PARTNER SOLUTION OVERVIEW

ARUBA & RAPID 7

Hiding In Plain Sight: Finding and Mitigating Bad Actors Before They Wreak Havoc Using Clearpass Policy Manager and Rapid 7 Insightvm For Endpoint Compliance

Enterprise IT and security teams today manage increasingly complex environments that are seeing exponential growth in the volume and diversity of devices connected to the network. As the number of networked devices increases, so do the number of attack surfaces through which threat actors capitalize on unpatched and/or unprotected endpoints. Left undetected, compromised devices can be launching points for gaining access to sensitive information and damaging data loss.

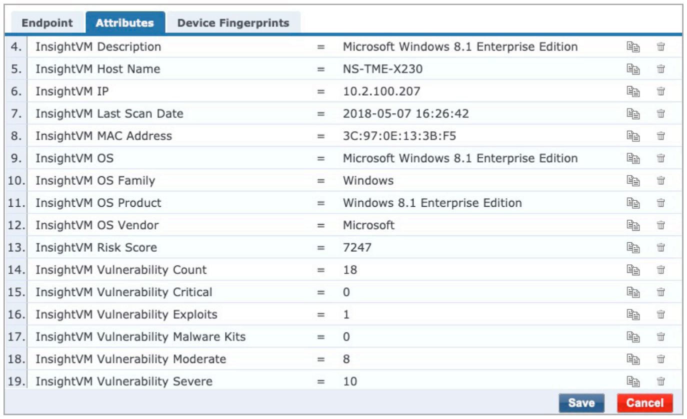
According to Hiscox, cyber attacks cost businesses of all sizes an average of $200,000, and cause 60% to go out of business within 6 months of being victimized[1]. To mitigate these loses, enterprises need visibility into and protection against these threats.

Aruba ClearPass Policy Manager provides role-based network access control for all devices on the network. ClearPass is the only policy platform that centrally enforces all aspects of enterprise-grade access security for any industry. Granular policy enforcement is based on a user's role, device type and role, authentication method, EMM/MDM attributes, device health, traffic patterns, location, and time-of-day.

ClearPass integrates with hundreds of hardware and software vendors, enabling organizations to leverage an existing IT and Security investment and utilize context from across the infrastructure for comprehensive policy-based access control. Aruba's 360 Security Exchange technology partner program supports a broad range of network security solution including enterprise endpoint management.

WHY ARUBA & RAPID 7?

- Mitigates risks for BYOD and enterprise endpoints
- Granular network access policies address device security posture, endpoint vulnerabilities, and the presence of malware
- Uses vulnerability assessments to alignnetwork edge policies with endpoint compliance
- Validated interoperability



4.	InsightVM Description	=	Microsoft Windows 8.1 Enterprise Edition
5.	InsightVM Host Name	=	NS-TME-X230
6.	InsightVM IP	=	10.2.100.207
7.	InsightVM Last Scan Date	=	2018-05-07 16:26:42
8.	InsightVM MAC Address	=	3C:97:0E:13:3B:F5
9.	InsightVM OS	=	Microsoft Windows 8.1 Enterprise Edition
10.	InsightVM OS Family	=	Windows
11.	InsightVM OS Product	=	Windows 8.1 Enterprise Edition
12.	InsightVM OS Vendor	=	Microsoft
13.	InsightVM Risk Score	=	7247
14.	InsightVM Vulnerability Count	=	18
15.	InsightVM Vulnerability Critical	=	0
16.	InsightVM Vulnerability Exploits	=	1
17.	InsightVM Vulnerability Malware Kits	=	0
18.	InsightVM Vulnerability Moderate	=	8
19.	InsightVM Vulnerability Severe	=	10

Aruba has partnered with Rapid7, a cloud-based visibility, analytics, and automation cybersecurity company, to integrate ClearPass Policy Manager and Rapid7 InsightVM to mitigate risks for connected devices. The joint solution supports tens of thousands of devices, and authentication services surpass the capabilities of legacy AAA solutions.

[1] "Hiscox Cyber Readiness Report 2019." Hiscox, 2019, www.hiscox.com/documents/2019-Hiscox-Cyber-Readiness-Report.pdf.

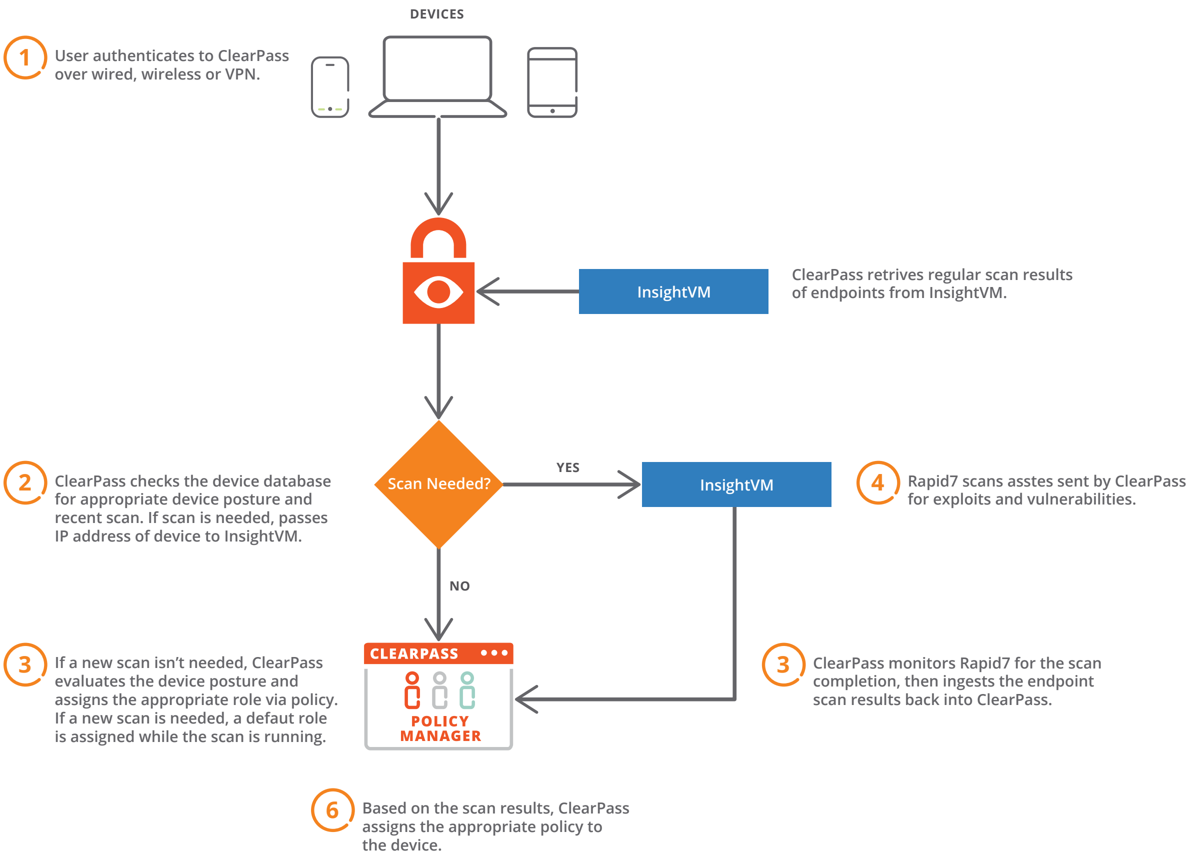
HOW IT WORKS

This joint solution helps reduce the attack surface and controls devices that access resources on the network, based upon dynamic scanning of the endpoint for vulnerabilities, malware, and exploits. The results of these scans are used to improve policy-based network access decisions, protecting against attackers seeking sensitive information. This solution is completely automated, evaluates all devices attempting to access the network, and then enforces the correct level of access (or no access).

JOINT VALUE PROPOSITION

Aruba ClearPass Policy Manager and Rapid7 Nexpose are integrated via mutually authenticated APIs, and share key information about endpoints that attempt to connect to the network. As a result, IT can enforce better policy-based network access decisions that account the most recent exploit and vulnerability scans. This helps ensure that devices meet corporate security standards and aren't introducing malware into the network.

- Compliance driven workflow that prevents non-compliant devices from connecting to the network
- End-to-end automation from the point of authentication to remediation
- API level integration speeds deployment, provides additional security, and helps address product, OS, and software release changes



1 User authenticates to ClearPass over wired, wireless or VPN.

ClearPass retrives regular scan results of endpoints from InsightVM.

2 ClearPass checks the device database for appropriate device posture and recent scan. If scan is needed, passes IP address of device to InsightVM.

4 Rapid7 scans asstes sent by ClearPass for exploits and vulnerabilities.

3 If a new scan isn't needed, ClearPass evaluates the device posture and assigns the appropriate role via policy. If a new scan is needed, a defaut role is assigned while the scan is running.

3 ClearPass monitors Rapid7 for the scan completion, then ingests the endpoint scan results back into ClearPass.

6 Based on the scan results, ClearPass assigns the appropriate policy to the device.

Figure 1: Aruba and Rapid7 Joint Solution Diagram

CERTIFIED INTEROPERABILITY

We've taken the guesswork out of how to protect your network from unauthorized, vulnerable, or non-compliant devices. Using an open platform API between both products, ClearPass ingests all of the known endpoints from InsightVM, this provides an authoritative source to the compliance state of endpoints on the network. Devices that are new and haven't been scanned can be temporarily quarantined until a scan is complete, or given limited access. Additionally, devices that have been away from the corporate network for an extended period of time, or that haven't been scanned, can be temporarily scanned before they are granted access to enterprise resources.

SUMMARY

Aruba's secure platform is the ideal way to support the protection of your network from non-compliant, unauthorized, or vulnerable devices. Contact your local sales representative to see how Aruba and Rapid7 deliver the most comprehensive endpoint vulnerability risk management and secure network access solution in the industry.

For more information on Aruba ClearPass, please visit:
https://www.arubanetworks.com/products/security/network-access-control/

For more information on Rapid7, please visit:
https://www.rapid7.com/

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