



Bug Bytes #170 – Evasive vulnerabilities, Hacking Swagger UI & Reverse engineering REST APIs

BY ANNA HAMMOND · MAY 18, 2022 · LAST UPDATED ON MARCH 6, 2025

Bug Bytes is a weekly newsletter curated by members of the bug bounty community. The first series is curated by Mariem, better known as [PentesterLand](#). Every week, she keeps us up to date with a comprehensive list of write-ups, tools, tutorials and resources.

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This issue covers the weeks from May 9 to 16.

Intigriti news



[Intigriti invites cybersecurity players to join its global Partner Program initiative](#)

Our favorite 5 hacking items

1. Conference of the week

[Keynote Day 2 | Hunting Evasive Vulnerabilities: Finding Flaws That Others Miss by James Kettle, Slides](#)

I've been waiting for this talk recording for weeks, even more that [@albinowax](#)'s previous talks. The reason is that it is not about a single vulnerability, but about broad principles and techniques that [@albinowax](#) uses to discover new attack classes and bugs that everyone else misses.

I think we all want to know how he does it, so do not miss this talk if you are interested in Web research.

2. Tool of the week

[mitmproxy2swagger](#)

mitmproxy2swagger is a very useful tool for both developers and hackers. It automatically reverse-engineers REST APIs based on traffic captured while browsing an app. More specifically, it takes a mitmproxy capture or a HAR file (exported from browser DevTools) as input, and returns an OpenAPI 3.0 specification for the REST API.

3. Videos of the week

[Bug Bounty Redacted #3: Hacking APIs & XSS, SQLi, WAF Bypass in a regional web application](#)

[Q: How to write a BUG BOUNTY report that actually gets paid?](#)

[XSSHUNTER by @IAMandatory \(Behind The Tool #2\)](#)

I know it is supposed to be just *one* “video of the week”, but I want to celebrate three of my favorite shows that are true gifts for bug hunters.

In this Bug Bounty Redacted, [@infosec_au](#) covers two bug bounty findings. Although the reports are old, the tips for testing Swagger UIs and regional assets are very relevant today.

[@stokfredrik](#)'s Bounty Thursday is, as usual, so enjoyable and full of insightful tips, with a focus on reporting this time.

Last but not least, Behind The Tool features [@IAMandatory](#). If you like XSSHunter, this is a great discussion to know more about its author and the behind the scenes of its creation.

4. Writeups of the week

[Multiple bugs chained to takeover Facebook Accounts which uses Gmail.](#) (Meta / Facebook, \$44,625)

[Hacking Swagger-UI - from XSS to account takeovers](#) (Shopify, Paypal, GitLab, Atlassian, Yahoo, Microsoft, Jamf & others)

[@samm0uda](#)'s fantastic writeup shows how he chained client-side vulnerabilities to take over Facebook accounts, turning an “intended-by-design XSS in a Facebook sandbox domain” into a \$44+ bug bounty.

The other writeup is about a DOM XSS that [@kanntthu1](#) found in Swagger UI and reported to several bug bounty programs. This is excellent research and a good resource if you want to learn more about hacking Swagger APIs (after watching Bug Bounty Redacted #3 on the same topic).

5. Challenge / Resource of the week

[Gin and Juice Shop: put your scanner to the test](#)

“Gin and Juice Shop” is a new intentionally vulnerable web app by PortSwigger. It is intended to be used to test Burp Scanner. I think it also provides a good training ground to practice manual Web hacking after finishing the other Web Security Academy labs and courses.

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Other amazing things we stumbled upon this week

Videos

- [Bug Bounty 101: #15 – XXE \(External Entities Injection\) Basics, #16 – Login Dialogue Bypass via Password Spray / Brute Force Attack & #17: Recon Sub-domains with Intruder for Auth Bypass](#)
- [How I found the \\$1,500 SSRF in Stripe bug bounty program](#)
- [OWASP Top 10 in 10 Min! \(Kinda\)](#)
- [They said this doesn't work | Hacking networks with VLAN hopping and Python](#)

Podcasts & Audio

- [AMA session with Momen Eldawakhly](#)

Webinars

- [Cyber Apocalypse CTF 2022 – Intergalactic Chase: Live Hacking Workshops](#)
- [Tool Talks: ripgen](#)
- [Learning from AWS \(Customer\) Security Breaches with Rami McCarthy & Slides](#)
- [BHIS | How DNS can be abused for Command & Control | Troy Wojewoda](#)

Conferences

- [IWCON 2022](#)
 - [New2Cyber Summit 2022](#)

Slides & Workshop material

- [Black Hats Asia 2022](#), especially:
 - [AutoSpear: Towards Automatically Bypassing and Inspecting Web Application Firewalls](#)

Tutorials

Medium to advanced

- [Using Stolen IAM Credentials](#)
- [Securing AWS Lambda function URLs](#)
- [1-click RCE in Electron Applications & Electron JS](#)
- [LDAPSearch Reference](#)

- [Abusing Azure Container Registry Tasks](#)

Beginners corner

- [How To Hack Web Applications in 2022: Part 1](#)
- [The Linuxless recon for bug bounty beginners who can't code](#)
- [Hacking Electron Applications – 0x101 & Content Security Policy for Dummies](#)
- [PwnFox – An IDOR Hunter's Best Friend](#)

Writeups

Challenge writeups

- [HackTheBox – Fingerprint](#)
- [CloudGoat goes Serverless: A walkthrough of Vulnerable Lambda Functions](#)
- [PicoCTF 2022 Web, Reverse Engineering, Forensics, Cryptography & Binary Exploitation](#)

Pentest writeups

- [Diving Into Pre-created Computer Accounts](#)
- [Constrained environment breakout. .NET Assembly exfiltration via Internet Options](#)

Responsible(ish) disclosure writeups

- [Ruby on Rails – Possible XSS Vulnerability in ActionView tag helpers \(CVE-2022-27777\)](#) #Web #CodeReview
- [rubygems CVE-2022-29176 explained](#) #Web #CodeReview
- [CVE-2022-30525 \(FIXED\): Zyxel Firewall Unauthenticated Remote Command Injection & Nuclei template](#) #Web
- [Exploiting a Use-After-Free for code execution in every version of Python 3](#) #MemoryCorruption
- [Path Traversal Vulnerabilities in Icinga Web & RainLoop Webmail – Emails at Risk due to Code Flaw](#) #Web #CodeReview

Bug bounty writeups

- [My New Discovery In Oracle E-Business Login Panel That Allowed To Access For All Employees Information's & In Some cases Passwords At More Than 1000 Companies](#)
- [The Underrated Bugs, Clickjacking, CSS Injection, Drag-Drop XSS, Cookie Bomb, Login+Logout CSRF... \(\\$3,850\)](#)
- [Can analyzing javascript files lead to remote code execution?](#)

- [Certified: Active Directory Domain Privilege Escalation \(CVE-2022-26923\)](#) (Microsoft) & [Free TryHackMe room](#)
- [New Wine in Old Bottle – Microsoft Sharepoint Post-Auth Deserialization RCE \(CVE-2022-29108\)](#) (Microsoft)

See more writeups on [The list of bug bounty writeups](#).

Tools

- [pipe-intercept](#): Intercept Windows Named Pipes communication using Burp or similar HTTP proxy tools
- [badkeys](#): Tool and library to check cryptographic public keys for known vulnerabilities
- [Skanuvaty](#): Dangerously fast DNS/network/port scanner
- [Fastsub](#): A custom built DNS bruteforcer with multi-threading, and handling of bad resolvers

Tips & Tweets

- [How to to export nuclei findings as markdown-styled reports](#)
- [Forcing nmap to run a script \(despite no fingerprint match\)](#)
- [AWS story of a special security issue](#)
- [“Not so private” private Discord servers](#)
- [A simple XXE in ArcGIS](#)
- [A Practice Target SUPER Thread](#)
- [Brief explanation of @hakluke’s “useful little hacking tools”](#)

Misc. pentest & bug bounty resources

- [Awesome RCE techniques](#)
- [AD-Pentesting-Notes](#)
- [Container Training & Repo](#)
- @cyb_detective’s OSINT repos:
 - [code-understanding-tools](#)
 - [Awesome Grep](#)
 - [APIs for OSINT](#)
 - [GREP FOR OSINT](#)
 - [Advanced-search-operators-list](#)

Articles

- [A Tale Of A Trailing Dot](#)
- [The art of vulnerability chaining.\(PyScript\)](#)
- [Office365 User Enumeration & o365fedenum](#)
- [A new secret stash for “fileless” malware & Why the newly discovered Microsoft Windows ‘fileless’ log exploit is a marvel of stealth](#)

Challenges

- [Can you spot the vulnerability?](#)

Bug bounty & Pentest news

- Pentest
 - [How a pentester’s attempt to be ‘as realistic as possible’ alarmed cybersecurity firms](#)
 - [NIST revamps aging enterprise patch management guidance & NIST refreshes software supply chain risk management guidance](#)
- Cybersecurity
 - [Researcher stops REvil ransomware in its tracks with DLL-hijacking exploit](#)
 - [Some top 100,000 websites collect everything you type—before you hit submit](#)
- Upcoming events
 - [LevelUpX – Salesforce Object Recon by @B3nac](#) (May 20 at 4 PM UTC)
- Tool updates
 - [reconFTW v2.3](#)
 - [unfurl v0.4.0](#) (New JSON output option)
 - [x8 v3.3.0](#)
 - [Burp Sharpener now supports colorization without any additional addon](#)

Non technical

- [Guide to the 2022 OSCP Exam on M1 \(with Active Directory\)](#)

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