

Project Note

Web application with inbuilt security

Zühlke assisted with the development of a web application by hosting a programming workshop and carrying out a security review. The resulting product achieved a high resistance to attacks.

Task

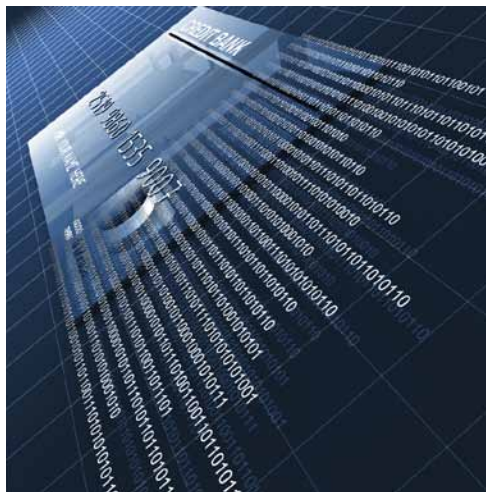
Haufe-Lexware, a leading manufacturer of business solutions for legal, economic and tax matters wanted to implement a web-based service with individual, performance-based billing. This application had to be able to resist standard online attacks and also prevent the use of services that had not been authorised.

Solution

Zühlke became involved in the project at an early stage. At a workshop on safe programming practices, specialists heightened the security awareness of the team of developers. Solutions for typical problems were presented and hence could be used directly in the development process, enabling a high level of security to be realised. In order to detect hitherto unrecognised vulnerabilities, Zühlke then carried out a security test during the project work, in accordance with the guidelines of the internationally recognised “Open Source Security Testing Method Manual” (OSSTMM). A detailed catalogue of recommendations intended to increase the website’s resistance to manipulation was developed on the basis of the results of the security review. The early incorporation of secure development practices into the project minimised the reworking required on the finished applications and also improved the product quality.



HAUFE. LEXWARE



Technical Data

- OWASP
- grendl-scan
- wikto
- nikto2
- OSSTMM

Customer benefits

- Zühlke introduced the developers to secure development practices at an early stage in the process. This had a positive effect on the security architecture of the finished product.
- The programming guidelines developed will also be of great benefit to the customer when developing future products.
- The expertise provided by Zühlke enabled a high level of security to be achieved for the developed application.

Zühlke Engineering AG
Wiesenstrasse 10a
8952 Schlieren (Zurich)
Switzerland

Phone +41 44 733 6611
Fax +41 44 733 6612
zuerich@zuehlke.com
www.zuehlke.com