

CASE STUDY

Application Security Testing for one of the Leading Health Technology Company in US





Scope

The scope of the work includes performing on-demand security testing that includes,

- Security Code Review (SCR)
- Web Application Manual Testing (WAMT)
- IT Infrastructure Vulnerability Assessment and Penetration Testing (VAPT)
- Mobile Application Security Testing (MAST)
- Web Services Security Testing (WSST)
- Guided DAST (Dynamic Application Security Testing)
- Guided Web Services Security Testing (WSST)



Volumetrics/Key Takeaways

01

SAST100+

Yearly

02

DAST10+

Yearly

03

Application PT

200+ Yearly

04

Infrastructure PT

5+ Yearly

05

Mobile App PT

5+ Yearly

06

Web Services Testing

25+ Yearly



Key Challenges

As a long-standing client partner for more than 3 years, we understand the client's key business drivers impacting security. The key challenges they faced were as follows:

No security testing was performed during development and in-sprint

Ineffective vulnerability management operation

High number of **false positive alerts**

No defined approach to consult for security testing

Complex policies and processes



LTIM Solution

- Performed in-depth analysis of the client's current security architecture operation
- Defined process for continuous security assessment across the software development lifecycle
- Deployed Qualys Web Application Scanning (WAS) in the Azure DevOps environment to detect vulnerabilities on all networked assets, including servers, network devices etc.
- Proposed automation of dynamic and web application security testing
- Implemented In-Sprint CI/CD-based dynamic security testing execution using Azure DevOps
- Performed different levels of testing based on the complexity of applications and implemented continuous security testing



Benefits

65%

Reduction in the overall efforts for the security testing program



Reduced time to mitigate vulnerabilities and avoid slippages

300%

Increase in the quality of defects using DevSecOps automation



Improved security testing workflow and plan

70%

Reduction in False Positives



Reduced effort required for performing dynamic security testing

2500+

Vulnerabilities found and remediated

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