KDM Analytics

PRODUCT INFO

Quantify, Measure, & Prioritize CyberSecurity Risk

Blade RiskManager

Automated CyberSecurity Assessment

Overview

Blade RiskManager (BRM) is a powerful risk identification and measurement product that provides a top-down operational view of cybersecurity risk. It adheres to and automates the NIST Risk Management Framework (RMF) Assessment workflow.

BRM includes an Analysis Engine for automated risk analysis and 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 critical challenge by fully automating risk analysis and identifying multistage attacks and application vulnerabilities regardless of platforms, assets, systems, or sub-systems.

Mr. Harrell Van Norman, Cybersecurity Tech Expert/SCA for Aircraft Systems, United States Air Force: "The USAF benefits from KDM Analytics automated risk management tools by cost-effectively assessing cyber threat, vulnerability and risk for our Aircraft Systems. Blade RiskManager applies Model-Based Systems Engineering to automate Model-Based Risk Management for assessing mission and system cyber risk based on threat modeling and vulnerability analysis. It reduces assessment time, optimizes RMF execution, and assures all viable threat vectors have been evaluated and quantified for cyber risk."

BRM Key Capabilities

Automated RMF Assessment Workflow

- Evidence based risk assessment

Support for automated import formats

- Systtem Facts: DoDAF/UAF; CSV; MS tables
- Security Controls: CSV
- Graphical Image of System: JPEG; PNG; GIF

Automated import validation

- Provide error reporting on system's input data

Support for image maps

- System image with navigational capabilities
- Dynamic display of risk results on System image

Support for safeguards

- NIST 800-53 Security Controls & mitigations
- Automatically generates Security Requirements Report

Automatically build attack tree

- Automated identification of direct & multi-stage attacks and attack paths

Automated risk computation

- Outputs DoD 5x5 risk matrix
- Residual and non-compliance risk

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, family of systems and individual system

Support for manual adjustments

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

Automated report generation

- Template-driven & customizable

KDM Analytics helps to answer the most important question of cybersecurity risk management: where should you focus your budget and resources?

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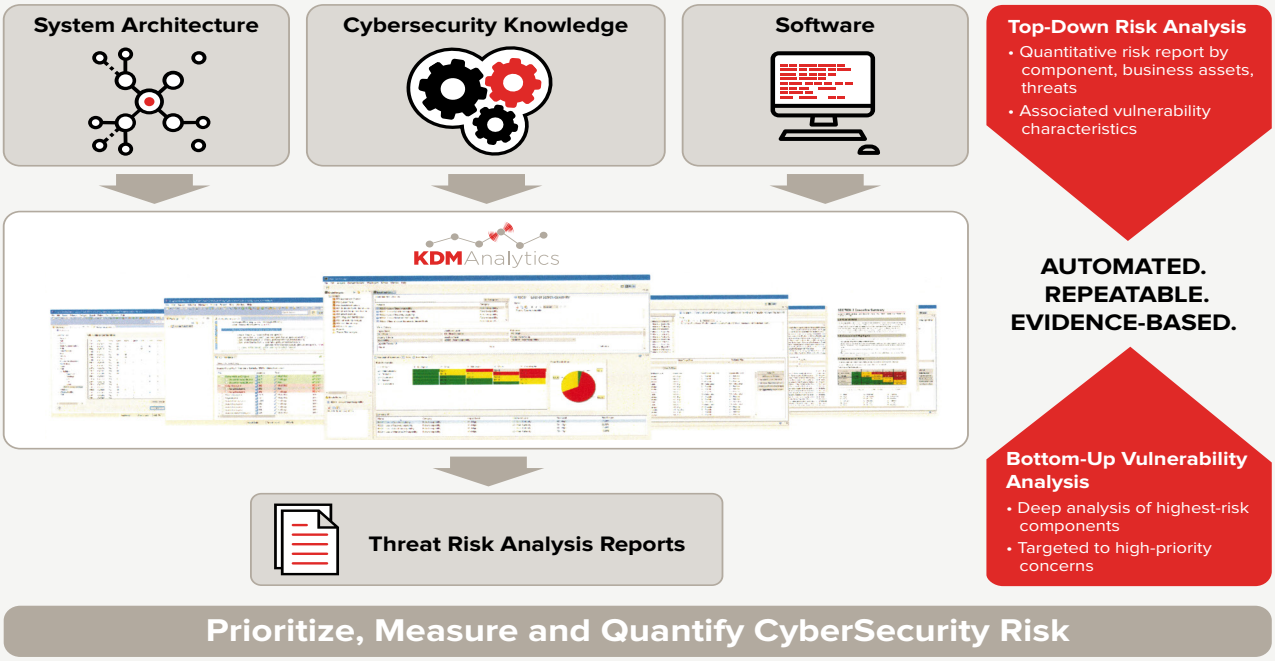
A Unique Approach to Risk Analysis



Prioritize, Measure and Quantify CyberSecurity Risk

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. An operational perspective also provides a better means of prioritizing the importance of risks and threats, and causes system based, bottom-up approaches to be more targeted. This mitigates the ad-hoc nature of cybersecurity 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 empirical and mitigates errors and omissions resulting from erroneous interpretation.

Combining BRM with our vulnerability analysis product, Blade TOIF, 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

For more information, please visit www.kdmanalytics.com or contact us at info@kdmanalytics.com

Washington, DC, U.S.A.
Phone: (202) 756-2488
Fax: (866) 238-0184

Ottawa, Ontario, Canada
Phone: (613) 627-1010
Fax: (866) 238-0184