



EXECUTIVE SUMMARY

Mobile collaboration eliminates barriers in business communications but also creates new challenges and vulnerabilities for network security analysts and IT managers. The ability to comprehensively identify, report, and remediate wired and wireless network threats and events is an increasing business imperative.

The Network Assurance solution from Cisco and RSA integrates the RSA enVision platform with the location API on the Cisco® Mobility Services Engine (MSE) to enhance security event information management with location intelligence. Automating the collection of physical location data of users, incidents, and assets increases the efficiency of security and compliance tasks and reporting.

Partner Designation

- Cisco Technology Developer Partner

Associated Cisco Solutions

- Cisco Mobility Services Engine
- Cisco Context-Aware Mobility Software
- Cisco Unified Wireless Network

Customer Benefits

- Enriches the Security Operations Center with physical location data from the wired and wireless infrastructure and extends security risk analytics to identify mobile security threats, such as accidental or malicious associations, identity theft, and various other network attacks.
- Accelerates incident remediation by providing the detailed physical location of a specific incident.
- Enables asset loss prevention or theft recovery by recording the physical location of various wireless assets pre- and post-incident.
- Addresses current and future compliance reporting needs by integrating and storing the wireless physical location data into the RSA enVision LogSmart Internet Protocol Database (IPDB). The Network Assurance solution enables data mining of who, when, and where.

Targeted Industries

Multiple industries including:

- Healthcare
- Manufacturing
- Retail
- Education
- Finance

Geographical Regions Served

- Global

RSA Location-Aware Security Operations

Company Overview

RSA, the security division of EMC, delivers an information-centric approach to security that protects the integrity and confidentiality of information throughout its lifecycle—no matter where it moves, who accesses it, or how it is used. RSA offers industry-leading solutions in identity assurance and access control, encryption and key management, compliance and security information management, and fraud protection. These solutions bring trust to millions of user identities, the transactions they perform, and the data that is generated. With RSA, customers are confident that their information assets are protected, leaving them free to realize new business possibilities.

RSA Solution Description

Visibility into physical location of IT Infrastructure assets and users has always been a challenge for security analysts and IT administrators. Gathering physical location data is an expensive task, requiring administrators to manually discover and make an inventory of IT assets. It is also becoming increasingly difficult, given that wireless networking and portable devices are becoming standard in enterprise systems and applications. Lack of sufficient physical location data increases the time and expense of incident resolution, as well as the risk for mobile security threats.

The RSA enVision® platform transforms raw log data into critical information to help simplify compliance, enhance security, and optimize IT and network operations. Organizations with one security analyst or a global team of analysts running a Security Operations Center (SOC) can use enVision to effectively identify and monitor high-priority incidents in real time, manage them until each incident reaches closure, and report on the effectiveness of security measures, improving productivity and reducing risk. Enriched with network location data extracted from the Cisco Mobility Services Engine API, RSA enVision technology helps organizations gain better insight into network activity and events by:

- Monitoring high-risk incidents and hotspots with location behavior analysis
- Identifying the physical footprint of network events for faster remediation
- Enhancing compliance reporting

Core Components of the RSA Solution

The RSA enVision platform is a market-leading solution for security information and event management (SIEM), offering organizations a single, integrated 3-in-1 log management solution. RSA's enVision is designed for simplifying compliance, enhancing security operations and risk mitigation, and optimizing IT and network operations through the automated collection, analysis, alerting, auditing, reporting, and storage of all logs.

RSA enVision increases the effectiveness of security measures and resources, enabling the security team to focus on issues associated with high-priority assets. Functionality includes three key areas: 1) the ability to provide relevant, real-time information to security analysts; 2) streamlining incident handling; and 3) increasing the visibility of security measures.

- **RSA enVision appliances:** The security-hardened ES single appliance and LS distributed appliance efficiently handle log data collection, providing a range of support levels, from entry-level support to support for large enterprises. The RSA enVision platform appliances provide an ideal enterprise-class hardware complement to a highly scalable architecture.
- **LogSmart Internet Protocol Database (IPDB):** IPDB provides for the total collection of all raw logs for use in real-time monitoring, in proving compliance, and in forensic analysis. Unlike off-the-shelf, relational database technology that is optimized for structured data, LogSmart IPDB is designed for unstructured log data. As a result, highly efficient, highly scalable acquisition of All the Data™ from virtually all enterprise IP devices is done without filtering, normalizing, or data reduction. Installation is quick and noninvasive because log data is collected without device agents.

Related Cisco Products

The Network Assurance solution with RSA enVision is made possible by collecting asynchronous information sent by the Mobility Services Engine and syslog messages from wireless controllers and access points that are part of the Cisco Unified Wireless Network.

RSA enVision also collects information from various network and security infrastructure solutions such as Cisco IOS® Software, Intrusion Prevention System (IPS), and access control.

Core elements of the Network Assurance solution from Cisco include:

- **Cisco Unified Wireless Network:** This multipurpose network is the only unified wired and wireless network solution to cost-effectively address the wireless network security, deployment, management, and control issues that businesses face, in addition to providing context-aware mobility.
- **Cisco Mobility Services Engine:** This platform hosts the Cisco Context-Aware Mobility software that captures, stores, and analyzes contextual information such as location from multiple wireless networks. This appliance-based platform offers an open API for consolidating and supporting an array of mobility services across wireless and wired networks.
- **Cisco Context-Aware Mobility Software:** Contextual network information is captured, calculated, and stored by the Cisco Context-Aware Mobility Software module and is made available to the RSA enVision solution through the Cisco open API, which is based on Simple Object Access Protocol (SOAP) and XML protocol.

For More Information

RSA

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