KDM Analytics

PRODUCT INFO

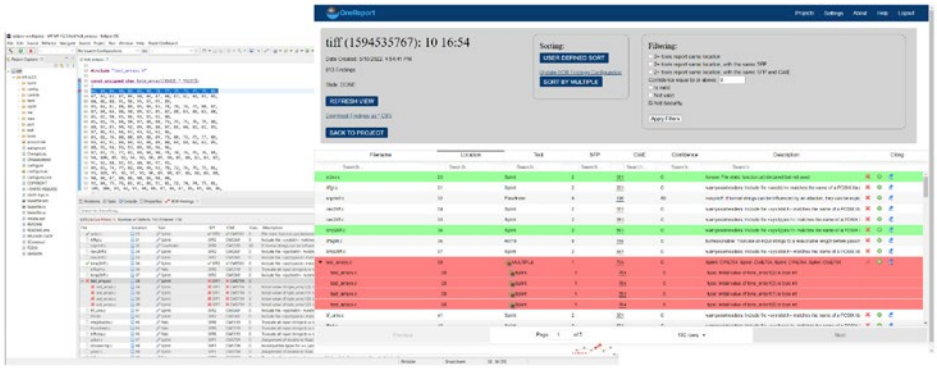
Automate to Rapidly Prioritize and Quantify Cyber Risk

Blade OneReport

Composite Vulnerability Analysis Platform

Overview

Blade OneReport (BOR) is a powerful composite vulnerability analysis and detection platform that improves breadth and accuracy. It provides a standards-based environment to integrate the outputs of multiple vulnerability analysis tools in a single uniform report. BOR leverages Object Management Group (OMG) Software Assurance Ecosystem standards, Software Fault Patterns (SFPs), and Common Weakness Enumerations (CWEs).



Composite Vulnerability Analysis & Reporting

BOR's plug-and-play environment provides a foundation for composite vulnerability analysis by normalizing, semantically integrating, and collating findings from existing vulnerability analysis tools.

- Improves breadth and accuracy of off-the-shelf vulnerability analysis tools.
- Provides powerful vulnerability analysis and management environment for analyzing, reporting, and fixing discovered weaknesses.

Seamless Integration

Out-off-the-box, BOR seamlessly integrates into the Eclipse Development Environment and with six open-source Static Code Analysis (SCA) tools:

- CppCheck
- Flawfinder
- RATS
- Splint
- SpotBugs
- Jlint

It enables strategic use of commercial and open-source vulnerability analysis tools and, in conjunction with its unified priority reporting, reduces the overall costs of performing a vulnerability assessment by 80%.

BOR Key Capabilities

Composite vulnerability analysis platform

- Seamless integration of multiple vulnerability detection tools
- Findings are normalized, correlated, & collated
- Prioritized reporting based on SFPs & CWEs with weighted results
- Improved breadth & accuracy of vulnerability analysis

SCA tool integration

- Out-of-box integration with: CppCheck, Flawfinder, RATS, Splint, SpotBugs and Jlint
- Dynamically load additional SCA tools

Reporting results

- Filtered results based on user-defined project
- Scoping and prioritizing results based on user preferences reports

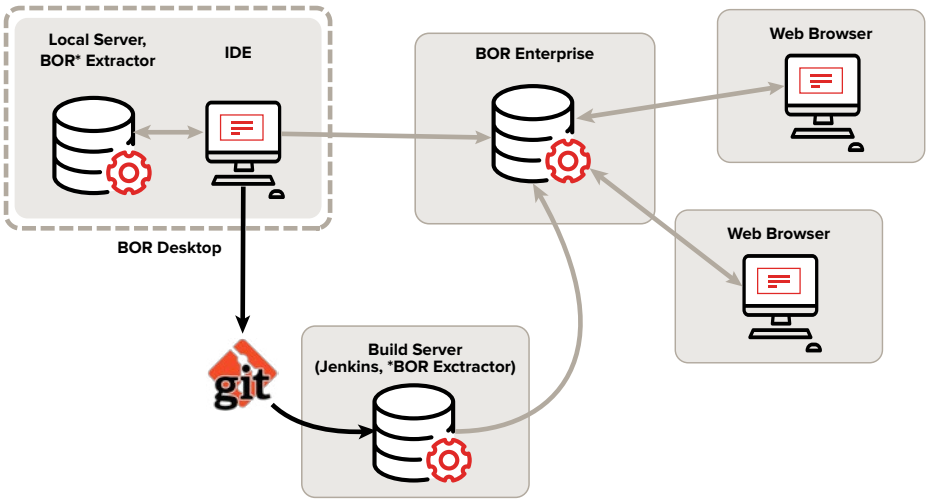
Team collaboration environment

- Web-based interface for management of results, users and projects
- Role-based access (OAuth 2.0)
- Citing data shared services
- Integration of citings by multiple users
- Tracking previously cited results
- Export/import capabilities of results

KDM Analytics makes risk assessment systematic, comprehensive, and repeatable.

Blade OneReport

Composite Vulnerability Analysis Platform



BOR utilizes OMG Tools Output Integration Framework (TOIF), a standards-based protocol for the integration of SCA tools. This enables the integration of vulnerability detection into the architectural context to improve the rigor of assessment.

When combined, BOR and Blade RiskManager (BRM) provide both top-down and bottom-up risk assessment that is repeatable across missions and products in an automated manner.

Operational Impact Analysis analyzes systems and services in an operational context; identifies access points, interconnections, and interdependencies; ascertains attack vectors and multi-stage attacks; determines operational impact by system component, asset, and attack vector; identifies vulnerabilities; and, suggests optimal controls and countermeasures to mitigate vulnerabilities and reduce susceptibilities

System Vulnerability Analysis evaluates assets with the highest operational impact against identified vulnerabilities; identifies the riskiest components; and, provides prioritized vulnerability characterization

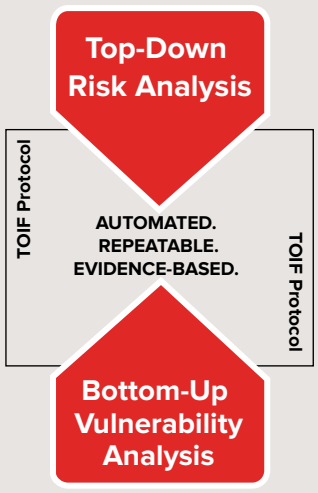
BOR Deployment

Client/server architecture

- Desktop deployment within IDE
- Datacenter deployment with web-based interface
- Docker deployment, auto detection, and configuration of SCA tools

Build environment integration

- Jenkins plugin
- File & build artifacts preprocessed for more precise results
- User-configurable integration



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