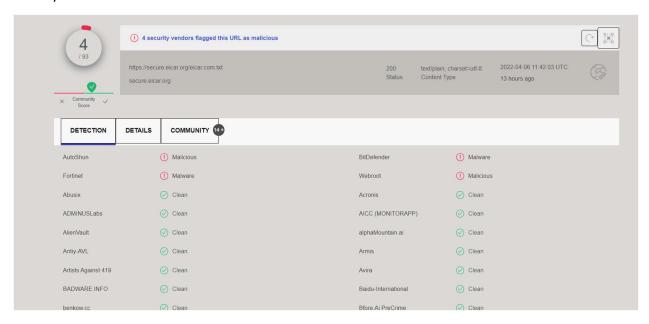
### **ABSTRACT:**

Throughout this lab, I had to find information about different malicious programs using tools like VirusTotal and AnyRun. I downloaded a file to my computer that I scanned using VirusTotal, and I researched different malware reports for both suspicious and malicious activity. I have included screenshots and explanations of each screenshot to show what I completed throughout this lab. I also included information about how I found that you can find VirusTotal information while looking at AnyRun reports, which means that they are somewhat connected and can easily be used together.

## **DISCUSSION:**

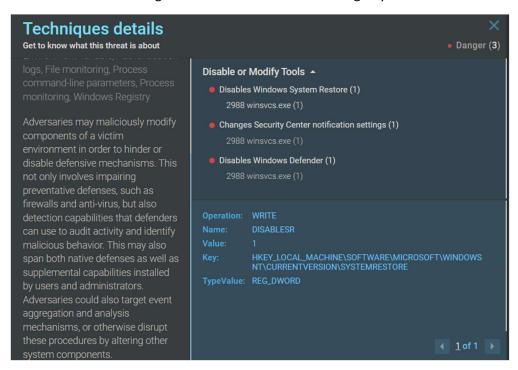
#### Activity1:



This is the VirusTotal information that I found for the Eicar.com Anti Malware Testfile. It shows that only a few Anti-Virus software programs considered this file malicious. For me, windows defender wanted to keep me from downloading the file because it considered it to be malicious. I wasn't able to download the file so I just uploaded it directly on to the website which gave the exact same result.

#### Activity2:

**2988 winsvcs.exe** is a virus that disables windows system restore, changes security notification settings so users don't receive notifications about security issues, and it disables windows defenders. 2612 496977.exe causes changes to the autorun value in the registry.



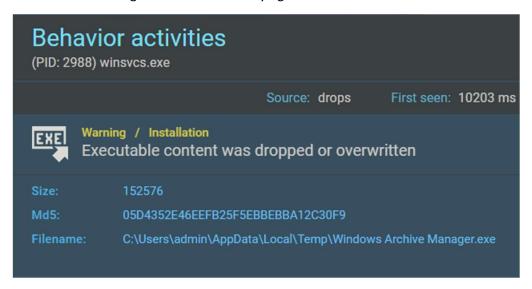
Under the process details, I found the following information. This information includes the fact that "executable content was dropped or overwritten". It also shows that files were created in the user directory.



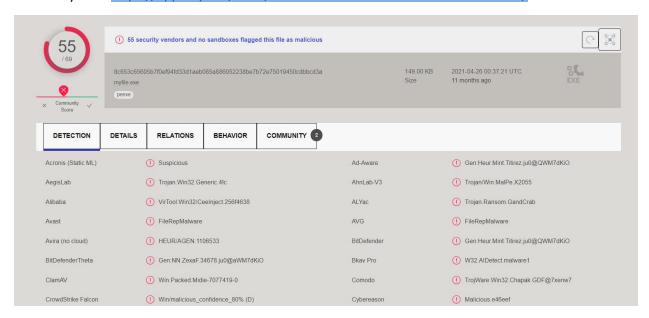
The network connections that were made are listed in the screenshot below. They used Mozilla Firefox on a Mac X 10.9 and I believe that they looked up something called Gecko.



I found the following information while trying to find more about the executable content being dropped.



Link to my virus https://app.any.run/tasks/7c0a85d4-3d7c-4233-b27b-078ca47e3a98/



This is the virus total for the virus that I was analyzing.

#### Activity 3:

In activity 3 I downloaded a file called "WellLookatyou.docm". This file contains some code, and I copy and pasted the parts of the code that had "str" on them. I pasted these in a python emulator, where I put print(str), in order to get the full output of the string. I then took this output and ran it through cyber chef and translated it from <a href="mailto:base64">base64</a> inflated</a>. The output ended up showing that the attacker was going to try to connect to port 8080 to download data. According to the following article, <a href="mailto:port 8080">port 8080</a> is an HTTP alternative.

https://www.computerhope.com/jargon/p/port.htm

What encoding was used to hide the payload?

Answer: Base64 inflated

What was the port it will try to connect to download data?

Answer: port 8080(HTTP alternative)

# **RECOMMENDATIONS & CONCLUSIONS:**

Altogether I enjoyed this lab, but I wish that there was more information on navigating the AnyRun website. This website has plenty of valuable information, but you have to sift through the less valuable information to find it. I was able to mess around a lot with the website and find some cool connections between this website and other websites, like how I mentioned it was connected to VirusTotal information.

This lab was decently difficult as not everything was specifically lined out, and the instructions could have been a little bit more straightforward. Some extremely specific instructions would be very helpful for navigating the website, but it was still fun messing around on the website and I liked that aspect of it.