Security Assurance Services For Healthcare Providers

Security Assurance - A High Priority for Healthcare Providers

Cybersecurity investments have been focused on tools and technology to support vulnerability identification, while remediation of an ever-increasing number of identified vulnerabilities has lagged behind. Challenges exist to manage the increasing complexity of a large number of servers, endpoints and applications.

Why are Healthcare Providers a Target?

Healthcare Organizations are complex with the use of information technology, operational and clinical technology of varying vintages creating an environment challenging to manage, maintain and protect, resulting in a wide number of threat vectors for malicious actors to exploit.

The reported **value of a health record** on the black market is up to $1300 while **social security** and **credit card numbers** are valued at less than $20 each.(1)

As of May 2022, HHS Office of Civil Rights estimates

331,752,088

patient names have been reported breached (1)

Source (1): https://ocrportal.hhs.gov/ocr/breach/breach_report.jsf (Downloaded 01/29/23)

Evolving IT Landscape

Security Assurance comprising of vulnerability identification, patch updates and secure coding are not new security problems. Over the past couple of years IT Modernization programs have only gained pace which has resulted into never-ending onslaught of new security vulnerabilities. Most organizations are overwhelmed with vulnerabilities, creating a weak attack surface across infrastructure and applications.

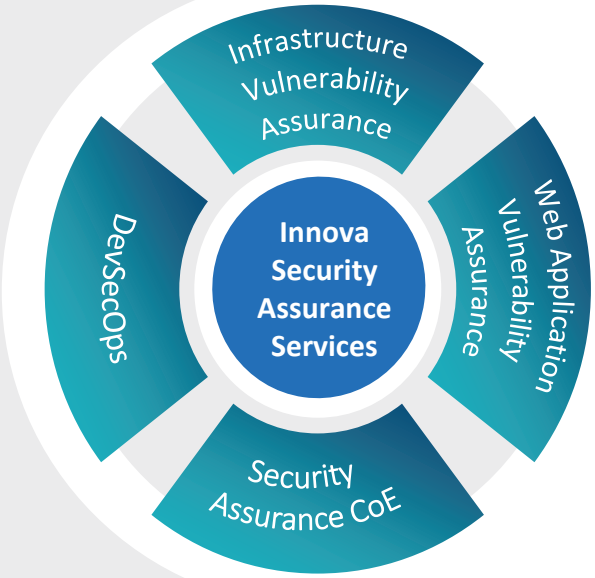
Security Assurance

To maintain high-level of Security Health Index in the ever evolving and modernizing IT Landscape, organizations must transform the traditional approach of static / ad-hoc practices.

As part of modernization, organizations need to overcome traditional approach to transform the Security Assurance process and associated solutions to provide unified visibility into security risk exposure through agentless scans, attack path risk assessment / analysis, contextual prioritization to expedite remediation / mitigation of discovered vulnerabilities / insecure codes, and continuously monitor for vulnerabilities.

As a subset of Innova Solutions cybersecurity portfolio, our **Security Assurance Services** are organized around four core offerings designed to help organizations improve their overall security posture.

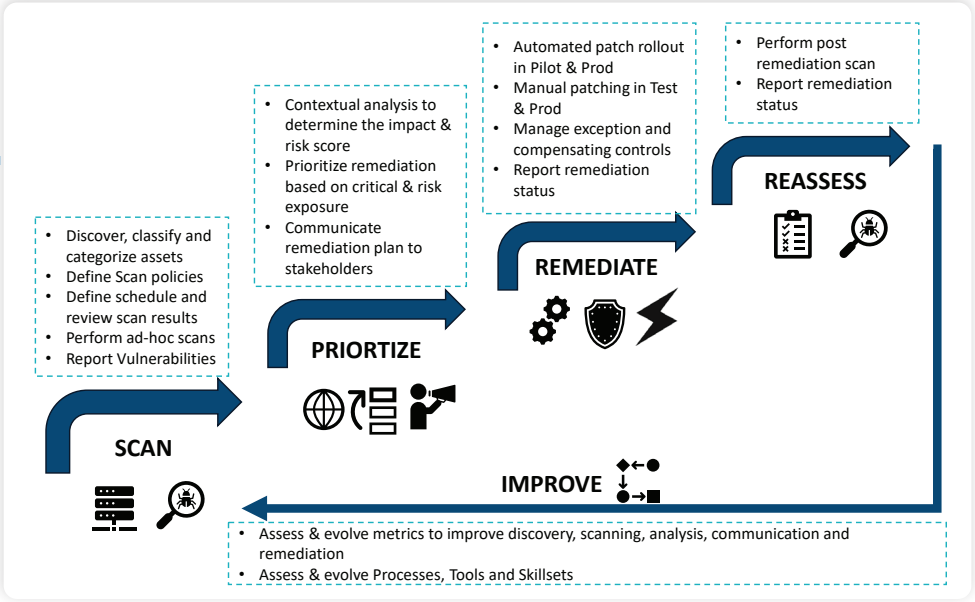
- **Infrastructure Vulnerability Assurance:** Establish a Vulnerability Management Office (VMO) for complete life-cycle management covering asset discovery, asset profile, scan policy definition, execute scheduled / adhoc scans, False +ve analysis, Prioritization and Remediation reporting.
- **Web Application Vulnerability Assurance** : As part of Web App VA continuously discover, detect, and catalog web applications and APIs. Perform comprehensive scans to uncover runtime vulnerabilities, misconfigurations, PII exposures, and web malware across modern web applications and APIs.
- **DevSecOps**: Maintain strong attack surface early in development cycle through SAST, SCA, DAST & IAST on Applications & associated Infrastructure & Middleware and shift-left discover of threats to release secure applications.
- **Security Assurance CoE**: Provide thought leadership to enhance Security Assurance capability addressing current pain points across Technology, Process or Backlog remediation etc.



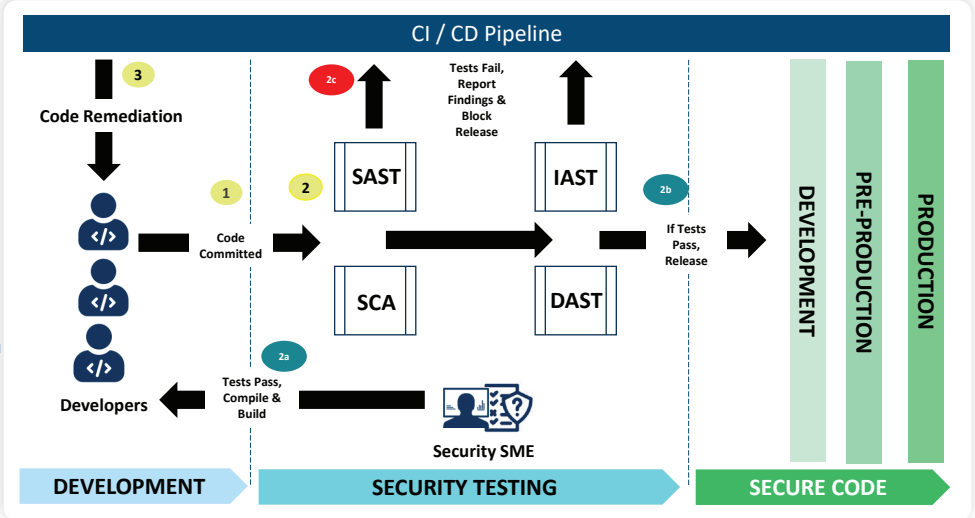
Security Assurance Accelerators

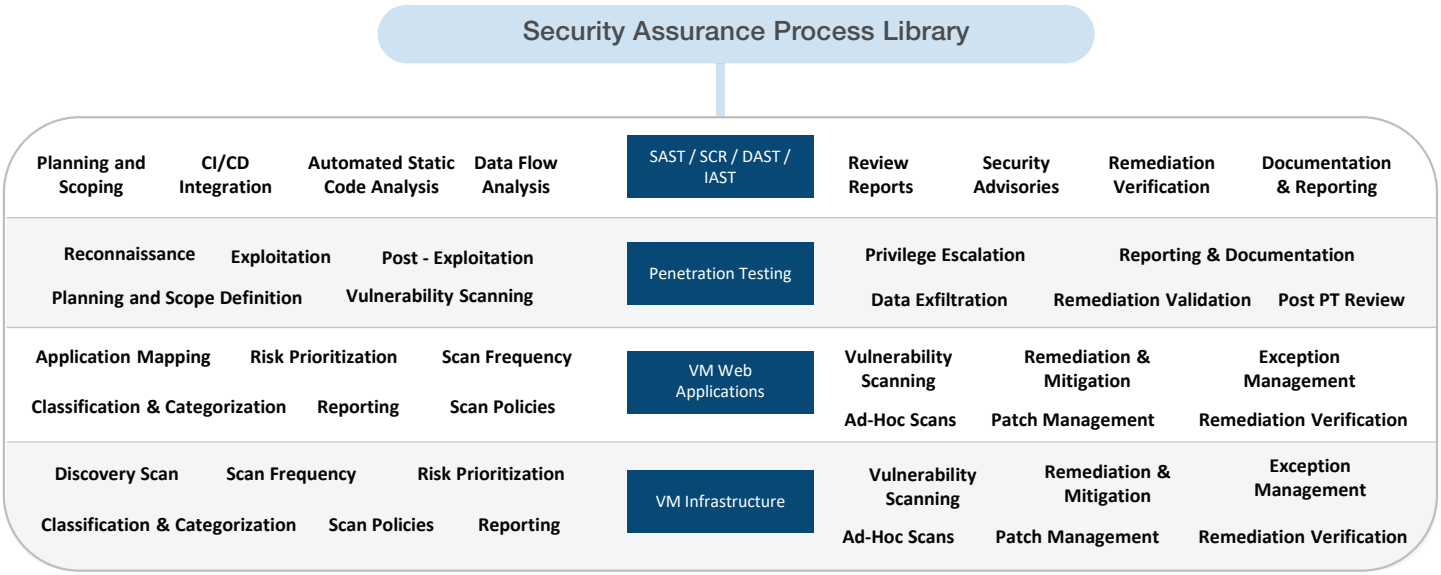
These schematics depict the **Vulnerability Remediation Management(VRM)** life cycle, DevSecOps for Continuous Security and the associated process library to institutionalize and operationalize the VRM & DevSecOps process with little / minimal customization based on the Client's profile and current state of Security Assurance Program.

VRM Life Cycle



DevSecOps for Continuous Security





Case Studies

Vulnerabilities identified during an internal audit surfaced the need to accelerate response and remediation times to IT security threats.

Client Need

This organization's objective was to rapidly remediate identified, existing vulnerabilities while simultaneously re-aligning the organization structure to reduce future risk.

Solution Provided

We deployed teams of cybersecurity experts to rapidly remediate existing vulnerabilities and assist in the transformation and adoption of best practices in the newly formed Vulnerability & Security Program Management Office.

A Whistleblower incident resulting in loss of goodwill led to need for rapid remediation to resolve the deficient security posture.

Client Need

Security posture across the client's infrastructure and software environments was not current and exposed to vulnerabilities. The client was looking for accelerated vulnerability remediation services to overcome loss of goodwill.

Solution Provided

We deployed teams and executed to meet the client's objectives on a tight timeline. Our expert team analyzed severity as a major security vulnerability and developed desktop and server security patches based on prioritized risk profile.

In summary we are partnering with our clients to redesign their Vulnerability Management comprising of traditional scan, fix, re-scan model to a holistic Security Assurance next generation program of scan, prioritize, remediate, reassess, and improve. Our endeavour is to use existing investments in the technologies and modernize them leveraging automation and GenAI concepts.

25	$3 B	50,000	1,100
Years in IT Service	In Revenue	Professionals	Clients

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About Innova Solutions

Founded in 1998 and headquartered in Atlanta, Georgia, Innova Solutions employs approximately 50,000 professionals worldwide and reports an annual revenue approaching $3 Billion. Through our global delivery centers across North America, Asia, and Europe, we deliver strategic technology and business transformation solutions to our clients, enabling them to operate as leaders within their fields.

Talk to our experts to learn how we can help you maximize returns from your technology investments.
Contact us at info@innovasolutions.com

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