

Security Analysis Research Report

SERVER PERFORMANCE

• Latency (ms):

Avg: 84.28

Med: 1.52

• CPU (ms):

Avg: 0.0834

Med: 0.0014

• Memory (mb):

Avg: 0.0207

Med: 0.0080

ATTACK EFFICIENCY & OUTCOME

• Total Login Attempts:

55

• Total Targeted Accounts:

7

• Accounts Breached:

3

(42.9%)

• Accounts Protected:

4

(57.1%)

• Avg Attempts / Breached:

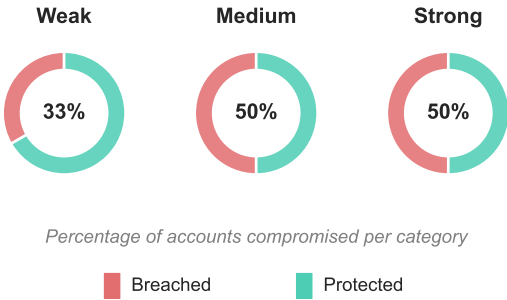
3.7

• Avg Attempts / Protected:

10.0

• Avg Time to Breach:

1.63s



EXPERIMENT CONFIGURATION

• Group Seed: 509041496

• Hash Type: bcrypt

Protections:

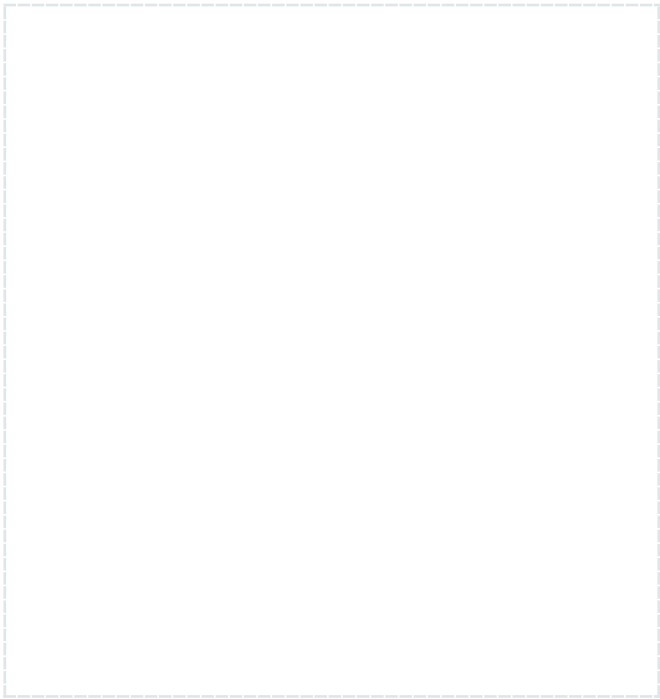
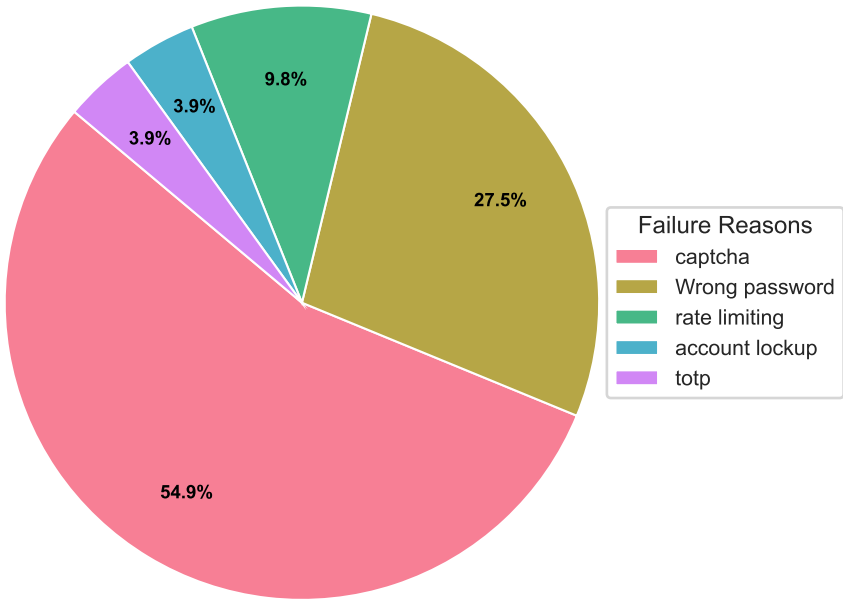
• Pepper

• Account Lockout

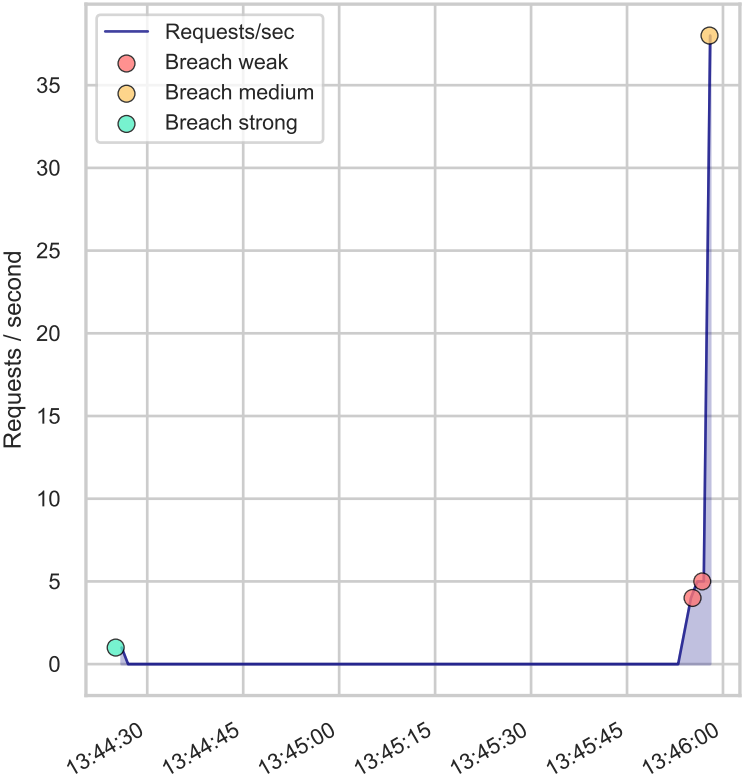
• Rate Limiting

• Captcha

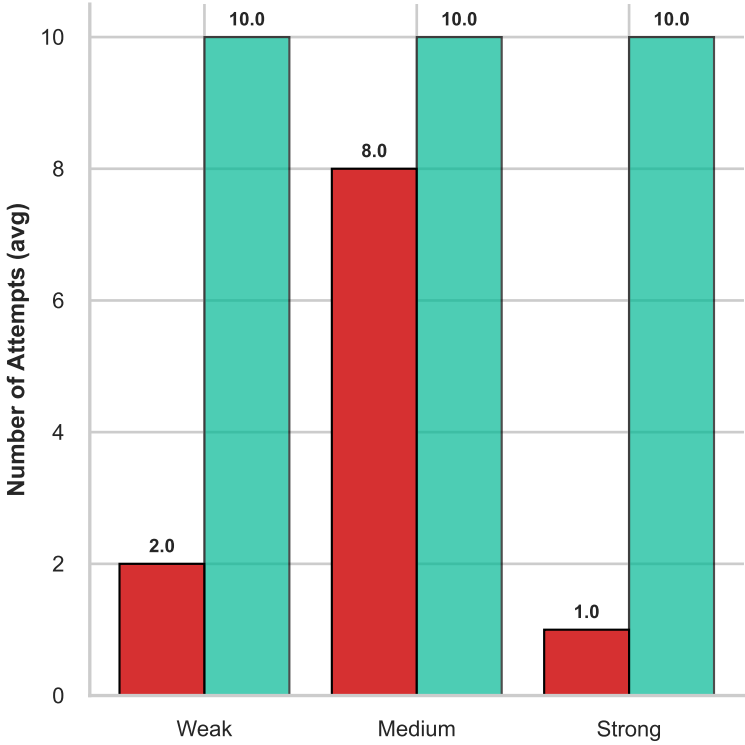
Blocking Factors Distribution



Requests over Time



Average Login Attempts



Avg. attempts until breached

Avg. attempts per non breached account