GoTestWAF
API / Application Security Testing Results

Overall grade:

B-

82.9 / 100

Project name : generic
URL : http://10.10.10.201:8002
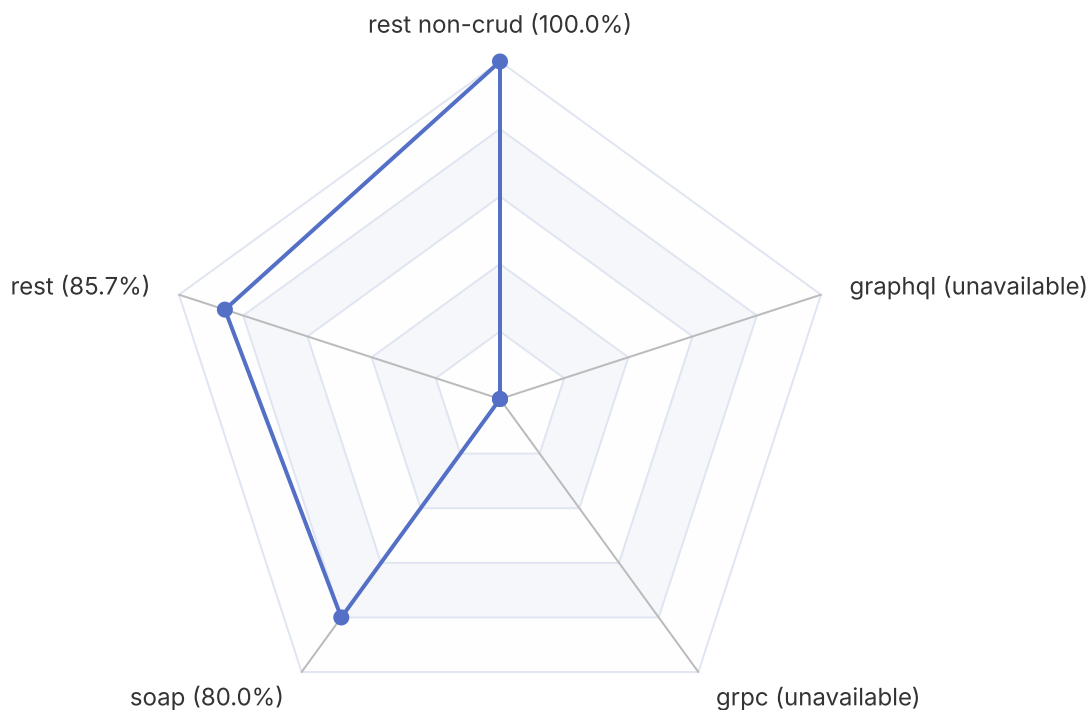**Testing Date** : 07 April 2025
GoTestWAF version : v0.5.6
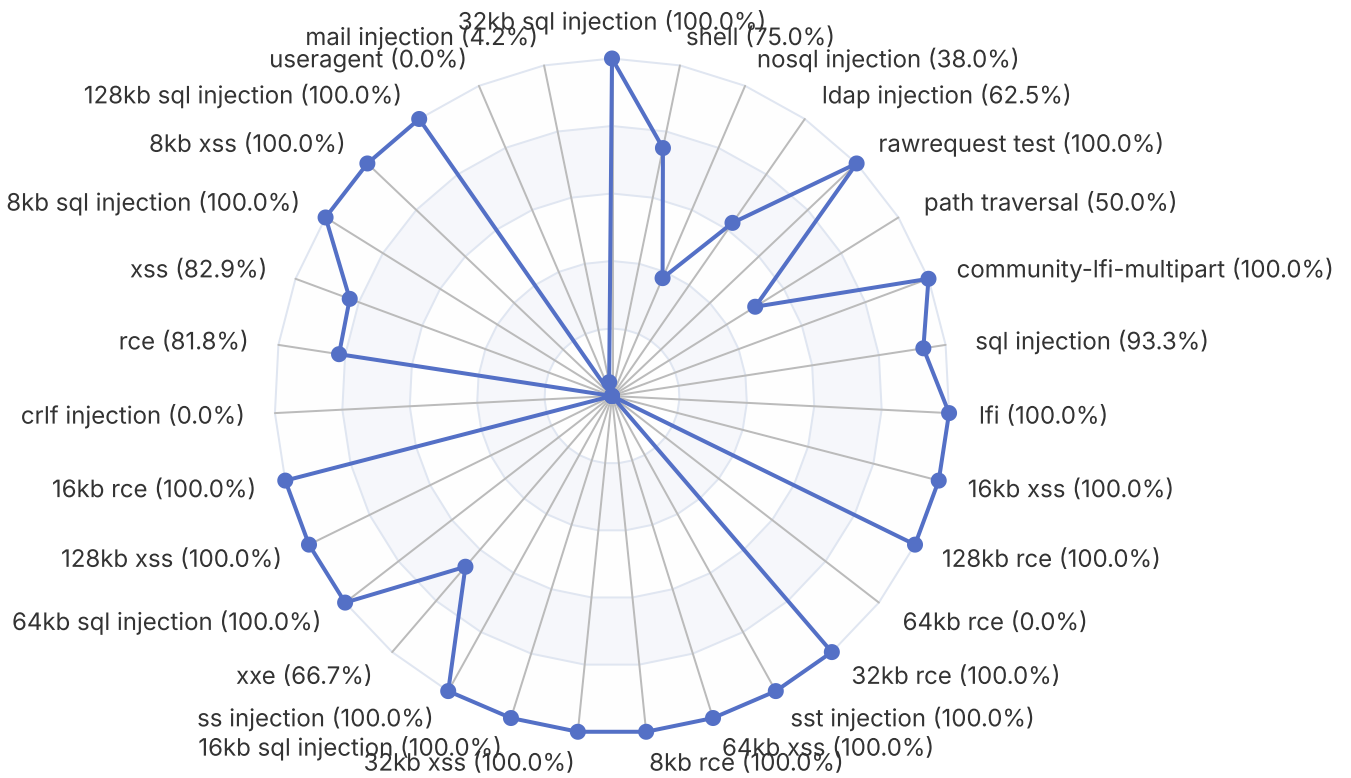**Test cases fingerprint** : c6d14d6138601d19d215bb97806bcda3
Used arguments : --url=http://10.10.10.201:8002 --noEmailReport

Type	True-positive tests blocked		True-negative tests passed		Grade	
API Security	B	85.7%	N/A	0.0%	B	85.7%
Application Security	C	75.0%	B	85.1%	B-	80.1%

API Security

rest non-crud (100.0%)
graphql (unavailable)
rest (85.7%)
grpc (unavailable)
soap (80.0%)

Application Security

32kb sql injection (100.0%)
mail injection (4.2%)
shell (75.0%)
useragent (0.0%)
nosql injection (38.0%)
128kb sql injection (100.0%)
ldap injection (62.5%)
8kb xss (100.0%)
rawrequest test (100.0%)
8kb sql injection (100.0%)
path traversal (50.0%)
xss (82.9%)
community-lfi-multipart (100.0%)
rce (81.8%)
sql injection (93.3%)
crlf injection (0.0%)
lfi (100.0%)
16kb rce (100.0%)
16kb xss (100.0%)
128kb xss (100.0%)
128kb rce (100.0%)
64kb sql injection (100.0%)
64kb rce (0.0%)
xxe (66.7%)
32kb rce (100.0%)
ss injection (100.0%)
sst injection (100.0%)
16kb sql injection (100.0%)
64kb xss (100.0%)
32kb xss (100.0%)
8kb rce (100.0%)

Benchmarks against other solutions

Type	API Security	Application Security	Overall score
ModSecurity PARANOIA=1	F 42.9%	D+ 67.6%	F 55.2%
ModSecurity PARANOIA=2	F 57.1%	F 58.9%	F 58.0%
ModSecurity PARANOIA=3	B 85.7%	F 50.9%	D+ 68.3%
ModSecurity PARANOIA=4	A+ 100.0%	F 36.8%	D+ 68.4%
Wallarm	A+ 100.0%	A+ 97.7%	A+ 98.9%
Your project	B 85.7%	B- 80.1%	B- 82.9%

Details

Summary

Total requests sent: 816
Number of blocked requests: 528
Number of passed requests: 287
Number of unresolved requests: 1
Number of failed requests: 0

True-positive tests

Test set	Test case	Percentage	Blocked	Bypassed	Unresolved	Sent	Failed
community	community-128kb-rce	100.00%	1	0	0	1	0
community	community-128kb-sqli	100.00%	1	0	0	1	0
community	community-128kb-xss	100.00%	1	0	0	1	0
community	community-16kb-rce	100.00%	1	0	0	1	0
community	community-16kb-sqli	100.00%	1	0	0	1	0
community	community-16kb-xss	100.00%	1	0	0	1	0
community	community-32kb-rce	100.00%	1	0	0	1	0
community	community-32kb-sqli	100.00%	1	0	0	1	0
community	community-32kb-xss	100.00%	1	0	0	1	0
community	community-64kb-rce	0.00%	0	1	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	100.00%	1	0	0	1	0
community	community-8kb-xss	100.00%	1	0	0	1	0
community	community-lfi	100.00%	8	0	0	8	0
community	community-lfi-multipart	100.00%	2	0	0	2	0
community	community-rce	0.00%	0	4	0	4	0
community	community-rce-rawrequests	100.00%	3	0	0	3	0
community	community-sqli	100.00%	12	0	0	12	0
community	community-user-agent	0.00%	0	9	0	9	0
community	community-xss	87.50%	91	13	0	104	0
community	community-xxe	100.00%	2	0	0	2	0
Summary for community		**86.41%**	**132**	**27**	**0**	**159**	**0**
owasp	crlf	0.00%	0	7	0	7	0
owasp	ldap-injection	62.50%	15	9	0	24	0
owasp	mail-injection	4.17%	1	23	0	24	0
owasp	nosql-injection	38.00%	19	31	0	50	0
owasp	path-traversal	50.00%	10	10	0	20	0

owasp	rce	100.00%	6	0	0	6	0
owasp	rce-urlparam	100.00%	9	0	0	9	0
owasp	rce-urlpath	100.00%	3	0	0	3	0
owasp	shell-injection	75.00%	24	8	0	32	0
owasp	sql-injection	91.67%	44	4	0	48	0
owasp	ss-include	100.00%	24	0	0	24	0
owasp	sst-injection	100.00%	24	0	0	24	0
owasp	xml-injection	57.14%	4	3	0	7	0
owasp	xss-scripting	80.72%	180	43	1	224	0
Summary for owasp		**68.51%**	**363**	**138**	**1**	**502**	**0**
owasp-api	graphql	0.00%	0	0	0	0	0
owasp-api	graphql-post	0.00%	0	0	0	0	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	85.71%	6	1	0	7	0
owasp-api	soap	80.00%	4	1	0	5	0
Summary for owasp-api		**88.57%**	**12**	**2**	**0**	**14**	**0**
Summary for true-positive tests		**75.22%**	**507**	**167**	**1**	**675**	**0**

True-negative tests

Test set	Test case	Percentage	Blocked	Bypassed	Unresolved	Sent	Failed
false-pos	texts	85.11%	21	120	0	141	0

True Negative Tests

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

Bypasses in Details

167 malicious requests have bypassed the security solution

Unresolved requests in Details

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