Removing security vulnerabilities in **enterprise applications**

For a global telecommunications firm, using AppScan and GRC solutions

Customer profile

A Finland-based multinational telecommunications company that specializes in information technology and consumer electronics.

Business need

The client was experiencing multiple cyberattacks and escalating implementation costs. They wanted to establish a matured and industry-proven security framework to protect their application security and operations. For this, the business needed the following:

> Deploy a web application security scanning process for conducting:
  - Static code analysis (SAST) to secure the app during its design and development stage
  - Dynamic application security testing (DAST) to check for vulnerabilities in apps at running stage
  - Software composition analysis (SCA) to verify the open source software or API
> Integrate development and staging environments
> Implement continuous security testing and assessment
> Manage complex application security testing environment
> Identify and categorize apps based on criticality
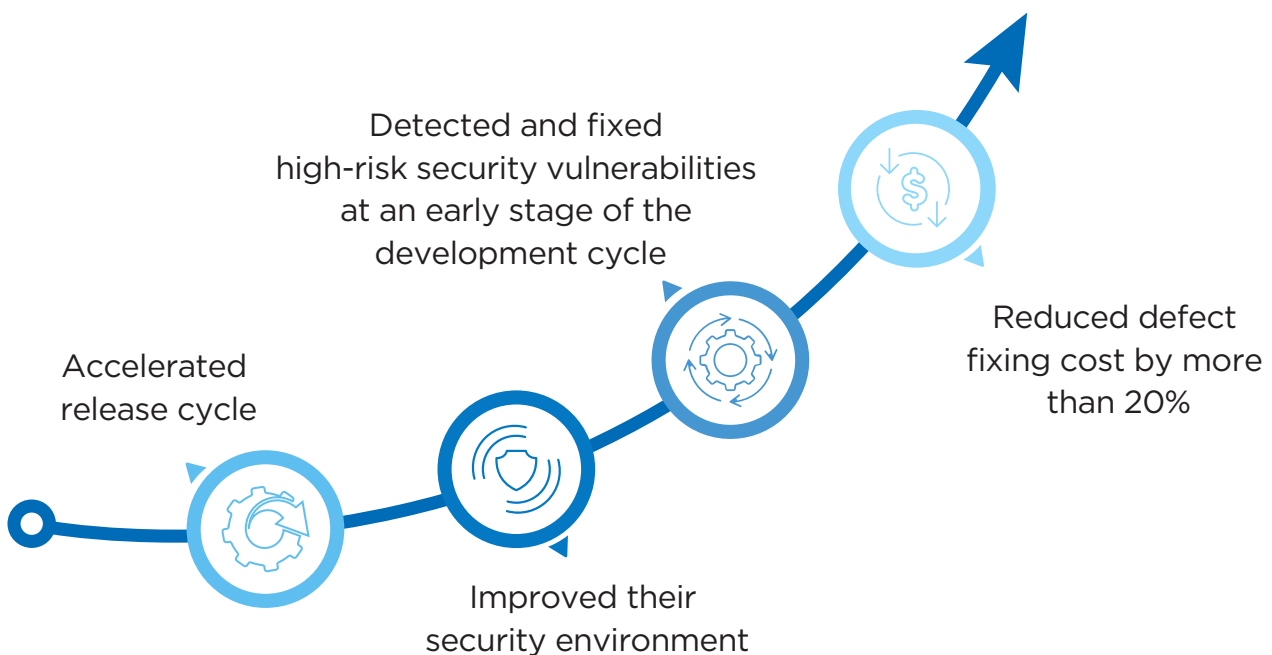> Ensure all compliance requirements are met

HCL solutions and services

HCL executed the project assessment in three phases:

01   **Transition phase:** Performed requirements gathering and activities related to understanding the existing environment, such as:

     a   Tool procurement – Procured AppScan licenses for static code analysis and dynamic application security testing.

     b   Hardware and software requirements readiness – Ensured pre-requisites for AppScan implementation.

     c   Application scanning process creation – Developed framework for dynamic web application and static source code scanning processes.

     d   Architecture for solution implementation – Designed the solution architecture for AppScan implementation.

02   **Transformation/implementation phase:** Deployed AppScan DAST, SAST, and SCA tools per the security policies, and operationalized the service.

03   **Steady state:** Developed multiple prior-agreed artifacts and ensured seamless hand-over to the operations team.

Benefits/value delivered

With HCL's phase-wise approach, the client got the following benefits:

Accelerated release cycle

Improved their security environment

Detected and fixed high-risk security vulnerabilities at an early stage of the development cycle

Reduced defect fixing cost by more than 20%

Dynamic Cybersecurity With HCL

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