KDM Analytics

PRODUCT INFO

Automate to Rapidly Prioritize and Quantify Cyber Risk

Blade RiskManager

Digital Risk Assessment at Industrial Scale for OT & IT Systems

Overview

Blade RiskManager (BRM) is a fully automated risk assessment and measurement platform to identify, prioritize, and focus risk mitigation efforts.

Designed in collaboration with the U.S. Air Force, BRM substantially reduces the time and cost of cyber risk assessment. It automates risk analysis and is a one-stop source to store, manage, and trace all evidence regarding operational and system risk.

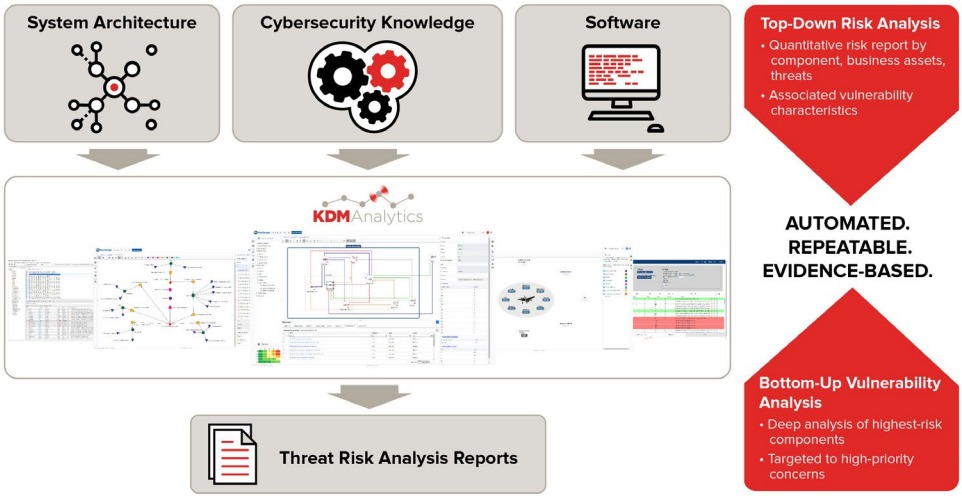
Organizations benefit from a risk assessment solution that is proven and repeatable across a variety of systems, assets, and components. BRM effectively reduces overall lifecycle development costs and improves confidence in decision-making related to cybersecurity risk management and mitigation.

Repeatability for Cost Effectiveness & Reporting

Understanding, assessing, and managing risk for today's complex cyber systems can be costly and laborious. In many instances, the process is *ad-hoc* and unique to every system, organization, or risk assessment professional.

BRM solves this by automatically, systematically, and comprehensively identifying multi-stage attacks and application vulnerabilities regardless of platforms, assets, systems, or sub-systems.

A Unique Approach to Risk Analysis



BRM Key Capabilities

Automated threat risk vulnerability assessment

- Evidence based risk assessment

Support for automated import formats & their validation

- System facts: UAF; SysML; CSV; MS tables
- Security controls: CSV
- Generate error reports on system's input data

Visualization

- Automatically generated system diagram from imported data with support for manual adjustments
- Automatically constructed & displayed attack tree depicting direct & multi-stage attack paths
- Automatically identified & displayed attack surfaces & attack vectors

Support for multiple standardized frameworks

- NIST Risk Management Framework
- Cyber Security Framework
- Cyber Resiliency/System Survivability & others
- Automatically generates Security Requirements Reports, including on a per identified risk

Automated risk computation and mitigation

- Outputs NIST 5x5 risk matrix
- Support for variety of Security Control Catalogs: NIST 800-53, CNSS1 1253, ITSG-33

Automated risk distribution

- Per component, assets, attackers ...

Automated identification of vulnerabilities

- Detects & characterizes operations/systems susceptibility
- Integration with software vulnerabilities

Customizable knowledge base

- Tailoring to industry, and family of systems

Support for manual adjustments

- Group and adjust multiple attacks & undesired events by various characteristics

Automated customizable report generation

"KDM's Blade RiskManager reduces assessment time, optimizes RMF execution, and assures all viable threat vectors have been evaluated and quantified for cyber risk."

— Cyber Survivability Expert, Aerospace

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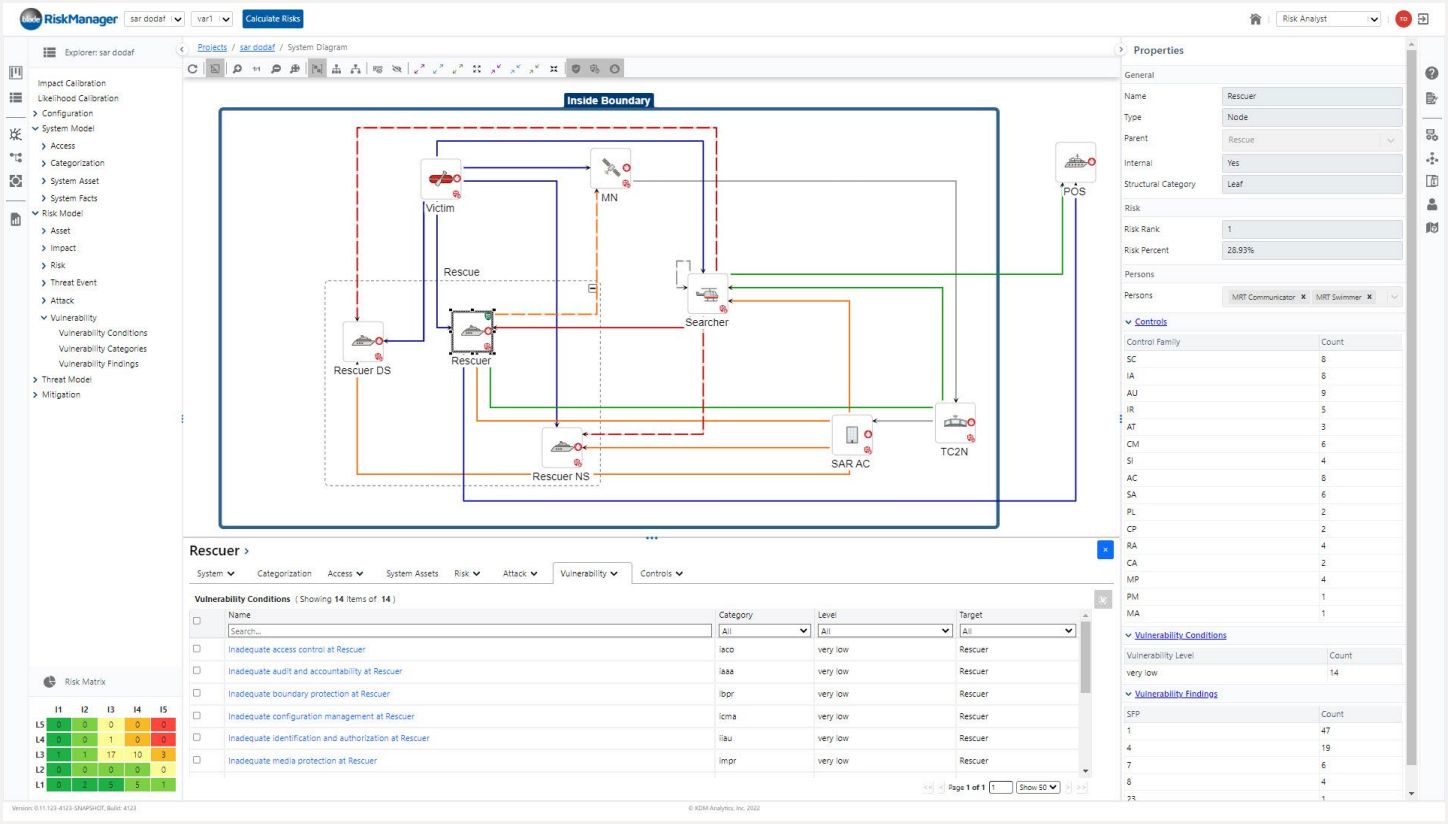

Prioritization for Better Resource Management

BRM's operational perspective enables organizations to identify and focus security assessment and risk mitigation to the most critical and risky components of a system. Its operational perspective provides a better means of prioritizing the importance of risks and threats and makes system-based, bottom-up vulnerability scanning approaches more targeted. This mitigates the ad-hoc nature of cybersecurity mitigations and ensures that resources are applied to the most impactful areas.

Automated Analysis for Improved Prioritization

To ensure that threats and vulnerabilities are quantified and prioritized, BRM minimizes human interpretations, which can be influenced by a lack of knowledge, personal bias, errors and omissions, and discretionary misconceptions. BRM's automated analysis is evidence-based and mitigates errors and omissions that result from erroneous interpretation.

Combining BRM with our vulnerability analysis product, Blade OneReport, builds a comprehensive cybersecurity management solution that 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.

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

KDM Analytics

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