

TASK 1 -: You can visit Portswigger labs and Choose any 5 lab of them and solve it.

1- Vulnerabilities -:

- 1- Stored XSS into HTML context with nothing encoded.**
- 2- Reflected XSS into HTML context with nothing encoded.**
- 3- DOM XSS in document.**
- 4 - DOM XSS in inner HTML.**
- 5- DOM XSS in jQuery anchor**

2- Description -: Cross site scripting is a type of computer security vulnerability, the attacker aims to execute malicious script in a web browser of the victim by including malicious code a legitimate web page of web application.

DOM XSS -: DOM-based XSS vulnerabilities usually arise when JavaScript takes data from an attacker-controllable source, such as the URL, and passes it to a sink that supports dynamic code execution, such as **eval()** or **innerHTML**. This **enables attackers to execute** malicious JavaScript, which typically allows them to hijack other users' accounts.

3- Severity -: Average

4- Instance -:

Vuln 1 - Submit a comment that calls the alert function when the blog post -
URI - <https://0a7e00f003d1396080c494d600cd0081.web-security-academy.net/post/comment/confirmation?postId=9>.

Vuln 2 - I am perform a cross-site scripting attack that calls the alert function in search box.

Vuln 3 – First I'm entering alphanumeric words into search box

Then I will Right-click and inspect the element, and observe that your random string has been placed inside an `img src` attribute.

Vuln 4 - When I Enter the `` Into the search box:

Vuln 5 - I am perform the query parameter return Path to the feedback

And I am pass the query “acds1234”

Right-click and inspect the element, and observe that your random string has been placed inside a href attribute.

Then I Change return Path to “javascript:alert(document.cookie)”

3-POC (Proof of concept) - :

1 - Stored XSS into HTML context with nothing encoded.

1 - First I trying to put alert function in comment box in the blog post

[Leave a comment](#)

Comment:

`<script>alert (1) </script>`

Name:

Email:

Website:

[Post Comment](#)

[< Back to Blog](#)

Then finally I'm success in Alert function as you can see

Congratulations, you solved the lab!

Share your skills!



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Thank you for your comment!

Your comment has been submitted.

[< Back to blog](#)

Vulnerability 2 - Reflected XSS into HTML context with nothing encoded.

– First I trying to put alert function in search box.

[Home](#)

WE LIKE TO BLOG

Search

Then finally I'm success in Alert function as you can see

0a34008503b4bbbb80a7449000fc00bc.web-security-academy.net/?search=+<script>alert+%281%29+<%2Fscript>

0a34008503b4bbbb80a7449000fc00bc.web-security-academy.net says

1

OK



Congratulations, you solved the lab!

[Share your skills!](#)[Continue learning >>](#)[Home](#)

0 search results for ''

Search

Vulnerability 3 - DOM XSS in document

Step – I am trying to submit random alphanumeric word in search box. When I right click inspect the element Then I am observing that my string has been placed inside an img src.


[Home](#)

WE LIKE TO
BLOG 

Search



As you can see



DOM XSS in document.write sink using source location.search

LAB Not solved

Back to lab description >>

Home

0 search results for 'jhbb768'

Search the blog


Search

```

<!DOCTYPE html>
<html>
<head>
</head>
<body>
<script src="/resources/labheader/js/labHeader.js"></script>
<div id="academyLabHeader"></div>
<div theme="blog">
<section class="maincontainer">
<div class="container is-page">
<header class="navigation-header"></header>
<header class="notification-header"></header>
<section class="blog-header">
<h1>0 search results for 'jhbb768'</h1>
<hr>
</section>
<section class="search">
<script>


```

After I am putting our "><svg onload=alert(1)> command in search box



DOM XSS in document.write sink using source location.search

LAB Not solved

Back to lab description >>

Home

0 search results for '><svg onload=alert(1)>'


Search the blog

Search

0abe00f604ff05a0838e8acb009b0047.web-security-academy.net says
1

OK

Then I m received a pop msg its indicate our alert function run successful



DOM XSS in document.write sink using source location.search

LAB Solved

Back to lab description >>

you solved the lab!

Share your skills!

Continue learning >>

Home

0 search results for '><svg onload=alert(1)>'

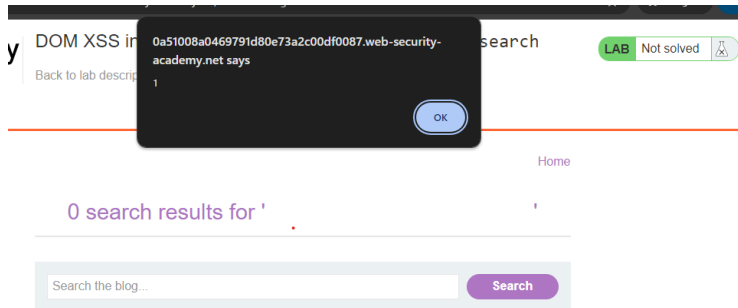
Search the blog

Search

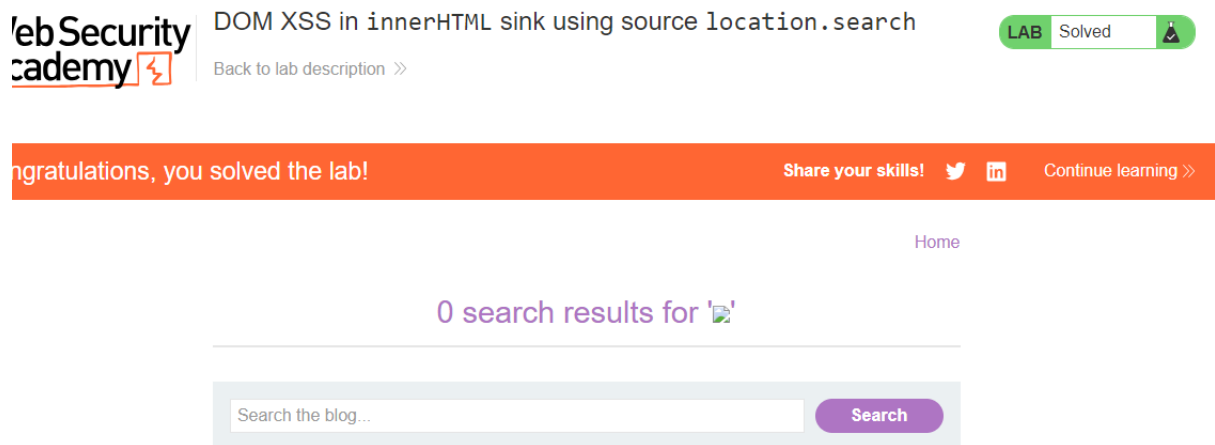
Vulnerability 4 - DOM XSS in inner HTML.

When I Enter the `` Into the search box:

I am received a pop up



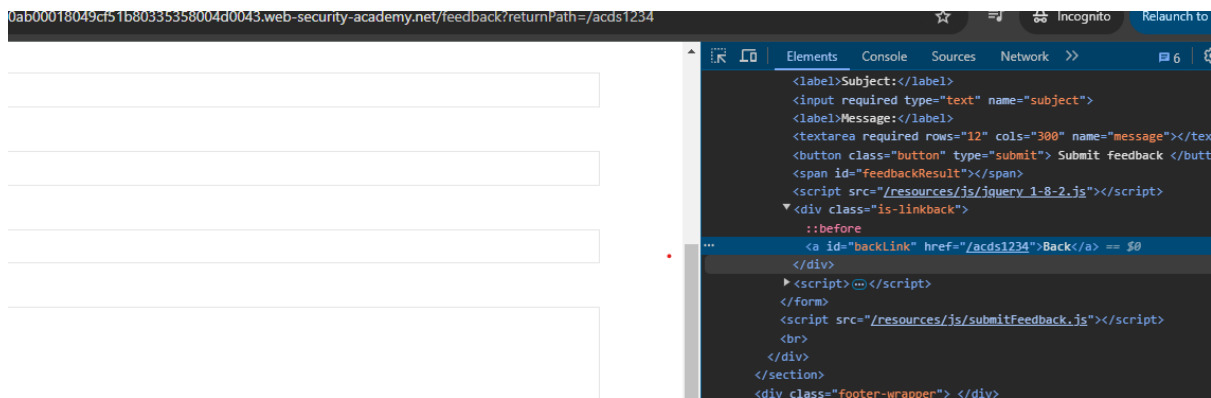
And finally I am succeed as you can see



Vulnerability 5 - DOM XSS in jQuery anchor

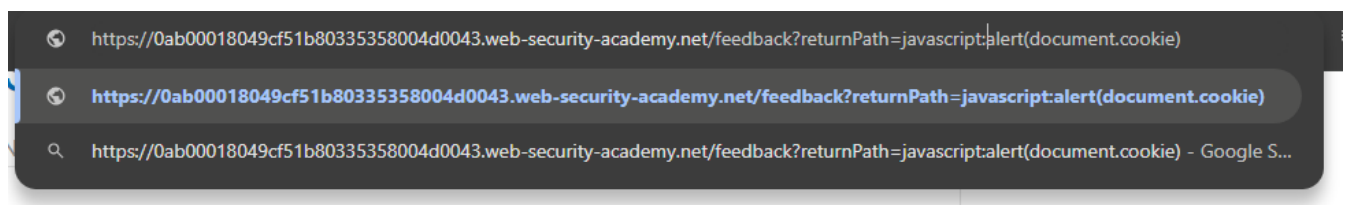
I am perform the query parameter returnPath to the feedback

And I m pass the query “acds1234”



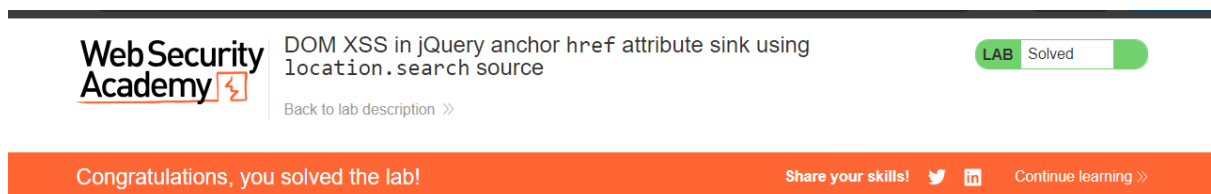
Right-click and inspect the element, and observe that your random string has been placed inside an a href attribute.

Then I Change return Path to “javascript:alert(document.cookie)”



Email:

Finally I am succeed. As you can see



6- Impact - :

- Open Redirection
- Session Hijack
- Phishing
- Defacement
- Cookie Stealing.

Task 2 – Find three high vulnerability in <http://zero.webappsecurity.com>

1-: Vulnerability –

- **SSL Version 2 and 3 Protocol Detection** - CVSS v3.0 Base Score: 9.8
- **SSL Medium Strength Cipher Suites Supported (SWEET32)** - CVSS v3.0 Base Score: 7.5
- **HSTS Missing from HTTPS server** – CVSS v3.0 Base Score: 6.5.
- **TLS Version 1.0 protocol Detection** - CVSS v3.0 Base Score: 6.5.
- **JQuery 1.2 < 3.5.0 Multiple XSS** - CVSS v3.0 Base Score: 6.1.

Vuln1 -: SSL Version 2 and 3 Protocol Detection - CVSS v3.0 Base Score: 9.8

Severity -: Critical.

Description -: The remote service accepts connections encrypted using SSL 2.0 and/or SSL 3.0. These versions of SSL are affected by several cryptographic flaws, including.

Impact - An insecure padding scheme with CBC ciphers. Insecure session renegotiation and resumption schemes. An attacker can exploit these flaws to conduct man-in-the-middle attacks or to decrypt communications between the affected service and clients.

Mitigation -: Consult the application's documentation to disable SSL 2.0 and 3.0.
Use TLS 1.2 (with approved cipher suites) or higher instead

Vuln2 -: SSL Medium Strength Cipher Suites Supported (SWEET32) - CVSS v3.0 Base Score: 7.5

Severity -: Medium

Description -: The remote host support the use ciphers that offer medium strength encryption.

Impact - That it is the affected application easier to circumvent medium strength encryption if the attacker is on the same physical network.

Mitigation -: Reconfigure the affected application if possible to avoid use of medium strength cipher.

Vuln3 -: HSTS Missing from HTTPS server – CVSS v3.0 Base Score: 6.5.

Severity -: Medium

Description -: The remote web server is not enforcing HSTS, as defined by RFC 6797.

HSTS is an optional response header that can be configured on the server to instruct the browser to only communicate via HTTPS. The lack of HSTS allows downgrading attacks, SSL-stripping **man-in-the-middle-attack**, and weakens cookies-hijacking protection.

Impact - SSL-stripping **man-in-the-middle-attack**, and weakens cookies-hijacking protection.

Mitigation -: Configure the remote web server to use HSTS.

Vuln4 -: TLS Version 1.0 protocol Detection - CVSS v3.0 Base Score: 6.5.

Severity -: Medium

Description -: The remote service accepts connections encrypted using TLS 1.0.

TLS 1.0 has a number of cryptographic design flaws. Modern implementations of TLS 1.0 mitigate these problems. But newer versions of TLS like 1.2 and 1.3 are designed against these flaws and should be used whenever possible.

Impact - PCI DSS v3.2 required that TLS 1.0 be disabled entirely by June 30, 2018. Except for POI terminal that can be verified as not being susceptible to any known exploits.

Mitigation -: Upgrading to a current, secure version of TLS that is implemented securely and configured to not accept fall back to SSL or early TLS.

Encrypting data with strong cryptography before sending over SSL/early TLS.

Setting up a strongly-encrypted session first (e.g. IPsec tunnel), then sending data over SSL within secure tunnel.

Vuln5 -: JQuery 1.2 < 3.5.0 Multiple XSS - CVSS v3.0 Base Score: 6.1.

Severity -: Medium

Description -: According to the self-reported version in the script, the version on JQuery hosted web server is greater than or equal to 1.2 and prior to 3.5.0.

Impact - It is therefore, affected by multiple cross-site scripting vulnerabilities.

Mitigation -: Upgrade to JQuery version 3.5.0 or latest.

Step to reproduce -:

- First I'm used **Nikto** tool for finding Vulnerability in my target website.

Nikto -h <http://zero.webappsecurity.com>

- Then I'm trying to find hidden folder in target with the help of **gobuster** penetration testing tool.

Gobuster -timeout 30s dir -u <http://zero.webappsecurity.com> -w /usr/share/wrodlits/dirb/big.txt -x txt,zip,php,html.

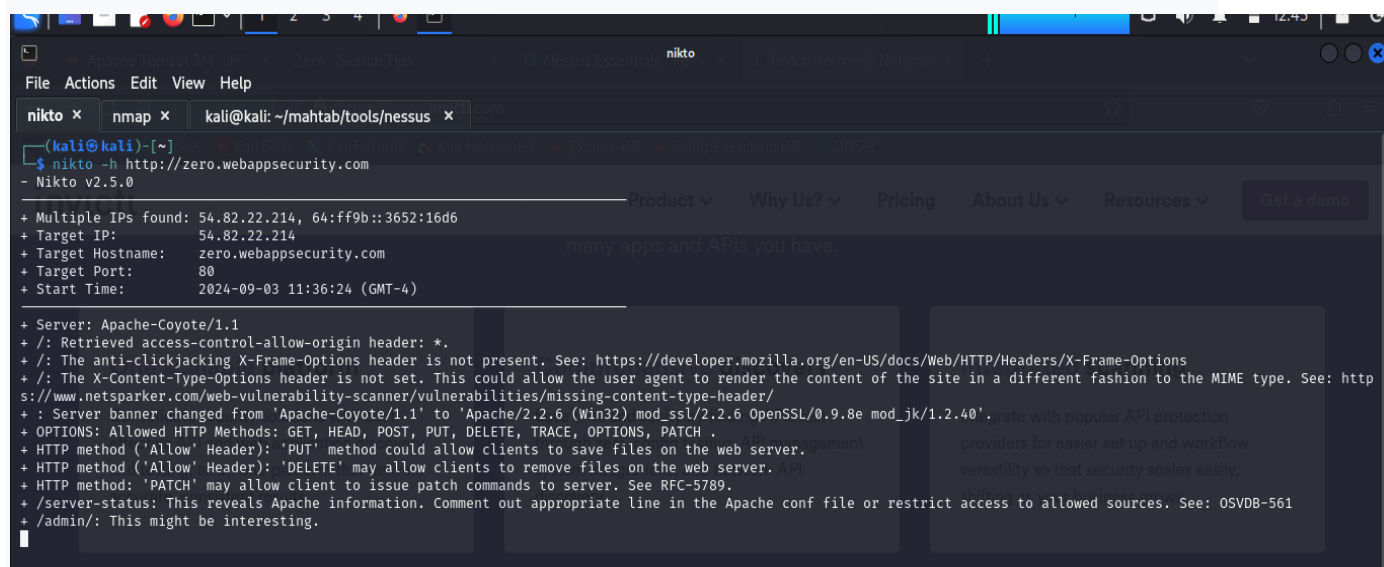
And amazingly I'm finding some important hidden file - **/cgi.zip** , **/debug.txt** , **/feedback.html** , **/index.html** , **/login.html**. we can use for gain unauthorised access.

- Then I'm used **nmap** for gain some other information of the target website. Where I find some port, services, and weak point's in system. **Like - port (80, 443 & 8080)**. Where I **seeing Tomcat Jsp engine running on port 80**. Then I'm checking on **exploit db** we got the **CVV** and other details related this vulnerability.

- Then finally I'm using **Nessus** tools for finding some other's vulnerability I target system. And I got some valuable and weak point in target system. And I'm finding some other vulnerability with the help of Nessus tool.

POC -:

Nikto -



```
(kali@kali)-[~]
$ nikto -h http://zero.webappsecurity.com
- Nikto v2.5.0

+ Multiple IPs found: 54.82.22.214, 64:ff9b::3652:16d6
+ Target IP: 54.82.22.214
+ Target Hostname: zero.webappsecurity.com
+ Target Port: 80
+ Start Time: 2024-09-03 11:36:24 (GMT-4)

+ Server: Apache-Coyote/1.1
+ /: Retrieved access-control-allow-origin header: *.
+ /: The anti-clickjacking X-Frame-Options header is not present. See: https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options
+ /: The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the MIME type. See: http
s://www.netsparker.com/web-vulnerability-scanner/vulnerabilities/missing-content-type-header/
+ Server banner changed from 'Apache-Coyote/1.1' to 'Apache/2.2.6 (Win32) mod_ssl/2.2.6 OpenSSL/0.9.8e mod_jk/1.2.40'.
+ OPTIONS: Allowed HTTP Methods: GET, HEAD, POST, PUT, DELETE, TRACE, OPTIONS, PATCH .
+ HTTP method ('Allow' Header): 'PUT' method could allow clients to save files on the web server.
+ HTTP method ('Allow' Header): 'DELETE' may allow clients to remove files on the web server.
+ HTTP method: 'PATCH' may allow client to issue patch commands to server. See RFC-5789.
+ /server-status: This reveals Apache information. Comment out appropriate line in the Apache conf file or restrict access to allowed sources. See: OSVDB-561
+ /admin/: This might be interesting.
```

Gobuster -:

```
File Actions Edit View Help
nikto x nmap x nessus x gobuster x kali@kali: /usr/share/wordlists x

(kali@kali)-[~/Downloads]
$ gobuster --timeout 30s dir -u http://zero.webappsecurity.com -w /usr/share/wordlists/dirb/big.txt -x txt,php,zip,html

Gobuster v3.6
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)

[+] Url: http://zero.webappsecurity.com
[+] Method: GET
[+] Threads: 10
[+] Wordlist: /usr/share/wordlists/dirb/big.txt
[+] Negative Status codes: 404
[+] User Agent: gobuster/3.6
[+] Extensions: txt,php,zip,html
[+] Timeout: 30s

Starting gobuster in directory enumeration mode

/103.html (Status: 503) [Size: 323]
/104.txt (Status: 503) [Size: 323]
/106.txt (Status: 503) [Size: 323]
/106.html (Status: 503) [Size: 323]
/10668.txt (Status: 503) [Size: 323]
```

Nmap -:

```
(kali@kali)-[~/mahtab/project1]
$ cat zero.txt
# Nmap 7.94SVN scan initiated Tue Sep 3 11:44:59 2024 as: nmap -A -T4 -oN zero.txt 54.82.22.214
Nmap scan report for ec2-54-82-22-214.compute-1.amazonaws.com (54.82.22.214)
Host is up (0.42s latency).
Not shown: 997 filtered tcp ports (no-response)
PORT      STATE SERVICE VERSION
80/tcp    open  http      Apache Tomcat/Coyote JSP engine 1.1
|_ http-title: Zero - Personal Banking - Loans - Credit Cards
|_ http-methods:
|_ Potentially risky methods: PUT DELETE TRACE PATCH
|_ http-server-header: Apache-Coyote/1.1
443/tcp    open  ssl/http  Apache httpd 2.2.6 ((Win32) mod_ssl/2.2.6 OpenSSL/0.9.8e mod_jk/1.2.40)
|_ http-methods:
|_ Potentially risky methods: TRACE
|_ sslv2:
|_ SSLv2 supported
|_ ciphers:
|_ SSL2_DES_64_CBC_WITH_MD5
|_ SSL2_RC2_128_CBC_EXPORT40_WITH_MD5
|_ SSL2_RC2_128_CBC_WITH_MD5
|_ SSL2_DES_192_EDE3_CBC_WITH_MD5
|_ SSL2_RC4_128_EXPORT40_WITH_MD5
|_ SSL2_RC4_128_WITH_MD5
|_ http-title: Site doesn't have a title (text/html).
|_ ssl-cert: Subject: commonName=zero.webappsecurity.com/organizationName=Micro Focus LLC/stateOrProvinceName=California/countryName=US
|_ Subject Alternative Name: DNS:zero.webappsecurity.com
|_ Not valid before: 2021-04-26T00:00:00
|_ Not valid after: 2022-05-04T23:59:59
|_ ssl-date: 2024-09-03T15:51:43+00:00; +5m25s from scanner time.
8080/tcp   open  http      Apache Tomcat/Coyote JSP engine 1.1
|_ http-server-header: Apache-Coyote/1.1
```

Exploit dB -:

https://www.exploit-db.com

Kali Linux Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB Google Hacking DB OffSec

EXPLOIT DATABASE

Verified Has App

Show 15

Search: tomcat jsp engine

Date	D	A	V	Title	Type	Platform	Author
2002-06-12				Apache Tomcat 3/4 - JSP Engine Denial of Service	DoS	Linux	Marc Schoenefeld

Showing 1 to 1 of 1 entries (filtered from 46,099 total entries)

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EXPLOIT DATABASE

Apache Tomcat 3/4 - JSP Engine Denial of Service

EDB-ID: 21534	CVE: 2002-0936	Author: MARC SCHOENEFFELD	Type: DOS	Platform: LINUX	Date: 2002-06-12
EDB Verified: ✓		Exploit: ⬇ / {}		Vulnerable App:	

Nessus -:

https://kali:8834/#/scans/reports/12/hosts/2/vulnerabilities/20007

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tenable Nessus Essentials Scans Settings

My Basic Network Scan / Plugin #20007

Vulnerabilities 27

CRITICAL SSL Version 2 and 3 Protocol Detection

Description
The remote service accepts connections encrypted using SSL 2.0 and/or SSL 3.0. These versions of SSL are affected by several cryptographic flaws, including:
- An insecure padding scheme with CBC ciphers.
- Insecure session renegotiation and resumption schemes.
An attacker can exploit these flaws to conduct man-in-the-middle attacks or to decrypt communications between the affected service and clients.
Although SSL/TLS has a secure means for choosing the highest supported version of the protocol (so that these versions will be used only if the client or server support nothing better), many web browsers implement this in an unsafe way that allows an attacker to downgrade a connection (such as in POODLE). Therefore, it is recommended that these protocols be disabled entirely.
NIST has determined that SSL 3.0 is no longer acceptable for secure communications. As of the date of enforcement found in PCI DSS v3.1, any version of SSL will not meet the PCI SSC's definition of "strong cryptography".

Solution

Plugin Details
Severity: Critical
ID: 20007
Version: 1.34
Type: remote
Family: Service detection
Published: October 12, 2005
Modified: April 4, 2022

Risk Information
Risk Factor: Critical
CVSS v3.0 Base Score: 9.8
CVSS v3.0 Vector: CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:A/H
CVSS v2.0 Base Score: 10.0
CVSS v2.0 Vector: CVSS2#AV:N/AC:L/Au:N/C:C/I:C/A:C

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🔒 https://kali:8834/#/scans/reports/12/hosts/2/vulnerabilities/42873

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The Data-Factor: Why Integrating

My Basic Network Scan / Plugin #42873

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HIGH

SSL Medium Strength Cipher Suites Supported (SWEET32)

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Description

The remote host supports the use of SSL ciphers that offer medium strength encryption. Nessus regards medium strength as any encryption that uses key lengths at least 64 bits and less than 112 bits, or else that uses the 3DES encryption suite.

Note that it is considerably easier to circumvent medium strength encryption if the attacker is on the same physical network.

Solution

Reconfigure the affected application if possible to avoid use of medium strength ciphers.

See Also

<https://www.openssl.org/blog/blog/2016/08/24/sweet32/>
<https://sweet32.info>

Output

Plugin Details

Severity: High

ID: 42873

Version: 1.21

Type: remote

Family: General

Published: November 23, 2009

Modified: February 3, 2021

Risk Information

Risk Factor: Medium

CVSS v3.0 Base Score: 7.5

CVSS v3.0 Vector: CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N

My Basic Network Scan / Plugin #142960

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Audit Trail

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MEDIUM

HSTS Missing From HTTPS Server (RFC 6797)

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Description

The remote web server is not enforcing HSTS, as defined by RFC 6797. HSTS is an optional response header that can be configured on the server to instruct the browser to only communicate via HTTPS. The lack of HSTS allows downgrade attacks, SSL-stripping man-in-the-middle attacks, and weakens cookie-hijacking protections.

Solution

Configure the remote web server to use HSTS.

See Also

<https://tools.ietf.org/html/rfc6797>

Output

Plugin Details

Severity: Medium

ID: 142960

Version: 1.12

Type: remote

Family: Web Servers

Published: November 17, 2017

Modified: March 22, 2024

Risk Information

Risk Factor: Medium

CVSS v3.0 Base Score: 6.5

CVSS v3.0 Vector: CVSS:3.0/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:N

MEDIUM

TLS Version 1.0 Protocol Detection

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Description

The remote service accepts connections encrypted using TLS 1.0. TLS 1.0 has a number of cryptographic design flaws. Modern implementations of TLS 1.0 mitigate these problems, but newer versions of TLS like 1.2 and 1.3 are designed against these flaws and should be used whenever possible.

As of March 31, 2020, Endpoints that aren't enabled for TLS 1.2 and higher will no longer function properly with major web browsers and major vendors.

PCI DSS v3.2 requires that TLS 1.0 be disabled entirely by June 30, 2018, except for POS POI terminals (and the SSL/TLS termination points to which they connect) that can be verified as not being susceptible to any known exploits.

Solution

Enable support for TLS 1.2 and 1.3, and disable support for TLS 1.0.

Plugin Details

Severity: Medium

ID: 104743

Version: 1.10

Type: remote

Family: Service detection

Published: November 22, 2017

Modified: April 19, 2023

Risk Information

Risk Factor: Medium

CVSS v3.0 Base Score: 6.5

Vulnerabilities 27																			
<p>MEDIUM JQuery 1.2 < 3.5.0 Multiple XSS</p> <p>Description According to the self-reported version in the script, the version of JQuery hosted on the remote web server is greater than or equal to 1.2 and prior to 3.5.0. It is, therefore, affected by multiple cross site scripting vulnerabilities.</p> <p>Note, the vulnerabilities referenced in this plugin have no security impact on PAN-OS, and/or the scenarios required for successful exploitation do not exist on devices running a PAN-OS release.</p> <p>Solution Upgrade to JQuery version 3.5.0 or later.</p> <p>See Also https://blog.jquery.com/2020/04/10/jquery-3.5.0-released/</p>	<p>Plugin Details</p> <table> <tr><td>Severity:</td><td>Medium</td></tr> <tr><td>ID:</td><td>136929</td></tr> <tr><td>Version:</td><td>1.13</td></tr> <tr><td>Type:</td><td>remote</td></tr> <tr><td>Family:</td><td>CGI abuses : XSS</td></tr> <tr><td>Published:</td><td>May 28, 2020</td></tr> <tr><td>Modified:</td><td>March 8, 2024</td></tr> </table> <p>Risk Information</p> <table> <tr><td>Risk Factor:</td><td>Medium</td></tr> <tr><td>CVSS v3.0 Base Score:</td><td>6.1</td></tr> </table>	Severity:	Medium	ID:	136929	Version:	1.13	Type:	remote	Family:	CGI abuses : XSS	Published:	May 28, 2020	Modified:	March 8, 2024	Risk Factor:	Medium	CVSS v3.0 Base Score:	6.1
Severity:	Medium																		
ID:	136929																		
Version:	1.13																		
Type:	remote																		
Family:	CGI abuses : XSS																		
Published:	May 28, 2020																		
Modified:	March 8, 2024																		
Risk Factor:	Medium																		
CVSS v3.0 Base Score:	6.1																		

Task 3 – Find one high vulnerability in <http://testasp.vulnweb.com>

Vulnerability -:

- Dnsmasq Heap Overflow and Null-pointer Dereference on TFTP Server - CVE-2009-2957.
- Cross side scripting.

Vuln -1

Severity -: Medium CVV score

Description -: Dnsmasq is a lightweight DNS forwarder and DHCP server. A vulnerability has been found that may allow an attacker to execute arbitrary code on Servers or home routers running dnsmasq[1] with the TFTP service[2][3] enabled.

Impact -Chances of successful exploitation increase when a long directory prefix is used for TFTP.

References*

- [1] <http://www.thekelleys.org.uk/dnsmasq/doc.html>
 [2] <http://www.isi.edu/in-notes/ien/ien133.txt>
 [3] http://en.wikipedia.org/wiki/Trivial_File_Transfer_Protocol

Mitigation -: If the TFTP service is enabled and patching is not available Immediately, a valid workaround is to filter TFTP for untrusted hosts in the network (such as the Internet). This is the default configuration


when enabling TFTP on most home routers.

Steps To Reproduce:

- I'm using **nslookup** for finding IP address or other details.
- Then using **Nikto** tool for finding vulnerability.
- Then I'm used **NMAP** for gathering important information.
Where is finding open port's 53 where i got **dnsmasq 2.51**.
This is valuable vulnerability for hacker where hacker used for gain unauthorized access or other's things.
- Then I'm search on this vulnerability's dnsmasq 2.51 on **Exploitdb**.
Where I'm saw dnsmasq exploit.

POC -:

Nslookup -



```
(kali㉿kali)-[~/mahtab/project1/task2]
$ nslookup http://testasp.vulnweb.com
Server:         192.168.9.52
Address:        192.168.9.52#53

Non-authoritative answer:
Name:   http://testasp.vulnweb.com
Address: 44.228.249.3
Name:   http://testasp.vulnweb.com
Address: 64:ff9b::2ce4:f903
```

Nikto -:

```
(kali@kali)-[~/mahtab/project1/task2]
$ nikto -h http://testasp.vulnweb.com
- Nikto v2.5.0

+ Multiple IPs found: 44.238.29.244, 64:ff9b::2cee:1df4
+ Target IP: 44.238.29.244
+ Target Hostname: testasp.vulnweb.com
+ Target Port: 80
+ Start Time: 2024-09-05 12:15:59 (GMT-4)

+ Server: Microsoft-IIS/8.5
+ /: Retrieved x-powered-by header: ASP.NET.
+ /: The anti-clickjacking X-Frame-Options header is not present. See: https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options
+ /: The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the MIME type. See: http://www.netsparker.com/web-vulnerability-scanner/vulnerabilities/missing-content-type-header/
+ /: Cookie ASPSESSIONIDQSCQTRD created without the httponly flag. See: https://developer.mozilla.org/en-US/docs/Web/HTTP/Cookies
+ /KRWesSvg.aspx: Retrieved x-aspnet-version header: 2.0.50727.
+ RFC-1918 /aspnet_client: IP address found in the 'location' header. The IP is "10.0.0.14". See: https://portswigger.net/kb/issues/00600300_private-ip-addresses-disclosed
+ /aspnet_client: The web server may reveal its internal or real IP in the Location header via a request to with HTTP/1.0. The value is "10.0.0.14". See: http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2000-0649
+ OPTIONS: Allowed HTTP Methods: OPTIONS, TRACE, GET, HEAD, POST .
+ OPTIONS: Public HTTP Methods: OPTIONS, TRACE, GET, HEAD, POST .
```

Nmap - :

```
(kali@kali)-[~/mahtab/project1/task2]
$ sudo nmap 192.168.9.52 -A -T4
[sudo] password for kali:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-09-05 12:35 EDT
Nmap scan report for 192.168.9.52
Host is up (0.0022s latency).
Not shown: 999 filtered tcp ports (no-response)
PORT      STATE SERVICE VERSION
53/tcp    open  domain  dnsmasq 2.51
| dns-nsid:
|_ bind.version: dnsmasq-2.51
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: bridge|general purpose
Running (JUST GUESSING): Oracle Virtualbox (95%), QEMU (91%)
OS CPE: cpe:/o:oracle:virtualbox cpe:/a:qemu:qemu
Aggressive OS guesses: Oracle Virtualbox (95%), QEMU user mode network gateway (91%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 2 hops
```

Exploit-DB-:

Kali Linux
Kali Tools
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
OffSec

EXPLOIT DATABASE

☐ Verified
☐ Has App

Filters
Reset All

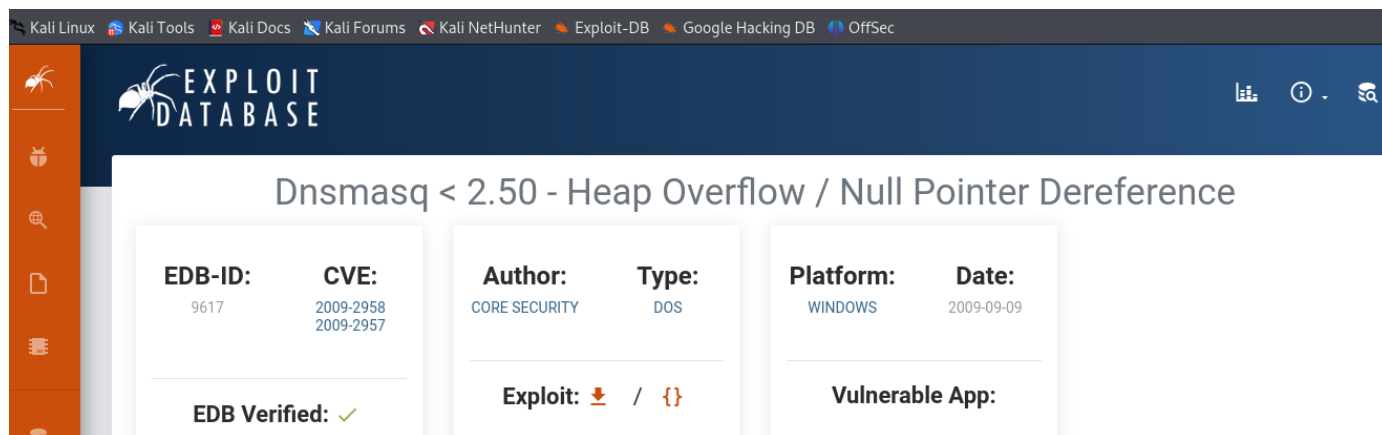
Show 15

Search: dnsmasq 2.5

Date	D	A	V	Title	Type	Platform	Author
2009-09-09				Dnsmasq < 2.50 - Heap Overflow / Null Pointer Dereference	DoS	Windows	Core Security

Showing 1 of 1 entries (filtered from 46,099 total entries)

FIRST
PREVIOUS
1
NEXT
LAST



Vuln-2 -

Severity -: High

Description -: There is a cross-site scripting vulnerability on the login page of <http://testasp.vulnweb.com> and various regions, due to improper escaping on the URL path.

Impact - This is a high impact vulnerability as this affects the login page.

References-

- <https://www.starbucks.com/account/signin>
- <https://www.starbucks.co.uk/account/signin>

Mitigation -: An attacker can easily abuse this bug to steal user passwords, inject malicious JavaScript into the context of [www.http://testasp.vulnweb.com](http://testasp.vulnweb.com).

Implement HTML encoding / escaping on the path.

Steps To Reproduce:

Step -1 Open Chrome or Firefox.

Step -2 visit [www.http://testasp.vulnweb.com](http://testasp.vulnweb.com).

Step -3 The XSS will trigger and you'll get an alert() with the value of document.domain.

POC -:

