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. It 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-of-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 utilizes OMG Tools Output Integration Framework (TOIF), 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 Risk Manager 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.

This comprehensive cybersecurity risk management solution includes:

- Automated risk analysis
- Automated vulnerability detection and analysis
- Traceability
- Measurement and prioritization that make it easy to plan how to best leverage the risk management budget and resources for greatest impact.

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.

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