

VAPT Security Testing



The Client: A world's leading Bank



Business Requirement



Carry out security testing of the internet banking product and assess the web application vulnerability for OWASP 2015 & RBI compliance



To validate and rate identified vulnerabilities & suggest remediation strategies for identified vulnerabilities



Validate User session tracking / Hijacking, Privilege Escalation, Client side security, Form tampering, SQL Injection and Cross Site Scripting



Our Solutions



Followed VAPT exercise and fixed data security issue, authentication & encryption algorithm issue and application tampering issue



iAVA –an anti-vulnerability assessment framework to perform vulnerability checks



Quick implementation with our reusable test suite of 250+ test cases



URL crawling that led to privilege escalation was detected and fixed



Performed manual enumeration and executed home grown python script for penetration testing



Business Impact



Upgraded SSL Encryption certificate to prevent insecure renegotiation and strengthened the security layer.



Totally 70+ VAPT issues were found of which, 50% of the them were mapped to high severity



Compliance to OWASP and RBI guidelines

Technologies: Front End: PHP, Java, Apache HTTP Server | Database: SQL Server 2008 R2 | Operating System : Windows Server 2012
VA & PT Tools : ZAP, Iron Wasp, Open VAS, Wireshark

Get in
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