



Web Security – IE2062

Topic: Bug Bounty Report 8

Y2S2.WE.CS

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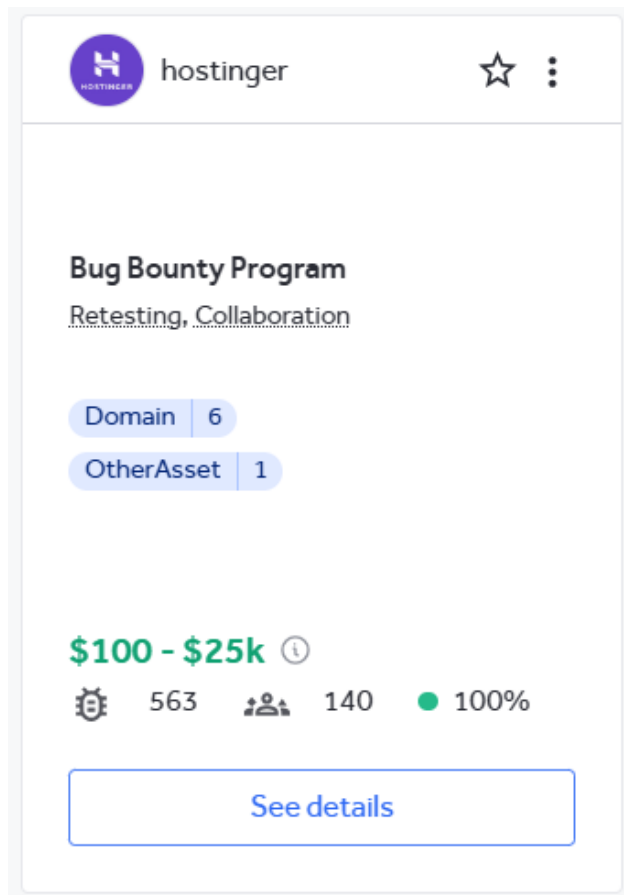
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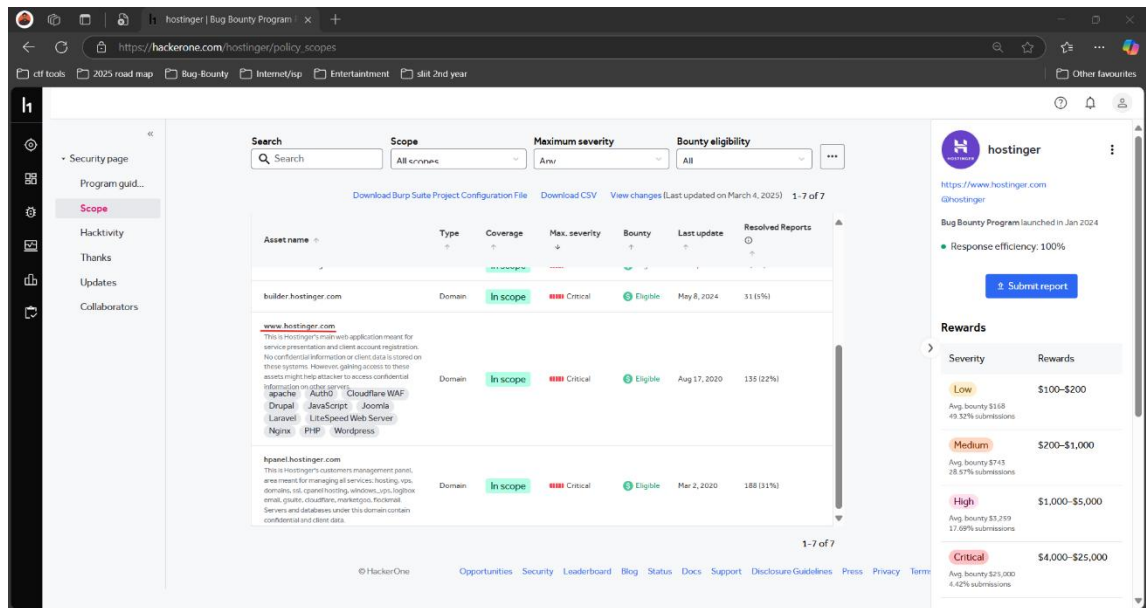
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How I started?

1. Once I search from Hacker one, I saw a hostinger bug bounty program.

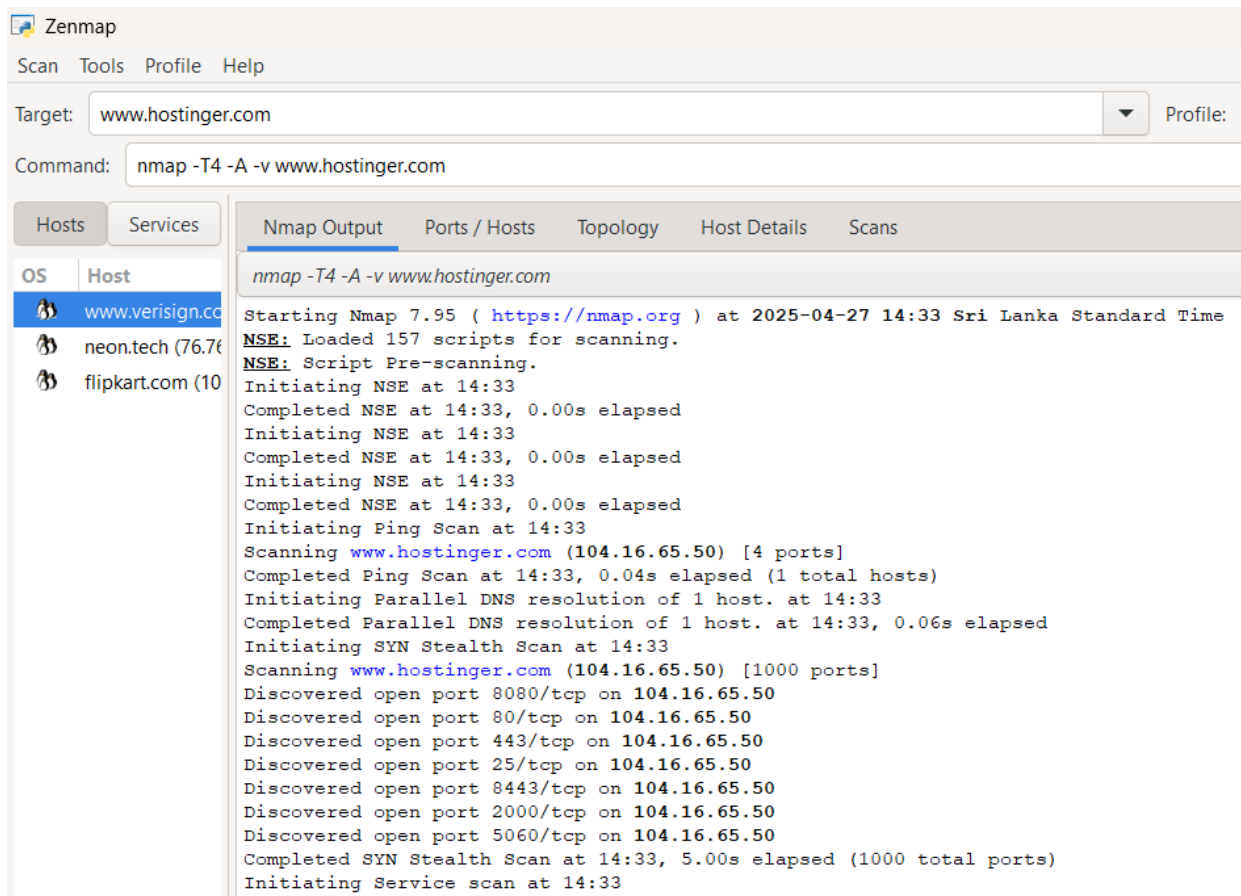


2. Then, I discovered full main domain allowed for scope, so that I choose <https://www.hostinger.com> .



3. I use several methods/tools to do penetration testing.

4. First, I used Nmap. It helps me to find what are the open ports, Identify the web technologies such as web servers.



5. Secondly, I used Subfider tool to find hidden or forgotten web asserts. Because hidden web assert can have poor security, unpatched vulnerabilities.



```
SD7 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
1 2 3 4 5
File Actions Edit View Help
root@kali2025: ~ x root@kali2025: ~ x root@kali2025: ~ x
marketing.hostinger.com
sso.hostinger.com
auth-db247.hostinger.com
validieren.hostinger.com
academy.hostinger.com
us-files.hostinger.com
titanmail.hostinger.com
sahkan.hostinger.com
mailer.hostinger.com
cdn.hostinger.com
validate1.hostinger.com
ping.bnk.hostinger.com
www.roadmap.hostinger.com
autoconfig.mail.hostinger.com
post.hostinger.com
files.hostinger.com
affs-stats.hostinger.com
validate7.hostinger.com
valideren.hostinger.com
imap-mpa.hostinger.com
mailstorage-test.hostinger.com
hostmaster.hostinger.com
stats.hostinger.com
validate4.hostinger.com
validate5.hostinger.com
mx1.hostinger.com
ecommerce.hostinger.com
e.account.hostinger.com
titancalendar.hostinger.com
e.email.hostinger.com
webmail1.hostinger.com
ns2.hostinger.com
auth-db196.hostinger.com
confirmar.hostinger.com
connect.hostinger.com
mg.store.hostinger.com
convalida.hostinger.com
valider.hostinger.com
verifikatsiya.hostinger.com
www.marketing.hostinger.com
any2.hostinger.com
mx2.hostinger.com
pop-mpa.hostinger.com
flockcontacts.hostinger.com
dogrula.hostinger.com
validera.hostinger.com
[INF] Found 138 subdomains for hostinger.com in 30 seconds 5 milliseconds
(root@kali2025)-[~]
```

6. Thirdly, I used Wafwoof tool to find website is protected by a WAF (web application firewall). Because if WAF is active, so pen testers do their test without blocked, and they can do their testing with bypass WAF.

```

File Actions Edit View Help

~ WAFW00F : v2.3.1 ~

[*] Checking https://www.hostinger.com/
[+] The site https://www.hostinger.com/ is behind Cloudflare (Cloudflare Inc.) WAF.
[~] Number of requests: 2

(root@kali2025)-[~]
# wafw00f https://coda.io/

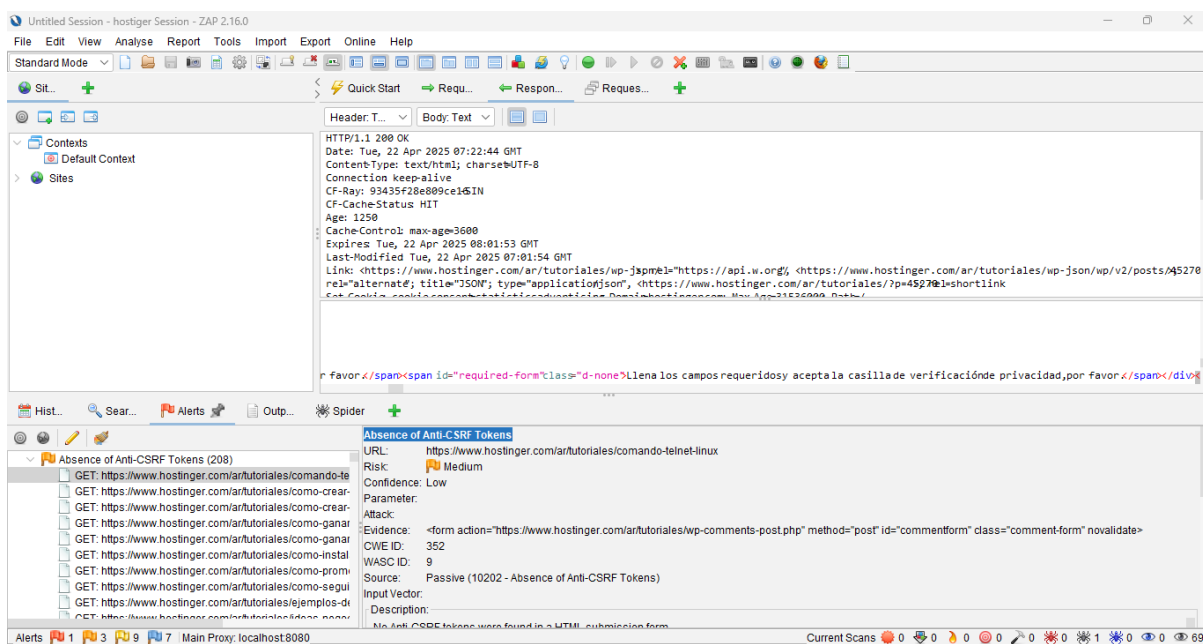
      ?
    ( _ ) ;   ??
    /  _  \
    \  _  /

      ( _ ) ;   ??
      /  _  \
      \  _  /

~ WAFW00F : v2.3.1 ~
~ Sniffing Web Application Firewalls since 2014 ~

```

7.Finally, I use OWASP zap to automatically find the vulnerabilities.



With getting these tool's support, I found below details about vulnerability.



2) Introduction

1.1 Domain	https://www.hostinger.com
1.2 Severity	• Medium

3) Vulnerability

3.1 Vulnerability title	Absence of Anti-CSRF Tokens OWASP_2021_A01 CWE-352
3.2 Vulnerability description	<p>No Anti-CSRF tokens were found in a HTML submission form. A cross-site request forgery is an attack that involves forcing a victim to send an HTTP request to a target destination without their knowledge or intent in order to perform an action as the victim.</p> <p>The underlying cause is application functionality using predictable URL/form actions in a repeatable way. The nature of the attack is that CSRF exploits the trust that a web site has for a user. By contrast, cross-site scripting (XSS) exploits the trust that a user has for a web site.</p> <p>Like XSS, CSRF attacks are not necessarily cross-site, but they can be. Cross-site request forgery is also known as CSRF, XSRF, one-click attack, session riding, confused deputy, and sea surf.</p> <p>CSRF attacks are effective in a number of situations, including:</p> <ul style="list-style-type: none">* The victim has an active session on the target site.* The victim is authenticated via HTTP auth on the target site.* The victim is on the same local network as the target site. <p>CSRF has primarily been used to perform an action against a target site using the victim's privileges, but recent techniques have been discovered to disclose information by gaining access to the response.</p> <p>The risk of information disclosure is dramatically increased when the target site is vulnerable to XSS, because XSS can be used as a platform for CSRF, allowing the attack to operate within the bounds of the same-origin policy.</p>

3.3 Affected components	<p>“ https://www.hostinger.com/fr/tutoriels/wp-comments-post.php” form does not include an anti-CSRF token.</p> <p>Evidence:</p> <pre><form action="https://www.hostinger.com/fr/tutoriels/wp-comments-post.php" method="post" id="commentform" class="comment-form" novalidate></pre>
3.4 Impact assessment	<p>Risk of Unauthorized Actions: The Hacker can forge a malicious POST request that performs unwanted submissions or actions within the victim's authenticated session.</p> <p>Privilege Abuse: The session of the victim can be used for posting or submitting data without authorization when the user(victim) is logged in.</p> <p>Chained Attack Vector: In combination with XSS, the Hacker would be capable of bypassing CSRF protections completely and performing automated attacks within the same origin.</p>
3.5 Steps to reproduce	<p>Here are the steps to reproduce:</p> <ol style="list-style-type: none"> 1. Go to ZAP tool or Zap generated report. 2. Then check the Response body

	<div data-bbox="427 230 635 533"> <p>Response</p>  </div> <ul style="list-style-type: none"> ► Status line and header section (1302 bytes) ▼ Response body (254174 bytes) <pre><!DOCTYPE html> <html lang="en-US"> <head><meta charset="UTF-8"></pre> <p>3. by using CTRL+F search about CSRF in our respond header, we can't find any.</p>
<p>3.6 Proof of concept</p>	<ul style="list-style-type: none"> ▼ Response body (234901 bytes) <pre><!DOCTYPE html> <html lang="fr-FR"> <head><meta charset="UTF-8"> <script>if(navigator.userAgent.match(/MSIE Internet</pre> <p>Ctrl+f and search.</p> <div data-bbox="427 1397 1353 1702">  <p>The screenshot shows a web browser window with a URL bar containing 'sliit 2nd year'. The page content includes a form with the following HTML structure:</p> <pre><form action="https://www.h... case de la confidentialite.Veuillez remplir les champs obligatoires et accepter la case de confidentialité.</div><form action="https://www.hostinger.com/fr/tutoriels/wp-comments- post.php" method="post" id="commentform" class="comment- form" novalidate><div id="comment-textarea-input-border" class="new-input-border position-relative mt-20 mt-30-sm"></pre> </div> <p>This form does not include a CSRF token like csrf_token or _csrf.</p> <p>ex:-</p> <pre><input type="hidden" id="ak_js_1" name="ak_js" value="111"/> <script</pre> <p>If this is secured it should be like this:</p>

	<p><input type="hidden" name="csrf_token" value="d7g8f9we78fywe97f"></p> <p>But this site doesn't use CSRF field, that means this site doesn't use CSRF. If it is there, they should mention it.</p> <p>So the danger is which would enable an attacker to form a malicious POST request that would be accepted by the server in case the user is authenticated.</p>
3.7 Proposed mitigation or fix	<p>Phase 01: Architecture and Design</p> <p>Use a vetted library or framework that does not allow this weakness to occur or provides constructs that make this weakness easier to avoid.</p> <p>For example, use anti-CSRF packages such as the OWASP CSRFGuard.</p> <p>Phase 02: Implementation</p> <p>Ensure that your application is free of cross-site scripting issues, because most CSRF defenses can be bypassed using attacker-controlled script.</p> <p>Phase 03: Architecture and Design</p> <p>Generate a unique nonce for each form, place the nonce into the form, and verify the nonce upon receipt of the form. Be sure that the nonce is not predictable (CWE-330).</p> <p>Note that this can be bypassed using XSS.</p> <p>Identify especially dangerous operations. When the user performs a dangerous operation, send a separate confirmation request to ensure that the user intended to perform that operation.</p> <p>Note that this can be bypassed using XSS.</p> <p>Use the ESAPI Session Management control.</p> <p>This control includes a component for CSRF.</p> <p>Do not use the GET method for any request that triggers a state change.</p> <p>Phase 04 : Implementation</p> <p>Check the HTTP Referer header to see if the request originated from an expected page. This could break legitimate functionality, because</p>

	users or proxies may have disabled sending the Referer for privacy reasons.
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