CYB 310 5-1 Lab Worksheet

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CYB 310-13007
5-1 Lab Worksheet
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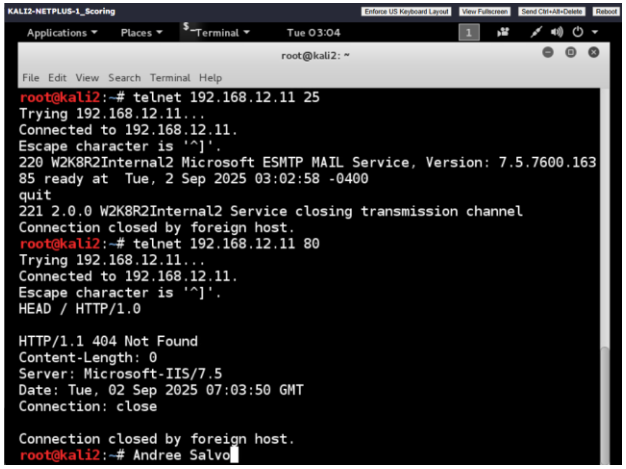
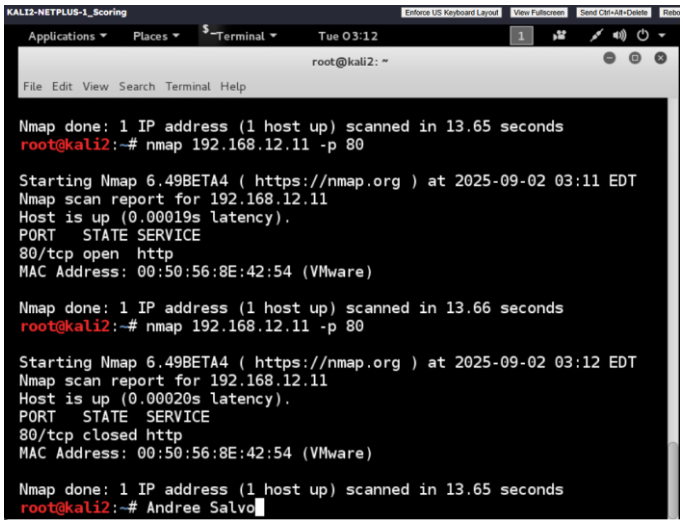
Lab: Closing Ports and Unnecessary Services	
Prompt	**Response**
In the lab section, "Connecting to the Open Ports and Services Using Telnet and FTP," **Step 13,** complete the steps, type your name after the command prompt, and take a screenshot of the output.	

Lab: Closing Ports and Unnecessary Services	
Prompt	**Response**
In the lab section, "Closing Unnecessary Ports and Services," **Step 26,** type your name after the command prompt and take a screenshot of the output of the scan of port 80 (www) on the Windows machine after closing HTTP services.	
Closing unwanted ports and communication mediums is essential to network hardening. Why is this essential and how does it help with network defense?	When it comes to closing unused ports and communication paths, it helps reduce the attack surface, making it much harder for a threat actor to exploit a vulnerability or even infiltrate the network.
Using an adversarial mindset, how can you test to make sure only needed ports are open? What tools would you use?	When I'm using an adversarial mindset, the first thing I would do is to test any open ports by scanning the network with tools like Nmap or Wireshark to confirm that only necessary ports are accessible.