CHECKMARX

Case Study BayernLB

Overview

- **Checkmarx was chosen by the bank because it was the only solution capable of scanning pure source code without any dependencies**
- **By using Checkmarx, the bank was able to comply with the standards set by the European Central Bank Authority**
- **A user-friendly interface and an easy workflow helped Checkmarx stand out in face of the competition**

Bayern LB

Requirements when choosing a SAST solution

Following a requirement set by the European Central Bank Authority, Bayern made code security a top priority. They set out to find a SAST solution that would support two important requirements:

A. The bank uses a wide number of programming languages, they need a SAST solution that would support as many of them as possible.

B. The bank's development is done in-house or off-shore. It is crucial that their SAST solution would be able to scan their source code without requiring a standardized build or the dependent libraries.

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We were looking for a solution which is independent of such a standardized build so we can scan the pure source code and get the results immediately"

Using Checkmarx

Following a smooth deployment, Checkmarx is used by the bank to scan dozens of applications regularly. The bank has two different use cases for Checkmarx:

A. Checkmarx is integrated into the developers' IDE and the bank encourages its developers to scan their code with it on a regular basis. The bank is indifferent to the results of these scans as they are meant for developers to improve the security-quality of their programming.

B. The second use case is the security critical one: scanning the code that is actually meant to go into production, this is where the security review takes place.

The bank verifies its latest code version is secure on the code repository prior to compiling it and sending it to production.

Checkmarx runs smoothly and its friendly user interface and intuitive workflows make it easier for the developers to use.

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> *Before the code goes through integration tests, we have the developers review all the findings"*
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> *- Thomas Zierer, Technical Architect*

Mr. Thomas Zierer is Lead technical architect for the IT department at BayernLB.
BayernLB's mandate is financing growth and innovation for companies in Bavaria, Germany, Europe and worldwide. The bank serves large and medium-sized companies as well as the public sector. It is also a leading player in commercial real estate financing.