Security Bridge™

SecurityBridge - Code Vulnerability Analyser
Lightweight yet powerful code analysis empowering DevSecOps

Executive Summary

Code Vulnerability Analysis is a core component of the SecurityBridge Platform and enables organizations to identify and eliminate malicious or vulnerable coding that exists in a production environment. Preventative and proactive products are not only available, but they are also highly effective in protecting sensitive data within SAP systems. Specialized security platform SecurityBridge for SAP uses the scan results to provide real-time alerting and to enable a statistical risk assessment, so that code vulnerabilities do not go un-noticed.

Challenge

9 out of 10 SAP-using enterprises do not use SAP as an off-the-shelf product. Intensive customization and customer-specific developments are usually applied to tailor the system to handle an organization's business operations. This work is usually done by external service providers, adding more complexity to the process. The introduction of code vulnerabilities, whether malicious or accidental, is hard to detect and often relies on manually executed code walk-throughs and peer reviews, which are laborious and subject to human error. By using specialized solutions such as SecurityBridge, which includes a Code Vulnerability Analyzer, rogue developers are identified, and malicious code is spotted long before it hits production.

COMPONENTS
- Code Vulnerability Analyser (CVA)

SOLUTION BENEFITS
- Powered by advanced technology for speed and accuracy
- Fully integrated into the development workflow
- Simple to see the critical access path
- Real-time vulnerability identification and alerting
- Mitigation guideline and extensive Knowledgebase
- Statistical data to facilitate a risk assessment

Available on the SAP App Center
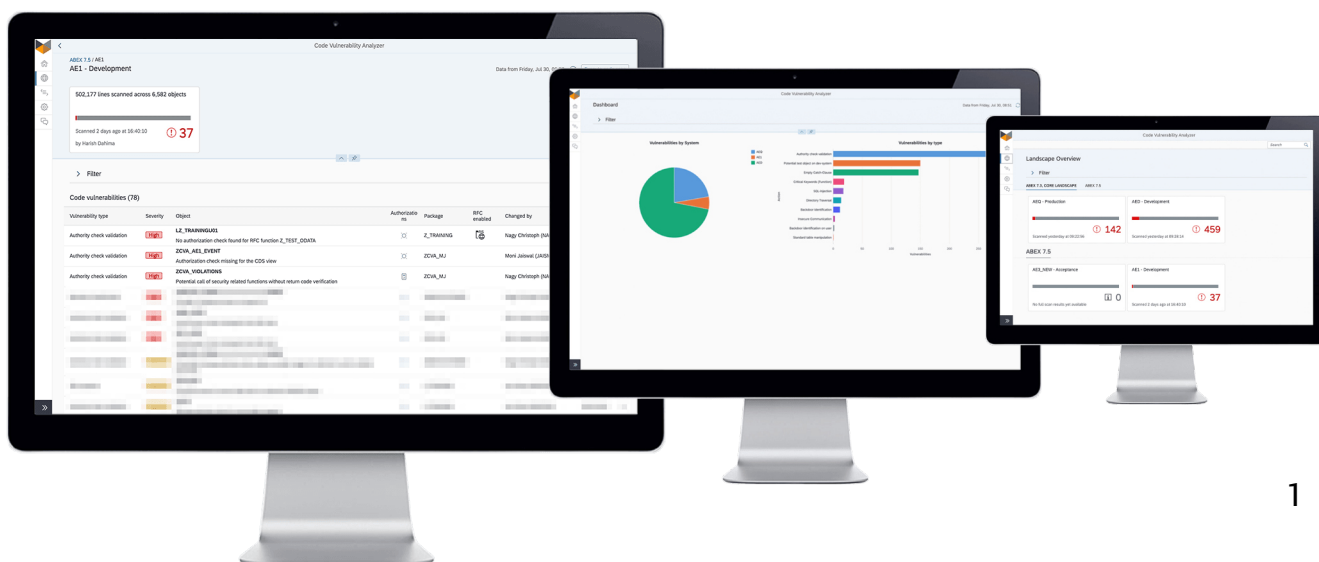
Solution Description

The SecurityBridge **Code Vulnerability Analyser** functionality runs automatically in a frictionless way, analysing code with the speed, accuracy and efficiency that would be impossible to replicate with a manual process. Addressing the challenges of code security with a built-in detection logic, the code vulnerability analyser vastly reduces false positives, giving the security team the data that they can actually rely upon.

SecurityBridge is fully integrated with SAP and does not need any additional hardware. To add to the elegant infrastructure, the code vulnerability analysis is also executed within SAP, and no sources need to be extracted to external systems.

Developers access the analyser directly from their Integrated Development Environment (IDE) like transactions SE38, SE80 or Eclipse for ABAP/4. Managers can see the results within the Risk Management view of the Security & Compliance module and gain an immediate understanding as to how their custom coding affects the company's overall security posture.

Solution Components

Enhancing the **SAP ABAP Test Cockpit (formerly Code Inspector)** with advanced code security scanning technology, increases efficiency and enhances speed-to-security. Security and development teams have the actionable intelligence they can leverage to remediate, before harm is done.

SecurityBridge Code Vulnerability Analyser neatly integrates with the SAP Development IDE and thus can be used directly during the development of code to assure the quality standards are met.
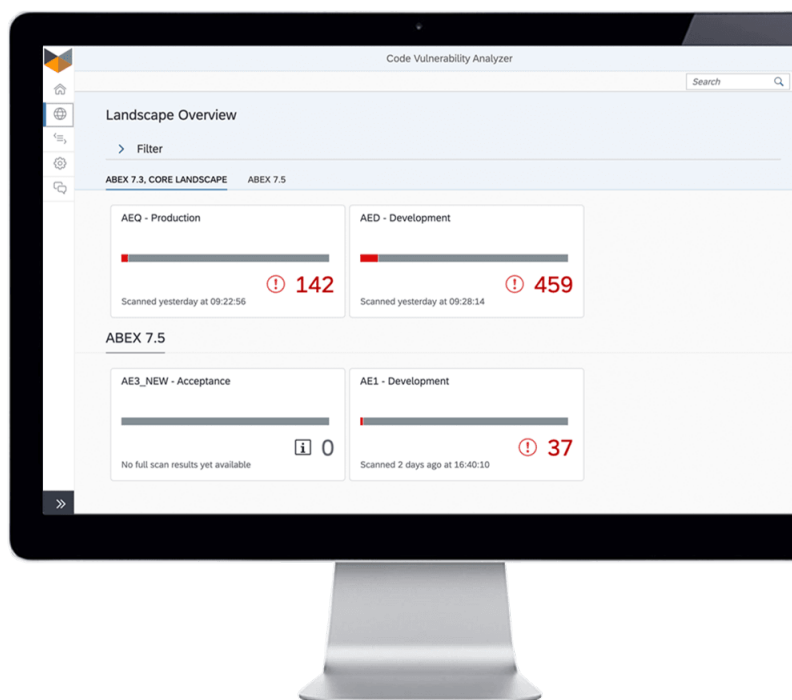
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