

**Project Note**

# Creation of a secure website with regular security tests

A leading logistics company developed a security solution together with Zühlke in order to stay ahead of internet based threats. Regular reviews ensure that the solution maintained and extended its resistance to potential threats.

**Task**

In the highly competitive world of logistics, an internationally active freight business established a website for freight tracking and for advertising. The website was used to provide freight information as well as acting as a showcase for the company's services. Due to the high visibility of the business, the website was subjected to online attacks. Zühlke was asked to review and assess security measures and to propose possible improvements.

**Solution**

Zühlke first carried out a security review in order to determine the website's existing level of security. To this end, security experts checked not only the actual web application but also looked at non-obvious attack-vectors, such as information in newsgroups and internet forums or software fingerprinting. The security tests were carried out in line with the guidelines issued by the internationally recognised "Open Source Security Testing Method Manual" (OSSTMM). A detailed catalogue of recommendations intended to significantly increase the website's level of security was developed on the basis of the security review. Zühlke carries out regular checks of the website to ensure that the level of security is maintained on an on-going basis.



**Technical Data**

- OSSTMM
- Nmap
- hping
- grendl-scan
- wikto
- nikto2
- Metoscan
- Otrace
- Whisker
- Paros Proxy
- Wapiti
- WebCrack
- Medusa
- Halberd
- Burpsuite
- Httpprint

**Customer benefits**

- Provision of reliable delivery tracking services for logistics customers as a result of the improved website security.
- Preservation of customer confidence regarding delivery tracking of high quality freight.
- Protection from online attacks helps avoid any loss of reputation.

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