SAFEVAL
< SOURCE CODE LEVEL SECURITY >

SAFEVAL 4.1
factsheet

source code level security

**design analysis and review
penetration and dynamic testing
static code inspection
with integrated results**

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Safeval is an innovative solution for an old problem: how to produce software efficiently and, at the same time, with high security standards. Today's software development cycle requires an automated and simple tool, which can be used at key points in the development cycle to assure the security of the process. Testing the security only at the end of the software development is not an option. Neither are extensive and intrusive tools to control what the developer do.

ABOUT US

Safeval is a product developed and marketed by the consulting firm R Albuquerque Consultoria. Our company is responsible for the security evaluation of several key software in Brazil and other countries.

Safeval was created as an internal tool for helping our team of security analysts. The team has been using the software since 2002. In 2010 some clients of the analysis service, demanded the software as an autonomous tool, to help them more directly. But only in 2016, in its version 4.0, we started selling as a product in the market. And we have several clients already.

ABOUT SAFEVAL

To ensure the security of the development process requires an approach that comprehends all phases of the development cycle.
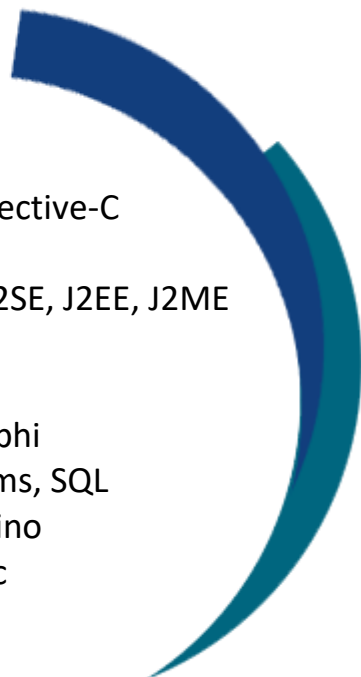
DESIGN ANALYSIS

During the specification and design of the software, you should apply a critical review at each new version of the project. This critical review should verify the proposed design uses secure technology, comply with legislation and standards, and is secure against the foreseen treats of the software environment.

CODE INSPECTION

When the software is being written, even before it is compliable, there are vulnerabilities that can be identified and corrected. The sooner you identify a problem, the least it costs to be solved.

There is no better test for security as the code inspection. It can identify not only direct vulnerabilities, but also weak points that can became vulnerabilities later on, and backdoors or other malicious code included by developers. No other test can give you this results.

Safeval exclusive meta-interpreter allows the system to correct parse and identify problems in several coding languages.

C, C++, Objective-C
C#, VB.Net
Java, JSP, J2SE, J2EE, J2ME
Cobol
Python
Pascal, Delphi
Oracle Forms, SQL
Lotus Domino
Visual Basic
ASP
PHP

PENETRATION TEST

This test also should not be regarded as a final test to prove the system secure. On contrary, it should be done several times along the development cycle, to ensure the flaws are corrected in time.

This test views the application in a dynamic way, generating requests and recognizing responses that indicate a potential vulnerability.

PERIODIC TESTS

All of the tests can be scheduled to occur in periodic intervals. You provide the address of the GIT or SVN repository with the source code, and Safeval will inspect the code daily and provide you with the statistics for the size of the code and vulnerabilities found.

You may also inform the URL for the system and Safeval will perform an penetration test daily at convenient hours, to ensure none of the attacks are effective against your software.

MANUAL REVIEW

We also provide this services in a SAAS model, where you can run any number of scans in the system but also use our team of experienced analysts to review the results for your software.
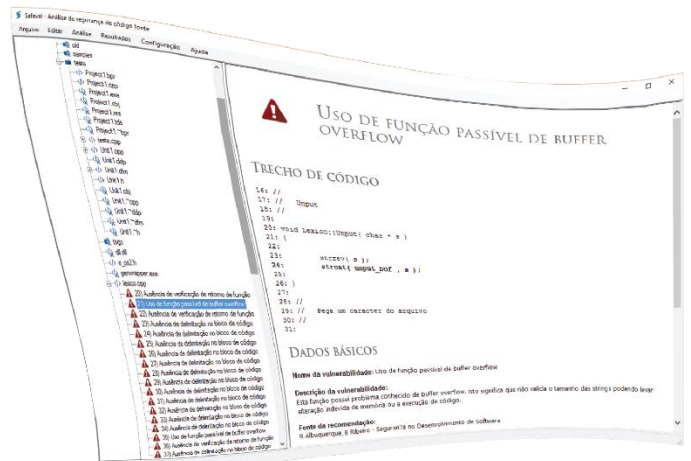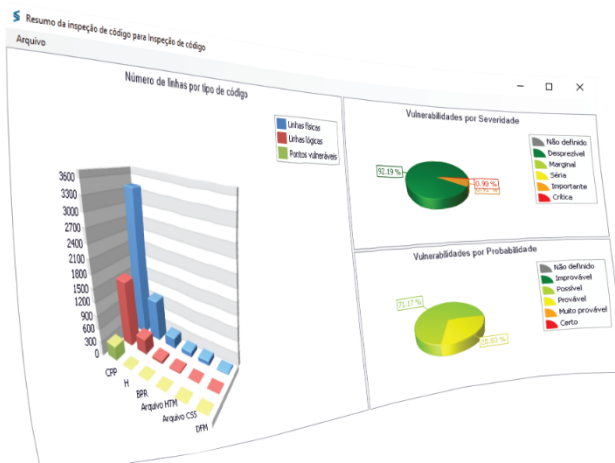
THERE IS NO COMPETITON

Although very recently released to market, Safeval has no direct competition. There are tools in the market with the same objective, but the integration between the analyses is unique to Safeval. Safeval links the vulnerabilities in the source code with the weaknesses found in the penetration test and in the design analysis.

	Safeval	HP Fortify	IBM AppScan	Acunetix
Number of languages	17	14	5	2
Main languages (C#, Java)	Yes	Yes	No (no C#)	No (no C#)
Event oriented languages (Lotus Domino)	Yes	No	No	No
No need to have the development environment	Yes	No*	No	No
Integrates with Bug track software	Yes	Yes	Yes	No
Integrates with GRC software	Yes	No	No	No
Multilingual (English, Portuguese, Spanish)	Yes	No	No**	No

Yes if you consider the Saas platform on the web
** The interface can have several languagens, but the vulnerability database is only in English