

Eliminate vulnerabilities while improving performance

CASE STUDY

About the Customer

Federal Law Enforcement Agency

Context

The data is very sensitive and has stringent requirements for high levels of availability. The technology used is .NET(ASP.NET,C#) with Microsoft SQL 2008.

The Problem

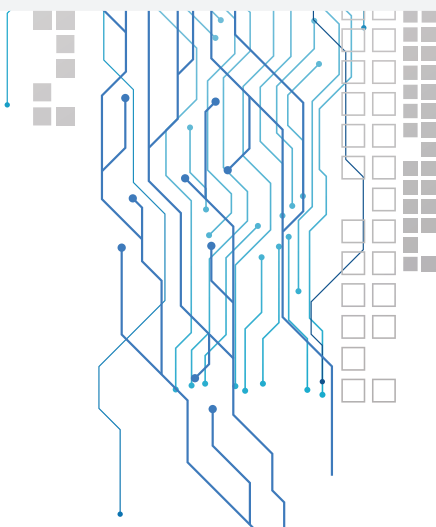
The customer manages the national crime database and related software. The system is subject to intense security audits and government oversight. In addition, the requirement for the availability of the system is very high. The customer wanted to improve the performance of the system besides identifying and fixing the security violations/flaws.

The Solution

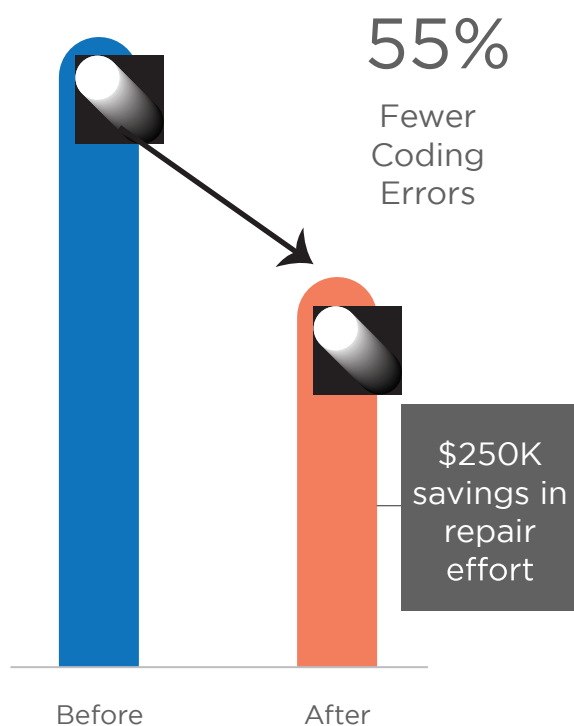
CAST implemented CAST AIP as a structural quality gate prior to production. CAST identified over 1500 critical violations across security and performance CAST AIP's early defect prevention reduced the effort spent in fixing coding errors by 55% which roughly translated to \$250K savings.

The performance of application improved by 67% after the flaws identified by AIP were fixed.

The number of vulnerabilities detected by appscan reduced by 90%

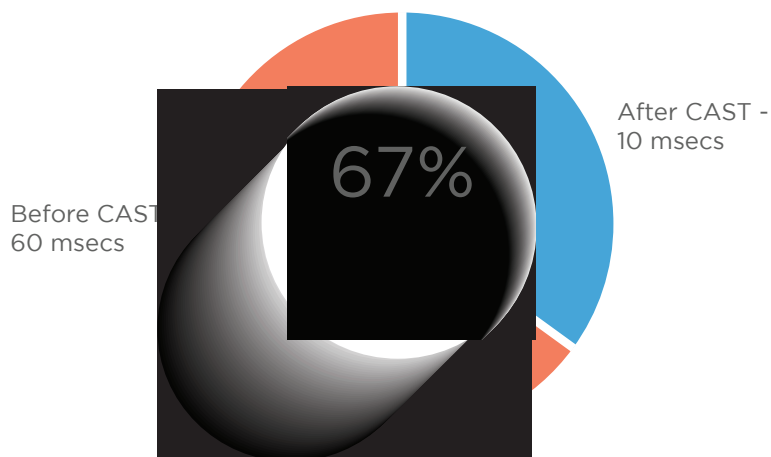


Early Defect Prevention

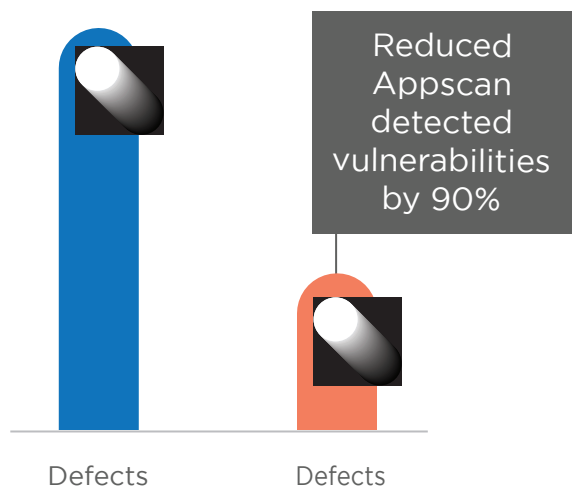


Performance Impact

Page load and search performance



Security Impact



About CAST

CAST is the software intelligence category leader. CAST technology can see inside custom applications with MRI-like precision, automatically generating intelligence about their inner workings - composition, architecture, transaction flows, cloud readiness, structural flaws, legal and security risks. It's becoming essential for faster modernization for cloud, raising the speed and efficiency of Software Engineering, better open source risk control, and accurate technical due diligence. CAST operates globally with offices in North America, Europe, India, China. Visit castsoftware.com.