



Bug Bytes #158 – postMessage XSS tips, API testing toolbox & Finding 100+ bugs in WordPress plugins

BY ANNA HAMMOND · FEBRUARY 9, 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.

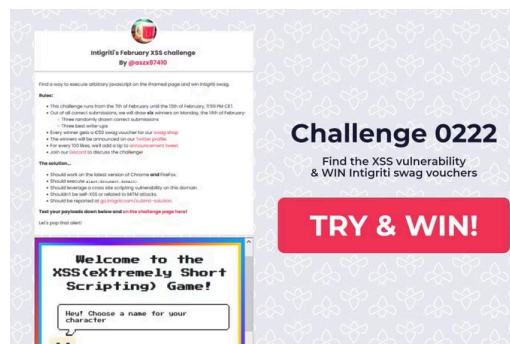
[CLICK HERE TO SUBSCRIBE](#)

This issue covers the week from January 31 to February 07, 2022.

Intigriti news



[Intigriti 1337UP LIVE 2022](#)



The image shows a promotional graphic for an XSS challenge. On the left is a screenshot of the challenge page titled "Intigriti's February XSS challenge By @aszx87410". The page contains rules, a list of prizes (including a \$400 bounty for a win), and a "TRY & WIN!" button. On the right is a larger graphic with the text "Challenge 0222 Find the XSS vulnerability & WIN Intigriti swag vouchers" and a prominent red "TRY & WIN!" button. Below the challenge page screenshot is a small browser window showing a "Welcome to the XSS (eXtremely Short Scripting) Game!" message with a text input field for a character name.

[Intigriti's February XSS challenge By @aszx87410](#)

Our favorite 5 hacking items

1. Tutorial of the week

[eventlistener-xss-recon](#)

This is worth a read if you're interested in postMessage XSS. [@oliverrickfors](#) shares a methodology to easily find addEventListener in JS files (given a list of hosts as input), then what to do next to test and exploit them for XSS.

2. Writeups of the week

[Solving DOM XSS Puzzles](#)

[CVE-2022-21703: cross-origin request forgery against Grafana](#)

Can't get enough of postMessage XSS? Check out [@spaceraccoonsec](#)'s writeup on two XSS vulnerabilities he found on bug bounty programs. They involve interesting bypasses and advanced tips worth adding to any DOM XSS methodology.

Another interesting finding is a CSRF found on Grafana by [@jub0bs](#) and [@theabrahack](#). It could basically make a Grafana Admin unwittingly send you a user invite to become admin of their instance, demonstrating that CSRF is definitely not dead.

3. Video of the week

[My API Testing Automated Toolbox](#)

Testing a small intentionally vulnerable API is one thing, but where to start when you're looking for bugs in a large API with thousands of requests on a hardened bug bounty target?

Watch [@InsiderPhD](#) explain a sensible approach that combines automation and a manual workflow, with details on the tools she recommends.

4. Article of the week

[A technique to semi-automatically find vulnerabilities in WordPress plugins](#)

What is better than finding a vulnerability in a WordPress plugin? Finding over 100 vulnerabilities in dozens of popular WordPress plugins!

[@kazet1234](#) details a semi-automatic approach used to scan for multiple vulnerability classes including XSS, SQL injection, CSRF, arbitrary file read and more. Amazing research that is interestingly transferable to other CMSes.

5. Tool & Tip of the week

[fonetic-go](#)

[35 bytes PHP backdoor that's protected by a password & supports arbitrary function calls](#)

[@s0md3v](#) just dropped these two beautiful gems. The first one is a Go tool that tells you whether a string is machine-generated or human readable. I'm not sure which use case he has in mind, but I'd use this to programmatically extract potential secrets from code.

The second tool is a neat PHP webshell that is protected by a password and supports arbitrary function calls despite being very short. From now on, this is my go-to PHP webshell!

[SHARE ON TWITTER](#)

Other amazing things we stumbled upon this week

Videos

- [OrwaGodFather Methodology](#)
- [100 hours of bug bounty on a public Hackerone program. Bounty vlog #1 – Stripe](#)
- [Listen and learn from pentester Rana Khalil](#)
- [_Bug Bounty Recap_ January 27 – February 2](#)
- [How to Be an Ethical Hacker in 2022 & Blog post](#)
- [Assembly – Pwn Zero To Hero 0x00](#)
- [Reverse Engineering 101 – Introduction to IDA PRO: Reversing/Patching a Binary from crackmes.one](#)

Podcasts

- [History of Hacking. Joe “Kingpin” Grand, Hardware Hacker. Former L0pht Member.](#)

Webinars

- [OAuth 2.0 Hacking for Beginners with Farah Hawa](#)
- [Vulns Unleashed: Pwnkit](#)
- [\[SecWed\] 26 Jan 22 | Automate Reverse Engineering CTF with Angr & An introduction to container hacking](#)

Conferences

- [DefCamp 2021](#), especially:
 - [Abusing.postMessage API for 6 figures/year](#)
 - [What it takes to be good at bug bounty hunting](#)
 - [Recipe for a beginner in bug bounty hunting](#)
- [ChaosDB: How We Hacked Databases of Thousands of Azure Customers \(rev\)](#)
- [CactusCon 10](#)

Slides & Workshop material

- [Attacking JavaScript Engines in 2022](#)

Tutorials

- [Nmap: Host Discovery](#)
- [How to restrict XXE resolving? #BlueTeam](#)
- [Vulnerabilities that aren't. ETag headers](#)
- [OSINT without APIs](#)
- [I'm Bringing Relaying Back: A Comprehensive Guide On Relaying Anno 2022](#)

Writeups

Challenge writeups

- [SSTI Method Confusion in Go.](#)
- [UHC - Pressed](#)
- [SQLi, SSTI & Docker Escapes / Mounted Folders - HackTheBox University CTF "GoodGame"](#)
- H1-CTF Hacky Holidays Writeups [by akshansh](#) & [w31rd0](#)

Pentest writeups

- [How We "Forced" Our Client To Fix A Low Severity Security Bug And Still Got Appreciated!](#)

Responsible(ish) disclosure writeups

- [My experience of Hacking The Dutch Government #Web](#)
- [Don't trust comments #Web](#)
- [A misconfigured Apache Airflow to AWS Account Compromise](#)
- [Malicious Kubernetes Helm Charts can be used to steal sensitive information from Argo CD deployments #CI/CD](#)
- [CoronaCheck App TLS certificate vulnerabilities #iOS #Android](#)

Bug bounty writeups

- [What Bypassing Razer's DOM-based XSS Patch Can Teach Us](#)
- [How I approached Dependency Confusion!](#)
- [Abusing Facebooks **Call To Action** To Launch Internal Deeplinks](#) (Facebook, \$4,000)
- [My first bounty, IDOR + Self XSS \[€3000\]](#) (Intigriti, \$3,000)
- [HigherLogic Community RCE Vulnerability](#) (\$1,250)

- [A wontfix request header injection vulnerability in net/http](#) (Ruby)
- [CVE-2021-44142: Details On A Samba Code Execution Bug Demonstrated At Pwn2Own Austin](#) (\$45,000)

Tools

- [LFIDump](#): A simple python script to dump remote files through a local file read or local file inclusion web vulnerability
- [Aerides](#) & [Intro](#): An implementation of infrastructure-as-code scanning using dynamic tooling
- [SMBSR](#): Lookup for interesting stuff in SMB shares
- [SMBeagle](#): SMB fileshare auditing tool that hunts out all files it can see in the network and reports if the file can be read and/or written (useful for lateral movement and privilege escalation)
- [EvilSelenium](#): A C# tool that weaponizes Selenium to attack Chrome

Tips & Tweets

- [@mrtuxracer](#), [@equat0rium](#) & [@samm0uda](#)'s inspiring success stories
- [Get an alert\(1\) by swearing at JavaScript](#)
- [Bypass for XSS filters that allow SVG tags](#)
- [XSS filter bypass](#)
- [How to limit the RAM used by Burp](#)

Misc. pentest & bug bounty resources

- [InsecureProgrammingDB](#): Insecure programming functions database
- [Awesome Cyber Security Newsletters](#)
- [Linux /proc/ virtual file system in one single page](#)
- [Top 25 Browser Extensions for Pentesters and Bugbounty Hunters \(2022\)](#)
- [File formats, Techniques and Tools that can be used to execute code in MS Office](#)
- [reapoc](#)

Articles

- [GitHub: The Red-Teamer's Cheat-Sheet](#)
- [Windows Drivers Reverse Engineering Methodology](#)
- [How Android updates work: A peek behind the curtains from an insider](#)

- [Linux \(In\)security](#)
- [Windows Persistence Using WSL2](#)

Challenges

- [Intigriti's February XSS challenge By @aszx87410](#)
- [wrongsecrets](#): Examples with how to not use secrets

Bug bounty & Pentest news

- Bug bounty
 - [Intel Launches Project Circuit Breaker \(A new expansion of its Bug Bounty program\)](#)
 - [Announcing the public launch of Cloudflare's bug bounty program](#)
- Cybersecurity
 - [Bittersweet Symfony: Devs accidentally turn off CSRF protection in PHP framework](#)
 - [Microsoft to block internet macros by default in five Office applications](#)
 - [Open Source Security Foundation launches new initiative to stem the tide of software supply chain attacks](#)
- Upcoming events
 - [Intigriti 1337UP LIVE](#) (March 12)
 - [Hacking Battlegrounds #4: Valentine's Special - Hacking Will Tear Us Apart!](#) (Live stream on February 18)
- Tool updates
 - [Findomain v6.0.0](#) (Breaking changes)
 - [reconFTW v2.2](#)
 - [Mythic 2.3 — An Interface Reborn](#) & [Apollo 2.0 — New Year, New Features](#)

Non technical

- [CVELE: Wordle but for CVE!](#)
- [Stop Storing Secrets In Environment Variables!](#)

REQUEST A DEMO

intigriti.com/demo

VISIT THE WEBSITE

intigriti.com

GET IN TOUCH

hello@intigriti.com