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Time on Task:
2 hours, 15 minutes

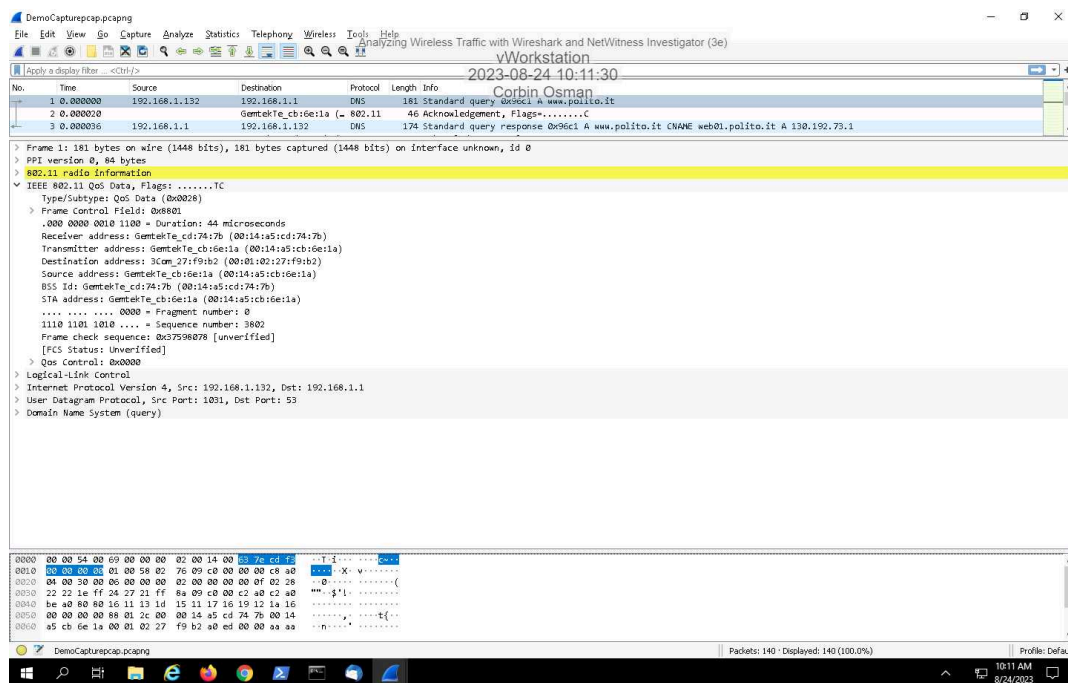
Progress:
80%

Report Generated: Thursday, August 24, 2023 at 1:52 PM

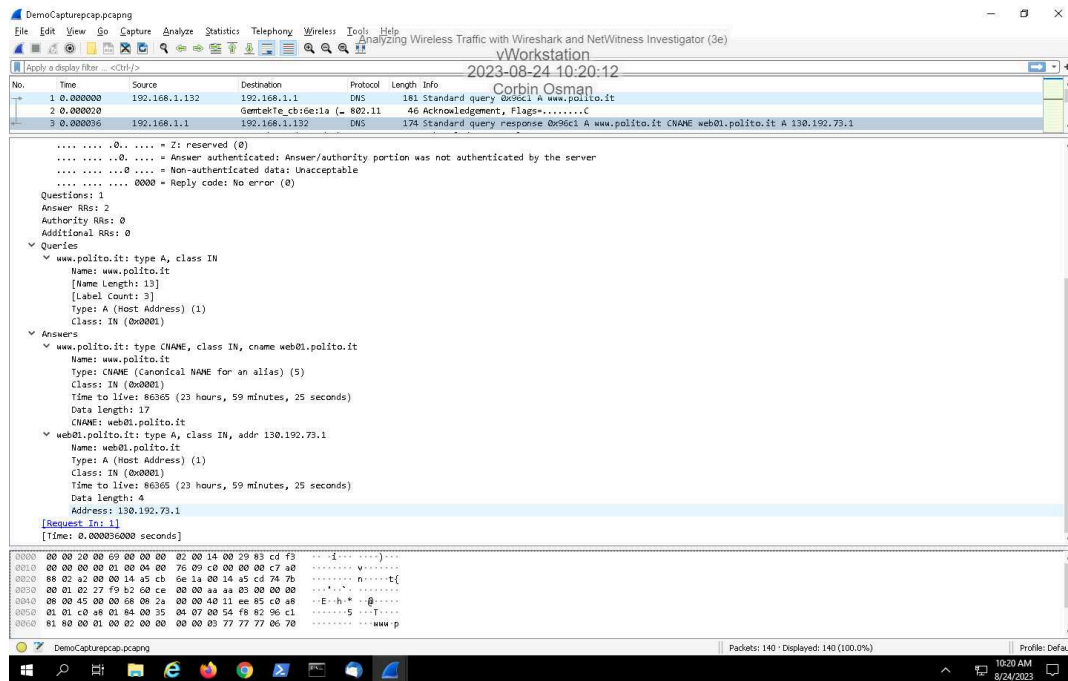
Section 1: Hands-On Demonstration

Part 1: Analyze Wireless Traffic with Wireshark

16. Make a screen capture showing the detail found in the IEEE 802.11 QoS Data fields.

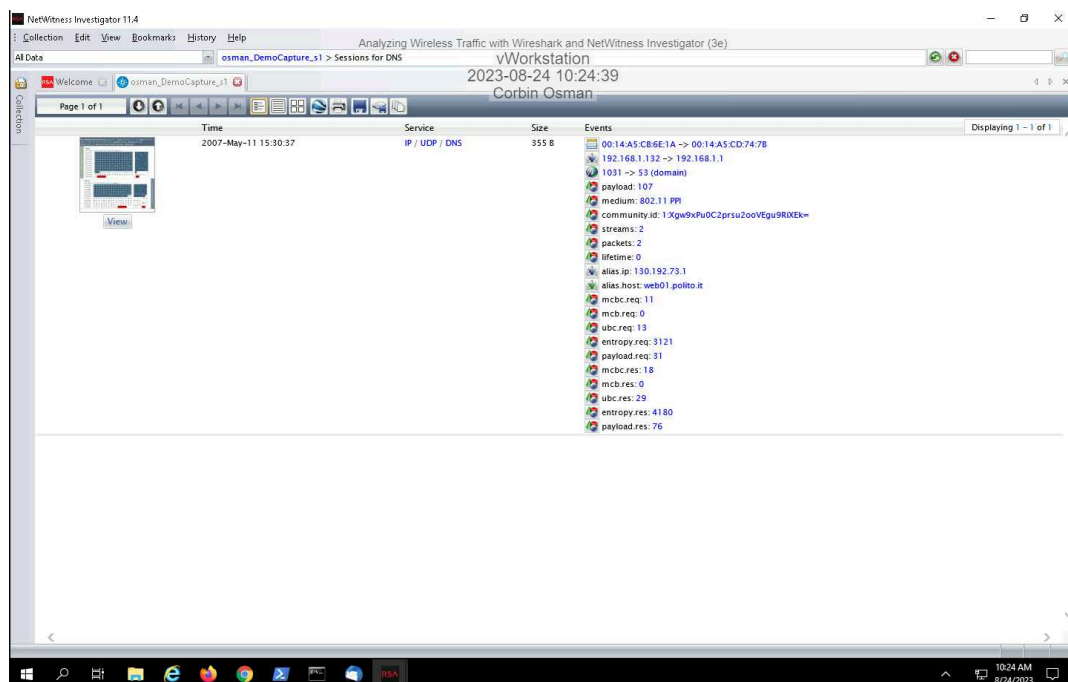


35. Make a screen capture showing the query name (www.polito.it), the source IP address, and the destination IP address.



Part 2: Analyze Wireless Traffic with NetWitness Investigator

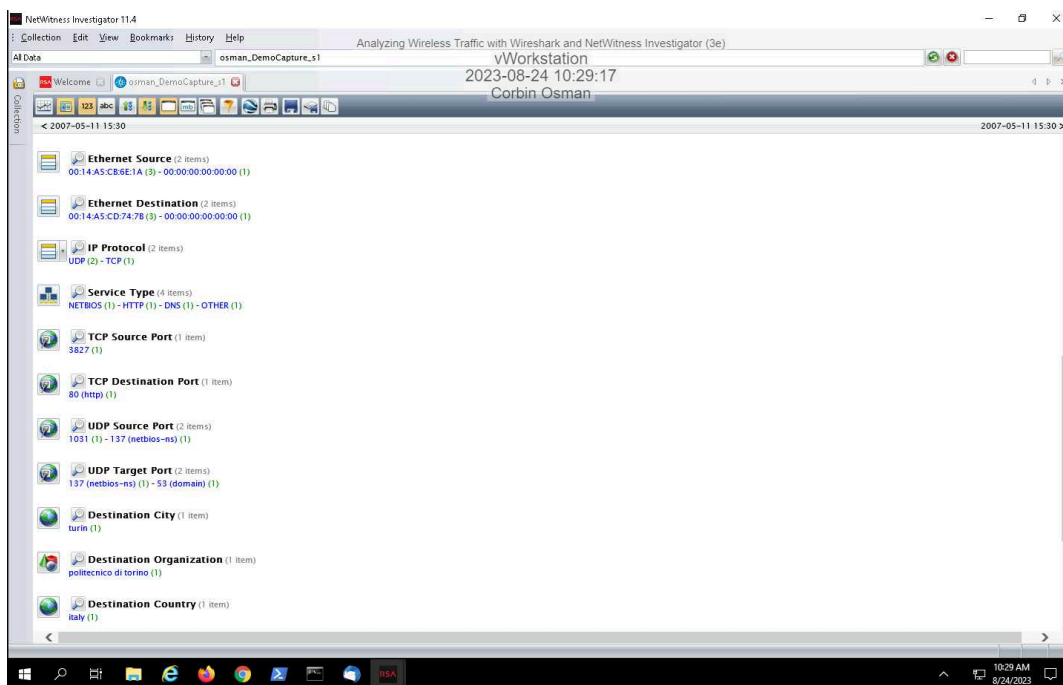
9. Make a screen capture of the DNS query showing the Hostname Alias, the Source IP Address, and the Destination IP Address fields.



10. **Compare** the information provided by NetWitness to the screen capture you made of the query name (www.polito.it), the source IP address, and the destination IP address in Wireshark.

The query name of www.polito.it remained the same, and as found in Wireshark, packet one uses the 192.168.1.132 as the source with 192.168.1.1 as the destination. Packet three in Wireshark is the inverse. In NetWitness we see the DNS packet with the alias host as web01.polito.it, and it had the same source and destination IPs as Packet one from Wireshark.

13. **Make a screen capture** showing the **Ethernet source and Ethernet destination addresses**.



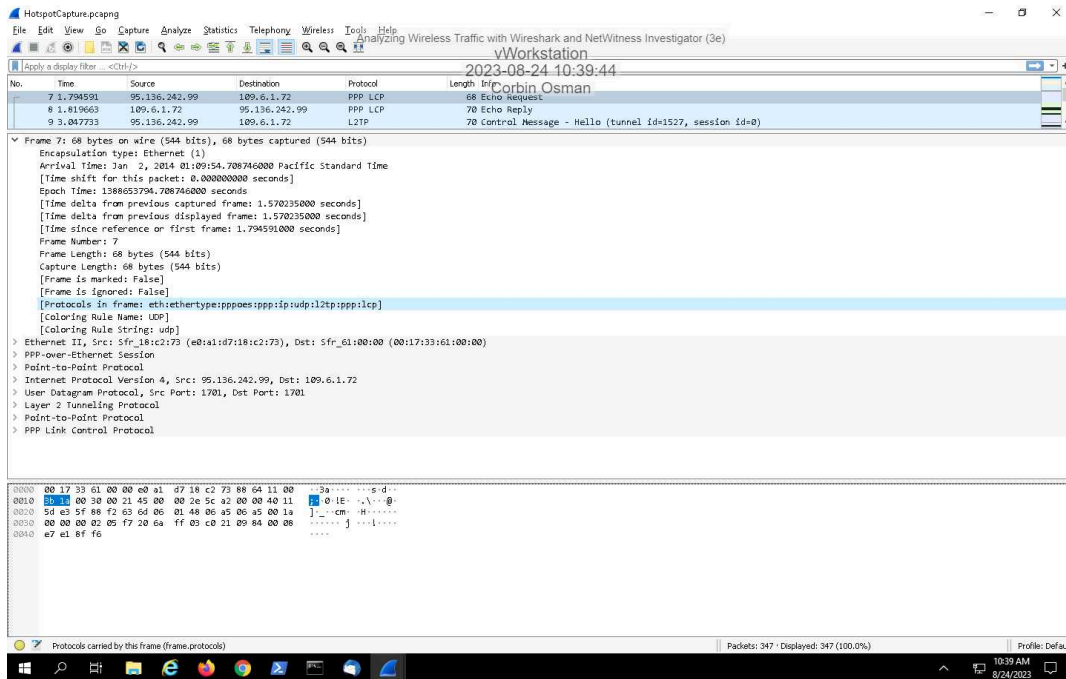
14. **Compare** the information provided by NetWitness to the screen capture you made of the detail found in the IEEE 802.11 QoS Data fields in Wireshark.

In Wireshark, the receiver address is the same as the ethernet destination address in NetWitness (00:14:A5:CD:74:7B), and the transmitter address is the same as the ethernet source address in NetWitness (00:14:A5:CB:6E:1A).

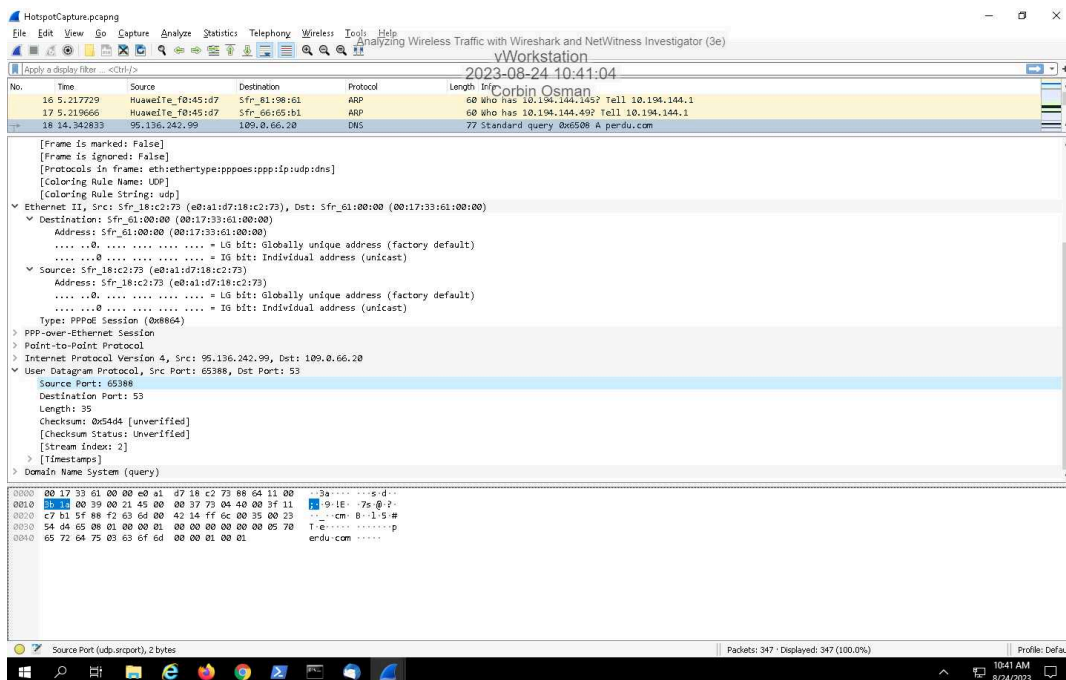
Section 2: Applied Learning

Part 1: Analyze Wireless Traffic with Wireshark

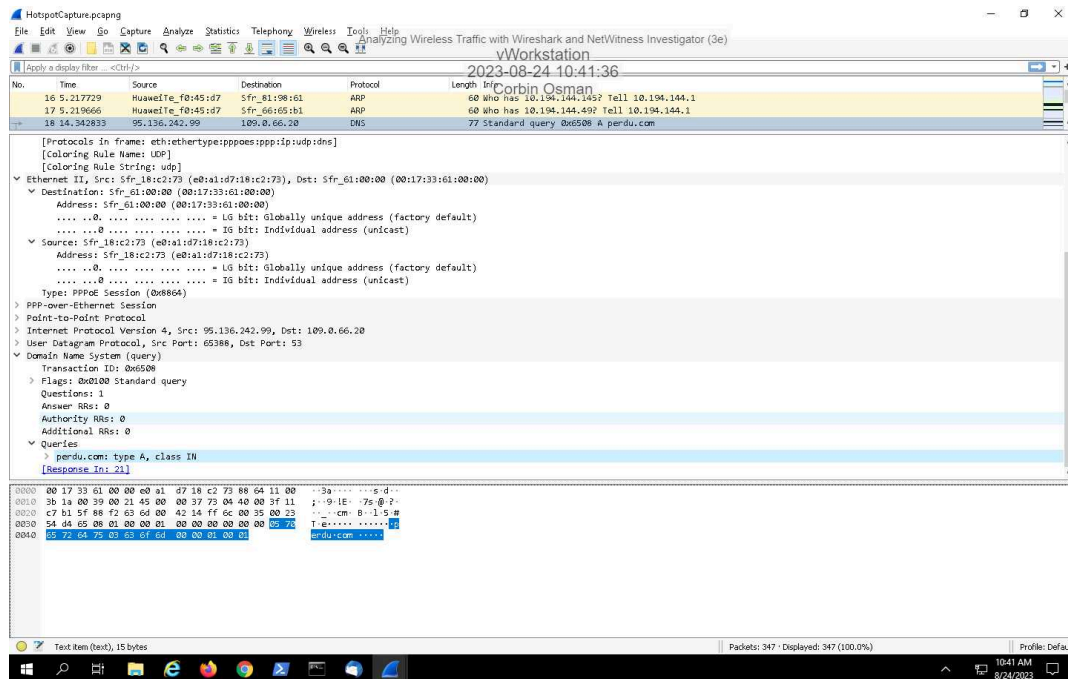
6. Make a screen capture showing all protocols used in Packet 7.



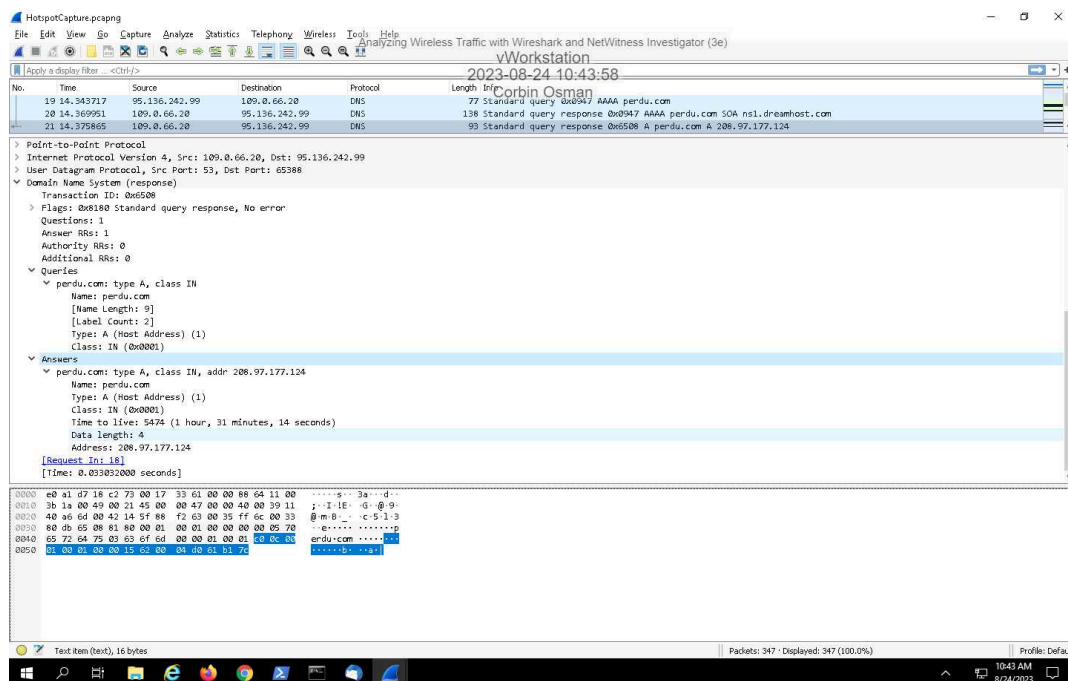
12. Make a screen capture showing the source port number used in Packet 18.



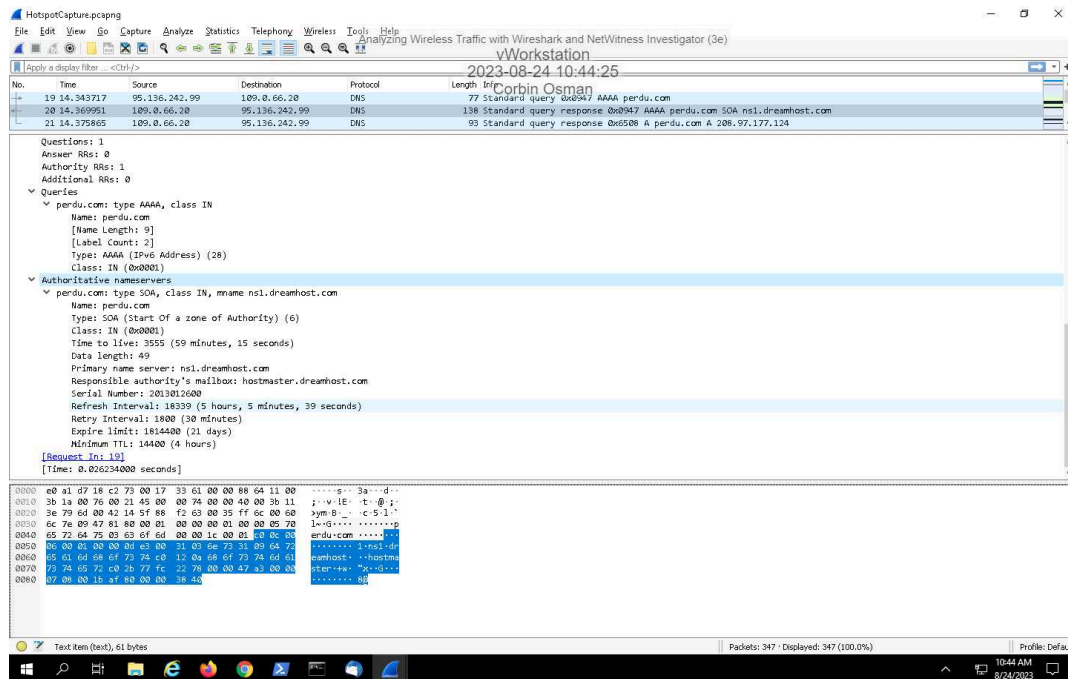
14. Make a screen capture showing the domain queried in Packet 18.



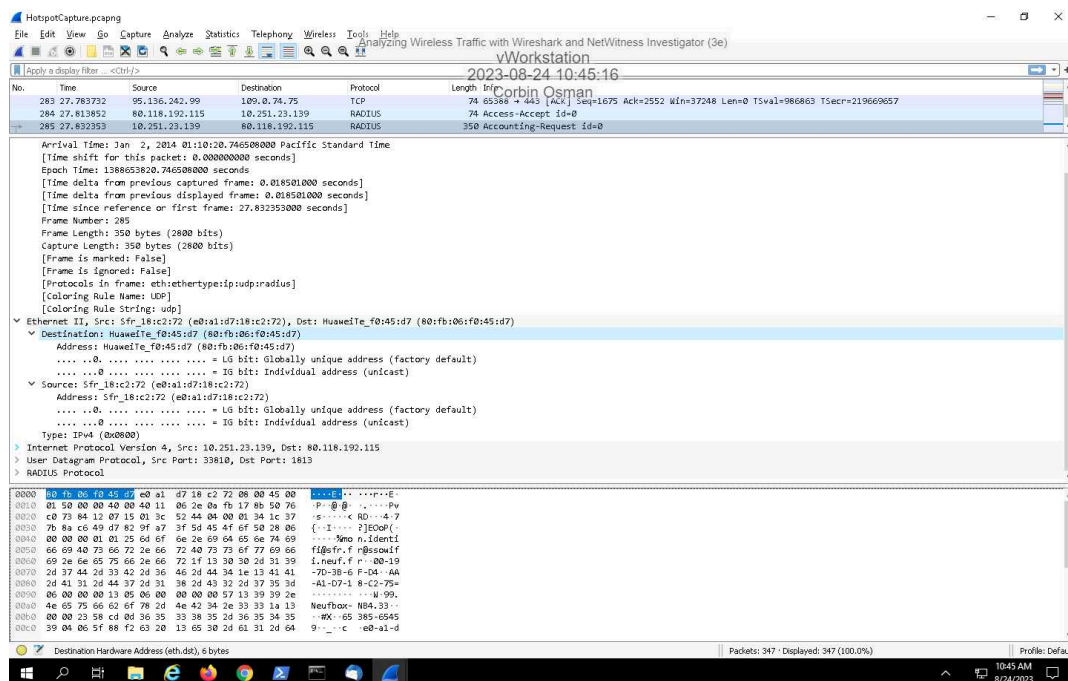
18. Make a screen capture showing the address details in the related packet.



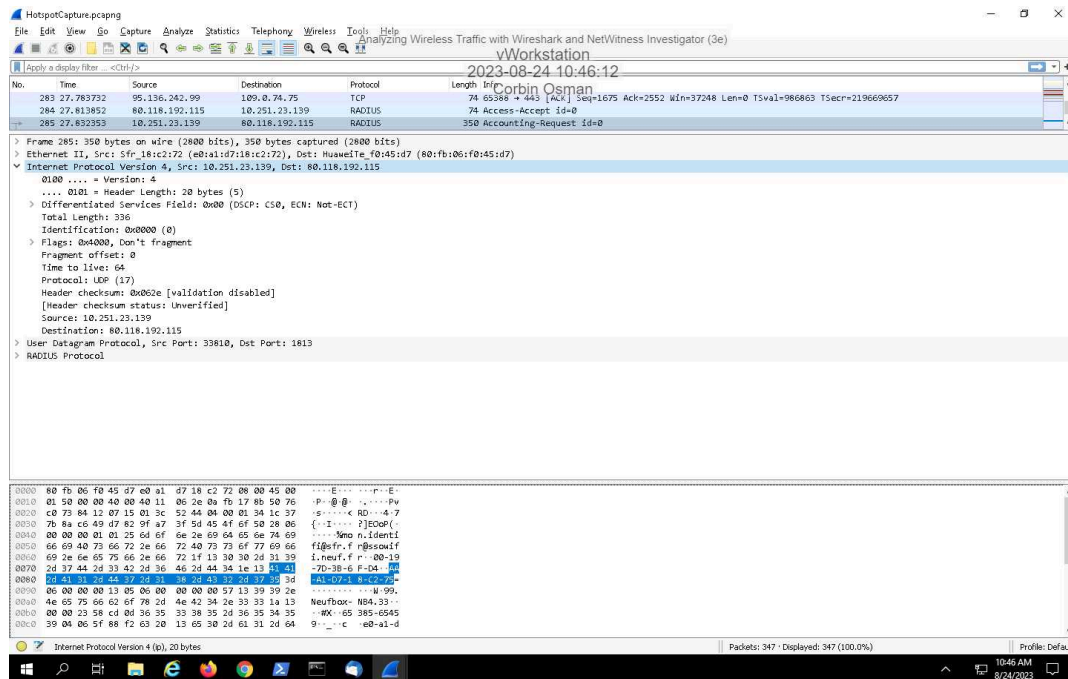
20. Make a screen capture showing the authoritative nameserver in Packet 20.



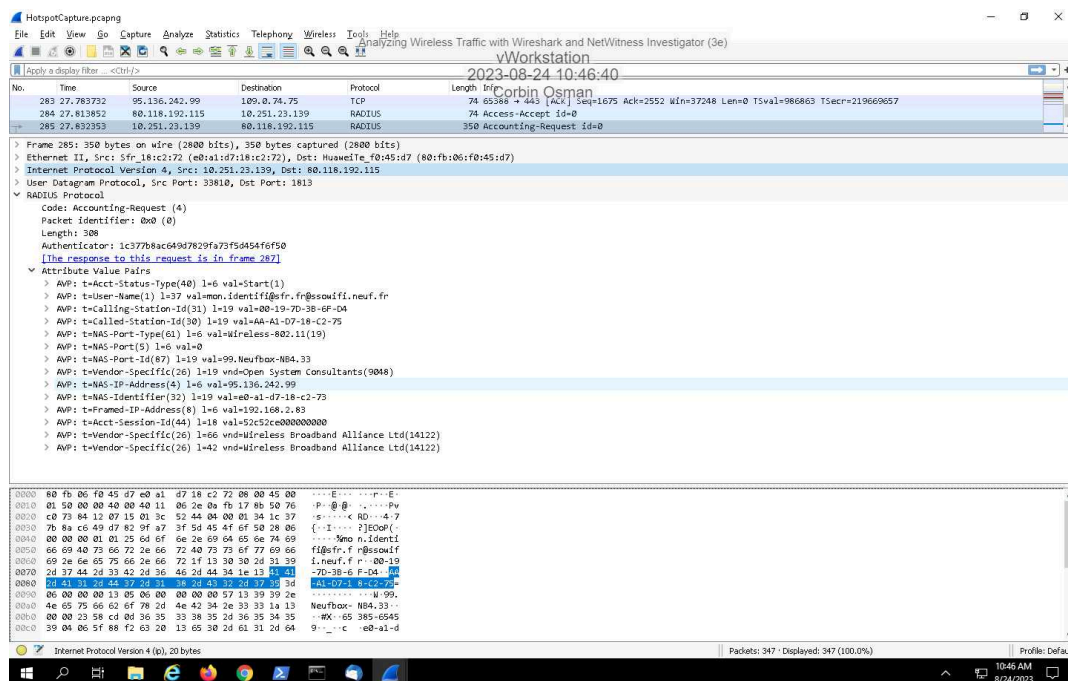
22. Make a screen capture showing the destination MAC address in Packet 285.



24. Make a screen capture showing the source port and destination port in Packet 285.



26. Make a screen capture showing the Attribute Value Pairs in Packet 285.

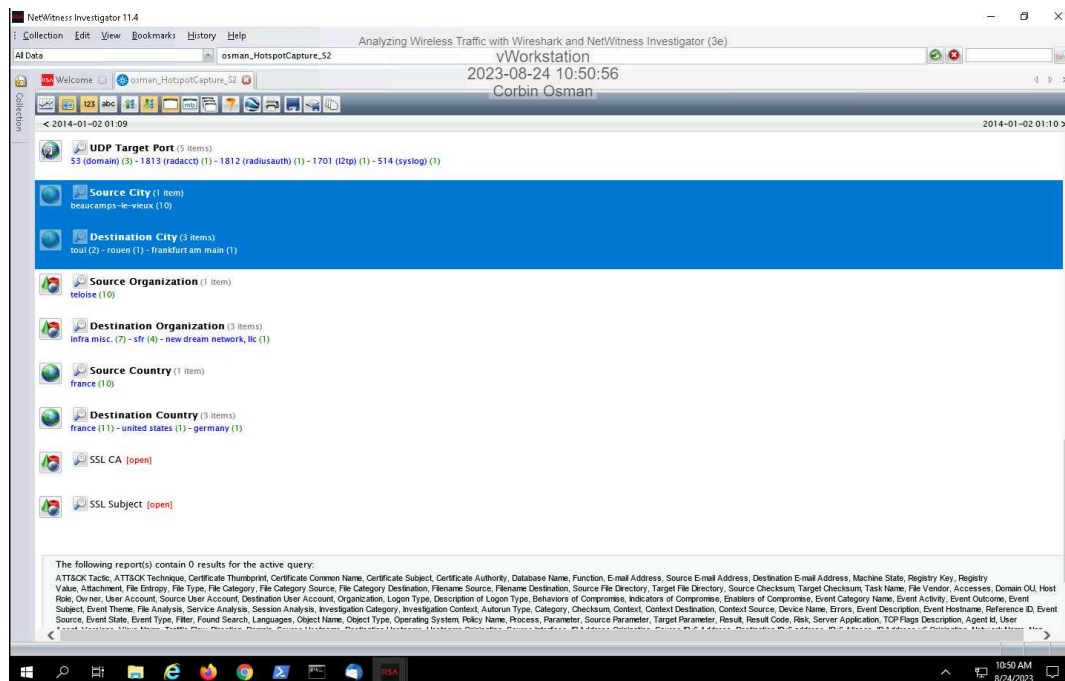


Part 2: Analyze Wireless Traffic with NetWitness Investigator

6. Make a screen capture showing the **Hostname Alias**, the **Source IP Address**, the **Destination IP Address**, and **source city** fields of the perdu.com DNS session.



9. Make a screen capture showing the **source and destination cities**.



Section 3: Challenge and Analysis

Part 1: Research Network Forensics Tools

Provide a **brief summary** of three other solutions. Be sure to include the product name, key features, cost (or if it is freely available), and any other relevant details that would make it a popular choice among network forensics investigators.

Incomplete

Part 2: Investigate Suspicious Web Traffic

Using Wireshark and NetWitness, **identify** the IP address that was resolved for the www.perdu.com website, as well as the destination port number.

Incomplete

Using Wireshark and NetWitness, **identify** the actual geographic location of the web server that hosts perdu.com.

Incomplete

Part 3: Create a Visual Presentation of Your Findings

Make a screen capture showing the **geographic location of the IP address associated with perdu.com in Google Earth.**

Incomplete