# Network Capture, Analysis, and Scanning

Total: 100 points

Complete the given immersive labs and submit a lab writeup explaining the solution to each lab task and what you learned at a high-level about network traffic capture, analysis, and scanning. Partial credits will be given in case you are not able to complete the lab but you explain the approach you took to solve the lab. You need to submit in a single PDF a detailed report with screenshots for each task.

After you complete the lab, a congratulations page appears with your name written on it. Attach this page for each lab.

A screenshot of a computer

Description automatically generated

Things to Submit for each lab:

1. Screenshot of the completed lab.
2. Explanation of the solution for each question (if relevant) with screenshots.

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| TASK | POINTS | Total |
| [Intro to Wireshark](https://immersivelabs.online/labs/wireshark-intro/) | Question 1 - 3 points  Question 2 - 3 points  Question 3 - 3 points  Question 4 - 3 points  Question 5 - 3 points | 15 |
| [Packet Capture Basics](https://immersivelabs.online/labs/packet-capture-basics/) | Question 1 - 2 points  Question 2 - 2 points  Question 3 - 2 points  Question 4 - 2 points  Question 5 - 2 points  Question 6 - 2 points  Question 7 - 2 points | 14 |
| [Tcpdump](https://immersivelabs.online/labs/tcpdump-episode-1/) | Question 1 - 4 points  Question 2 - 4 points  Question 3 - 4 points  Question 4 - 4 points  Question 5 - 4 points | 20 |
| [Wireshark Display Filters: Filters In Depth](https://immersivelabs.online/v2/labs/wireshark-filters-in-depth/category/incident-response/series/packet-analysis-tools) | Question 1 - 3 points  Question 2 - 3 points  Question 3 - 3 points  Question 4 - 3 points  Question 5 - 3 points | 15 |
| [BPF Syntax](https://immersivelabs.online/v2/labs/bpf-syntax-an-introduction/) | Question 1 - 2 points  Question 2 - 3 points  Question 3 - 3 points  Question 4 - 4 points  Question 5 - 4 points | 16 |
| Writeup (100-150 words) | 20 | 20 |
| Total | 100 | 100 |

# Note: Just providing answers with explanations will not receive credit. You’ll have to submit a write-up explaining what you learned at a high-level about network traffic capture, and analysis.