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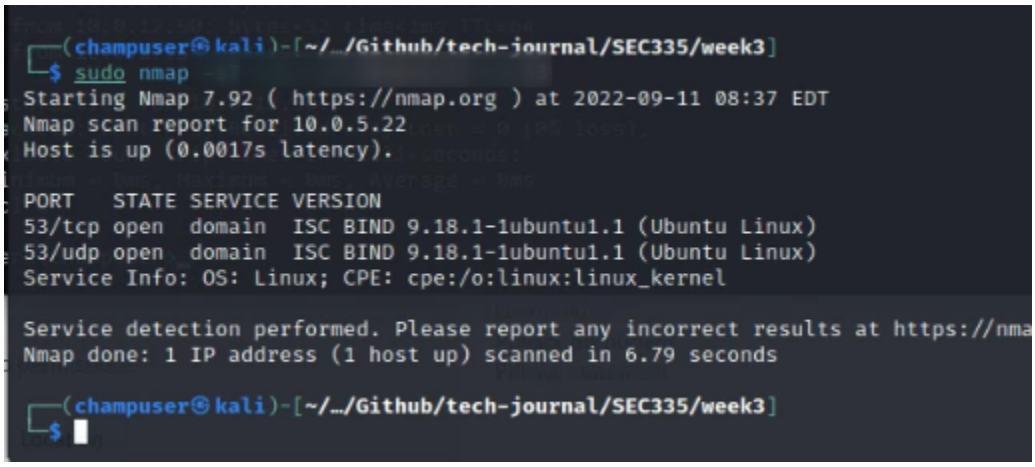
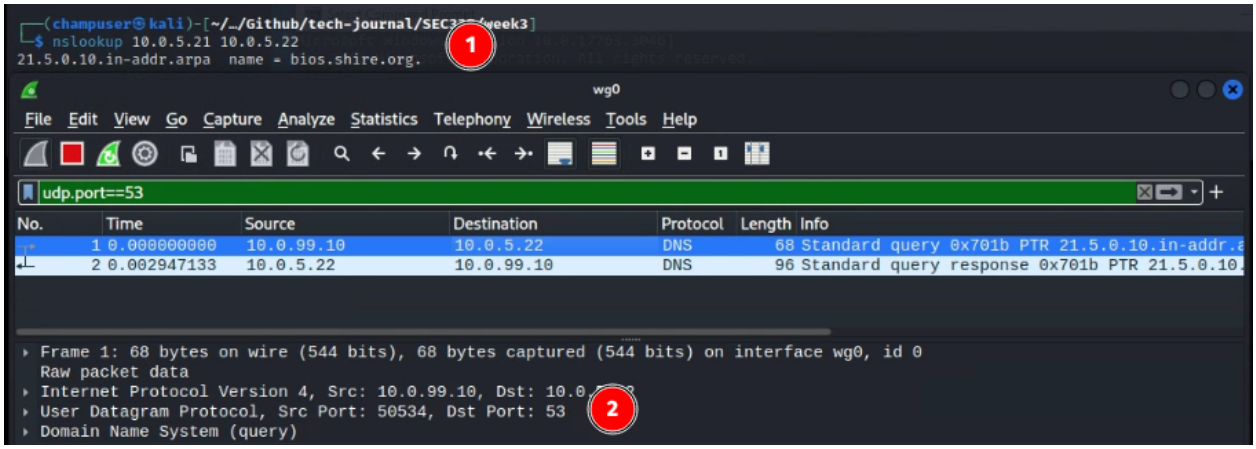
Assignment 3.2 - DNS Uses both UDP and TCP

Figure out how to run nmap against 10.0.5.22 in such a way that both tcp/53 and udp/53 are checked. Provide a screenshot of your command and output similar to the screenshot below.



Using Wireshark, create a capture filter for port 53 in interface wg0 (remember this is not a display filter)

`Deliverable 1.  Run nslookup against 10.0.5.21 using the dns server 10.0.5.22.  Provide a screenshot showing the traffic similar to the one below that shows your nslookup command and an indication the protocol is UDP.`



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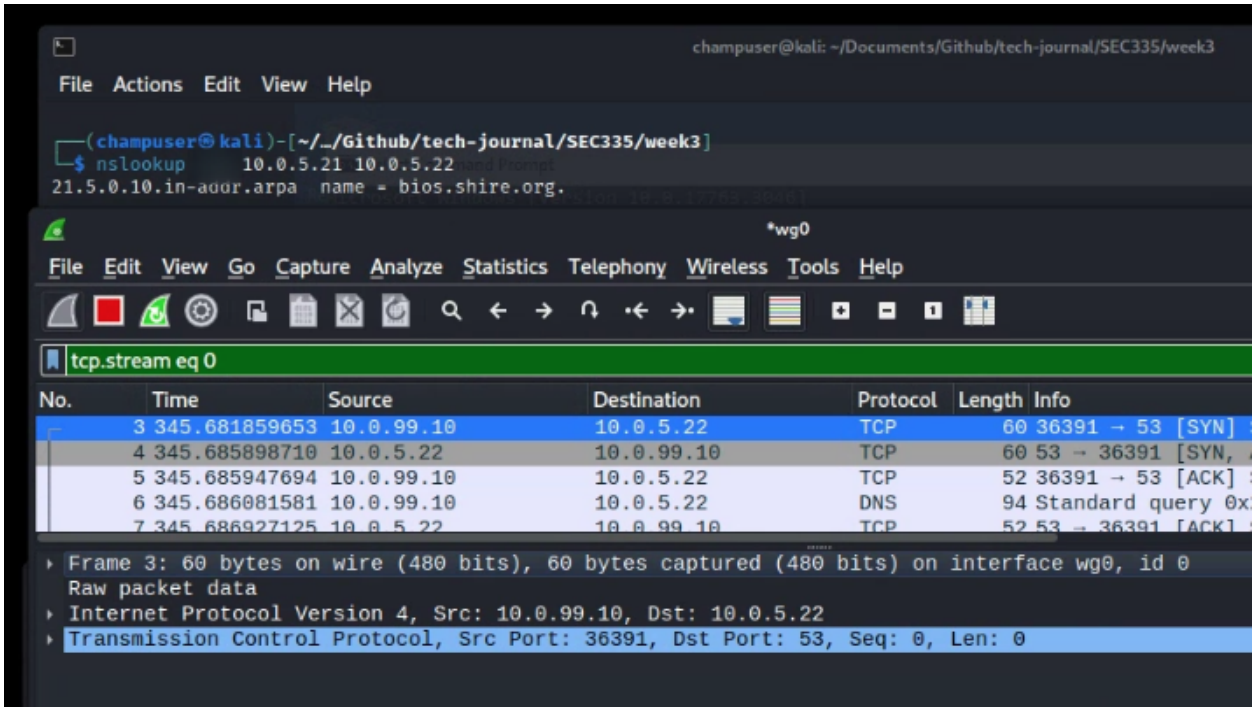
Deliverable 2. Figure out how to coax nslookup to use tcp and repeat the lookup, continuing to capture packets to tcp/udp 53. Provide a screenshot similar to the one below that shows the modified nslookup command and the new packets. The illustration is also a reminder of why UDP is so efficient.



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Deliverable 3. Change your capture so that you are monitoring eth0 using the same port 53 capture filter. Repeat the zone transfer from zonetransfer.me from Activity 3.1. Provide a screenshot showing the tcp stream of this transfer. (Yes, zone transfers use TCP)