



Why Vulnerability Management is More Than Just Scanning and how it's different for ERP's?

Why ERPScan?

- ✓ **Complete.** Identify, Analyze and React on security issues including vulnerabilities, misconfigurations, and SOD violations.
- ✓ **Unique.** The only award-winning solution to address in 360° the SAP and Oracle security protection.
- ✓ **Detailed.** Largest database of 10000+ Security Checks.
- ✓ **Industry-specific.** Specific checks for industry solutions such as Oil and Gas, Retail, Banking, etc.
- ✓ **Cloud and SAAS support.** Can be implemented as a virtual appliance, in cloud or as SAAS.
- ✓ **Nonintrusive.** Doesn't require any agents or modification of SAP or Oracle Platforms.



SAP® Certified
Integration with SAP Applications

Problem

The most critical corporate data which is liable to espionage, sabotage, and fraud is stored in ERP systems and other business-critical applications. Those applications are, unfortunately, vulnerable to many attacks because they are extremely complex, highly customizable, and rarely patched. There are different areas of security for those systems: SoD, VA, Code Scanning, Log Management and Forensics. The existing security solutions embody very little SAP expertise. According to Gartner's Market Guide for Vulnerability Assessment 2014*: "In-depth assessments of databases and applications such as ERP systems (for example SAP or Oracle), especially, are not widely supported in traditional VA solutions, which focus on devices." The solutions focused on SAP are more effective but only cover one of the listed fields and can't provide 360-degree coverage of SAP and Oracle applications' security.

Solution

ERPScan Security Monitoring Suite for SAP and Oracle is unique in it's kind as it's the only solution to provide comprehensive vulnerability management workflow containign three basic steps: Identification, Analysis and Remediation to take control of Vulnerability, Configuration, Source Code Issues and Segregation of Duties violations. The solution offers unique capabilities for analyzing industry-specific SAP applications. ERPScan follows key trends for Vulnerability Management solutions mentioned in the Forrester's Market overview 2015.

According to Forrester's "Targeted Attack Hierarchy of Needs", S&R pros should on the first place adopt the new strategy where integration is a key component of vulnerability management.

Integration helps to gain valuable insights into proper prioritization, get a better picture of existent risks, reduce the amount of unnecessary work and decrease operational friction.

ERPScan's approach corresponds to these demands and makes it easier for CISO's to keep up with the latest vulnerability management trends as it addresses hands-on identification and remediation of security issues, and even goes beyond that.



Forrester Research highlights the 4 key trends, let's see how ERPScan proactively follows them:

- ✓ **Attack path modeling.** ERPScan offers the tool called "Advanced Threat Map" that maps network topology to show connections between the systems within the environment, which of them are vulnerable and what are the possible attack paths an attacker would choose.
- ✓ **Governance, Risk, and Compliance (GRC).** Vulnerability data collected by ERPScan can then be integrated with a GRC platform, to facilitate the workflow of risk analysis in the business context. The feature is available out of the box. Vulnerability Management results are exportable in XML and CSV formats which means that you can manage identified issues in such GRC solutions as, for instance, SAP GRC or Brinqa.
- ✓ **Remediation automation.** Managing vulnerabilities involves coordination between security and risk professionals and their infrastructure and operations (I&O) colleagues. After vulnerabilities are found, teams on both sides are to make sure patches for security issues are properly implemented and then validated for completion. ERPScan is able to export information about identified vulnerabilities into ITSM Systems. The feature of automating the processes of assigning tasks via SAP Solution Manager ITSM system is provided out of the box. Our internal API allows to create tasks in other solutions, such as BMC, Service Now and others.
- ✓ **Penetration testing.** Vulnerability scanning uncovers potential vulnerabilities in your environment, penetration testing, in turn, reduces the amount of false-positive results. It serves to determine which of the weaknesses are valid and exploitable. CISO's should know which of the vulnerabilities are actually exploitable. ERPScan does not only provide exploits to test vulnerabilities but also correlates results from 3 or more places, such as whitebox version checks, blackbox exploit checks and configuration parameters to provide the clearest results. In addition to that, our advanced risk correlation functionality prioritize vulnerabilities based on evaluation of correlations it has with other vulnerabilities to give you the best results.

Vulnerability Management Is More Than Just Scanning!

Other Analysts Saying

“As Attackers compromise the ever-expanding sections of organizations networks, retain long-term access, and venture deeper into corporate IT Resources, the attacks on ERP Systems are anticipated to Increase.

Anton Chuvakin, Gartner

“While SoD does in fact form a major part of SAP security, the scope of aspects to take into consideration for implementing and continuously maintaining secured, robust and reliable SAP systems goes beyond that. A more complete view of SAP security has to take at least two more aspects into account: Application platform security and Custom code Security.

Matthias Reinwarth, KuppingerCole

“Because over 75% of all transactions occur on business-critical applications, data from these systems is endlessly valuable to attackers.

Christian Christiansen, VP for Security Products & Services, IDC