

Ethical Hacking Internship

Sakshi Gawande

Institutional Affiliation: Internship Studio

-:Task-2:-

Task: Find 3 Critical Vulnerabilities of

"http://zero.webappsecurity.com/" website.

Due Date: August 24, 2022



Find 3 Critical Vulnerabilities of

"http://zero.webappsecurity.com/" website.

Ports Scanning

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Paret Terminal

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1st Vulnerability

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Apache Tomcat/Coyote JSP engine 1.1

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Port Torminal

The SSI protocol 3.0, as used in OpenSSL through 1.0.11 and other products, uses mondeterministic CSC padding, which makes it easier.

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For man-in-the-middle, attacks, no obtain cleartext data via a padding-oracle attack, aka the "POODLE" issue.

Disclaration of the state of the padding-oracle attack, aka the "POODLE" issue.

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→ Vulnerable

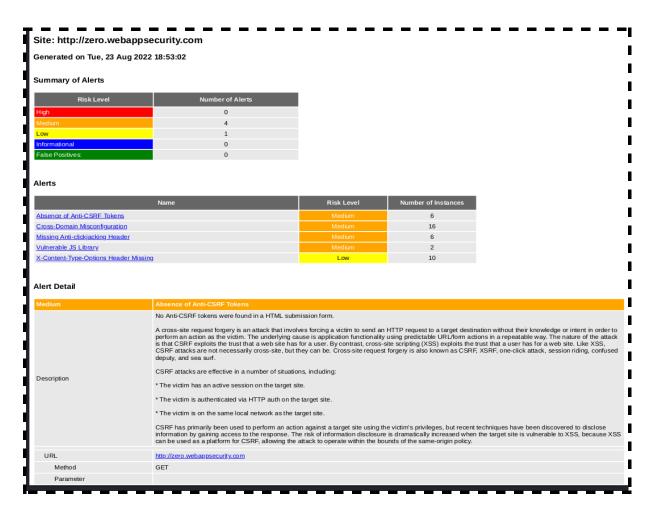
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→ Vulnerable



→ Vulnerable

Address

• 54.82.22.214 (ipv4)

Hostnames

- · zero.webappsecurity.com (user)
- ec2-54-82-22-214.compute-1.amazonaws.com (PTR)

Ports

The 65353 ports scanned but not shown below are in state: filtered

· 65353 ports replied with: no-responses

Port		State (toggle closed [0] filtered [0])	Service	Reason	Product	Version	Extra info
80	tcp	open	http	syn-ack			
443	tcp	open	https	syn-ack			
8080	tcp	open	http-proxy	syn-ack			



2nd Vulnerability

Low (CVSS: 2.6)

NVT: OpenSSL: ECDSA Private Key Leak (CVE-2011-1945) - Windows

Product detection result

cpe:/a:openssl:openssl:0.9.8t

Detected by OpenSSL Detection Consolidation (OID: 1.3.6.1.4.1.25623.1.0.145462)

Summary

OpenSSL leaks ECDSA private key through a remote timing attack.

Vulnerability Detection Result

Installed version: 0.9.8t Fixed version: None

Installation

path / port: 80/tcp

❖ 3rd Vulnerabilities

Medium (CVSS: 4.3)

NVT: Apache HTTP Server 'httpOnly' Cookie Information Disclosure Vulnerability

Product detection result

cpe:/a:apache:http_server:2.2.6

Detected by Apache HTTP Server Detection Consolidation (OID: 1.3.6.1.4.1.25623.1 \hookrightarrow 0.117232)

Summary

Apache HTTP Server is prone to a cookie information disclosure vulnerability.

Vulnerability Detection Result

Vulnerability was detected according to the Vulnerability Detection Method.

Impact

Successful exploitation will allow attackers to obtain sensitive information that may aid in further attacks.