

Central Application Security Testing



Challenges faced by financial services due to digitization and current pandemic

- Application is the largest cause of security breaches around the globe comprising of 30% of all the breaches and averaging \$8 million per breach
- Hackers use bot attacks as well as exploit injection, vulnerabilities in code to breach an application, and steal confidential information like credentials and PII's stored in servers
- Shortening development cycles has created the need for rapid security testing and security design
- Current pandemic situation makes it even more critical and important to strengthen the security of the web application as millions of people are working from home and the attackers are trying to reap the benefits by attacking online portals



How HCL can help you prevent the risks and challenges

Static Application Security Testing - SAST Services

Improved Security Posture - HCL Advance Vulnerability Management Service



Service Features

- Static application security testing to analyze applications code
- Commercial scanners plugin integration within developer IDE to provide them flexibility to scan code during development
- False positive triaging and remediation assistance Customized reporting along with tool-assisted review



Service Benefits

- Managed application security service
- Centralized application security management
- Integration with release lifecycle
- Flexibility to integrate scans within DevSecOps environment



Service Features

- Dynamic application security testing to perform application scans at run time
- Commercial scanners plugin integration within developer IDE to provide them flexibility to scan code during development
- Vulnerabilities testing related to authentication, authorization, and server side validation at run time of the application
- Web API (REST, WSDL) and Service Testing
- Customized reporting along with tool-assisted review
- False positive triaging and remediation assistance



Service Benefits

- Managed application security service
- Centralized application security management
- Security expert support for report triaging of vulnerabilities
- Flexibility to integrate scans within DevSecOps environment

These HCL services can help meet compliance to major regulatory requirement, such as FFIEC, BASEL, FCA, NYDFS 500, MAS, MiFID, etc.



HCL success story and credentials



Success Stories

Static and dynamic data application security testing for a multinational telecom client. Customer was looking for mature industry-standard proven security framework for their apps and operations as they were struggling with severe attacks and implementation cost.

Objective

Set up a web application security scanning process for SAST, DAST, SCA during continuous security testing and assessment integrated with development and staging environment.

Our Solution

- Procurement of required AppScan licences for DAST and SAST.
- Application scanning process creation for dynamic web application and static source code scanning processes.
- Architecture for solution implementation by designing solution architecture for AppScan implementation.
- HCL AppScan DAST, SAST, and SCA tool deployment in accordance with the customer's security policies and operationalized the service.
- Developed multiple prior agreed artefacts and hand-over to operations.

Benefit to the client

- S-SDLC process has been established hence release cycle improved much faster with better security in place.
- Detection of high-risk vulnerabilities such as SQL injection, XSS and buffer overflows and fixed at early stage of development cycle.
- 22% benefit in the defection of fixing cost due to shift left security testing.



Application Security Practice Credentials

HCL's application security services help customers in securing their digital transformation journey by assisting them to bake-in security in the SDLC as well as identify security vulnerabilities in production environment across platforms and applications. HCL acquired the industry-leading tool AppScan to provide comprehensive application scanning service with identification and remediation of vulnerabilities in source code.



Scale and Maturity

- 10+ years of experience
- 80+ Application Security Consultants supporting
- 50+ global customers from various domains
- 2000+ platform customers for standardized application security testing services



Key Capabilities

- Static and dynamic application security testing
- Mobile application security testing
- API security testing
- Threat modeling
- DevSecOps implementation

Moreover, HCL also has defined partnerships with multiple technology vendors like Micro Focus, White Source, and Checkmarx for application security tools.



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