



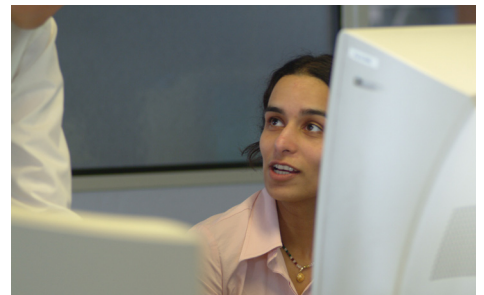
Security Services

In today's world, the number and variety of threats to IT systems are multiplying daily, as is the number of security products and services to address them. Businesses that trade electronically are particularly vulnerable to risks such as fraud or breaches of confidentiality, causing loss of assets and damage to their reputation. For these companies, information and transactions need to be protected by means appropriate to their value and their potential for consequential loss.

AppLabs' Security Services address the numerous mission-critical information security challenges faced by our enterprise clients throughout the world. Our approach

is to help you build-in security right from the start. Working with you throughout the different stages of your IT business change cycle, we assist with the early identification of security threats through code reviews, functional security tests and vulnerability checks. For existing systems, we can provide independent technical design and implementation reviews, followed by a detailed testing cycle to ensure the system is secure when operational.

AppLabs is the ideal partner to ensure the systems you implement support the security needs of your business in a comprehensive and robust manner.



Product Security Testing

Product development managers often assume that making their software more secure would increase costs and the time required for development. However, according to industry analysts such as Gartner, amongst others, integrating security best practices into the software development lifecycle actually reduces overall costs by increasing efficiency and also boosts customer satisfaction.

An analysis conducted on applications indicates that these flaws arise due to lack of or limited security testing in an environment replicating the end user's environment. Applications are known to work in conjunction with several other applications like a web browser, email client and an instant messenger. If security testing is not performed replicating such scenarios, the application could be susceptible to attacks originating from third party applications.

The product security testing service of AppLabs, involves tests targeted to break the security built into the product. Scenarios where the application fails or behaves abnormally, and can withstand the attack are identified and verified. AppLabs subjects the given application(s) to various attack

scenarios, which include buffer overflows, memory leaks, reverse engineering, license evasion and registry tampering (operating system specific). Security tests are conducted in a state-of-the-art security test lab, equipped with the requisite tools and malware and comprehensive testing approach is adopted with a clearly defined methodology.

The security testing cycle for a product begins with the scope definition and an understanding of customer expectations, followed by multiple phases like analysis, test planning, execution and reporting. A detailed analysis is carried out on the application to identify relevant scenarios. Tests are performed simulating customer end scenarios, including testing the ability for similar applications to operate securely.

Getting a security test done for a product, improves software quality and aids customers by reducing development and maintenance costs as the product is shipped with minimal security issues. Also, security flaws created during the product's development are discovered. Gartner recommends security testing for outsourced products.