Student:	Email:
Andre Hardy	ahardy754@email.porterchester.edu

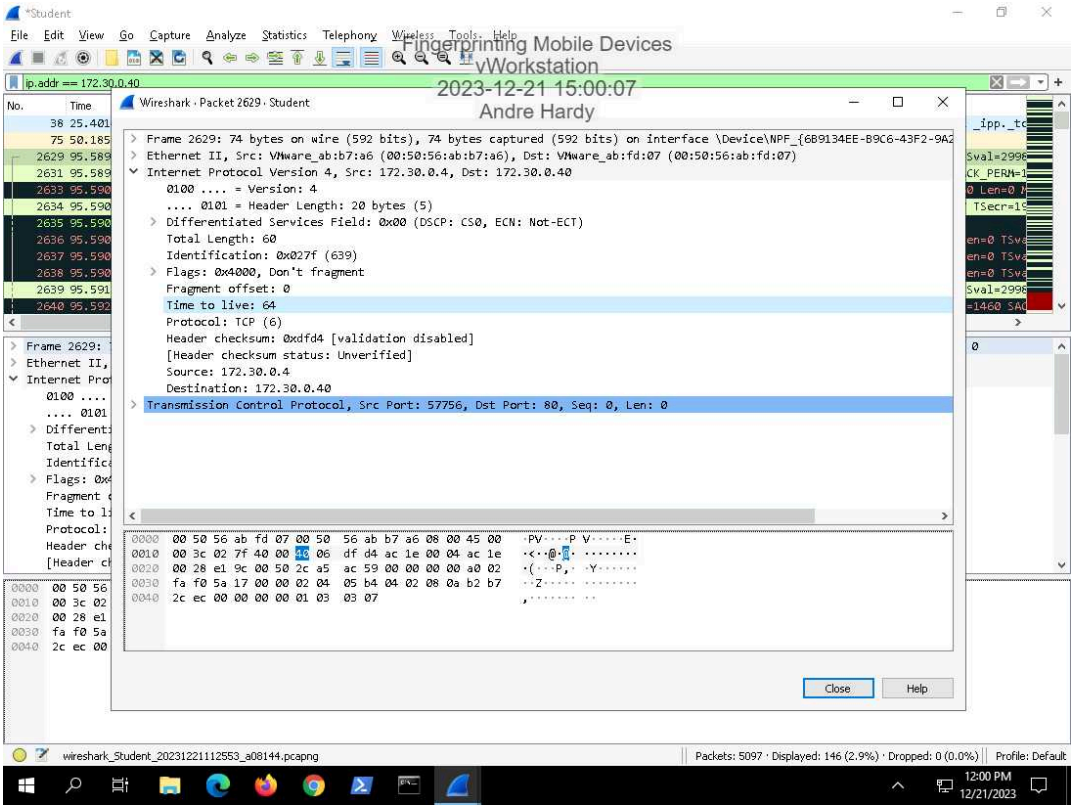
Time on Task:	Progress:
2 hours, 22 minutes	100%

Report Generated: Sunday, December 24, 2023 at 3:42 PM

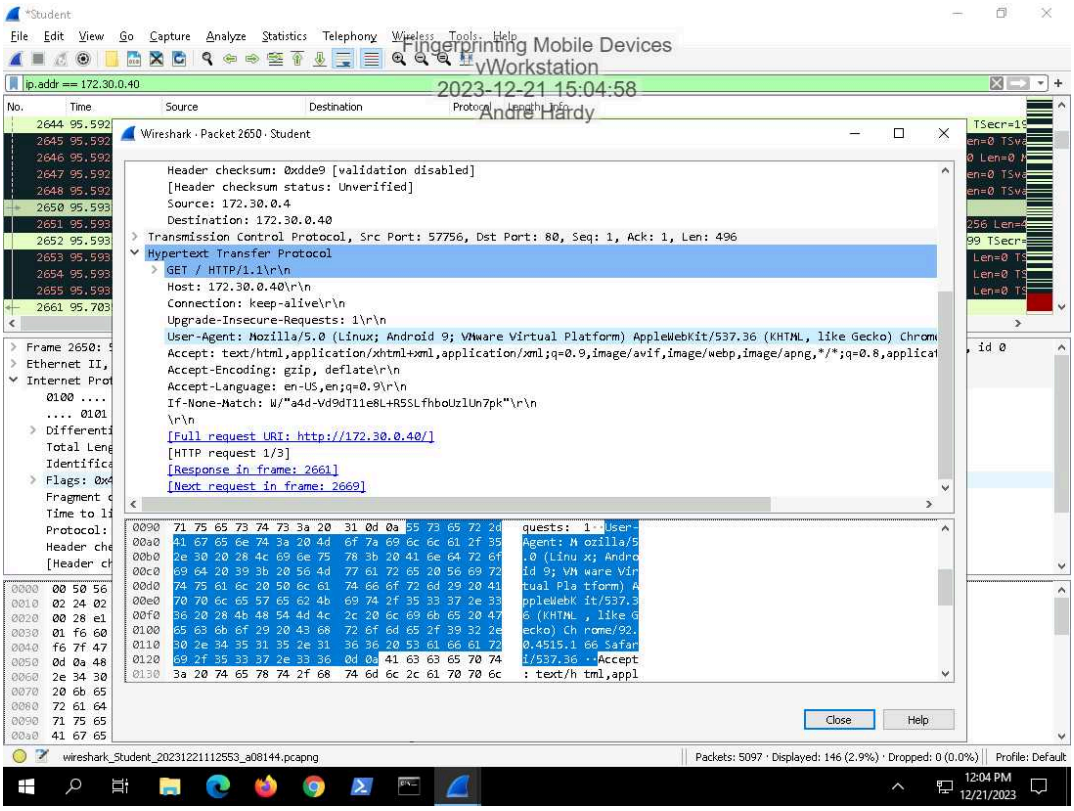
Section 1: Hands-On Demonstration

Part 1: Perform Passive Fingerprinting with Wireshark

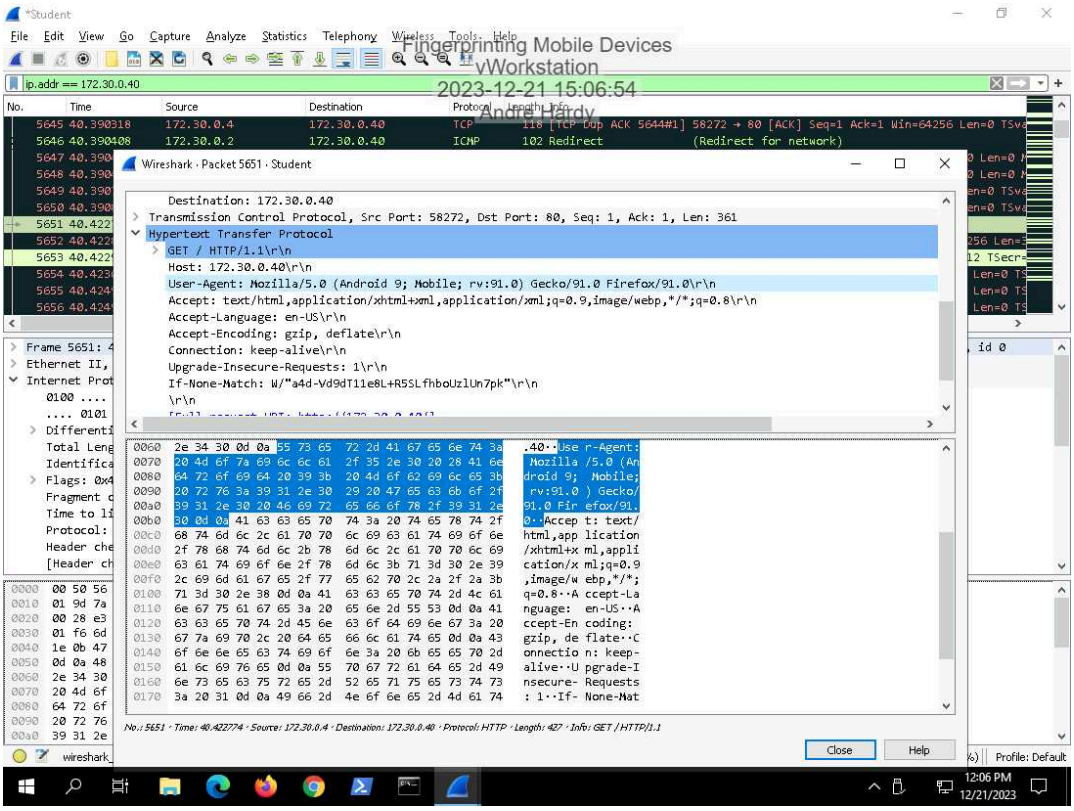
14. **Make a screen capture** showing the **Time to live field**.



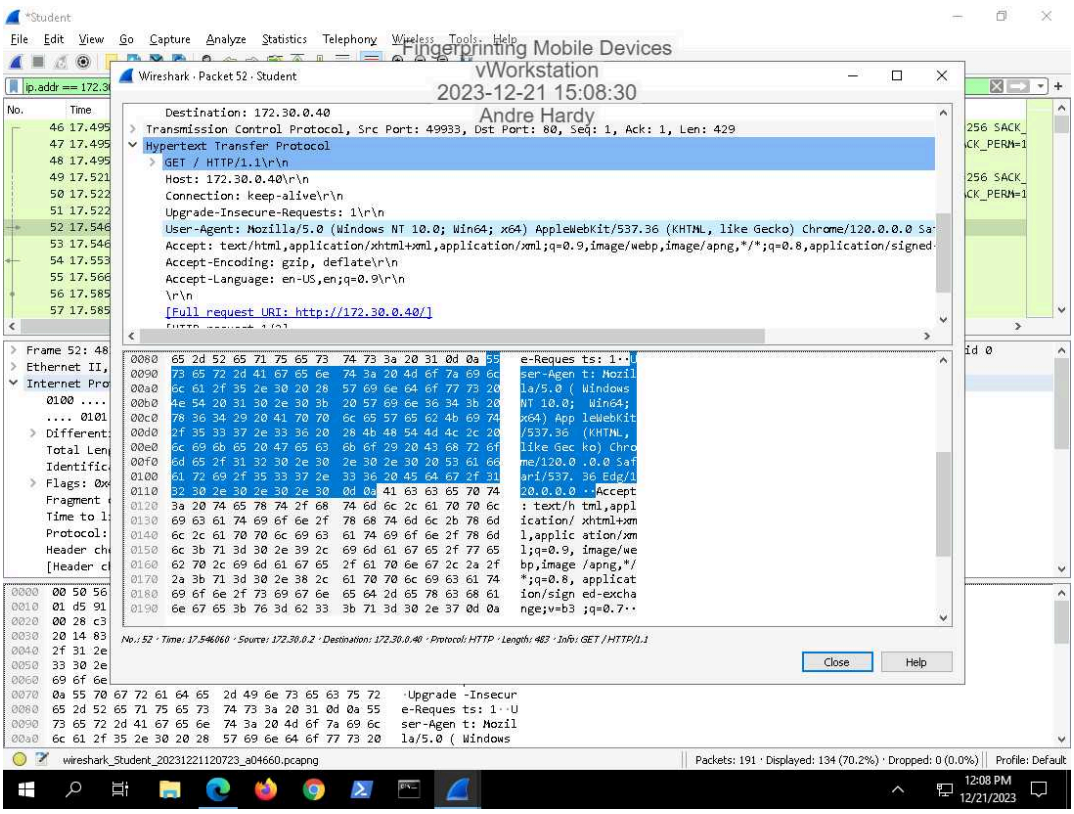
18. **Make a screen capture** showing the **User-Agent string for the Chrome browser session**.



23. **Make a screen capture** showing the **User-Agent string for the Firefox browser session**.



29. **Make a screen capture** showing the **User-Agent string for the Edge browser session from the vWorkstation**.

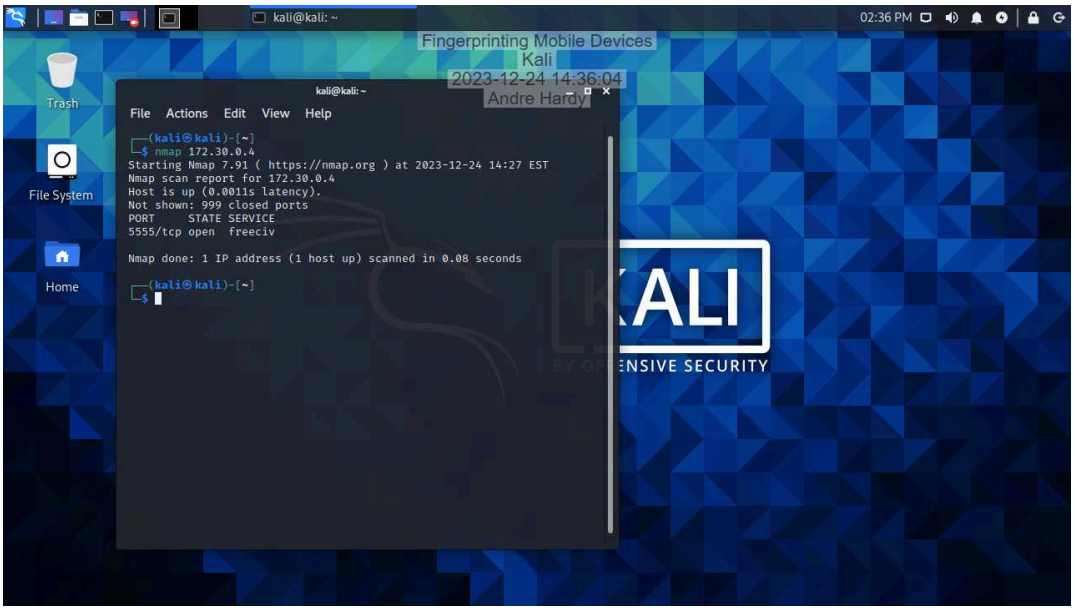


30. **Compare** the three User-Agent strings. How do they differ? How are they similar?

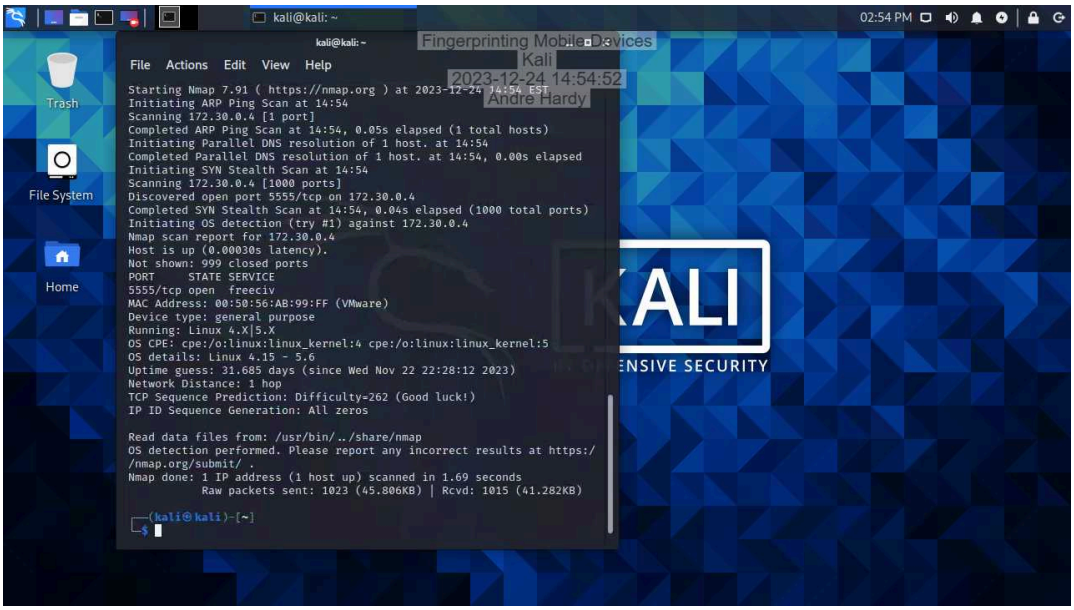
Each include the different operating system and web browser; however, they all follow the same format and convention.

Part 2: Perform Active Fingerprinting with Nmap

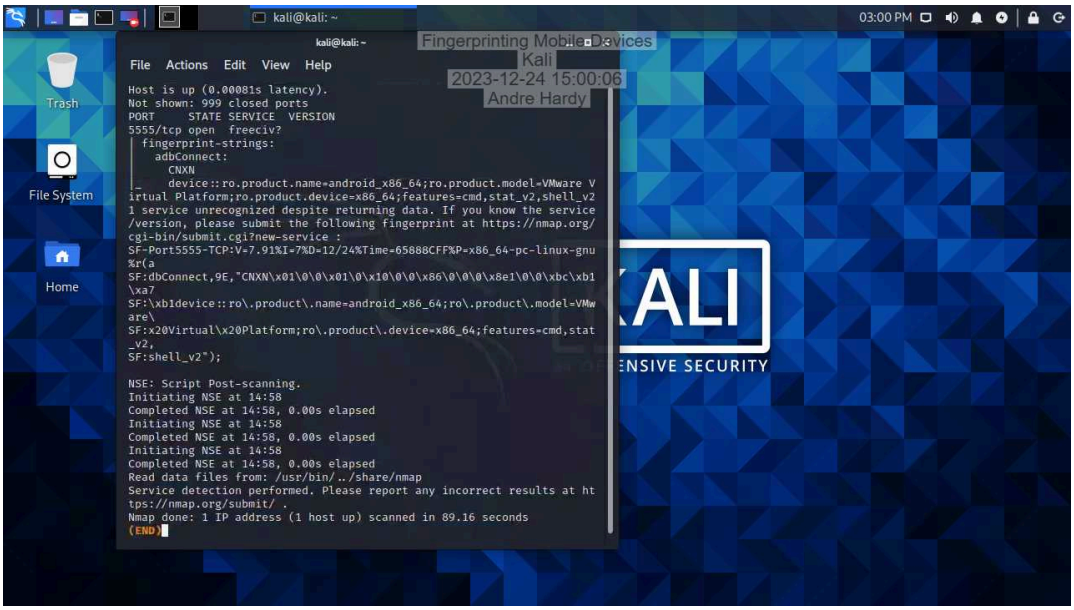
5. **Make a screen capture** showing the **results of the default Nmap scan**.



7. **Make a screen capture** showing the **results of the -O -v Nmap scan**.



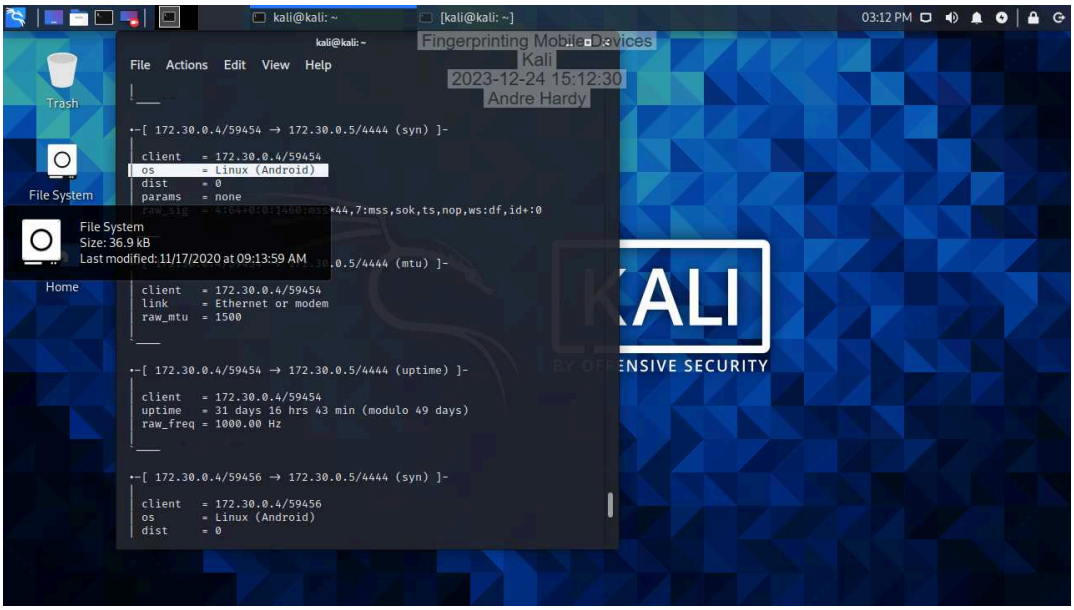
11. **Make a screen capture** showing the **product name in the Nmap output**.



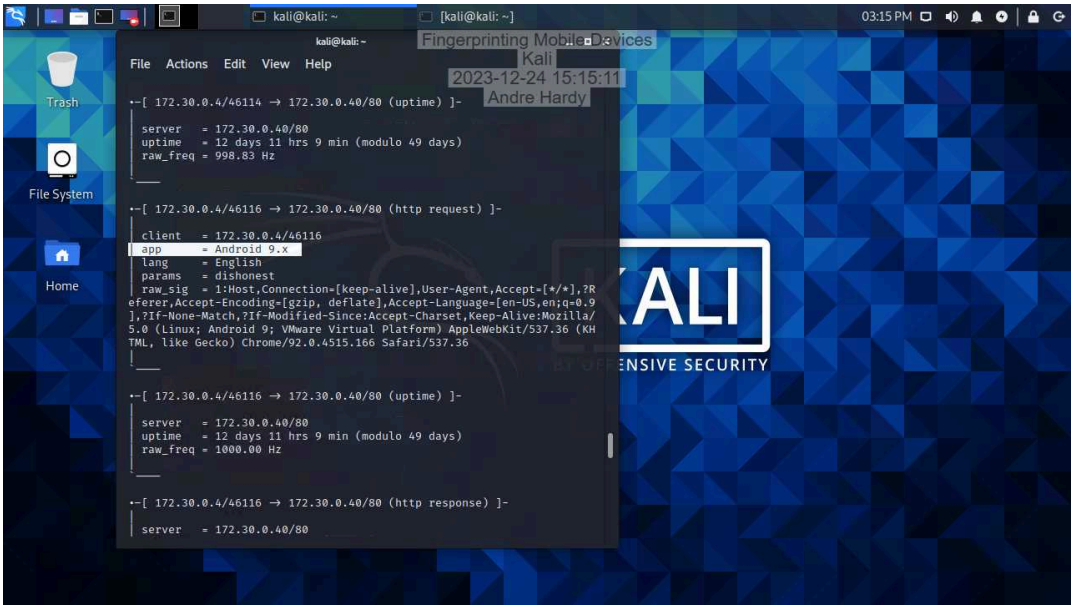
Section 2: Applied Learning

Part 1: Perform Passive Fingerprinting with p0f

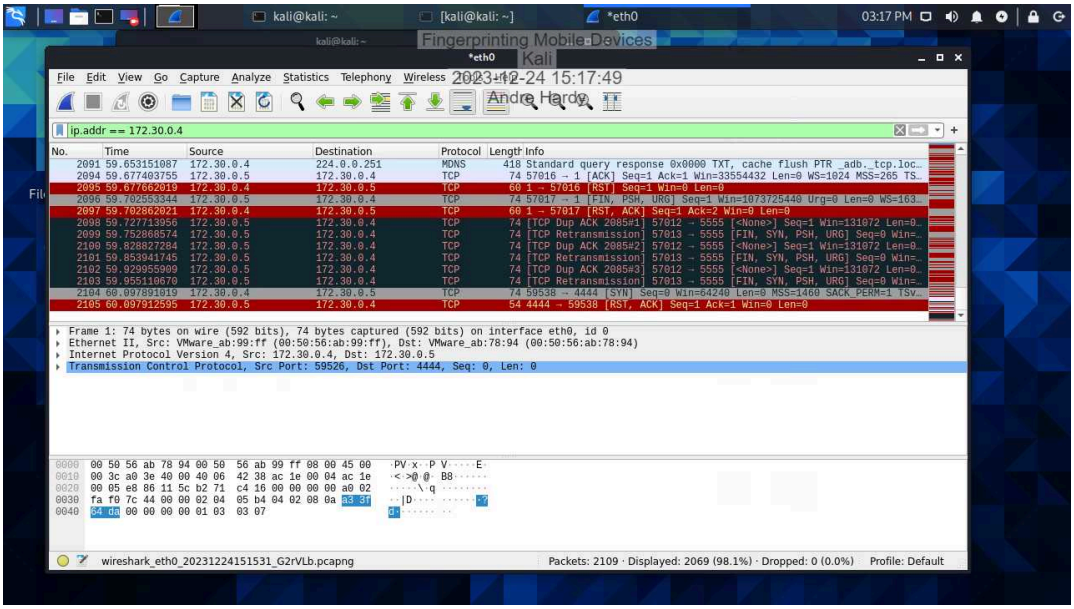
7. **Make a screen capture** showing the **p0f result identifying 172.30.0.4 as Linux (Android)**.



14. **Make a screen capture** showing the **p0f result identifying 172.30.0.4 as Android 9.x**.



19. **Make a screen capture** showing the **traffic generated by Nmap in Wireshark**.

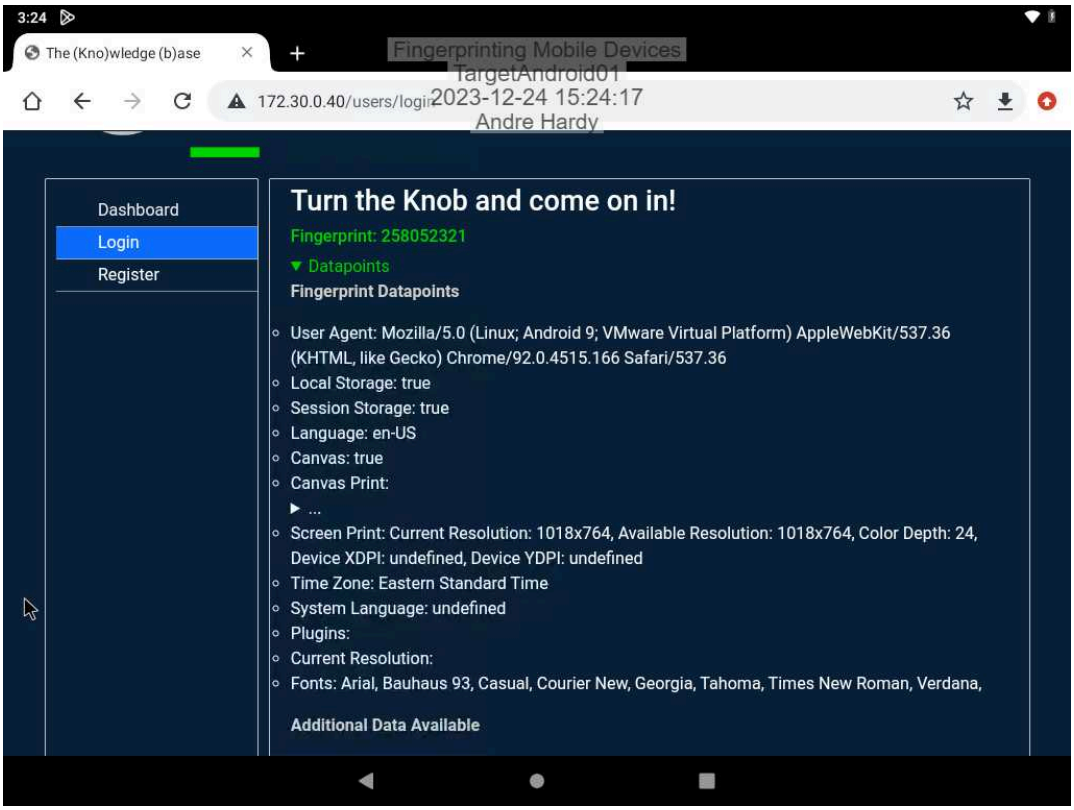


24. **Compare** the Wireshark results from the p0f scan to the Nmap scan.

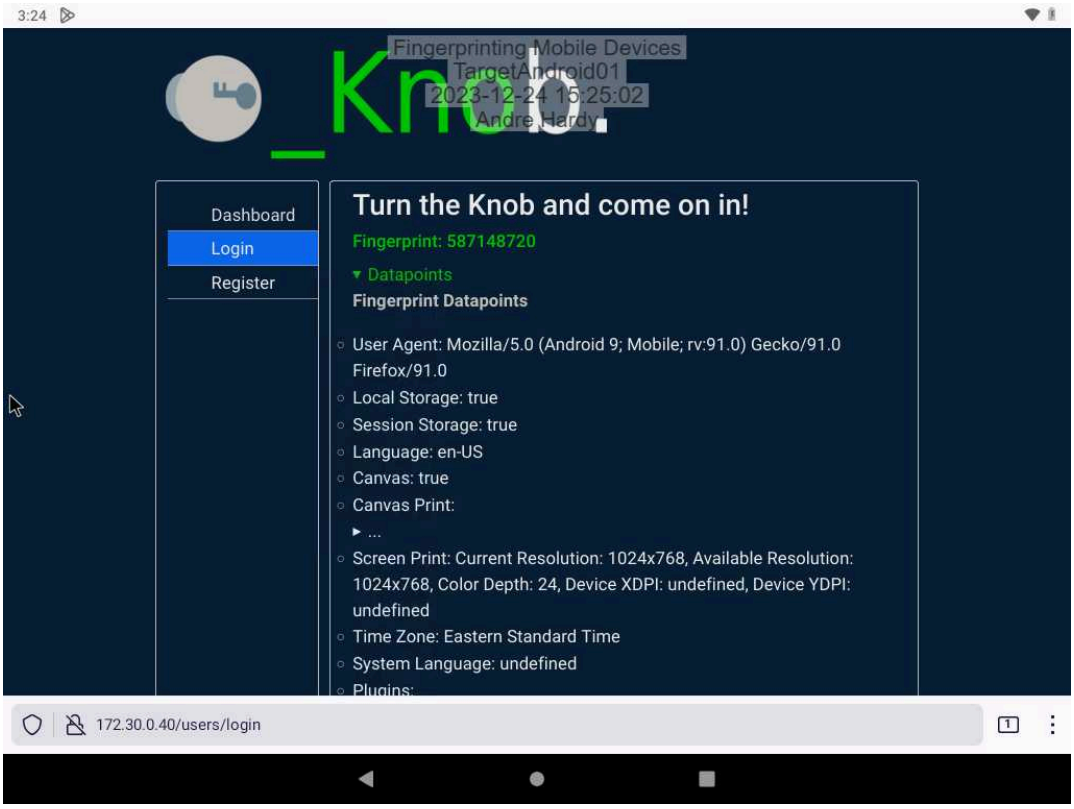
The results from the p0f scan only produced around 250 lines of traffic compared to the 2,000 lines produced by Nmap.

Part 2: Perform Active Fingerprinting with ClientJS

4. **Make a screen capture** showing the **Chrome fingerprint on TargetAndroid01**.



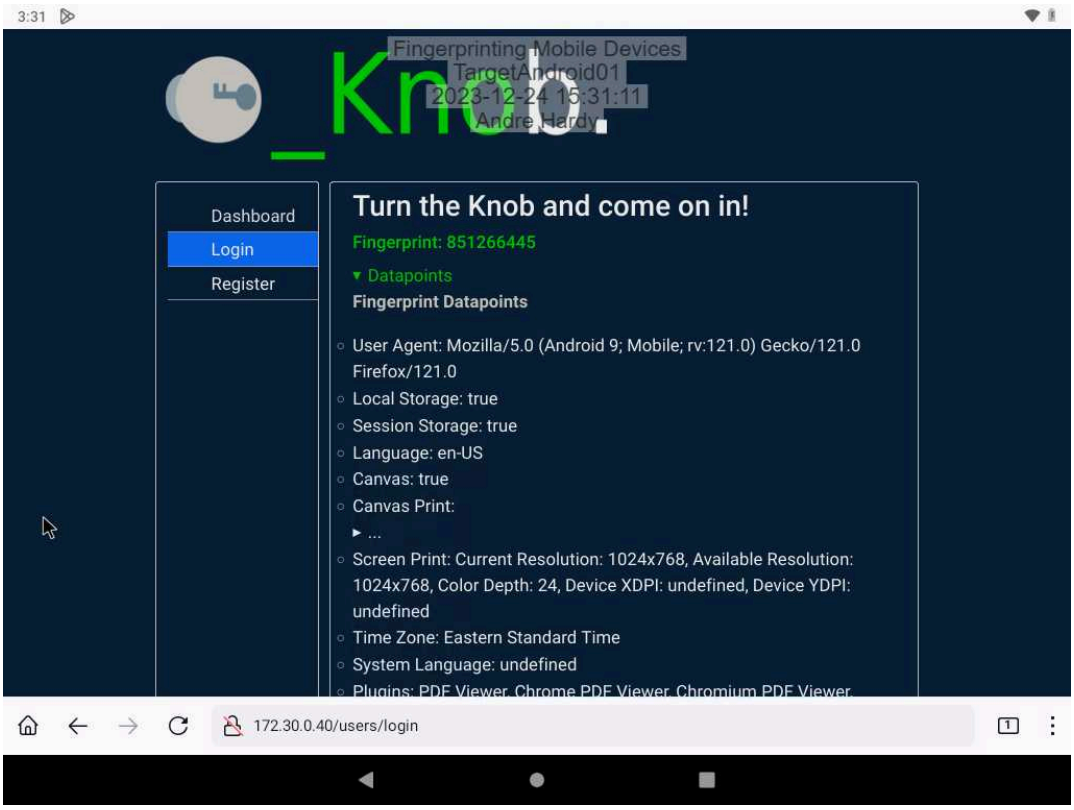
9. **Make a screen capture** showing the **Firefox fingerprint on TargetAndroid01**.



10. **Identify** the differences between the Datapoints values generated for Chrome and the Datapoints values generated for Firefox.

I do not see any differences

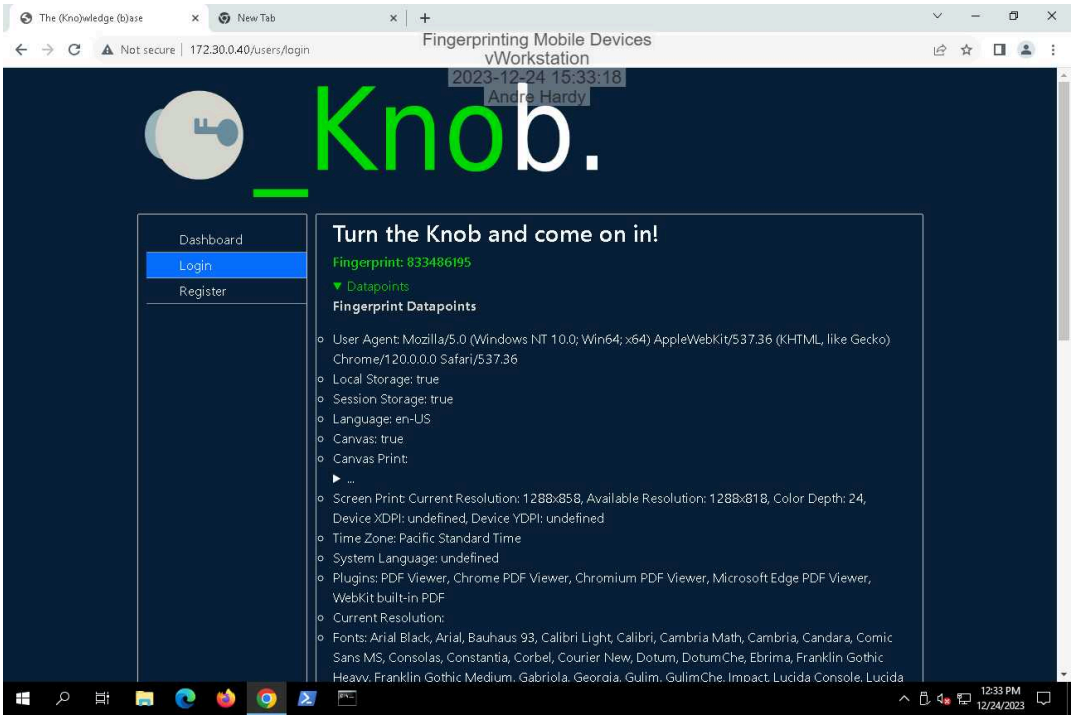
16. **Make a screen capture** showing the **updated Firefox fingerprint on TargetAndroid01**.



17. **Identify** the differences between the Datapoints values for Firefox before and after the update.

I do not see any differences

20. **Make a screen capture** showing the **Chrome fingerprint on the vWorkstation**.



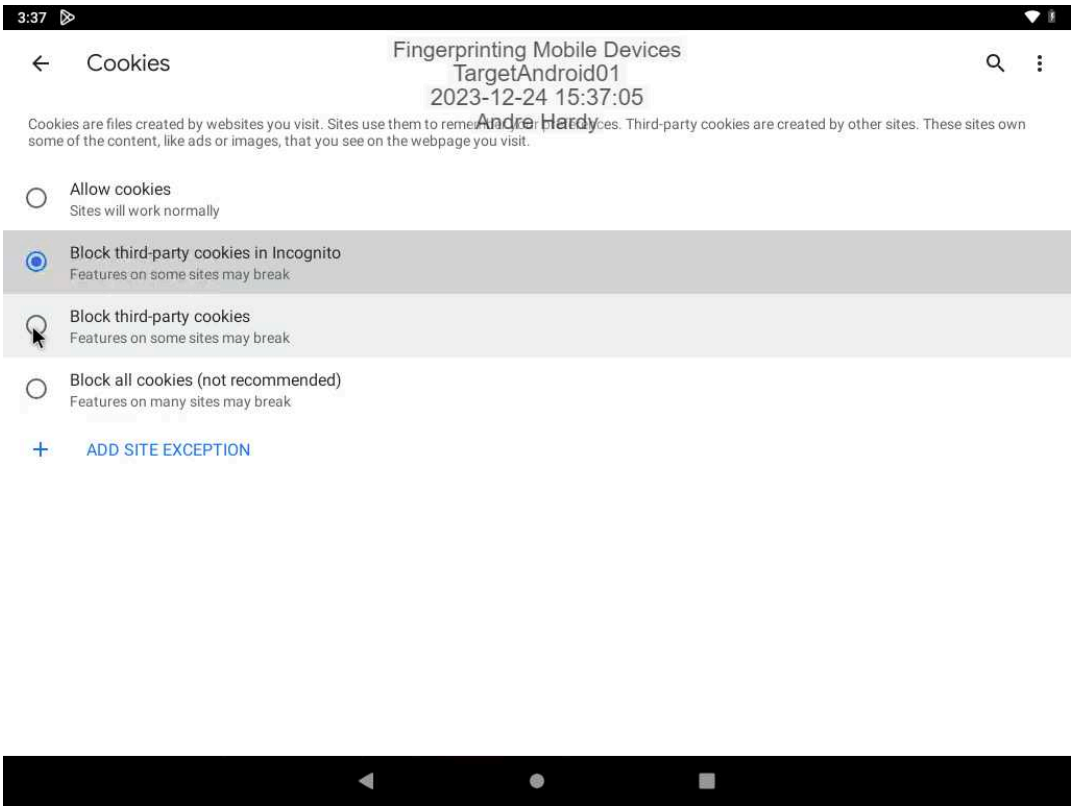
21. **Identify** the differences between the Datapoints values on the vWorkstation and TargetAndroid01.

It appears to have collected the same data points

Section 3: Challenge and Analysis

Part 1: Disable Third-Party Cookies

Make a screen capture showing the **cookie settings in Chrome on TargetAndroid01**.



What would happen if you switched to a different option for allowing versus blocking cookies, and how would it hinder attempts to track your activities online? Would there be any drawbacks?

There would be drawbacks to security in terms of fingerprinting your device and allow easier tracking of your device.

Part 2: Test Your Browser's Tracking Protection

Make a screen capture showing the **Cover Your Tracks assessment results**.