

Category: Misc

Challenge: How far can you trace?

In the challenge, we face with a problem. Problem expects us to keep clicking the **Next**. When we keep clicking we see that letters in the page changes. In the URL bar,

<http://167.172.169.173:3580/1>

URL has an integer parameter and as we keep clicking Next, the number increases. When we try huge number like 99999999 to the parameter, letter becomes **|END|** that's a sign for us to write a script to save the letters. I used selenium to write a script, since the website is written with Vue and Vue requires javascript to be enabled. By using similar scripts to the one below, we can get all the content:

```
import random
from selenium import webdriver
from selenium.webdriver.common.keys import Keys
import time

driver = webdriver.Chrome("./chromedriver")

content = ""
letter = ""
i = 1

while letter != "|END|":
    driver.get('http://167.172.169.173:3580/'+str(i))
    time.sleep(1) # In case server responds slow to the client, waiting for letter to become visible
    letter = driver.find_element_by_id("content").text
    content += letter
    i += 1
```

After we get the full text, we need to decode it using a base64 decoder. After decoding it we see the flag at the end of the plain text.