduce cost, enabling them to move past today’s obstacles and to tackle the next wave of innovation.

[Click here](https://www.castsoftware.com) for more information about CAST Software Intelligence.

## About CAST Security

Cyber risk and application security require a proactive and intelligence-driven approach. CAST Software Intelligence shifts insight into security strategy blind spots before development starts. With its unique ability to do dataflow and system-level analysis, CAST provides the most accurate security findings, reducing a lot of false positives. CAST Security rules are adapted from best-in-class industry standards – CISQ, CWE, OWASP, PCI-DSS, NIST, and STIG. To find out more about CAST Security, [click here](https://www.castsoftware.com/products/security-dashboard).