



OWASP

Open Web Application
Security Project

OWASP JuiceShop

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Agenda

- What's JuiceShop?
- Why?
- Comparison of Learning Platforms.
- JuiceShop description.
- Installation.
- Demo.



What is JuiceShop?

- It's an intentionally insecure webapp for security trainings written entirely in JavaScript which encompasses the entire OWASP Top Ten and other severe security flaws.
- Written in **Node.js**, **Express** and **AngularJS**. It was the first application written entirely in JavaScript listed in the OWASP VWA Directory.

JavaScript... yay



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Why JuiceShop?

- Modern technologies being used.
- JavaScript applications are everywhere.
- RESTful backend.



Learning platforms

	WebGoat	Shepherd	JuiceShop
Language	Java	Java	JavaScript
Model	Old school webapp	Old school webapp	RESTful
CTF	No	Yes	Kind of
Customizable	Yes	Yes	Yes
Easy to install	Yes	No	Yes
Self-healing	No	No	Yes
Keep score	Yes	Yes	Badly
Lots of challenges	Yes	Yes	Yes

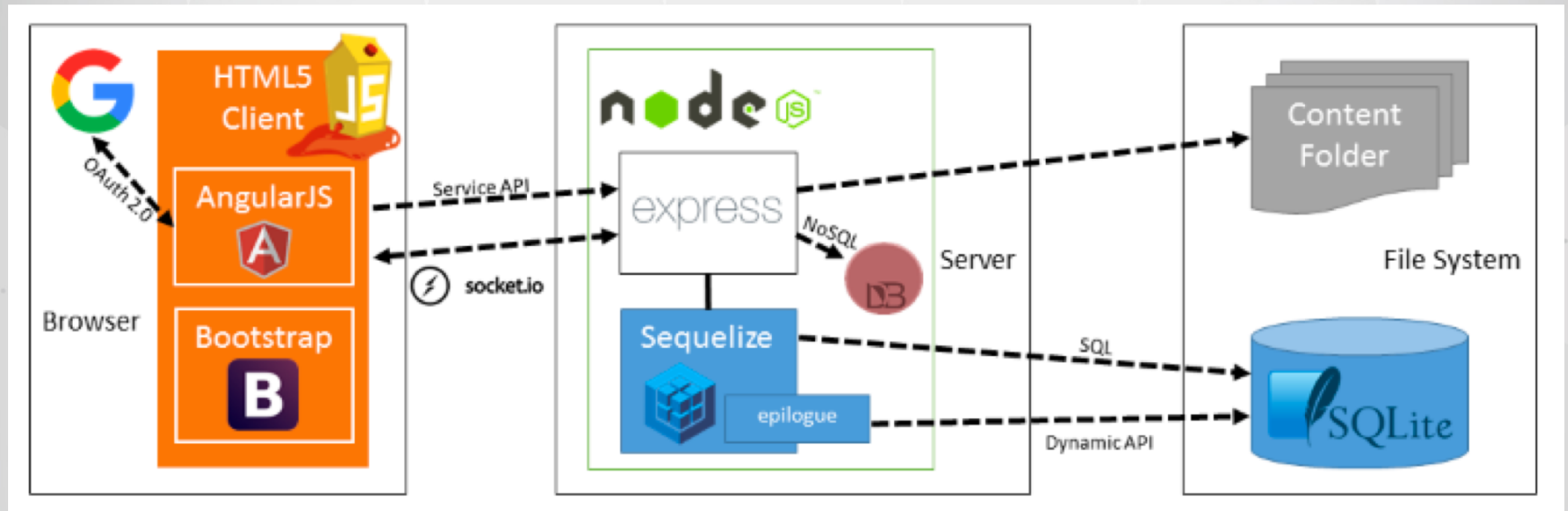


More about JuiceShop

- Easy to install: npm, Docker, local, etc.
- Self-healing.
- Gamification (scores).
- CTF support.
- Free and open source.
- Extensive documentation.



More about JuiceShop



Installation

- a) `docker pull bkimminich/juice-shop`
`docker run --rm -p 3000:3000`
`bkimminich/juice-shop`
- b) `git clone`
`https://github.com/bkimminich/juice-shop.git`
`npm install`
`npm start`



Project home page

[https://www.owasp.org/index.php/OWASP Juice Shop Project](https://www.owasp.org/index.php/OWASP_Juice_Shop_Project)



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Demo



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Questions?



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Thanks!

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