Author

CAST



**OMG-ASCQM Security**

**Detailed Report**

Application Name –

Version –

CAST AIP -

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|  |
|  |

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 OMG-ASCQM 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*

# OMG-ASCQM Security

This section provides a summary of the most severe security vulnerability identified in the structural quality analysis and measurement by CAST AIP against the OMG-ASCQM standard. Details about OMG-ASCQM Security Standard can be found [here](https://www.omg.org/spec/ASCSM/).

## OMG-ASCQM Security Vulnerabilities Summary

Findings summary for CAST under OMG-ASCQM Security Standards.

| OMG-ASCQM-Security | Total Vulnerabilities | Added Vulnerabilities | Removed Vulnerabilities |
| --- | --- | --- | --- |
| ASCSM-CWE-22 | 0 | 0 | 0 |
| ASCSM-CWE-78 | 0 | 0 | 0 |
| ASCSM-CWE-79 | 0 | 0 | 0 |
| ASCSM-CWE-89 | 0 | 0 | 0 |
| ASCSM-CWE-… | 0 | 0 | 0 |

*Table 2: OMG-ASCQM Security summary table*

# CAST Findings for OMG-ASCQM Security

List of CAST findings related to OMG-ASCQM Security.

| 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: OMG-ASCQM Security* *Vulnerabilities*

# CAST Findings Details for OMG-ASCQM Security

|  |
| --- |
| 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).