GoTestWAF
API / Application Security Testing Results

Overall grade:

D+
67.8 / 100

Project name : generic
URL : http://nemesida
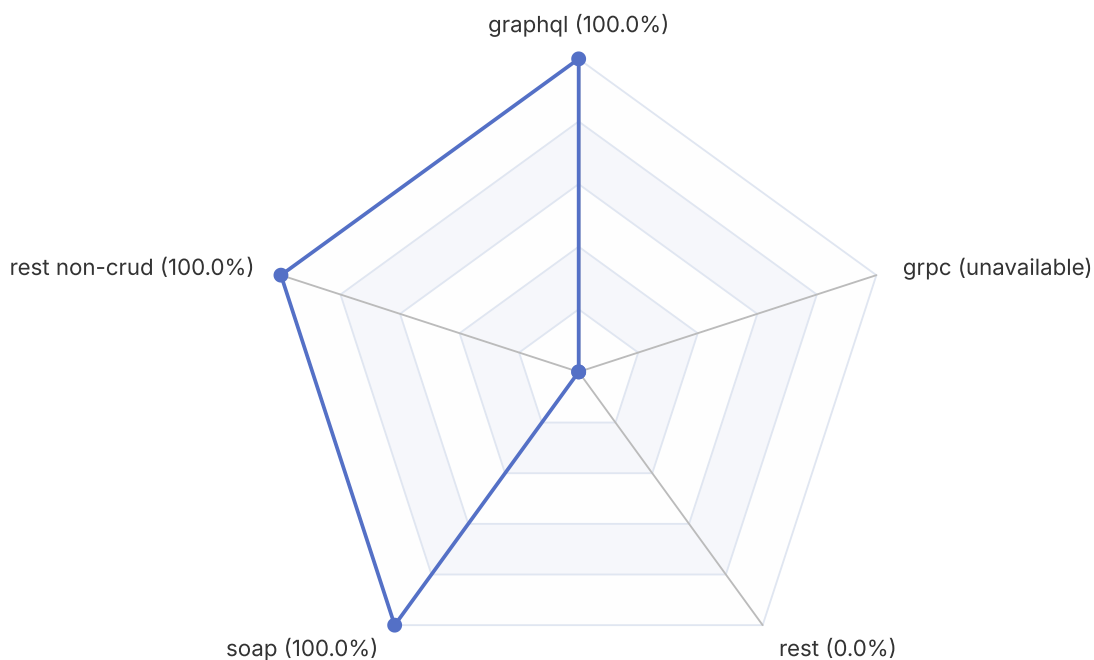**Testing Date** : 24 June 2024
GoTestWAF version : v0.4.19
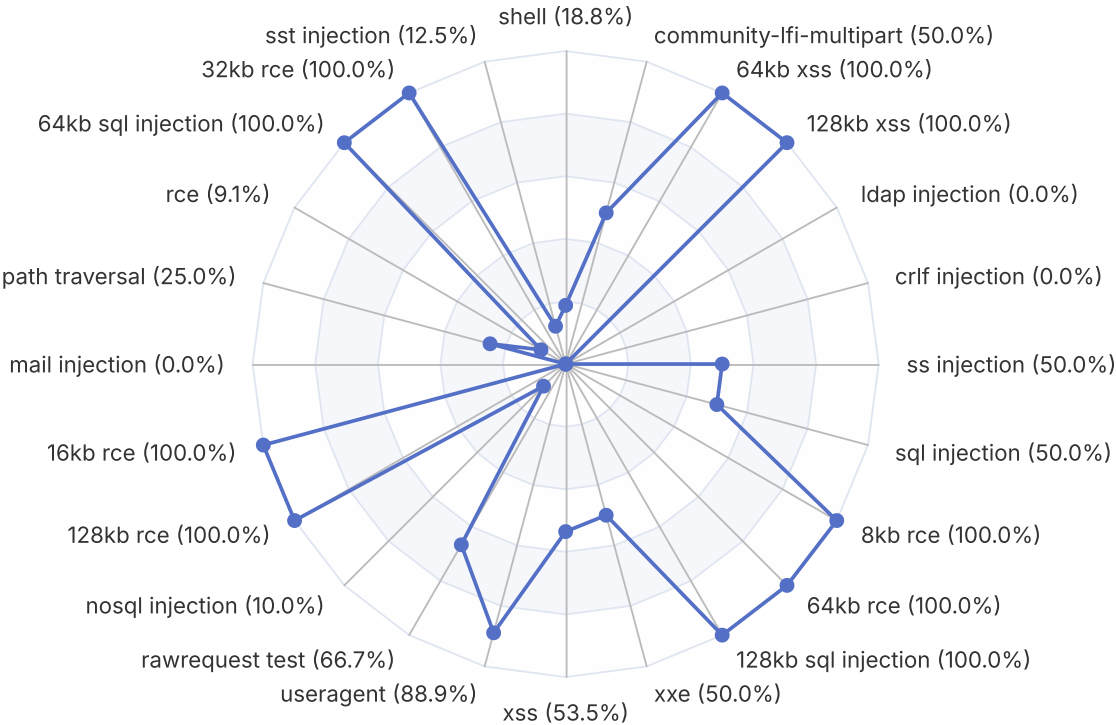**Test cases fingerprint** : 222d0cdefe41694b5c6c432e87db51eb
Used arguments : --url=http://nemesida --noEmailReport --blockStatusCodes=403

Type	True-positive tests blocked		True-negative tests passed		Grade	
API Security	D+	68.2%	N/A	0.0%	D+	68.2%
Application Security	F	40.4%	A	94.3%	D+	67.4%

API Security

Radar chart — API Security:
- graphql (100.0%)
- grpc (unavailable)
- rest (0.0%)
- soap (100.0%)
- rest non-crud (100.0%)

Application Security

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	D+ 68.2%	D+ 67.4%	D+ 67.8%

Details

Summary

Total requests sent: 797
Number of blocked requests: 279
Number of passed requests: 517
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	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	50.00%	1	1	0	2	0
community	community-rce	0.00%	0	4	0	4	0
community	community-rce-rawrequests	66.67%	2	1	0	3	0
community	community-sqli	75.00%	9	3	0	12	0
community	community-user-agent	88.89%	8	1	0	9	0
community	community-xss	69.23%	72	32	0	104	0
community	community-xxe	50.00%	1	1	0	2	0
Summary for community		**81.24%**	**102**	**43**	**0**	**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	10.00%	5	45	0	50	0
owasp	path-traversal	25.00%	5	15	0	20	0

owasp	rce	11.11%	2	16	0	18	0
owasp	rce-urlparam	0.00%	0	0	0	0	0
owasp	shell-injection	18.75%	6	26	0	32	0
owasp	sql-injection	41.67%	15	21	0	36	0
owasp	ss-include	50.00%	12	12	0	24	0
owasp	sst-injection	12.50%	3	21	0	24	0
owasp	xml-injection	50.00%	3	3	0	6	0
owasp	xss-scripting	46.19%	103	120	1	224	0
Summary for owasp		**22.10%**	**154**	**334**	**1**	**489**	**0**
owasp-api	graphql	100.00%	6	0	0	6	0
owasp-api	graphql-post	100.00%	2	0	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	100.00%	5	0	0	5	0
Summary for owasp-api		**80.00%**	**15**	**7**	**0**	**22**	**0**
Summary for true-positive tests		**41.37%**	**271**	**384**	**1**	**656**	**0**

True-negative tests

Test set	Test case	Percentage	Blocked	Bypassed	Unresolved	Sent	Failed
false-pos	texts	94.33%	8	133	0	141	0

True Negative Tests

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

Bypasses in Details

384 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