



## IBM QRadar Security Intelligence Platform: A Risk Management Framework Continuous Monitoring Solution

In today's volatile, cyber security environment, security controls require continuous monitoring and risk management compliance. QRadar provides seamless, integrated management of disparate capabilities under one system.

Risk management was built and evolved from several key publications, including:

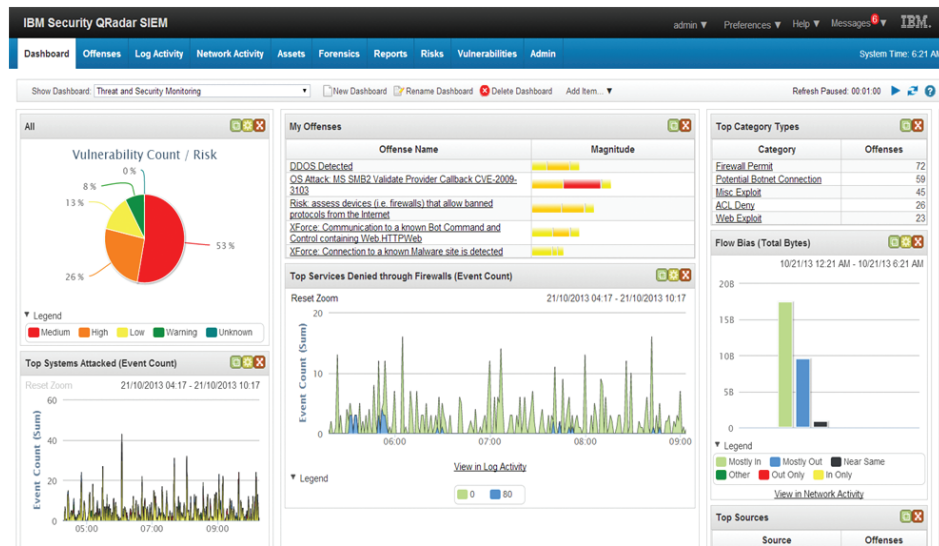
- 800-37** Guide for Applying the Risk Management Framework to Federal Information Systems
- 800-39** Managing Information Security Risk
- 800-30 Rev 1** Guide for Conducting Risk Assessments
- 800-53 Rev 4** Security and Privacy Controls for Federal Information Systems and Organizations
- DODI 8510.01** Risk Management Framework for DoD Information Technology

The Risk Management Framework (RMF) is a required shift in the way security controls are evaluated. The RMF provides a six-step structure, initially outlined in 800-37, necessary to manage today's cyber security environment.

- 1. Categorize** information systems and information processed, stored, and transmitted by that system based on impact analysis.
- 2. Select** an initial set of baseline security controls for the information system based on the security categorization; tailored to security control baseline requirements and conditions.
- 3. Implement** the security controls and describe how the controls are employed within the operational environment.
- 4. Assess** the security controls using appropriate procedures to evaluate their effectiveness and ensure desired results are met.
- 5. Authorize** information system operation based on each control's risk determination to the organization and decide if risk is acceptable.
- 6. Monitor** the security controls continuously to collect information, evaluate effectiveness, document operational changes, and conduct impact analysis. This is also inclusive of reporting the overall security state to appropriate organizational officials.



QRadar leverages automation to help organizations deploy an RMF environment. Deployments are further enhanced with machine learning benefits provided by IBM's Watson for Cyber Security cognitive computing service. In addition to compliance reporting, automated incident response can be invoked for attempted network intrusions or unauthorized data exfiltration.



### For more information

To learn more about the IBM QRadar Security Intelligence Platform, contact your IBM representative or visit: [ibm.com/security](http://ibm.com/security)