FRAUNHOFER INSTITUTE FOR SECURE INFORMATION TECHNOLOGY

VUSC –
THE CODE SCANNER
SCAN SOFTWARE
DETECT VULNERABILITIES

Fraunhofer Institute for Secure Information Technology SIT

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Software is taking over more and more functions in everyday life and should therefore meet minimum requirements for IT security. But how to tell whether a fresh app, a supplementary software update or a piece of code is secure? VUSC, the code scanner of Fraunhofer Institute for Secure Information Technology SIT, automatically checks software and detects weak points within minutes. Unlike other software scanners, VUSC does not require source code. Another plus: VUSC works on premises and not in the cloud, giving users full control over their data at all times.

Is the software to be purchased for your own company secure? Is the work of the external software developer error-free? Is the app you developed yourself really secure? VUSC answers these questions quickly. The file to be examined is simply loaded into the scanner by drag and drop, and a few minutes later VUSC displays the result of the security check. The Fraunhofer scanner does not need the source code for this, nor must the software to be checked be sent to external servers.

Finding and assessing vulnerabilities
VUSC finds security vulnerabilities and provides a generally intelligible description of the problem for each vulnerability. In addition, VUSC automatically classifies the vulnerabilities. This allows users to see at a glance whether the vulnerability found represents a high, medium or low risk. This clear prioritization allows VUSC users to fix the most serious issues first. In addition, VUSC provides a wealth of detailed information on the vulnerabilities found:

What data is affected? Where is the data being sent to? What type of encryption does the tested software use? This gives VUSC users an overview of specific risk factors. If necessary, Fraunhofer also adapts the scanner to company-specific security requirements.

VUSC supports companies in …
- the security evaluation of third-party code
- quality assurance in software development
- the evaluation of open source products
- compliance / data protection analyses (DSGVO)
- risk management
- due diligence

Who is VUSC suitable for?
- decision makers in IT departments
- corporate security teams (CERT/SOC)
- software developers
- app store- / shop operators

What can VUSC do?

- automated testing of different software platforms (Android, iOS, Java, etc.)
- the scanner does not need source code for its analysis
- VUSC works on premises – the software stays with the customer and does not need to be sent to external servers
- concise risk classification of the vulnerability
- accurate problem description enables fast troubleshooting
- testing of frameworks

Our services

- on-site installation (on premises)
- hosted service on request
- flexible license model (quantity scale, free control scan after troubleshooting, etc.)
- customized security analysis: company-specific requirements can be integrated into the scanner
- senior level support (direct access to expert know-how)
- specific advice on the elimination of flaws and vulnerabilities