GoTestWAF
API / Application Security Testing Results

Overall grade:

F

34.3 / 100

Project name : generic
URL : http://modesec
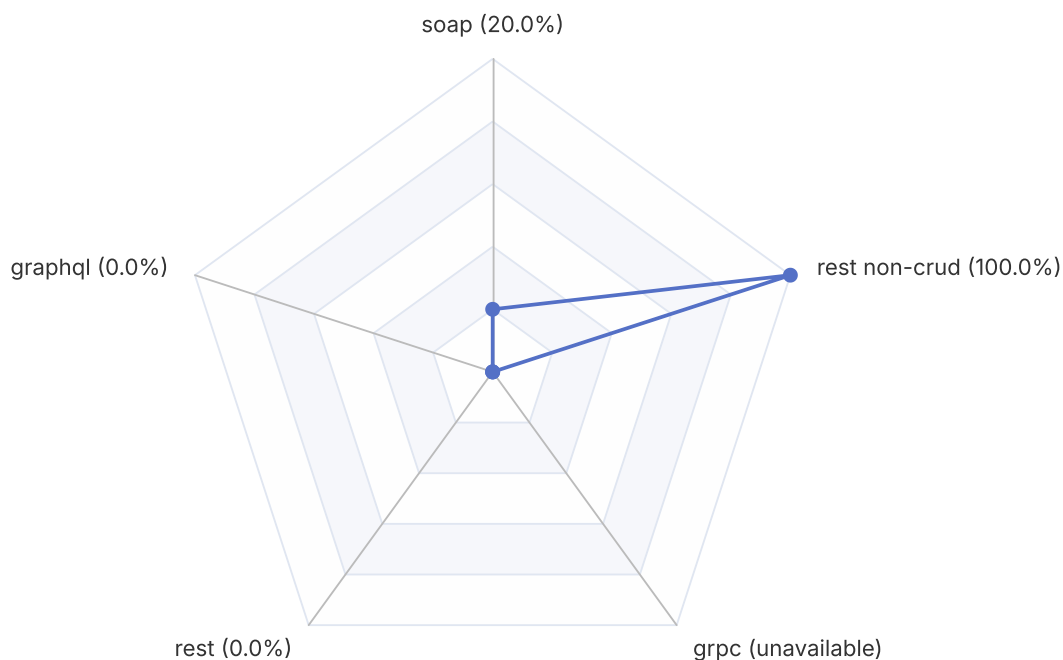**Testing Date** : 24 June 2024
GoTestWAF version : v0.4.19
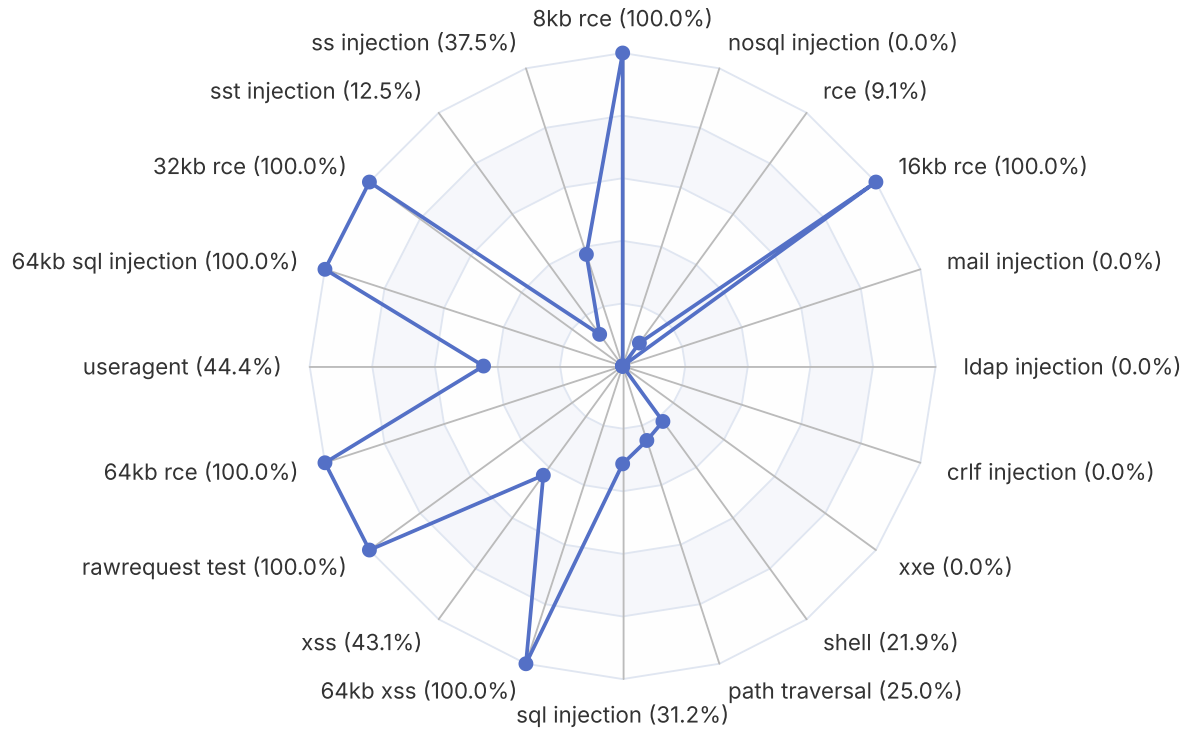**Test cases fingerprint** : 222d0cdefe41694b5c6c432e87db51eb
Used arguments : --url=http://modesec --noEmailReport

Type	True-positive tests blocked		True-negative tests passed		Grade	
API Security	F	13.6%	N/A	0.0%	F	13.6%
Application Security	F	31.1%	C+	78.7%	F	54.9%

API Security

soap (20.0%)

rest non-crud (100.0%)

graphql (0.0%)

grpc (unavailable)

rest (0.0%)

Application Security

8kb rce (100.0%)
nosql injection (0.0%)
ss injection (37.5%)
rce (9.1%)
sst injection (12.5%)
16kb rce (100.0%)
32kb rce (100.0%)
mail injection (0.0%)
64kb sql injection (100.0%)
ldap injection (0.0%)
useragent (44.4%)
crlf injection (0.0%)
64kb rce (100.0%)
xxe (0.0%)
rawrequest test (100.0%)
shell (21.9%)
xss (43.1%)
path traversal (25.0%)
64kb xss (100.0%)
sql injection (31.2%)

Benchmarks against other solutions

Type	API Security	Application Security	Overall score
ModSecurity PARANOIA=1	F 27.3%	D 66.8%	F 47.0%
ModSecurity PARANOIA=2	F 40.9%	F 58.2%	F 49.6%
ModSecurity PARANOIA=3	B 86.4%	F 50.4%	D+ 68.4%
ModSecurity PARANOIA=4	A+ 100.0%	F 36.0%	D+ 68.0%
[Wallarm](#)	A+ 100.0%	A+ 97.7%	A+ 98.9%
Your project	F 13.6%	F 54.9%	F 34.3%

Details

Summary

Total requests sent: 797
Number of blocked requests: 228
Number of passed requests: 562
Number of unresolved requests: 7
Number of failed requests: 0

True-positive tests

Test set	Test case	Percentage	Blocked	Bypassed	Unresolved	Sent	Failed
community	community-128kb-rce	0.00%	0	0	1	1	0
community	community-128kb-sqli	0.00%	0	0	1	1	0
community	community-128kb-xss	0.00%	0	0	1	1	0
community	community-16kb-rce	100.00%	1	0	0	1	0
community	community-16kb-sqli	0.00%	0	0	0	0	0
community	community-16kb-xss	0.00%	0	0	0	0	0
community	community-32kb-rce	100.00%	1	0	0	1	0
community	community-32kb-sqli	0.00%	0	0	0	0	0
community	community-32kb-xss	0.00%	0	0	0	0	0
community	community-64kb-rce	100.00%	1	0	0	1	0
community	community-64kb-sqli	100.00%	1	0	0	1	0
community	community-64kb-xss	100.00%	1	0	0	1	0
community	community-8kb-rce	100.00%	1	0	0	1	0
community	community-8kb-sqli	0.00%	0	0	0	0	0
community	community-8kb-xss	0.00%	0	0	0	0	0
community	community-lfi	0.00%	0	0	0	0	0
community	community-lfi-multipart	0.00%	0	0	2	2	0
community	community-rce	50.00%	2	2	0	4	0
community	community-rce-rawrequests	100.00%	3	0	0	3	0
community	community-sqli	75.00%	9	3	0	12	0
community	community-user-agent	44.44%	4	5	0	9	0
community	community-xss	68.27%	71	33	0	104	0
community	community-xxe	0.00%	0	2	0	2	0
Summary for community		**78.14%**	**95**	**45**	**5**	**145**	**0**
owasp	crlf	0.00%	0	7	0	7	0
owasp	ldap-injection	0.00%	0	24	0	24	0
owasp	mail-injection	0.00%	0	24	0	24	0
owasp	nosql-injection	0.00%	0	50	0	50	0
owasp	path-traversal	25.00%	5	15	0	20	0

owasp	rce	0.00%	0	18	0	18	0
owasp	rce-urlparam	0.00%	0	0	0	0	0
owasp	shell-injection	21.88%	7	25	0	32	0
owasp	sql-injection	16.67%	6	30	0	36	0
owasp	ss-include	37.50%	9	15	0	24	0
owasp	sst-injection	12.50%	3	21	0	24	0
owasp	xml-injection	0.00%	0	5	1	6	0
owasp	xss-scripting	31.39%	70	153	1	224	0
Summary for owasp		**12.08%**	**100**	**387**	**2**	**489**	**0**
owasp-api	graphql	0.00%	0	6	0	6	0
owasp-api	graphql-post	0.00%	0	2	0	2	0
owasp-api	grpc	0.00%	0	0	0	0	0
owasp-api	non-crud	100.00%	2	0	0	2	0
owasp-api	rest	0.00%	0	7	0	7	0
owasp-api	soap	20.00%	1	4	0	5	0
Summary for owasp-api		**24.00%**	**3**	**19**	**0**	**22**	**0**
Summary for true-positive tests		**30.51%**	**198**	**451**	**7**	**656**	**0**

True-negative tests

Test set	Test case	Percentage	Blocked	Bypassed	Unresolved	Sent	Failed
false-pos	texts	78.72%	30	111	0	141	0

True Negative Tests

111 true-negative requests identified as bypassed (test passed, good behavior)
30 true-negative requests identified as blocked (test failed, bad behavior)

Bypasses in Details

451 malicious requests have bypassed the security solution

Unresolved requests in Details

7 requests identified as blocked and passed or as not-blocked and not-passed