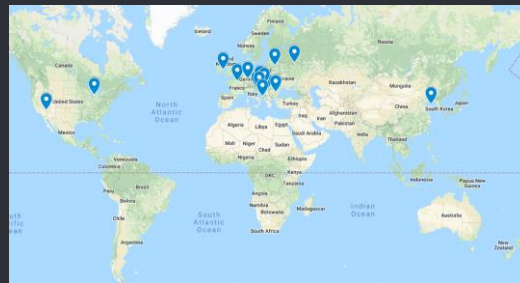




- Putting OWASP Maribor on the map with SecureBank

## About me

- Developer once
- Pen(tester) now
- Ethical Hacker
- Trainer
- Breaker
- BSidesLjubljana founder
- OWASP Maribor founder



1

# One uppon a time

There was OWASP Slovenija,

but

## ● OUR PROCESS IS EASY



Register for chapter



Wait



Formal status



- Why does it matter?

- Big community

- Interesting projects
  - Wanted to give back something to community

Also a lot of possibilities for your personal development and presence in this InfoSec world



- What can be done to make it better?

## ○ **Not only to have a chapter**

But be proactive

Been a part of an team for OWASP Europe, but then COVID-19 struck

## **New ideas**

Interesting project

Contributions

Good start for newbies



- It is all about crazy ideas!

- - I always have crazy ideas
  - But you have to have somebody who can bring this ideas to life!
  - And Gregor is perfect!



- Our plans

- - To bring more action around OWASP in this part of the World
  - To contribute to some great OWASP projects
  - Don't be shy







- SecureBank

Gregor Spagnolo



gregorspagnolo

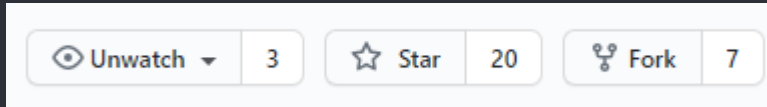
- About me

- - SSRD owner (<https://ssrd.io>)
  - Maker
  - Braker



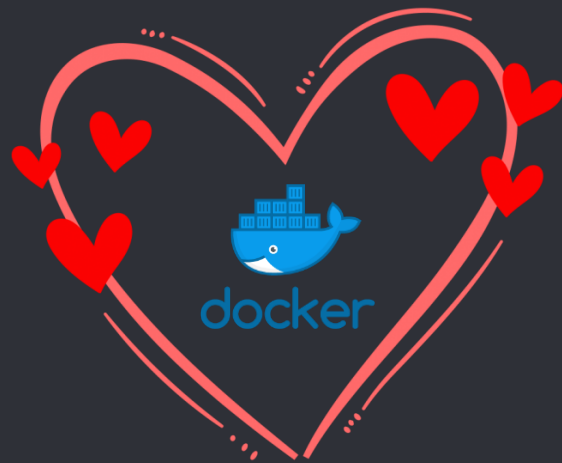
- SecureBank

- - Open Source project [ssrdio/SecureBank \(github.com\)](https://github.com/ssrdio/SecureBank)
  - OWASP TOP 10 vulnerabilities
  - Out of the box solution



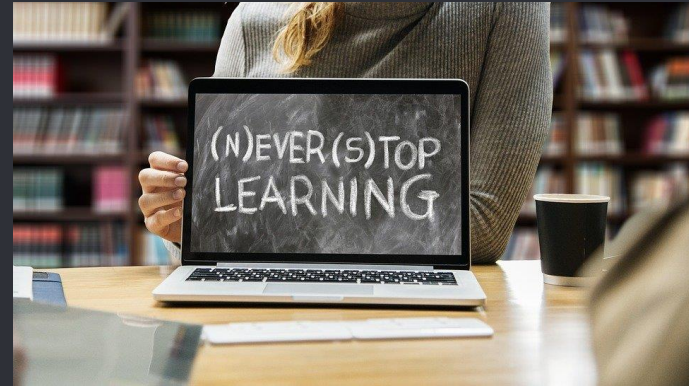
- SecureBank

- - Runs in docker
    - docker run
    - docker-compose
  - Configurable
    - Challenges
    - Modes (CTF, standard)
  - Exportable
    - CTFd



- SecureBank - Documentation

- - Walkthrough [About SecureBank - SecureBank \(gitbook.io\)](#)
  - Knowledge
  - Challenges



- SecureBank - Challenges

- - How to build it?
  - How to maintain it?
  - Which security challenges?
  - Experience = implementation.



- .NET Core challenges

- - Framework fixes vulnerabilities
  - Framework changes the way it works



- Quality

- CI/CD
  - SDLC





# SDLC in practice

## SecureBank

docker build automated docker build building license MIT

vulnerabilities 0 bugs 106 code smells 811

SecureBank is a FinTech application which contains all OWASP TOP 10 security vulnerabilities along with some of security flaws found in real-world applications.

You can read more about SecureBank and OWASP top 10 vulnerabilities [here](#).

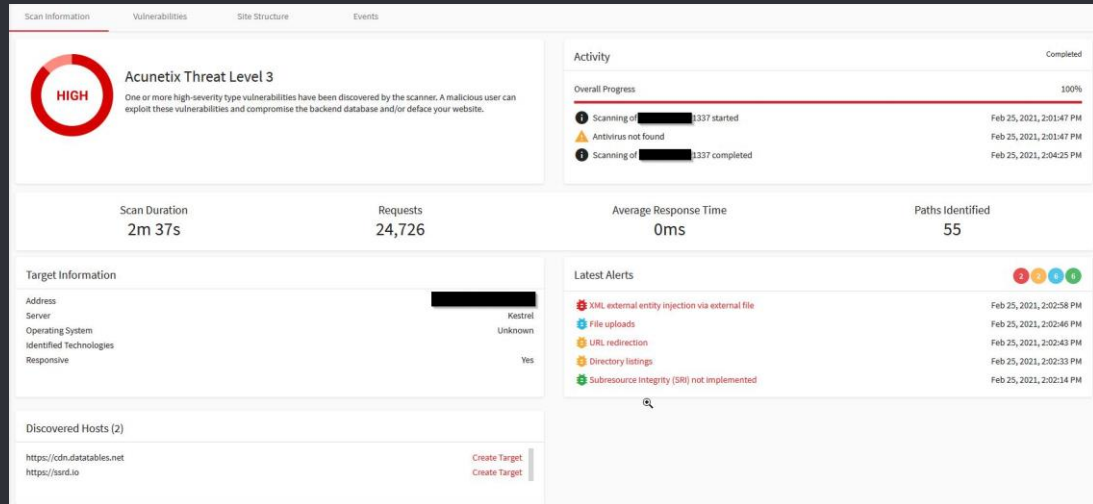
The screenshot shows the SecureBank application interface. On the left, there's a sidebar with filters for Type (Bug, Code Smell), Severity (Critical, Major, Minor), and Status (New, In Progress, Done). The main panel displays a list of issues with details like title, description, and actions. The issues are categorized by type, severity, and status. The left sidebar shows filters for Type (Bug, Code Smell), Severity (Critical, Major, Minor), and Status (New, In Progress, Done). The main panel displays a list of issues with details like title, description, and actions.

The screenshot shows the SSRD / SecureBank dashboard. The dashboard includes sections for Reliability Measures (106 Bugs), Security Measures (0 Vulnerabilities, 13 Security Hotspots), Maintainability Measures (88d Debt, 811 Code Smells), and Duplications Measures (15.4% Duplications, 122 Duplicated Blocks). The dashboard also includes a Quality Gate section with a 'Not computed' status and a message 'Next scan will generate a Quality Gate.' The dashboard also includes a 'started 2 hours ago' message.



## What can we learn?

- Static code analysis is not enough
- Dynamic vulnerability scanning



- Nobody is perfect



Thanks!

○ ANY QUESTIONS?

Please follow our work

<https://owasp.si/>



GregorSpagnolo



OwaspSlovenia



MilanGabor