ENCRIPTO®

Guide

Passion

We are passionate about information security, and believe in a more secure IT world.

Our security expert, Juan J. Güelfo, has repeatedly been featured in Norwegian press, where he has shared his knowledge and perspective on topics related to information security.

In 2013 and 2014, Encripto and Juan J. Güelfo were nominated for the DND IT security award.

Customer Satisfaction

It is better to be a large customer in a small company, than a small customer in a large company.

This is what our customer surveys show, where our customers rank us high on quality and value.

We believe that satisfied customers are the way to success. Ask us about references.

Independent and Objective

We are not tied to external third parties. This means that we can recommend solutions based on what is best for you and your needs.

Web Application Security Testing

Which security level?

The OWASP Application Security Verification Standard (ASVS) is a list of application security requirements or tests that can be used by architects, developers, testers, security professionals, and even consumers to define what a secure application is.

The standard provides a basis for how security in web applications can be verified, and it also comes with suggestions for recommended security levels in different types of applications.

The OWASP ASVS defines three security verification levels:

✓ **Level 1 – Recommended for all software**

This level is intended to ensure that web applications are adequately protected against vulnerabilities that are easy to discover, and included in the OWASP Top 10 and other similar checklists. Level 1 controls can be ensured by a combination of automatic and manual testing techniques. No access to source code is required.

Although the threat level for each industry may vary, all industries are exposed to opportunistic attackers looking for vulnerable applications via the internet. Level 1 is therefore recommended for all web applications.

✓ **Level 2 - Recommended for applications that contain sensitive data**

An application achieves Level 2 if it adequately defends against most of the risks associated with software today. In addition to penetration testing, this level requires at least some access to developers, documentation, code, and authenticated access to the system.

Level 2 is typically appropriate for applications that handle significant business-to-business transactions, including those that process healthcare information, implement business-critical or sensitive functions, or process other sensitive assets.

✓ **Level 3 - Recommended for the most critical applications**

This level is typically reserved for applications that require significant levels of security verification, such as applications performing critical functions, where failure could significantly impact the organization's operations, and even its survivability.

An application achieves this level if it is adequately defended against all advanced security vulnerabilities, and it also demonstrates principles of good security design. An application at Level 3 requires more in depth analysis, architecture, coding, and testing than all the other levels.

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InformationSecurity

Understandable and Balanced

In our communication, we emphasize that both management and technical staff shall understand the message.

We always balance our recommendations between the customer's need for security and the need for functionality.

Quality and Results

If you want the job done properly, you have come to the right place.

We use the most complete methodologies and the latest techniques to protect you against today's threats.

We believe in using knowledge and creativity, rather than relying on automated tools.

Flexible, Focused and Efficient

As a small niche company, we focus all our attention on providing excellent services in information security.

A flat organizational structure allows us to be flexible and accessible for our customers.

How often?

It is recommended to test the security of web applications on a regular basis, as the threats are constantly changing and new functionality gets added to the application.

How often you should perform a security test, depends on the number of changes made in the application in the course of a year.

On a general basis, Encripto recommends conducting **a full security test on the application once a year.**

In addition to this, you can conduct smaller security tests when launching revised versions or new functionality.

More information about OWASP ASVS?

Feel free to visit the OWASP website:
https://www.owasp.org/index.php/Category:OWASP_Application_Security_Verification_Standard_Project

About Encripto

Encripto is a niche company that provides specialized services within IT security. Our core expertise is security testing, network security monitoring and training within IT security.

In summary, our job is to find vulnerabilities in computer systems and applications, problems that you did not know about.

You can read more about us at www.encripto.no.

License

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