

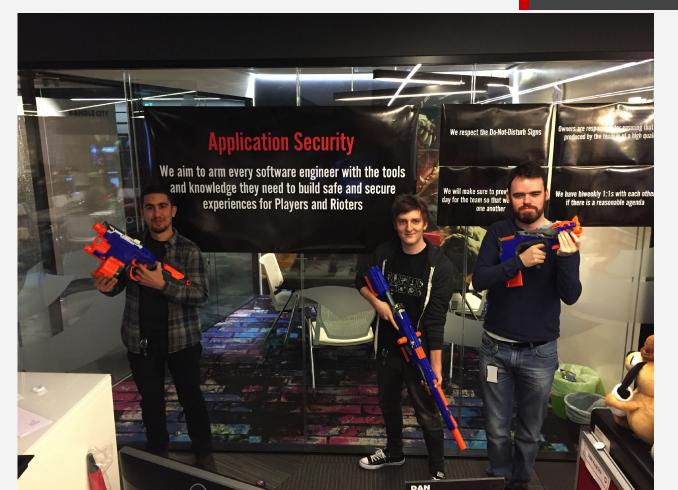
David Rook

Senior Security Engineer at Riot Games Leading Riots global Application Security program Also lead Riots bug bounty program 12 years Information Security. 10 full time Application Security Gamer (but not a good one!)





Riot Application Security





Riot Application Security

Application Security and Riot Engineering	
Automation	
Rioters	
Bug Bounty	

















ESLint Security Rules

no-unsafe-innerhtml.js	Validation check added
no-unsafe-script-innertext.js	Validation check added
no-unsafe-script-src.js	Validation check added
no-unsafe-script-text.js	Validation check added
no-unsafe-script-textcontent.js	Validation check added
no-unsafe-settimeout.js	New rules!
no-unsafe-write.js	New rules!

ESLint Security Rules

```
* Cloning gh.riotgames.com:appsec/sightstone to /Users/drook/Documents/GH_scan_results/appsec-sightstone ( 1 Files )...
```

- * Clone Complete, Starting ESLint Scan...
 - * Scan Complete, Found 1 Issues
 - * Writing Report to /Users/drook/Documents/GH_scan_results/appsec-sightstone-report.txt...



Dependency Scanner PoC



AppSec Slack Bot BOT 3:02 PM

Your new reporiotclient-data-mocking-rso-login looks like it's using NodeJS

We think these security resources are awesome for helping engineers build secure Node products:

http://expressjs.com/en/advanced/best-practice-security.html

https://nodesecurity.io/

https://github.com/helmetjs

If you'd like to speak to an AppSec Engineer for more detailed advice please reach out to us via appsecv@riotgames.com or the #ask-infosec Slack channel

Dependency Scanner v1



Slack API Tester APP 4:27 PM

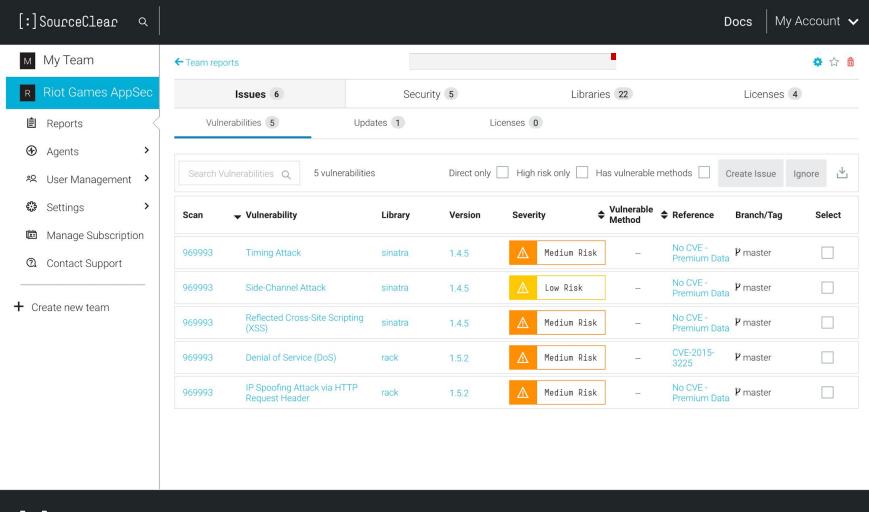
Hey drook, I've noticed that your repository at /Users/drook/Documents/Scanner/src/RiotGames.AppSec.Scanner/my-repository uses the following dependencies that have been identified as having vulnerabilities. They are as follows:

node-serialize 0.0.3

Code Execution through IIFE (https://nodesecurity.io/advisories/311) serialize-to-js 0.4.0

Code Execution Through IIFE (https://nodesecurity.io/advisories/313)

You're being messaged because you are the last committer to have submitted a commit to this project.



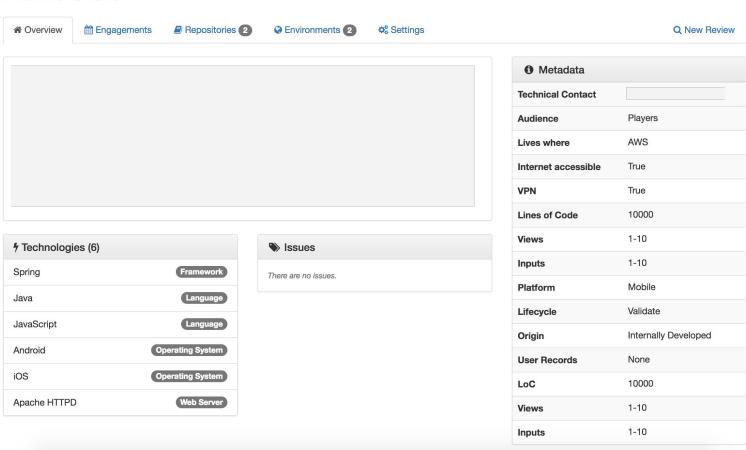
Legal

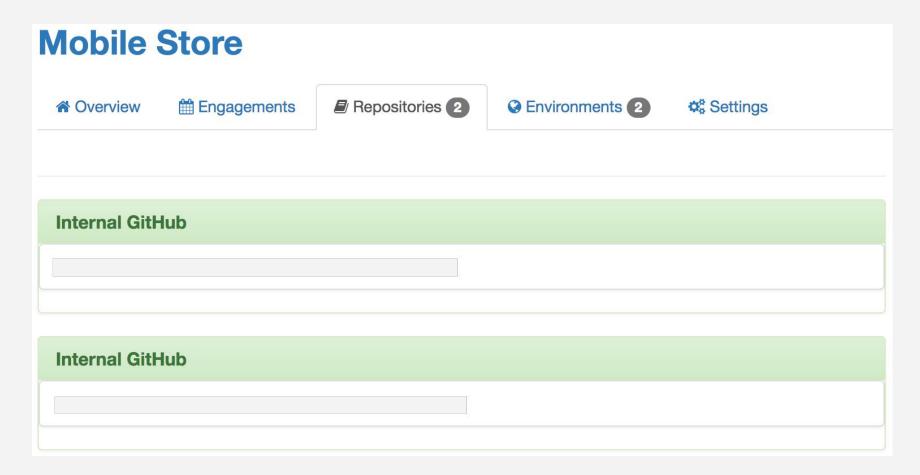


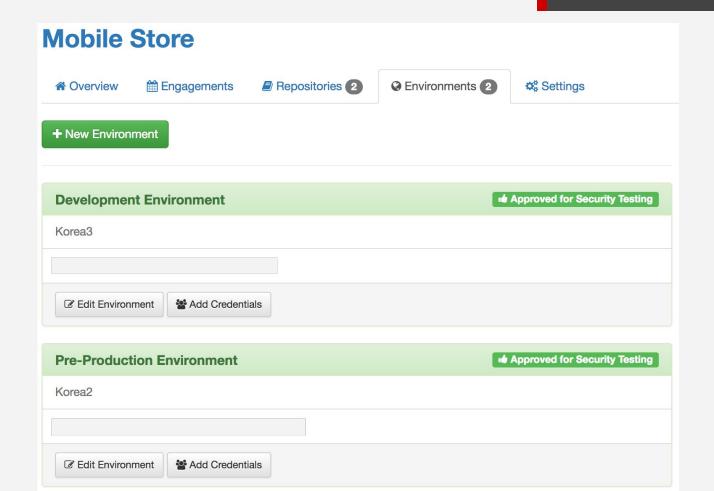


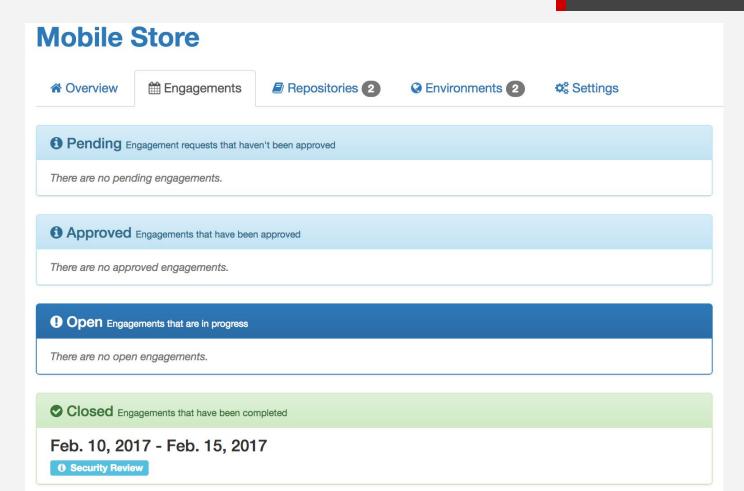
zz'review portal

Mobile Store



















Web Application Security Checklist Validation of Data Are you using a whitelisting approach when validating all player supplied data? Are you validating all player supplied URLs? When you display player supplied data do you use the correct output encoding to avoid Cross Site Scripting vulnerabilities? When you are interacting with a SQL database are you using prepared statements to avoid SQL Injection vulnerabilities? When you display player supplied data do you use the correct output encoding to avoid Cross Site Scripting vulnerabilities? Cryptography ☐ If you are storing player data have you implemented the best practices outlined in RFC 157? Where passwords are used are you securely transmitting and storing them? Does your TLS configuration implement the best practices outlined in RFC 0157a? **Access Control** If you have an external facing API have you implemented rate limiting and authentication? Are admin panels only accessible from whitelisted IP's? Are you using session specific tokens for form submissions to prevent Cross Site Request Forgery? Do players authenticated session automatically expire after a certain period of idle time? Have you implemented brute force protections for all authentication points?

Validation of Data

SQL

Using Django's querysets, the resulting SQL will be properly escaped by the underlying database driver. In addition, Django also gives developers power to write raw SQL queries.

If you absolutely must write raw SQL for your application make sure you use parameterized queries to avoid potential SQL Injection vulnerabilities.

Good Example:

```
Person.objects.raw('SELECT * FROM myapp_person WHERE last_name = %s', [lname])
```

Bad Example:

```
Person.objects.raw('SELECT * FROM myapp_person WHERE last_name = ' + lname)
```



