KDM Analytics

BUSINESS CASE

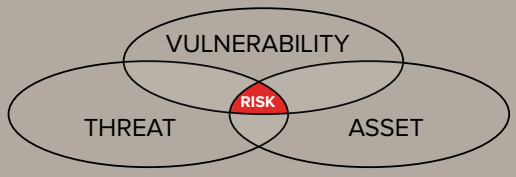
Quantify, Measure, & Prioritize CyberSecurity Risk

Automated Vulnerability Analysis for CyberSecurity Assessment

Reduces costs by 80% in customer's mission-critical applications

Synopsis

A global developer is revamping its Software Engineering processes with the KDM Analytics product suite to empower its development and verification teams with automated threat risk assessment (TRA) that quantifies and helps prioritize a system's exposure to cyber-attacks.



Targeted Vulnerability Analysis

Given the secure, mission-critical nature of our client's projects, each developer or development team works on a finite component related to the overall product or mission. The Blade TOIF product provides each developer or team with automated, prioritized, task-specific security reports.

Blade TOIF is configured to execute automated analysis on the complete mission build. Developers can import only the prioritized vulnerability reports that are specific to their contribution to the mission, adding to mission security.

Factual Assessments to Set Priorities

System Security Engineers can import all Blade TOIF prioritized vulnerability reports into an IDE such as Eclipse, review the data, make informed decisions, and work with each developer to act on flaws and potential security leaks.

This process also allows System Security Engineers to create reports that validate why a defect is—or is not—a vulnerability. This critical data is then logged in an Assessment and Authorization report as evidence, and allows decision makers to make **factual, evidence-based decisions** about the priority of specific risk management activities. The process is repeatable across multiple builds, missions and products.

80% Immediate Cost Savings

In addition to these advantages, our client's strategic utilization of commercial and open source tools through Blade TOIF, and its unified priority reporting reduced the overall costs of performing a vulnerability assessment by 80%.

Once a commercial toolset is integrated into Blade TOIF, unified prioritized reporting, for all tools used in the analysis becomes available to all developers.

The use of the complete suite of KDM Analytics products ensures a high level of security in a development environment. When combined, Blade TOIF and Blade Risk Manager provide both top-down and bottom-up risk assessment that is repeatable across missions and products in an automated manner.

This is the only automated cybersecurity risk management solution to provide a combination of evidence-based measurement, vulnerability analysis, threat and risk assessment, and risk prioritization.

Industry Sectors

- Defense Contracting
- Civil Aviation
- Aeronautics

Net Results: By using Blade TOIF our client reduced the overall cost of vulnerability assessment from $500,000 to $100,000.

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