

RELATÓRIO – Opção 1 (Hands-on)

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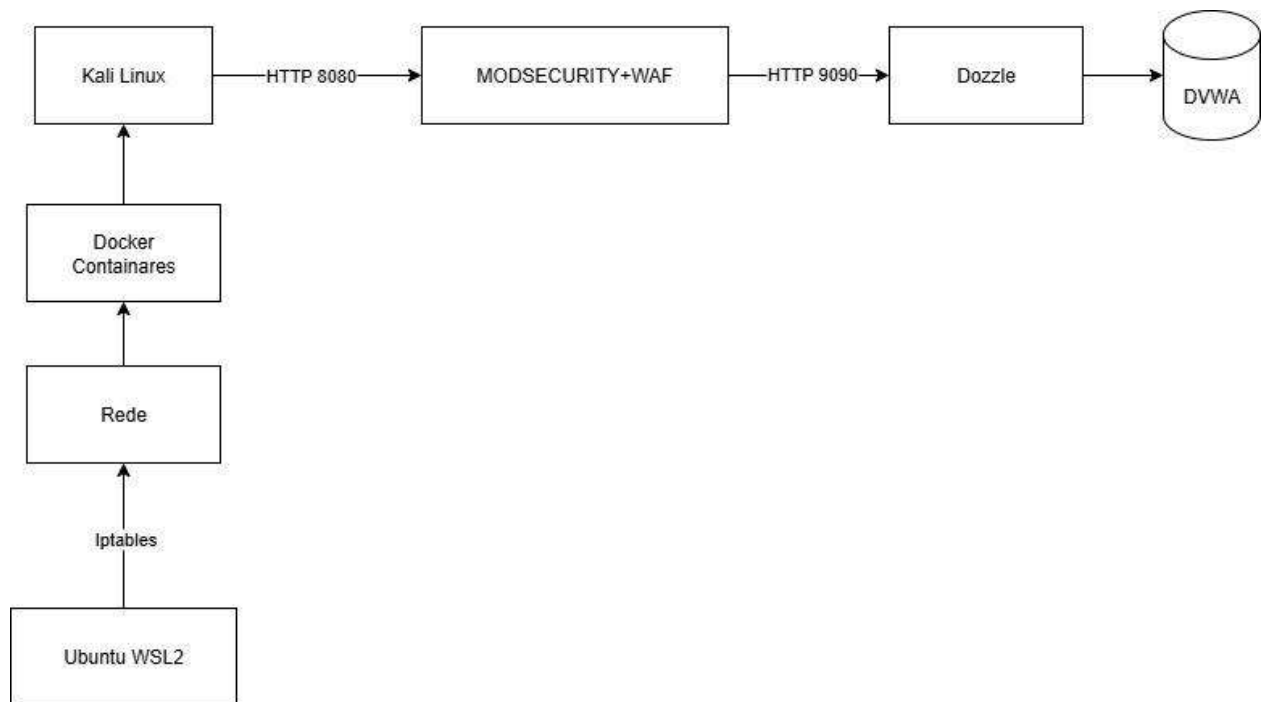
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2. Objetivo e Escopo

- O que foi defendido, o que foi atacado, limites do exercício.
- O que foi defendido, a aplicação Web DVWA que roda na porta 8080 através do Mod Security+Waf contra invasões e acessos externos, ele fica na entrada da aplicação protegendo, e tem o Dozzle uma interface de monitoramento de logs em tempo real. Tem um container atacante Kali Linux que tem várias ferramentas pentester onde é usado para ataques, escalonamento de privilégios, DDOs, Sqli, XSS etc.

3. Arquitetura (Diagrama)



- Kali Linux é uma aplicação atacante através do protocolo da internet HTTP na porta 8080 tem acesso a aplicação vulnerável DVWA onde tem um firewall na entrada MODSECURITY+WAF para proteger que estiver configurado para proteger de ataques de invasores.
- Ubuntu para entrar na rede tem o Iptables um firewall para Sistemas Linux que serve para proteção entre o Sistema operacional e a rede.

4. Metodologia

- Passos executados (detecção → bloqueio → resposta), critérios de sucesso.
- É usado o MODSECURITY+WAF para bloqueios de ataques
- Dozzle ferramenta de monitoramento de logs, Ips, tráfego de redes e ataques
- É usado para proteger de ataques e acessos indevidos ao sistema web, o MODSECURITY+WAF e configurar o docker-compose.yml no arquivo através de editor de texto: Vscode, bloco de notas, Vim e Nano,
- 0 # para desativar a função
- - MODSEC_RULE_ENGINE=On (modo bloqueio de ataques)
- - MODSEC_RULE_ENGINE=DetectionOnly (modo detecção)

5. Execução e Evidências

- Print de execução do SQLI sem proteção de (MODSECURITY+WAF): Status 302 (redirecionamento) - Ataque detectado mas não bloqueado

```

root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs# docker compose up -d --force-recreate waf_modsec
WARN[0001] /home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 2/2
  ✓ Container dvwa          Running
  ✓ Container waf_modsec    Started
                                0.0s
                                20.8s
root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs# docker exec kali_lab35 curl -s "http://waf_modsec:8080/vulnerabilities/sqli/?id=1'+OR+'1'='1'--+&Submit=Submit" -H "Host: dvwa" -H "Cookie: PHPSESSID=test; security=low" -w "Status: %{http_code}\n"
Status: 302

```

- Print de execução do XSS sem proteção de (MODSECURITY+WAF): Status 302 (redirecionamento) - Ataque detectado mas não bloqueado

```

root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs# docker exec kali_lab35 curl -s "http://waf_modsec:8080/vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E" \
-H "Host: dvwa" \
-H "Cookie: security=low" \
-w "Status: %{http_code}\n"
Status: 302

```

- Configurar o WAF para o modo blocking: Edite o arquivo docker-compose.yml e altere para:
- - MODSEC_RULE_ENGINE=On (modo bloqueio de ataques)

```

WARN[0001] /home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 2/2
  ✓ Container dvwa          Running
  ✓ Container waf_modsec    Started
                                0.0s
                                14.0s
root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs# docker exec kali_lab35 curl -s "http://waf_modsec:8080/vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E" \
-H "Host: dvwa" \
-H "Cookie: PHPSESSID=test; security=low" \
-w "Status: %{http_code}\n"
<html>
<head><title>403 Forbidden</title></head>
<body>
<center><h1>403 Forbidden</h1></center>
<hr><center>nginx</center>
</body>
</html>
Status: 403
root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs# docker exec kali_lab35 curl -s "http://waf_modsec:8080/vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E" \
-H "Host: dvwa" \
-H "Cookie: security=low" \
-w "Status: %{http_code}\n"
<html>
<head><title>403 Forbidden</title></head>
<body>
<center><h1>403 Forbidden</h1></center>
<hr><center>nginx</center>
</body>
</html>
Status: 403

```

- Foi usado na proteção da aplicação vulnerável (DVWA), MODSECURITY+WAF é um firewall para proteção de sistemas Web, editando o arquivo docker-compose.yml e alterar no código a configuração: ativando - MODSEC_RULE_ENGINE=ON (bloqueia os ataques).
- - MODSEC_RULE_ENGINE=DetectionOnly # (modo de detecção)
- Tem uma ferramenta de monitoramento de logs: Dozzle, monitora os Ips, tráfego de redes, ataques e bloqueios.
- Relatório de evidências do WAF:

```

root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs# docker logs waf_modsec --tail 50 > logs_waf_evidencias.txt
2025/09/18 20:16:08 [warn] 1#1: "ssl_stapling" ignored, issuer certificate not found for certificate "/etc/nginx/conf/server.crt"
nginx: [warn] "ssl_stapling" ignored, issuer certificate not found for certificate "/etc/nginx/conf/server.crt"
2025/09/18 20:16:08 [notice] 1#1: ModSecurity-nginx v1.0.4 (rules loaded inline/local/remote: 0/836/0)
2025/09/18 20:16:08 [notice] 1#1: libmodsecurity3 version 3.0.14
2025/09/18 20:16:50 [error] 589#589: *2 [client 192.168.35.11] ModSecurity: Access denied with code 403 (phase 2). Matched "Operator 'Ge' with parameter '5' against variable 'TX:BLOCKING_INBOUND_ANOMALY_SCORE' (Value: '5') [file "/etc/modsecurity.d/owasp-crs/rules/REQUEST-949-BLOCKING-EVALUATION.conf"] [line "222"] [id "949110"] [rev "" ] [msg "Inbound Anomaly Score Exceeded (Total Score: 5)"] [data "" ] [severity "0"] [ver "OWASP CRS/4.17.1"] [maturity "0"] [accuracy "0"] [tag "modsecurity"] [tag "anomaly-evaluation"] [tag "OWASP CRS"] [hostname "dvwa"] [uri "/vulnerabilities/sqli/" ] [unique id "175822661091.350192"] [ref "" ], client: 192.168.35.11, server: localhost, request: "GET /vulnerabilities/sqli/?id=1'+OR+'1'='1'--+&Submit=Submit HTTP/1.1", host: "dvwa"
2025/09/18 20:18:34 [error] 590#590: *6 [client 192.168.35.11] ModSecurity: Access denied with code 403 (phase 2). Matched "Operator 'Ge' with parameter '5' against variable 'TX:BLOCKING_INBOUND_ANOMALY_SCORE' (Value: '20') [file "/etc/modsecurity.d/owasp-crs/rules/REQUEST-949-BLOCKING-EVALUATION.conf"] [line "222"] [id "949110"] [rev "" ] [msg "Inbound Anomaly Score Exceeded (Total Score: 20)"] [data "" ] [severity "0"] [ver "OWASP CRS/4.17.1"] [maturity "0"] [accuracy "0"] [tag "modsecurity"] [tag "anomaly-evaluation"] [tag "OWASP CRS"] [hostname "dvwa"] [uri "/vulnerabilities/xss_r/" ] [unique id "175822671434.588072"] [ref "" ], client: 192.168.35.11, server: localhost, request: "GET /vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E HTTP/1.1", host: "dvwa"
root@LAPTOP-2ORGEKK8:/home/waldecy/formacao-cybersec/modulo2-defesa-monitoramento/formacao-cybersec/modulo2-defesa-monitoramento/projeto-final/opcao1-hands-on/labs#

```

6. Resposta a Incidente (NIST IR)

- Detecção, Contenção, Erradicação, Recuperação, Lições Aprendidas
- Detecção: através da ferramentas de logs Dozzle que detecta a defesa e ataques, IP, protocolos de redes e todos os container.
- Contenção: através de configurações do Sistema e MODSECURITY+WAF Firewall Web que bloqueia IPs e ataques externos aos Sistemas Web.
- Recuperação dos Sistemas a funcionar normalmente
- Lições Aprendidas: Temos que configurar da forma ideal aplicativos e Sistemas Web e usar Firewall na entrada para proteger de acesso indevidos e ataques.

7. Recomendações (80/20)

Ação	Impacto	Facilidade	Prioridade
DVWA	Alta	Alta	Alta
Dozzle	Média	Média	Alta
Docker	Média	Baixa	Baixa
Kali Linux	Alta	Alta	Alta
MODSECURITY+WAF	Alta	Alta	Alta

8. Conclusão

- Que devemos configurar de forma eficiente nossos Sistemas Web e aplicativos através de configurações, Firewall de entrada WAF, ferramentas de monitoramento Dozzle etc.

10. Anexos

- Configs, logs, scripts
- **Configuração Inicial:**
- docker --version
 - ☐ docker-compose --version
 - ☐ **Navegar para o diretório do lab**
 - ☐ Cd ./labs
 - ☐ **Arquivos Necessários dentro da pasta Labs**
 - ☐ labs/
 - ├── docker-compose.yml
 - ├── Dockerfile.kali
 - ├── scripts/
 - ├── attack_script.sh
 - └── monitor_defense.sh
 - └── README.md

Subindo todos os containers:

```
docker compose up -d --build
```

Verificar o status dos containers:

```
Docker ps
```

Resultado os containers rodando

CONTAINER ID	IMAGE	PORTS	NAMES
xxxxxxxxxx	owasp/modsecurity-crs:nginx-alpine	0.0.0.0:8080->8080/tcp	waf_modsec
xxxxxxxxxx	labs-kali_lab35		kali_lab35
xxxxxxxxxx	vulnerables/web-dvwa	80/tcp	dvwa
xxxxxxxxxx	amir20/dozzle:latest	0.0.0.0:9999->8080/tcp	dozzle

Testar Conectividade

```
curl -s http://localhost:8080 | head -5
```

Se funcionar: Você verá HTML do DVWA **Se não funcionar:** Veja a seção [Solução de Problemas](#)

Configuração do DVWA

. Acessar DVWA no Navegador

Abra seu navegador e vá para: <http://localhost:8080>

. Fazer Login

- **Usuário:** admin
- **Senha:** password

. Configurar Banco de Dados

Após login, clique em "**Setup**" (menu lateral)
Clique em "**Create / Reset Database**"
Aguarde a mensagem de sucesso

. Configurar Nível de Segurança

Clique em "**DVWA Security**" (menu lateral)
Selecione "**Low**"
Clique em "**Submit**"

Importante: Mantenha o navegador aberto para manter a sessão ativa!

Reconhecimento (Nmap)

. Entrar no Container Kali

```
docker exec -it kali_lab35 /bin/bash
```

Executar Scan Nmap

```
nmap -sS -sV waf_modsec
```

Resultado esperado:

PORT	STATE	SERVICE	VERSION
8080/tcp	open	http	nginx
8443/tcp	open	ssl/http	nginx

3. Sair do Container

```
exit
```

Explicação: O nmap identifica que o WAF está rodando nginx nas portas 8080 (HTTP) e 8443 (HTTPS).

Teste no Modo Detecção

Configurar WAF para Modo Detecção

Edite o arquivo `docker-compose.yml` e certifique-se de que a linha esteja assim:

```
- MODSEC_RULE_ENGINE=DetectionOnly # modo detecção apenas
```

Recrutar o Container WAF

```
docker compose up -d --force-recreate waf_modsec
```

. Testar Ataque SQLi (Deve Passar)

```
docker exec kali_lab35 curl -s  
"http://waf_modsec:8080/vulnerabilities/sqli/?id=1'+OR+'1'='1'---&Submit=Submit" \  
-H "Host: dvwa" \  
-H "Cookie: PHPSESSID=test; security=low" \  
-w "Status: %{http_code}\n"
```

Resultado esperado: Status 302 (redirecionamento) - **ATAQUE DETECTADO MAS NÃO BLOQUEADO**

. Testar Ataque XSS (Deve Passar)

```
docker exec kali_lab35 curl -s  
"http://waf_modsec:8080/vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E" \  
-H "Host: dvwa" \  
-H "Cookie: security=low" \  
-w "Status: %{http_code}\n"
```

Resultado esperado: Status 302 (redirecionamento) - **ATAQUE DETECTADO MAS NÃO BLOQUEADO**

Teste no Modo Blocking

Configurar WAF para Modo Blocking

Edite o arquivo `docker-compose.yml` e altere para:

```
- MODSEC_RULE_ENGINE=On # modo blocking (bloqueia ataques)
```

Recriar o Container WAF

```
docker compose up -d --force-recreate waf_modsec
```

Testar Ataque SQLi (Deve ser Bloqueado)

```
docker exec kali_lab35 curl -s  
"http://waf_modsec:8080/vulnerabilities/sqli/?id=1'+OR+'1'='1'---&Submit=Submit" \  
-H "Host: dvwa" \  
-H "Cookie: PHPSESSID=test; security=low" \  
-w "Status: %{http_code}\n"
```

Resultado esperado: Status 403 + página "403 Forbidden" - ATAQUE BLOQUEADO!

Testar Ataque XSS (Deve ser Bloqueado)

```
docker exec kali_lab35 curl -s  
"http://waf_modsec:8080/vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E" \  
-H "Host: dvwa" \  
-H "Cookie: security=low" \  
-w "Status: %{http_code}\n"
```

Resultado esperado: Status 403 + página "403 Forbidden" - ATAQUE BLOQUEADO!

Monitoramento com Dozzle

Acessar Interface Dozzle

Abra seu navegador e vá para: <http://localhost:9999>

Fazer Login no Dozzle

- **Usuário:** admin
- **Senha:** admin

Visualizar Logs do WAF

1. Clique no container "waf_modsec"
2. Observe os logs em tempo real
3. Execute novos ataques e veja as detecções aparecerem

Analisar Logs Estruturados

Procure por estas informações importantes:

- "secrules_engine":"DetectionOnly" OU "secrules_engine":"Enabled"
- **Rule IDs:** 942100 (SQLi), 941100 (XSS)
- **HTTP Status Codes:** 302 (detecção) vs 403 (bloqueio)

Coleta de Evidências

Capturar Logs Detalhados

```
docker logs waf_modsec --tail 50 > logs_waf_evidencias.txt
```

Fazer Screenshots

Capture telas do:

- Dozzle mostrando logs de detecção
- Dozzle mostrando logs de bloqueio
- Resultado do nmap
- Páginas 403 Forbidden

Documentar Timeline NIST IR

1. **Detecção:** Timestamp dos logs de detecção
2. **Análise:** Identificação dos tipos de ataque
3. **Contenção:** Ativação do modo blocking
4. **Erradicação:** Bloqueio efetivo dos ataques

Solução de Problemas

Container não sobe

```
# Verificar logs de erro
docker logs waf_modsec
docker logs dvwa

# Recriar tudo do zero
```

```
docker compose down
docker compose up -d --build
```

DVWA não carrega

```
# Verificar se header Host está correto
curl -v "http://localhost:8080/login.php" -H "Host: dvwa"
```

WAF não bloqueia

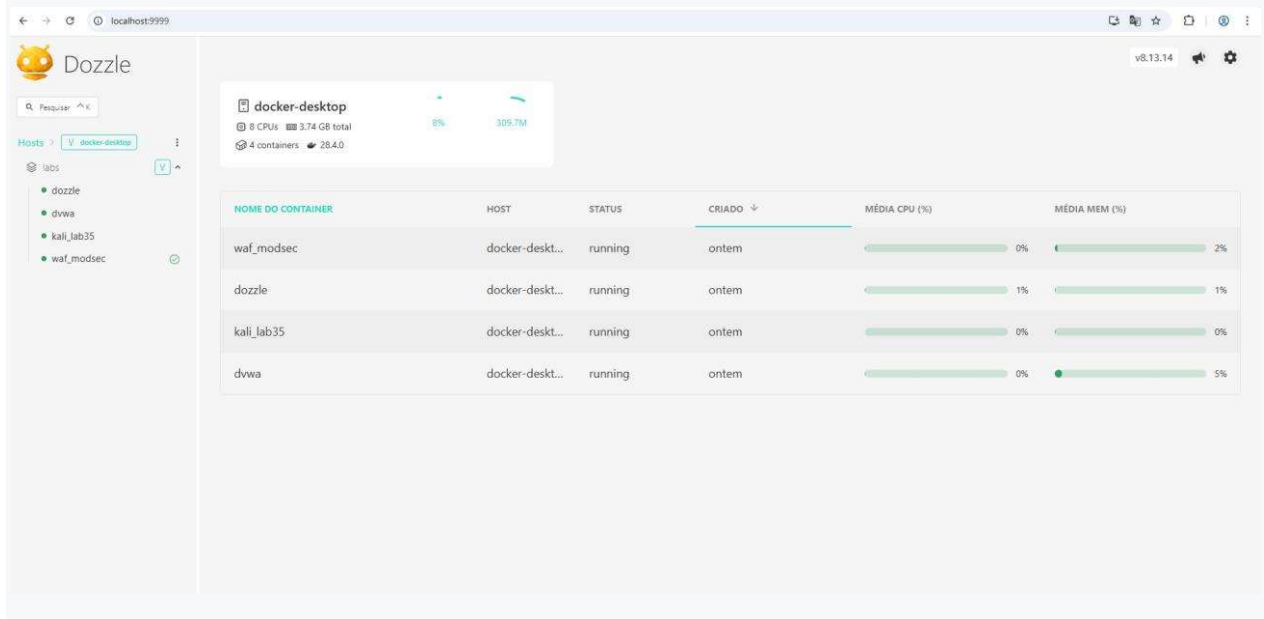
```
# Verificar configuração
docker exec waf_modsec env | grep MODSEC_RULE_ENGINE

# Deve mostrar: MODSEC_RULE_ENGINE=On (para blocking)
```

Dozzle não acessa

```
# Verificar se porta está disponível
docker ps | grep dozzle

# Deve mostrar: 0.0.0.0:9999->8080/tcp
```



The screenshot shows the Dozzle web interface in a browser window at localhost:9999. The interface displays a sidebar with a search bar and a list of containers under the 'labs' namespace: dozzle, dvwa, kali_lab35, and waf_modsec. The main panel shows a summary card for 'docker-desktop' with 8 CPUs, 3.74 GB total memory, and 4 containers. Below this is a table of running containers.

NOME DO CONTAINER	HOST	STATUS	CRIADO	MÉDIA CPU (%)	MÉDIA MEM (%)
waf_modsec	docker-deskt...	running	ontem	0%	2%
dozzle	docker-deskt...	running	ontem	1%	1%
kali_lab35	docker-deskt...	running	ontem	0%	0%
dvwa	docker-deskt...	running	ontem	0%	5%

Hosts > V docker-desktop

labs

dozzle

dwa

kali_lab35

waf_modsec

18/09/2025 17:18:15

2025/09/18 20:16:50 [error] 5904590: *2 [client 192.168.35.11] ModSecurity: Access denied with code 403 (phase 2). Matched 'Operator 'Ge' with parameter 'S' against variable 'TX:BLOCKING_INBOUND_ANOMALY_SCORE' (Value: '5') [file "/etc/modsecurity.d/owasp-crs/rules/REQUEST-949-BLOCKING-EVALUATION.conf"] [line "222"] [id "949110"] [rev ""] [msg "Inbound Anomaly Score Exceeded (Total Score: 5)"] [data ""] [severity "0"] [ver "OWASP_CRS/4.17.1"] [maturity "0"] [accuracy "0"] [tag "modsecurity"] [tag "anomaly-evaluation"] [tag "OWASP_CRS"] [hostname "dwa"] [uri "/vulnerabilities/sqli/"] [unique_id "175822661091.350192"] [ref ""], client: 192.168.35.11, server: localhost, request: "GET /vulnerabilities/sqli/?id=1+OR+1=1--+&Submit=Submit HTTP/1.1", host: "dwa"

18/09/2025 17:18:51

192.168.35.11 - - [18/Sep/2025:20:16:50 +0000] "GET /vulnerabilities/sqli/?id=1+OR+1=1--+&Submit=Submit HTTP/1.1" 403 146 "-" curl/8.15.0 "-"

18/09/2025 17:18:51

transaction.client_ip="192.168.35.11" transaction.client_port=43290 transaction.host_ip="192.168.35.30" transaction.host_port=8080 transaction.messages= [details= accuracy="0" data="Matched data: sskos found within ARGS:id:1' OR '1'='1'--+" file="/etc/modsecurity.d/owasp-crs/rules/REQUEST-942-APPLICATION-ATTACK-SQLI.conf" lineNumber="46" match="detected SQLi using libinjection." maturity="0" reference="V30,17" rev="" ruleId="942180" severity="2" tags="["application-multi", "language-multi", "platform-multi", "attack-sqli", "paranoia-level/1", "OWASP_CRS", "OWASP_CRS/ATTACK-SQLI", "capec/1000/152/248/66"] ver="OWASP_CRS/4.17.1" message="SQL Injection Attack Detected via libinjection"] details= accuracy="0" data="" file="/etc/modsecurity.d/owasp-crs/rules/REQUEST-949-BLOCKING-EVALUATION.conf" lineNumber="222" match="Matched 'Operator 'Ge' with parameter 'S' against variable 'TX:BLOCKING_INBOUND_ANOMALY_SCORE' (Value: '5') " maturity="0" reference="" rev="" ruleId="949110" severity="0" tags="["modsecurity", "anomaly-evaluation", "OWASP_CRS"] ver="OWASP_CRS/4.17.1" message="Inbound Anomaly Score Exceeded (Total Score: 5)"] transaction.producer.components=["OWASP_CRS/4.17.1"] transaction.producer.connector="ModSecurity-nginx v1.0.4" transaction.producer.modsecurity="ModSecurity v3.0.14 (Linux)" transaction.producer.secrules_engine="Enabled" transaction.request.headers.Accept="*/" transaction.request.headers.Cookie="PHPSESSID=test; security=low" transaction.request.headers.Host="dwa" transaction.request.headers.User-Agent="curl/8.15.0" transaction.request.http.version=1.1 transaction.request.method="GET" transaction.request.uri="/vulnerabilities/sqli/?id=1+OR+1=1--+&Submit=Submit" transaction.response.body=""<html><head><title>403 Forbidden</title></head><body><center><h1>403 Forbidden</h1></center><hr><center>nginx</center></body></html> " transaction.response.headers.Access-Control-Allow-Headers="" transaction.response.headers.Access-Control-Allow-Methods="GET, POST, PUT, DELETE, OPTIONS" transaction.response.headers.Access-Control-Allow-Origin="" transaction.response.headers.Access-Control-Max-Age="3600" transaction.response.headers.Connection="keep-alive" transaction.response.headers.Content-Length="146" transaction.response.headers.Content-Type="text/plain" transaction.response.headers.Date="Thu, 18 Sep 2025 20:16:50 GMT" transaction.response.headers.Server="nginx" transaction.response.http.code=403 transaction.server_id="0c91c4a7dfb9c9a7f77a6f1ba17869fd9f5c18" transaction.time_stamp="Thu Sep 18 20:16:50 2025" transaction.unique_id="175822661091.350192"

18/09/2025 17:18:35

2025/09/18 20:18:34 [error] 5904590: *6 [client 192.168.35.11] ModSecurity: Access denied with code 403 (phase 2). Matched 'Operator 'Ge' with parameter 'S' against variable 'TX:BLOCKING_INBOUND_ANOMALY_SCORE' (Value: '20') [file "/etc/modsecurity.d/owasp-crs/rules/REQUEST-949-BLOCKING-EVALUATION.conf"] [line "222"] [id "949110"] [rev ""] [msg "Inbound Anomaly Score Exceeded (Total Score: 20)"] [data ""] [severity "0"] [ver "OWASP_CRS/4.17.1"] [maturity "0"] [accuracy "0"] [tag "modsecurity"] [tag "anomaly-evaluation"] [tag "OWASP_CRS"] [hostname "dwa"] [uri "/vulnerabilities/xss_r/"] [unique_id "175822671434.588072"] [ref ""], client: 192.168.35.11, server: localhost, request: "GET /vulnerabilities/xss_r/?name=X3CcscriptX3EalertX28X22X5X22X29X3C/scriptX3E HTTP/1.1", host: "dwa"

18/09/2025 17:18:35

192.168.35.11 - - [18/Sep/2025:20:18:34 +0000] "GET /vulnerabilities/xss_r/?name=X3CcscriptX3EalertX28X22X5X22X29X3C/scriptX3E HTTP/1.1" 403 146 "-" curl/8.15.0 "-"

18/09/2025 17:18:35

transaction.client_ip="192.168.35.11" transaction.client_port=51630 transaction.host_ip="192.168.35.30" transaction.host_port=8080 transaction.messages= [details= accuracy="0" data="Matched Data: XSS data found within ARGS:name: <script>alert("XSS")</script>" file="/etc/modsecurity.d/owasp-crs/rules/REQUEST-941-APPLICATION-ATTACK-XSS.conf" lineNumber="83" match="detected XSS using libinjection." maturity="0" reference="V33,29t:utf8toUnicode,t:urlDecodeIn,t:htmlEntityDecode,t:jsDecode,t:cssDecode,t:removeNulls" rev="" ruleId="941100" severity="2" tags="["modsecurity", "application-multi", "language-multi", "platform-multi", "attack-xss", "xss-perf-disable", "paranoia-level/1", "OWASP_CRS", "OWASP_CRS/ATTACK-XSS", "capec/1000/152/242"] ver="OWASP_CRS/4.17.1" message="XSS Attack Detected via libinjection"] details= accuracy="0" data="Matched Data: <script> found within ARGS:name: <script>alert("XSS")</script>" file="/etc/modsecurity.d/owasp-crs/rules/REQUEST-941-APPLICATION-ATTACK-XSS.conf" lineNumber="205" match="Matched 'Operator 'Rx' with parameter '(?:[<0-9<>A-Z_a-z]*(?:[\\s\\x0b\\\"<\/script>') ' ' maturity="0" reference="00,7v33,29t:utf8toUnicode,t:urlDecodeIn,t:htmlEntityDecode,t:jsDecode,t:cssDecode,t:removeNulls" rev="" ruleId="941100" severity="2" tags="["modsecurity", "application-multi", "language-multi", "platform-multi", "attack-xss", "xss-perf-disable", "paranoia-level/1", "OWASP_CRS", "OWASP_CRS/ATTACK-XSS", "capec/1000/152/242"] ver="OWASP_CRS/4.17.1" message="NoScript XSS InjectionChecker: HTML Injection"] details= accuracy="0" data="Matched Data: alert found within ARGS:name: <script>alert("XSS")</script>" file="/etc/modsecurity.d/owasp-crs/rules/REQUEST-941-APPLICATION-ATTACK-XSS.conf"

	<pre>] transaction.producer.components=["OWASP_CRS/4.17.1"] transaction.producer.connector="ModSecurity-nginx v1.0.4" transaction.producer.modsecurity="ModSecurity v3.0.14 (Linux)" transaction.producer.secrules_engine="Enabled" transaction.request.headers.Accept="*/*" transaction.request.headers.Cookie="security=low" transaction.request.headers.Host="dwa" transaction.request.headers.User-Agent="curl/8.15.0" transaction.request.http_version=1.1 transaction.request.method="GET" transaction.request.url="/vulnerabilities/xss_r/?name=%3Cscript%3Ealert%28%22XSS%22%29%3C/script%3E" transaction.response.body="<html> <head><title>403 Forbidden</title></head> <body> <center><h1></center> <hr><center>nginx</center> </body> </html> " transaction.response.headers.Access-Control-Allow-Headers="*" transaction.response.headers.Access-Control-Allow-Methods="GET, POST, PUT, DELETE, OPTIONS" transaction.response.headers.Access-Control-Allow-Origin="*" transaction.response.headers.Access-Control-Max-Age="3600" transaction.response.headers.Connection="keep-alive" transaction.response.headers.Content-Length="146" transaction.response.headers.Content-Type="text/plain" transaction.response.headers.Date="Thu, 18 Sep 2025 20:18:34 GMT" transaction.response.headers.Server="nginx" transaction.response.http_code=403 transaction.server_id="0c91c4a7d1fb9c9a7f7aa6f1ba17869f49f5c18" transaction.time_stamp="Thu Sep 18 20:18:34 2025" transaction.unique_id="175822671434.588072"</pre>
18/09/2025 17:22:08	192.168.35.1 - - [18/Sep/2025:20:22:08 +0000] "GET /logout.php HTTP/1.1" 302 0 "http://localhost:8080/security.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:22:08	192.168.35.1 - - [18/Sep/2025:20:22:08 +0000] "GET /login.php HTTP/1.1" 200 700 "http://localhost:8080/security.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:23:34	192.168.35.1 - - [18/Sep/2025:20:23:34 +0000] "POST /login.php HTTP/1.1" 302 0 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:23:34	192.168.35.1 - - [18/Sep/2025:20:23:34 +0000] "GET /login.php HTTP/1.1" 200 715 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:24:44	192.168.35.1 - - [18/Sep/2025:20:24:44 +0000] "POST /login.php HTTP/1.1" 302 0 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:24:45	192.168.35.1 - - [18/Sep/2025:20:24:45 +0000] "GET /login.php HTTP/1.1" 200 717 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:30:03	192.168.35.1 - - [18/Sep/2025:20:30:03 +0000] "POST /login.php HTTP/1.1" 302 0 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:30:03	192.168.35.1 - - [18/Sep/2025:20:30:03 +0000] "GET /index.php HTTP/1.1" 200 2685 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:30:12	192.168.35.1 - - [18/Sep/2025:20:30:12 +0000] "GET /logout.php HTTP/1.1" 302 0 "http://localhost:8080/index.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
18/09/2025 17:30:12	192.168.35.1 - - [18/Sep/2025:20:30:12 +0000] "GET /login.php HTTP/1.1" 200 723 "http://localhost:8080/index.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36" "-"
19/09/2025 10:07:41	/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
19/09/2025 10:07:41	/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/ 8
19/09/2025 10:07:41	/docker-entrypoint.sh: Launching /docker-entrypoint.d/01-check-low-port.sh
19/09/2025 10:48:54	192.168.35.30 - - [19/Sep/2025:13:48:53 +0000] "GET / HTTP/1.1" 302 442 "-" "curl/8.5.0"
19/09/2025 11:10:04	[*] Starting mysql...
19/09/2025 11:10:10	Starting MariaDB database server: mysqld . .
19/09/2025 11:10:10	[*] Starting apache
19/09/2025 11:10:10	AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 192.168.35.40. Set the 'ServerName' directive globally to suppress this message
19/09/2025 11:10:11	Starting Apache httpd web server: apache2.
19/09/2025 11:10:11	==> /var/log/apache2/access.log <==
19/09/2025 11:10:11	192.168.35.30 - - [18/Sep/2025:20:30:12 +0000] "GET /logout.php HTTP/1.1" 302 300 "http://localhost:8080/index.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [18/Sep/2025:20:30:12 +0000] "GET /login.php HTTP/1.1" 200 1037 "http://localhost:8080/index.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:12:43 +0000] "POST /login.php HTTP/1.1" 302 442 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:12:44 +0000] "GET /login.php HTTP/1.1" 200 1040 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:13:01 +0000] "POST /login.php HTTP/1.1" 302 300 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:13:01 +0000] "GET /index.php HTTP/1.1" 200 3000 "http://localhost:8080/login.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:13:06 +0000] "GET /security.php HTTP/1.1" 200 2418 "http://localhost:8080/index.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:13:08 +0000] "POST /security.php HTTP/1.1" 302 388 "http://localhost:8080/security.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:13:08 +0000] "GET /security.php HTTP/1.1" 200 2435 "http://localhost:8080/security.php" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/140.0.0.0 Safari/537.36"
19/09/2025 11:10:11	192.168.35.30 - - [19/Sep/2025:13:48:53 +0000] "GET / HTTP/1.1" 302 442 "-" "curl/8.5.0"
19/09/2025 11:10:11	==> /var/log/apache2/error.log <==
19/09/2025 11:10:11	[Thu Sep 18 18:57:25.258182 2025] [core:warn] [pid 315] AH00098: pid file /var/run/apache2/apache2.pid overwritten -- Unclean shutdown of previous Apache run?
19/09/2025 11:10:11	[Thu Sep 18 18:57:25.309097 2025] [mpm_prefork:notice] [pid 315] AH00163: Apache/2.4.25 (Debian) configured -- resuming normal operations
19/09/2025 11:10:11	[Thu Sep 18 18:57:25.309456 2025] [core:notice] [pid 315] AH00094: Command line: '/usr/sbin/apache2'
19/09/2025 11:10:11	[Fri Sep 19 13:07:45.060990 2025] [core:warn] [pid 309] AH00098: pid file /var/run/apache2/apache2.pid overwritten -- Unclean shutdown of previous Apache run?
19/09/2025 11:10:11	[Fri Sep 19 13:07:45.131678 2025] [mpm_prefork:notice] [pid 309] AH00163: Apache/2.4.25 (Debian) configured -- resuming normal operations 9

18/09/2025 14:56:10	level="info"	version="v8.13.14"	time="2025-09-18T17:56:10Z"	message="shutting down gracefully, press Ctrl+C again to force"
18/09/2025 14:56:13	level="error"	version="v8.13.14"	error="context deadline exceeded" time="2025-09-18T17:56:13Z"	message="failed to shut down"
18/09/2025 14:58:20	level="warn"	env="DOZZLE_USERNAME"	time="2025-09-18T17:58:20Z"	message="Unexpected environment variable"
18/09/2025 14:58:20	level="warn"	env="DOZZLE_PASSWORD"	time="2025-09-18T17:58:20Z"	message="Unexpected environment variable"
18/09/2025 14:58:20	level="info"	version="v8.13.14"	time="2025-09-18T17:58:20Z"	message="Dozzle version v8.13.14"
18/09/2025 14:58:22	level="info"	version="v8.13.14"	clients=1 time="2025-09-18T17:58:22Z"	message="Connected to Docker"
18/09/2025 14:58:22	level="info"	version="v8.13.14"	time="2025-09-18T17:58:22Z"	message="Accepting connections on :8080"
18/09/2025 15:45:00	level="info"	version="v8.13.14"	time="2025-09-18T18:45:00Z"	message="shutting down gracefully, press Ctrl+C again to force"
18/09/2025 15:57:20	level="warn"	env="DOZZLE_USERNAME"	time="2025-09-18T18:57:20Z"	message="Unexpected environment variable"
18/09/2025 15:57:20	level="warn"	env="DOZZLE_PASSWORD"	time="2025-09-18T18:57:20Z"	message="Unexpected environment variable"
18/09/2025 15:57:20	level="info"	version="v8.13.14"	time="2025-09-18T18:57:20Z"	message="Dozzle version v8.13.14"
18/09/2025 15:57:20	level="info"	version="v8.13.14"	clients=1 time="2025-09-18T18:57:20Z"	message="Connected to Docker"
18/09/2025 15:57:20	level="info"	version="v8.13.14"	time="2025-09-18T18:57:20Z"	message="Accepting connections on :8080"
18/09/2025 17:42:25	level="info"	version="v8.13.14"	time="2025-09-18T20:42:25Z"	message="shutting down gracefully, press Ctrl+C again to force"
18/09/2025 17:42:28	level="error"	version="v8.13.14"	error="context deadline exceeded" time="2025-09-18T20:42:28Z"	message="failed to shut down"
19/09/2025 10:07:38	level="warn"	env="DOZZLE_USERNAME"	time="2025-09-19T13:07:38Z"	message="Unexpected environment variable"
19/09/2025 10:07:38	level="warn"	env="DOZZLE_PASSWORD"	time="2025-09-19T13:07:38Z"	message="Unexpected environment variable"
19/09/2025 10:07:38	level="info"	version="v8.13.14"	time="2025-09-19T13:07:38Z"	message="Dozzle version v8.13.14"
19/09/2025 10:07:40	level="info"	version="v8.13.14"	clients=1 time="2025-09-19T13:07:40Z"	message="Connected to Docker"
19/09/2025 10:07:40	level="info"	version="v8.13.14"	time="2025-09-19T13:07:40Z"	message="Accepting connections on :8080"
19/09/2025 11:07:50	level="info"	version="v8.13.14"	time="2025-09-19T14:07:50Z"	message="shutting down gracefully, press Ctrl+C again to force"
19/09/2025 11:07:53	level="error"	version="v8.13.14"	error="context deadline exceeded" time="2025-09-19T14:07:53Z"	message="failed to shut down"
19/09/2025 11:10:05	level="warn"	env="DOZZLE_USERNAME"	time="2025-09-19T14:10:05Z"	message="Unexpected environment variable"
19/09/2025 11:10:05	level="warn"	env="DOZZLE_PASSWORD"	time="2025-09-19T14:10:05Z"	message="Unexpected environment variable"
19/09/2025 11:10:05	level="info"	version="v8.13.14"	time="2025-09-19T14:10:05Z"	message="Dozzle version v8.13.14"
19/09/2025 11:10:07	level="info"	version="v8.13.14"	clients=1 time="2025-09-19T14:10:07Z"	message="Connected to Docker"
19/09/2025 11:10:07	level="info"	version="v8.13.14"	time="2025-09-19T14:10:07Z"	message="Accepting connections on :8080"