BUREAU VERITAS 1828

SECURITY INNOVATION
A BUREAU VERITAS COMPANY

Secure Architecture Review Service

Security Innovation is a leading provider of security consulting services, offering a comprehensive Secure Architecture Review to help organizations assess and strengthen the security of their applications.

Secure Architecture Review Overview:

The goal of a Secure Architecture Review is to create a Threat Model and Architecture Review document to mitigate each threat with clear proactive architecture choices that will reduce the overall attack surface and likelihood of a successful attack.

The Methodology:

Create a Threat Model

Identify key security requirements, threats, and application risks.

Investigate the application architecture and technology.

Document assets to protect, potential threats, attacks, and conditions for successful attacks.

Create a Secure Architecture Review Document

Provide high-level and technical-level issues and recommendations.

Describe overall security impressions and detailed remediation recommendations.

Provide individual problem reports for major vulnerabilities.

Devise a Risk Management Plan

Prioritize the implementation of mitigating controls to maximize security improvements.

Provide risk treatment recommendations (Avoid, Reduce/Remediate, Transfer, Accept) for each threat.

Benefits of "Shifting Security Left":

The earlier you find vulnerabilities, the cheaper they are to fix.
Identifying and addressing security issues during the architecture and design phase can significantly reduce the time and cost required to remediate them compared to doing so later in the development lifecycle.

Security is everyone's responsibility.
Involving security experts early in the development process promotes a culture of security awareness and shared responsibility among the entire team.

Secure by design, not by chance.
Proactively addressing security concerns during the architecture and design phase helps ensure that security is a fundamental part of the application, rather than an afterthought.

Test Tools:

Security Innovation utilizes a variety of tools and scripts to conduct the Secure Architecture Review, including:
IDA Pro, IBM AppScan, CheckMarx CxSuite, Nmap, Nessus, Nikto, Burp Suite, Sysinternals Tools, Wireshark, NetCat, dex2jar, JD-GUI, ILSpy, FuzzDB, Python, YASAT, SOAPUI, WhatTheFuzz, and more.

About Security Innovation/ Bureau Veritas

Security Innovation is a leader in software security, providing comprehensive assessment solutions to secure software from design to deployment, across all environments, including web, cloud, IoT, and mobile. Leveraging decades of expertise and as part of Bureau Veritas, a global leader in Testing, Inspection, and Certification, we seamlessly integrate world-class security into development processes, safeguarding the way companies build and deliver products.

Security Innovation is a Bureau Veritas company. Bureau Veritas (BV) is a publicly listed company specialized in testing, inspection and certification. BV was founded in 1828, has over 80,000 employees and is active in 140 countries.

Raising Your Cyber Resilience

Security Innovation's Secure Architecture Review service provides a comprehensive and methodical approach to assessing and improving the security of applications. By creating a Threat Model, providing a Secure Architecture Review Document, and devising a Risk Management Plan, Security Innovation helps organizations mitigate risks and strengthen the security of their applications. The benefits of finding vulnerabilities early and shifting security left are clear: it reduces costs, promotes a culture of security, and ensures that security is a fundamental part of the application design.

Interested?

Contact us today to start raising your cyber resilience.

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