

Security Posture and Risk Management

Prioritize and Report McAfee Vulnerability Manager Results Based on Risk

The risk associated with vulnerabilities can be reduced by firewalls that block access or that prevent a hacker from using the vulnerability to penetrate deeper into the network. RedSeal Vulnerability Advisor analyzes the results of McAfee® Vulnerability Manager in the context of the network to prioritize vulnerabilities requiring attention and offer network mitigation options.

Business Problem

Most large enterprises identify thousands of vulnerabilities every time they conduct a vulnerability assessment. But scanning for vulnerabilities is only the first step—figuring out which vulnerabilities truly matter is the subsequent challenge.

- Is critical financial information at risk because a vulnerability is exposed to the Internet or extranet?
- Has a vulnerability already been effectively mitigated with network-level controls?
- Do vulnerabilities in minor systems allow a hacker to leapfrog to more critical systems?

Prioritizing remediation efforts according to risk is essential to effective vulnerability management. To do this, security organizations need to take into account the exposure and protection provided by their network infrastructure.

McAfee and RedSeal—Solution and Benefits

McAfee Vulnerability Manager quickly and accurately finds vulnerabilities and violations on your networked systems. By combining vulnerability, threat, and asset criticality, McAfee Vulnerability Manager allows organizations to effectively create processes around efficient risk management. Vulnerabilities can be prioritized and managed using built-in ticketing and remediation functionality. Additionally, by integrating with McAfee ePolicy Orchestrator® (ePO™), McAfee's centralized security and compliance management framework, organizations can create extensive risk reports and dashboards that take into account known countermeasures.

RedSeal Vulnerability Advisor software integrates this vulnerability information and analyzes it in the context of network access to determine IT risk. RedSeal Vulnerability Advisor automatically retrieves XML-based scan and asset reports from McAfee Vulnerability Manager's web interface. To calculate the risk created due to a vulnerability, RedSeal evaluates:

- Direct exposure of a vulnerability to untrusted networks
- Indirect exposure of a vulnerability to untrusted networks through other vulnerable hosts
- The potential for a vulnerability to allow an attacker to leapfrog deeper into the network
- The business value of the vulnerable host
- The severity of a vulnerability based on the Common Vulnerability Scoring System (CVSS)

RedSeal Vulnerability Manager also offers the following capabilities:

- **Prioritizes vulnerabilities for remediation:** McAfee Vulnerability Manager identifies vulnerabilities that require immediate action. RedSeal assists in prioritizing these vulnerabilities by providing comprehensive reports that take into account upstream exposure, downstream risk, and overall risk to your business.

McAfee Compatible Solution

RedSeal Vulnerability Advisor 4.0 and higher and McAfee Vulnerability Manager 6.5 and higher.

