

**To do:** Receive a grade

**Submissions opened:** Thursday, 30 January 2025, 12:05 AM

**Submissions close:** Wednesday, 5 February 2025, 11:55 PM

**Assessments open:** Thursday, 6 February 2025, 12:05 AM

**Assessments close:** Wednesday, 12 February 2025, 11:55 PM

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## Submission phase

Setup phase	Submission phase	Assessment phase	Grading evaluation phase	Closed
	<b>Current phase</b> ● <a href="#">Submit your work</a> Open for submissions from Thursday, 30 January 2025, 12:05 AM (5 days ago) Submissions deadline: Wednesday, 5 February 2025, 11:55 PM (tomorrow)	Open for assessment from Thursday, 6 February 2025, 12:05 AM (2 days left) Assessment deadline: Wednesday, 12 February 2025, 11:55 PM (9 days left)		

### Instructions for submission ▾

You have just been recruited as an associate network engineer by AXY Systems Inc., and you were assigned to a senior engineer who will supervise and mentor you. Your supervisor has issued you a brand new laptop (consider this as a PC if you are using a PC) and has instructed that you need to set up the laptop, install the Wireshark network analyzer tool on it, and familiarize yourself with the tool.

#### Install and explore Wireshark:

Use the [Wireshark User's Guide](#):

- - Determine your system type (hardware specifications, OS, etc). Refer [1.2 of the user guide](#).
  - Download and install the appropriate version of Wireshark. Refer [2.3; 2.5; and 2.6 of the user guide](#).
  - Launch Wireshark.
  - Explore the Wireshark environment. Refer to [What is Wireshark?](#)

For this assignment, once you have succeeded in installing and familiarizing yourself with the Wireshark environment, complete the following tasks:

- i. Close all open web browsers.
- ii. Relaunch Wireshark (Take a screenshot).
- iii. Once the Wireshark is open and running, it will display all network interfaces on your computer. Choose the appropriate interface (WiFi for the wireless interface and Local LAN for the wired interface). Please pay close attention to the interface and choose only the interface with network activity (indicated by the graph lines in front of the interface).
- iv. Double-click on the chosen network interface (card). Network capture begins automatically. Notice that there is no activity recorded/displayed by Wireshark.

- v. Open a new web browser and browse the [UoPeople student portal](#).
- vi. Login with your username and password.
- vii. Open the Course forum and the Announcement forum from the UoPeople student portal.
- viii. Go back to Wireshark and you will see too much information being displayed. This information shows the activities that have been carried out on your network. This information could be overwhelming at first, but not to worry, we shall begin analyzing them in the next unit (Take a screenshot of the information).
- ix. After about 30 seconds, go to the menu bar and click on capture, then navigate to the stop option and click on it. This ends the capture process.
- x. Go to the menu bar and click on File. Then navigate to the save option and click on it. Save it with a name of your choice.
- xi. You have successfully generated and stored your first Wireshark capture. Congratulations!
- xii. Now go to the menu bar and click on the File menu. Navigate to open, and locate the file you just saved. Once located, double-click on it. This will display the file in Wireshark.

*Submit the screenshots in a single MS Word or PDF. Upload the capture file from step x.*

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Submit a paper that is at least 3 pages in length exclusive of the reference page, double-spaced using 12-point Times New Roman font. The paper must cite a minimum of two sources in APA format and be well-written. Check all content for grammar and spelling, and be sure that you have properly cited all resources (in APA format) used. Refer to the [UoPeople APA Tutorials in the LRC](#) for help with APA citations.

You will be assessed on:

- ◦ Your screenshots for steps ii, viii, and ix.
- ◦ Your submission of the capture file from step x.

#### Reference

- Sharpe. R, Warnicke. E, Lamping. U. (n.d.). *Wireshark User's Guide*. Wireshark.  
[https://www.wireshark.org/docs/wsug\\_html\\_chunked/index.html](https://www.wireshark.org/docs/wsug_html_chunked/index.html)

#### Your submission ▾

You have not submitted your work yet