

Computer Networking

GNS3 and OpenVPN Installation



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Class
2I

Department
Information Technology

Study Program
D4 Informatics Engineering

1 Preparation

1. Take notes of the server config, we'll used it later on the tutorial. Open the link to the google drive.

Praktikum Jaringan Komputer : Diploma IV Teknik Informatika Internasional

Dashboard / Courses / Praktikum Jaringan Komputer : Diploma IV Teknik Informatika Internasional-20232-1 / Pertemuan ke 1 / Link for Software

Link for Software

Use Server IP : 192.168.60.43
Port : 3080
Username : gns3
Password : gns3

Click <http://bit.ly/labsetup2menjar2020> link to open resource.

◀ GNS3 Installation Guide Jump to... ▶ Jobsheet1 ►

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Data retention summary
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2. Download the whole google drive folder for the GNS3 and OpenVPN installation setup and OpenVPN profile.

Drive

Search in Drive

Shared with me > Menjarkom 2020

Folders

GNS3 2.2.17 OpenVPN Connect OpenVPN Profile

Who has access

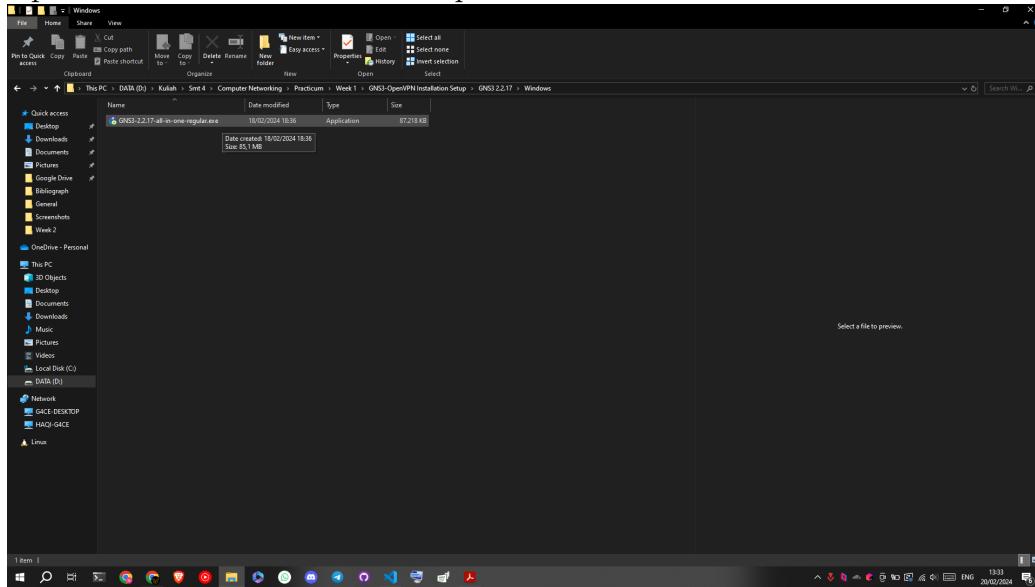
Folder details

Type: Google Drive Folder
Owner: Syaef Noor Arief
Modified: Mar 8, 2021 by Syaef Noor Arief
Opened: Feb 10, 2024 by me
Created: Mar 8, 2021
Download permissions: Viewers can download
Description: No description
Read-only

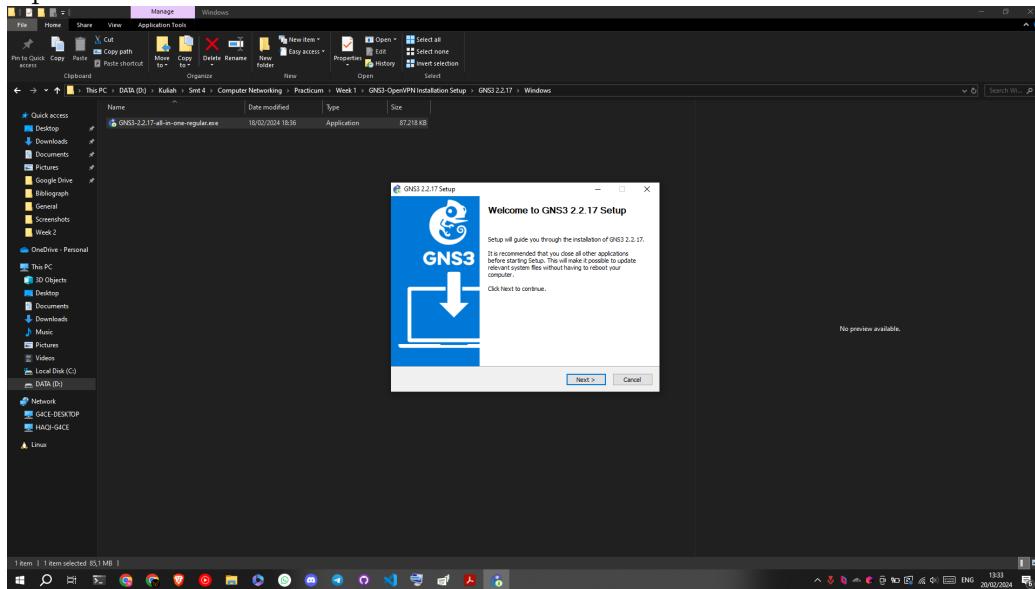
Get Drive for desktop Download

2 GNS3 Installation

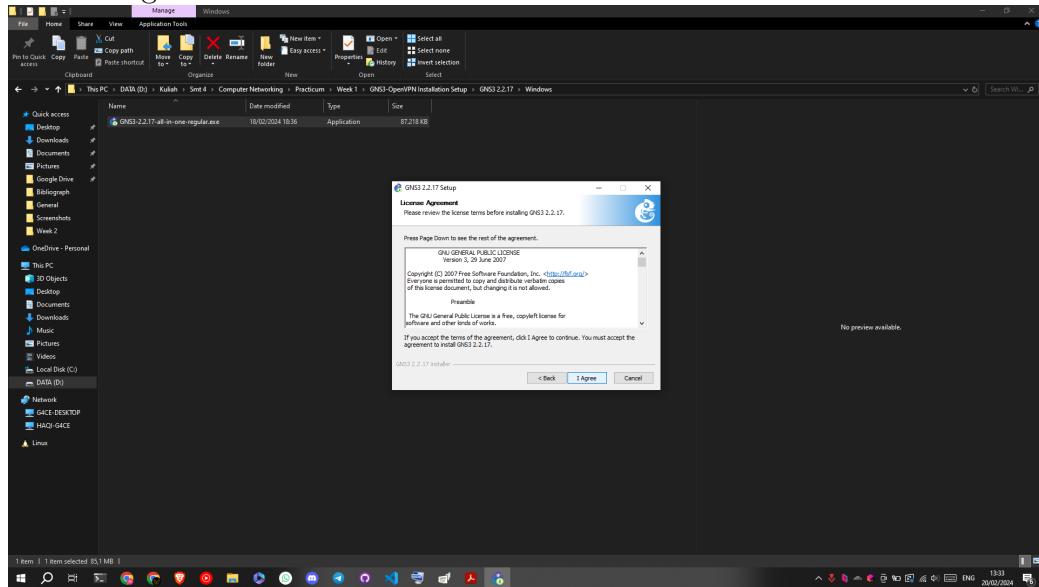
1. Open the GNS3 installation setup folder to the GNS3 installer.



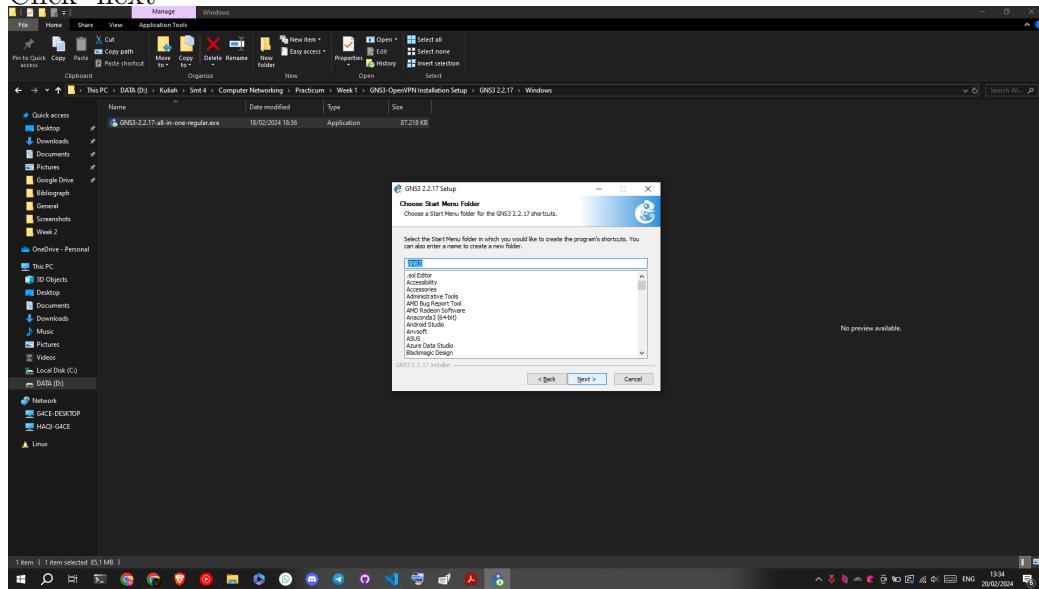
2. Open the GNS3 installer and click 'next'



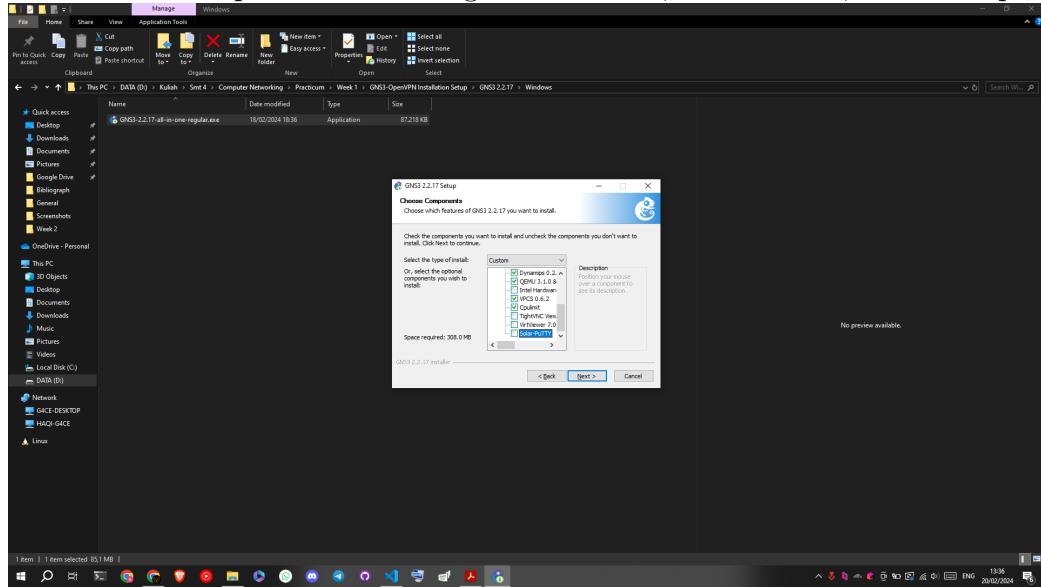
3. Click 'I Agree'



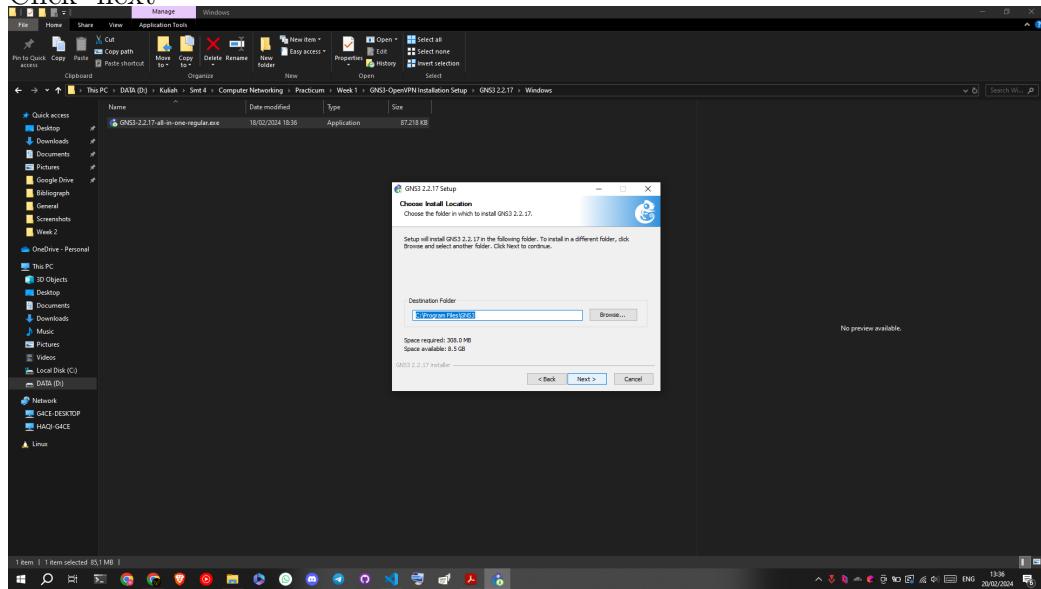
4. Click 'next'



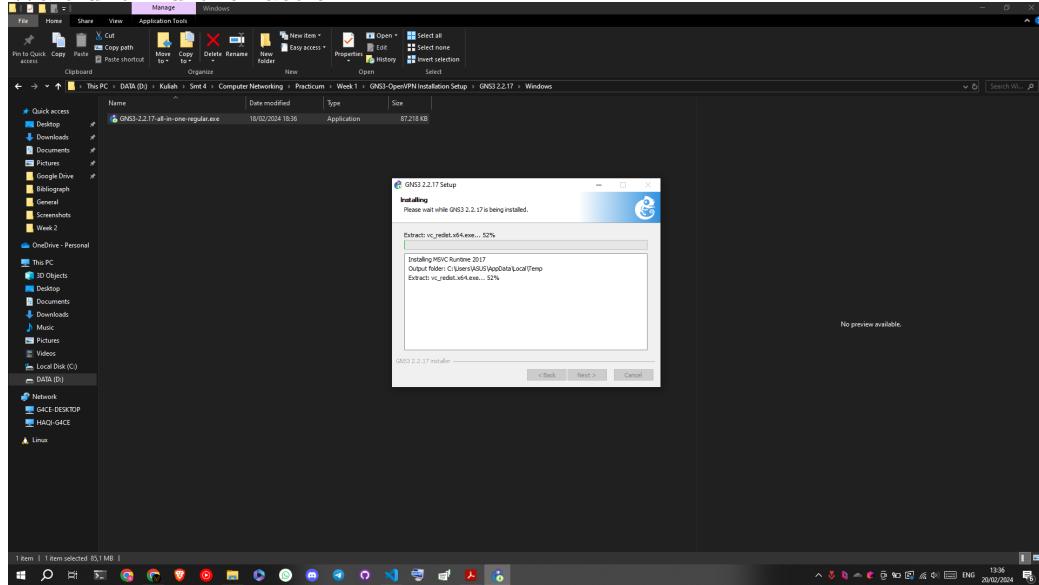
5. Select the desktop and uncheck 'tight-vnc server', 'virt-viewer', and 'solar putty'



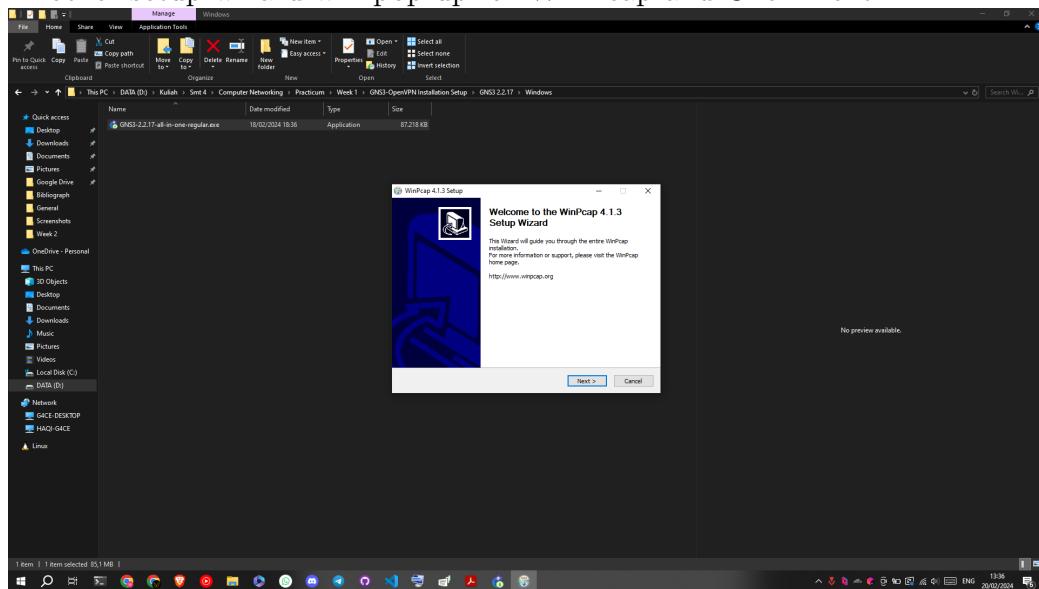
6. Click 'next'



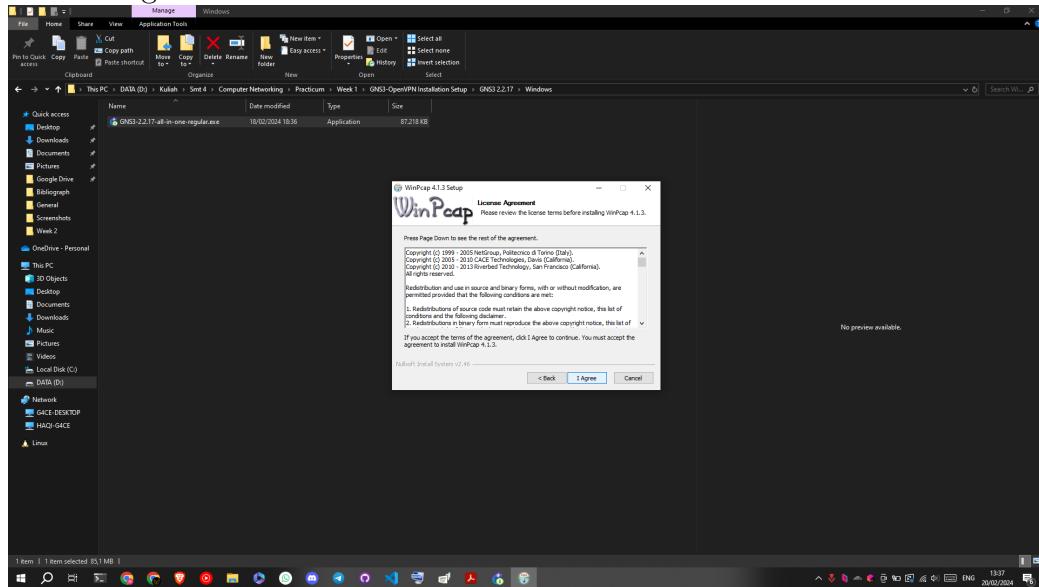
7. Wait until further action



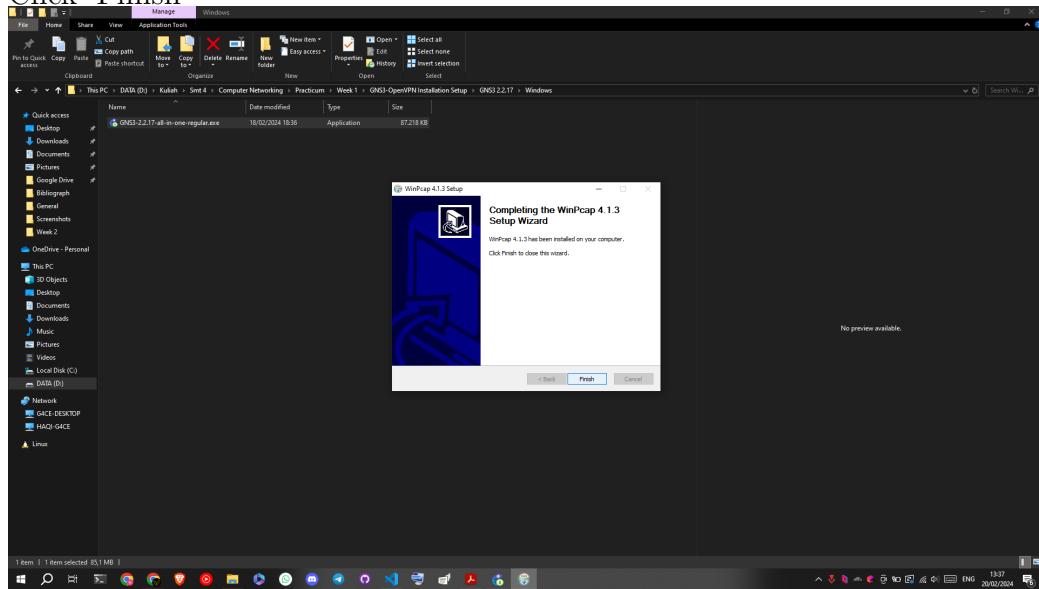
8. Another setup wizard will pop up for WinPcap and Click 'next'



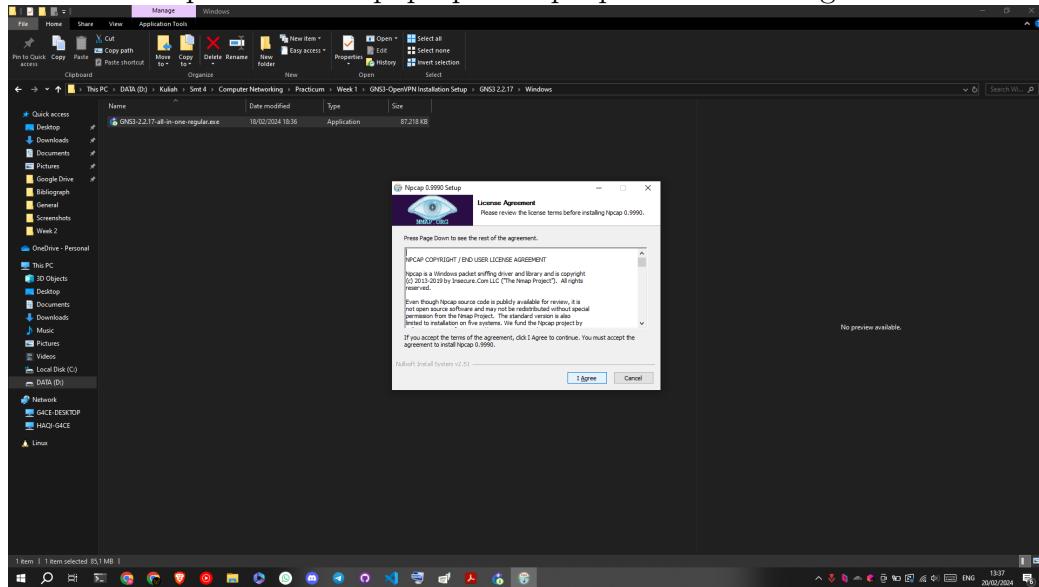
9. Click 'I Agree'



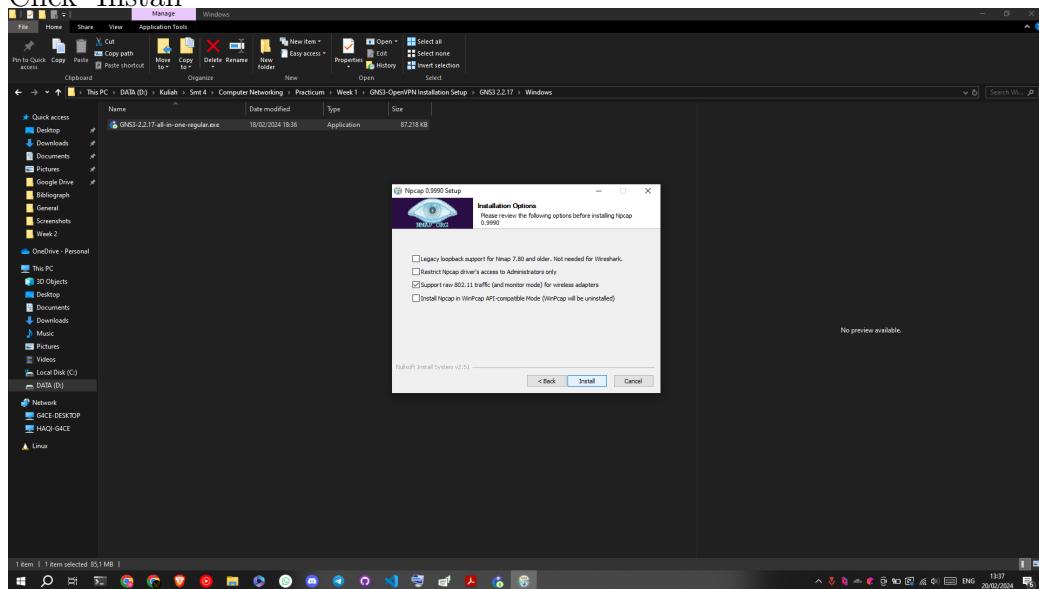
10. Click 'Finish'



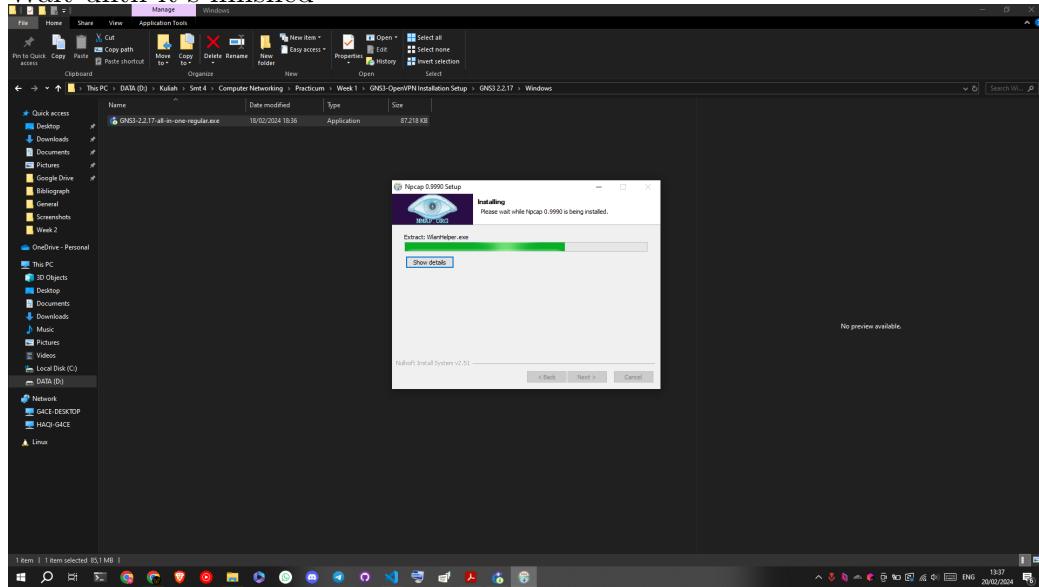
11. Another setup wizard will pop up for Npcap and Click 'I Agree'



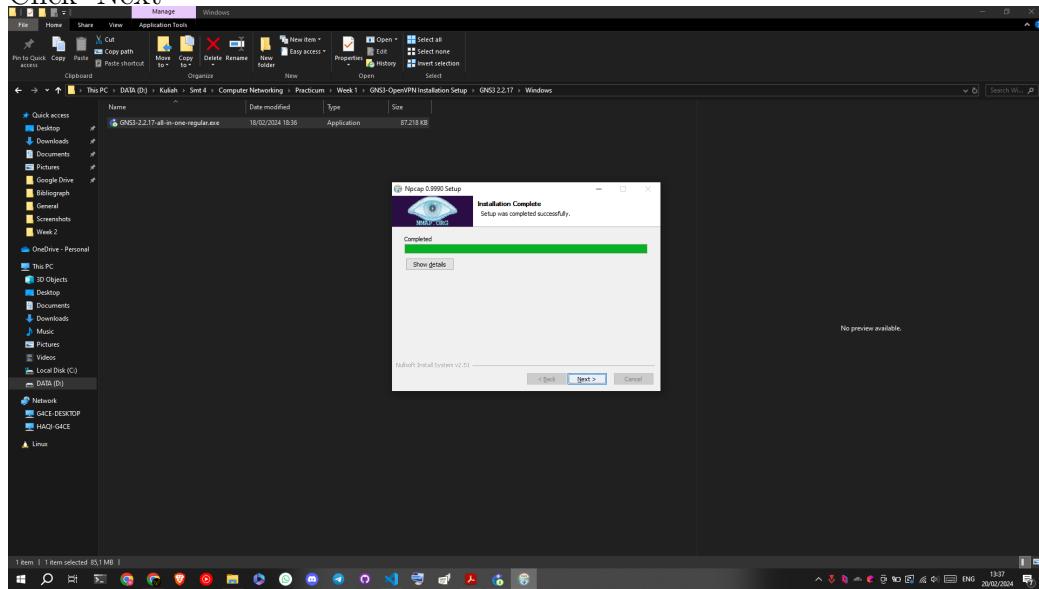
12. Click 'Install'



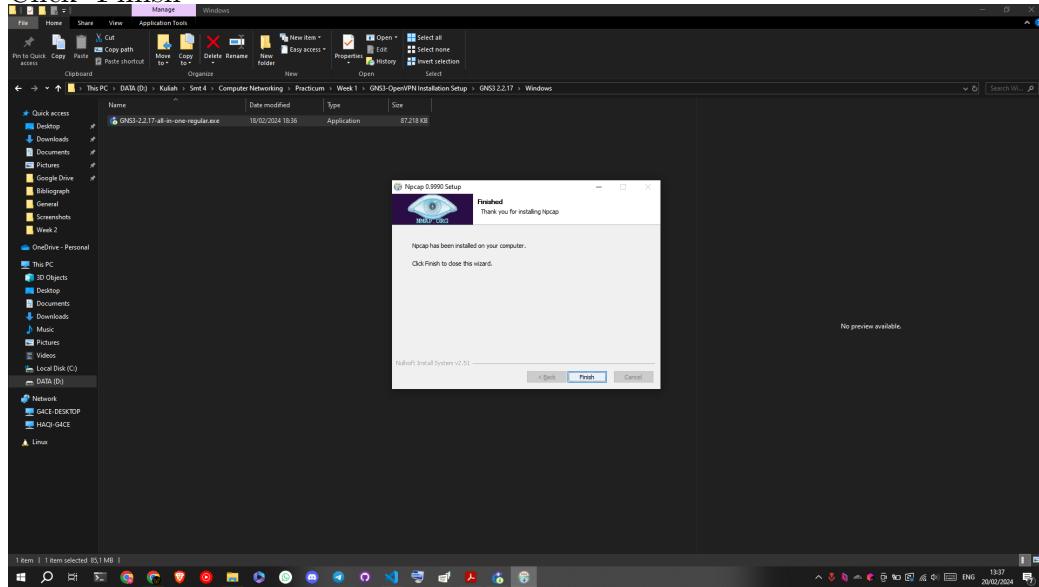
13. Wait until it's finished



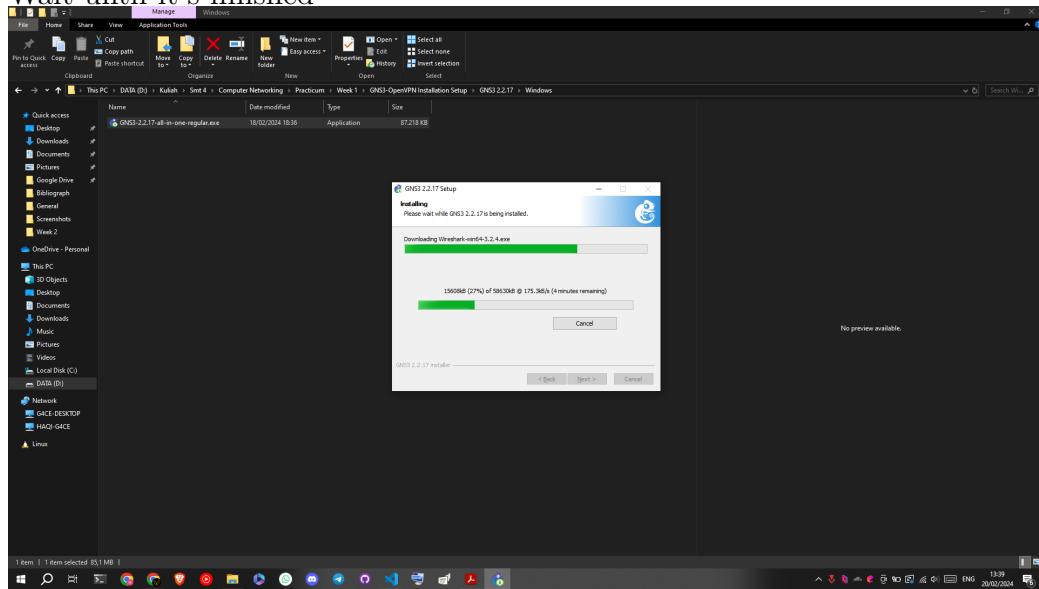
14. Click 'Next'



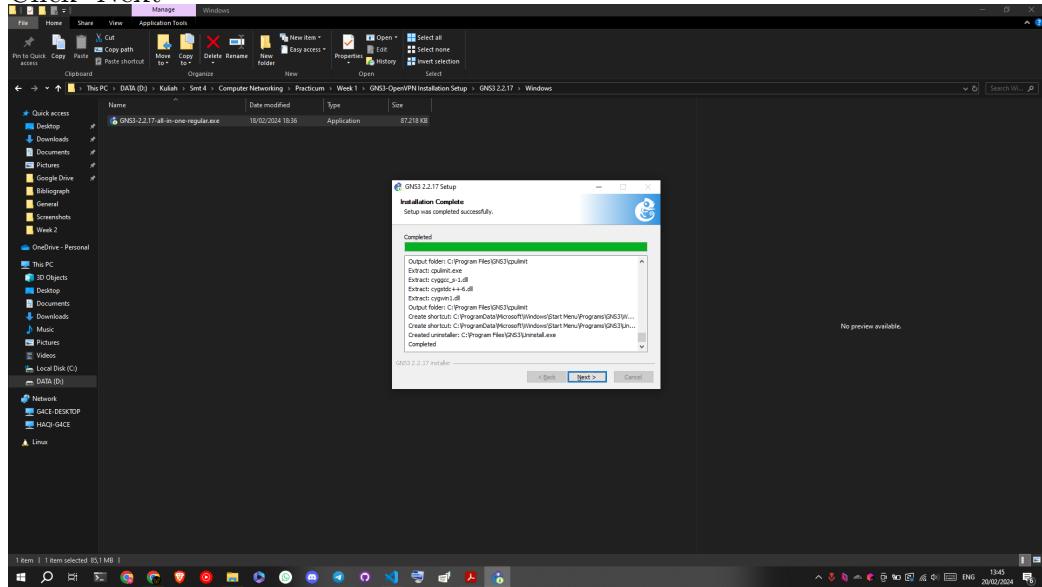
15. Click 'Finish'



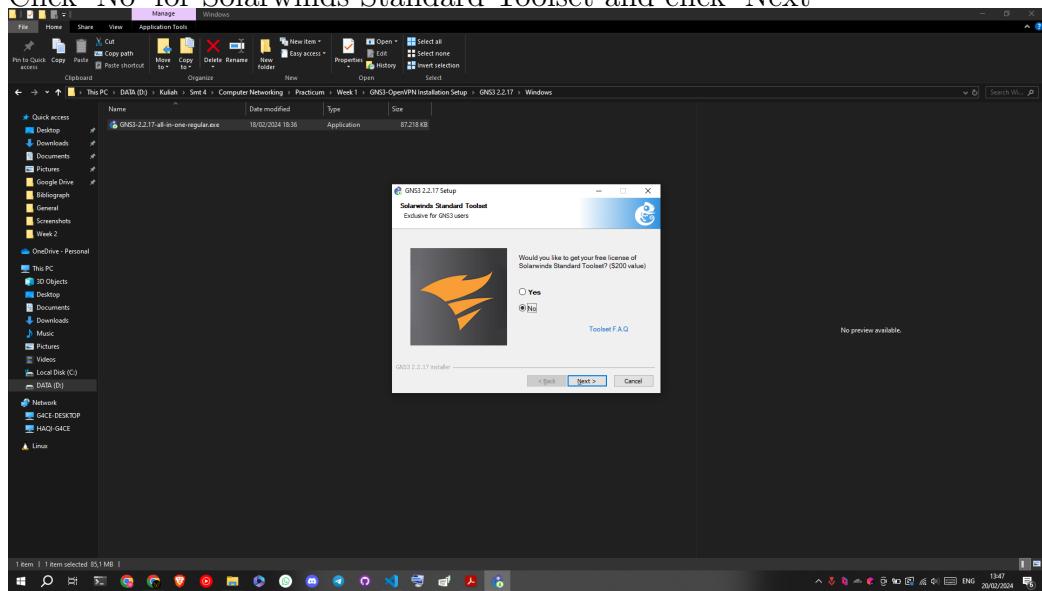
16. Wait until it's finished



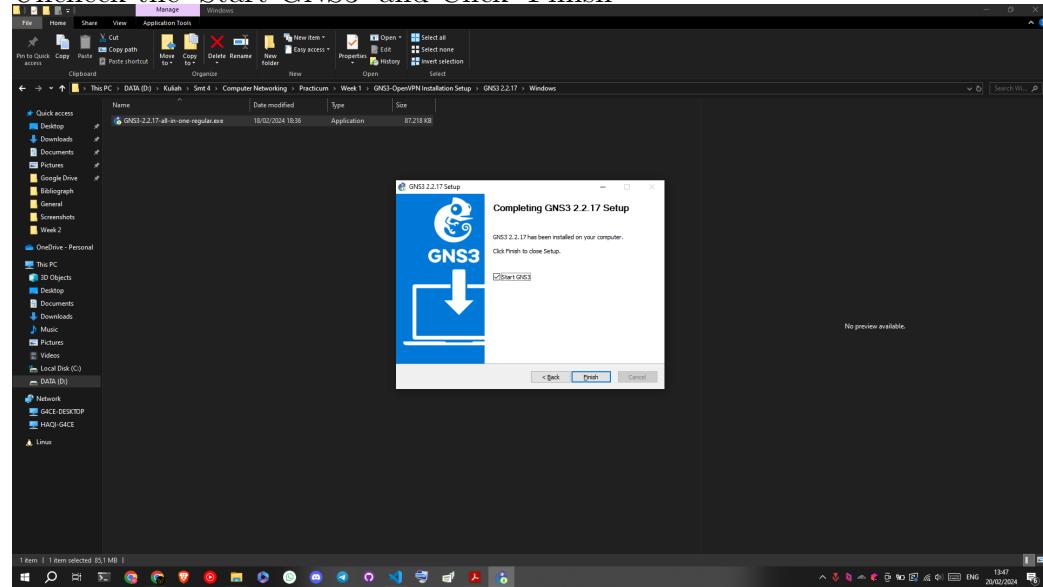
17. Click 'Next'



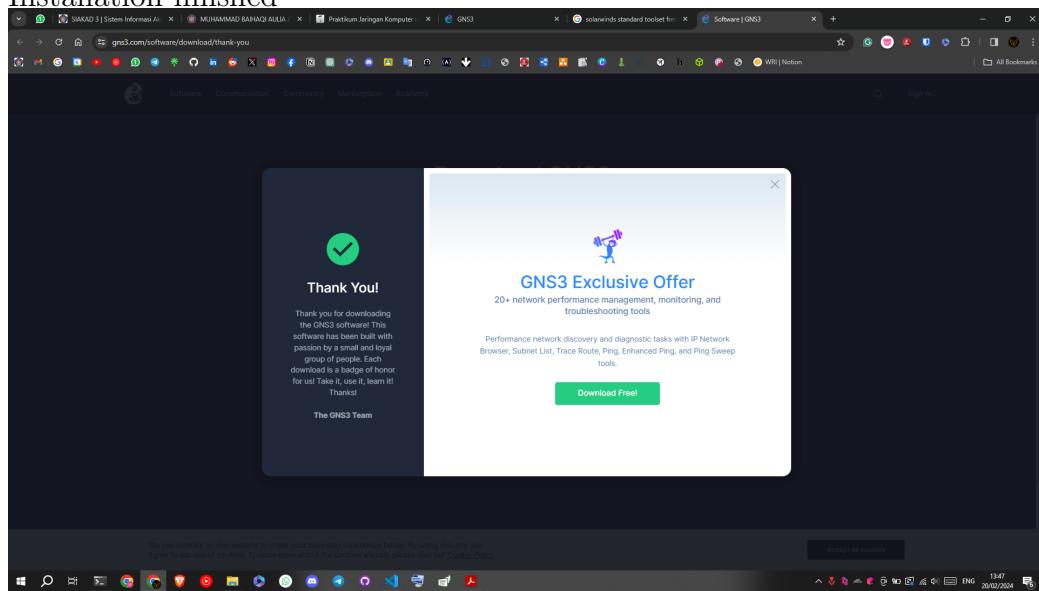
18. Click 'No' for Solarwinds Standard Toolset and click 'Next'



19. Uncheck the 'Start GNS3' and Click 'Finish'

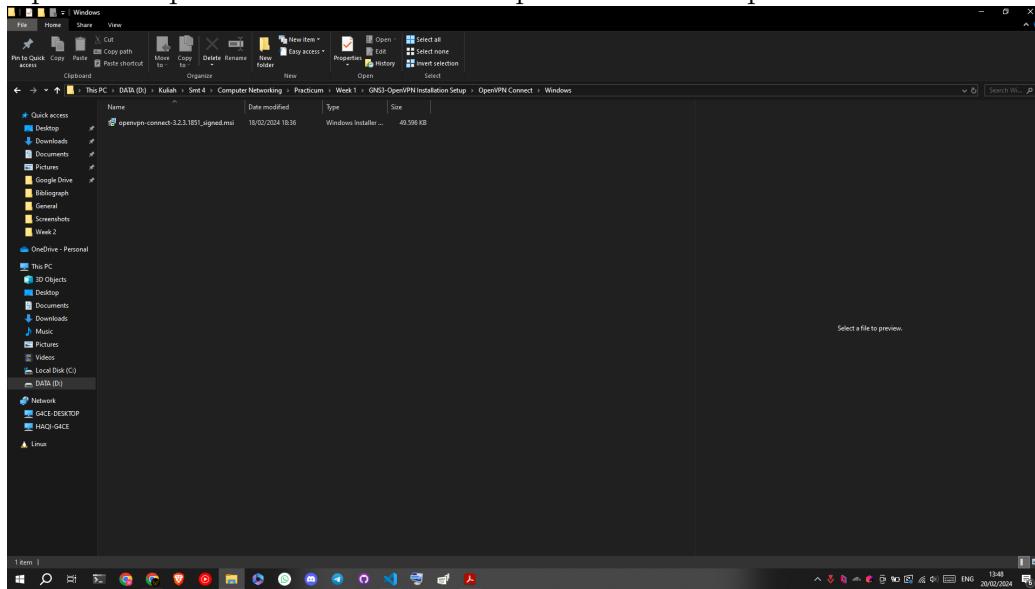


20. Installation finished

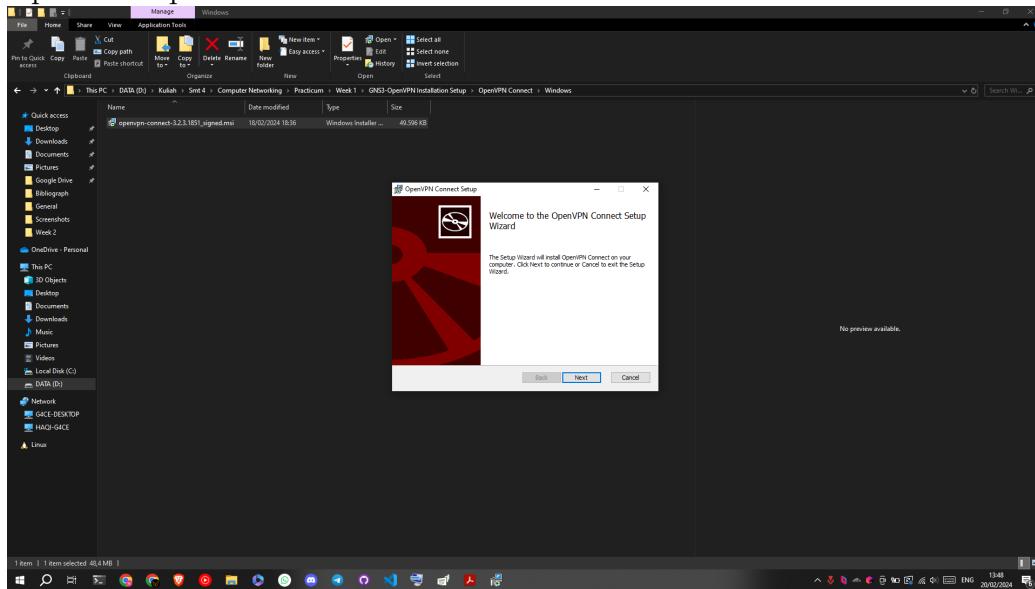


3 OpenVPN Installation

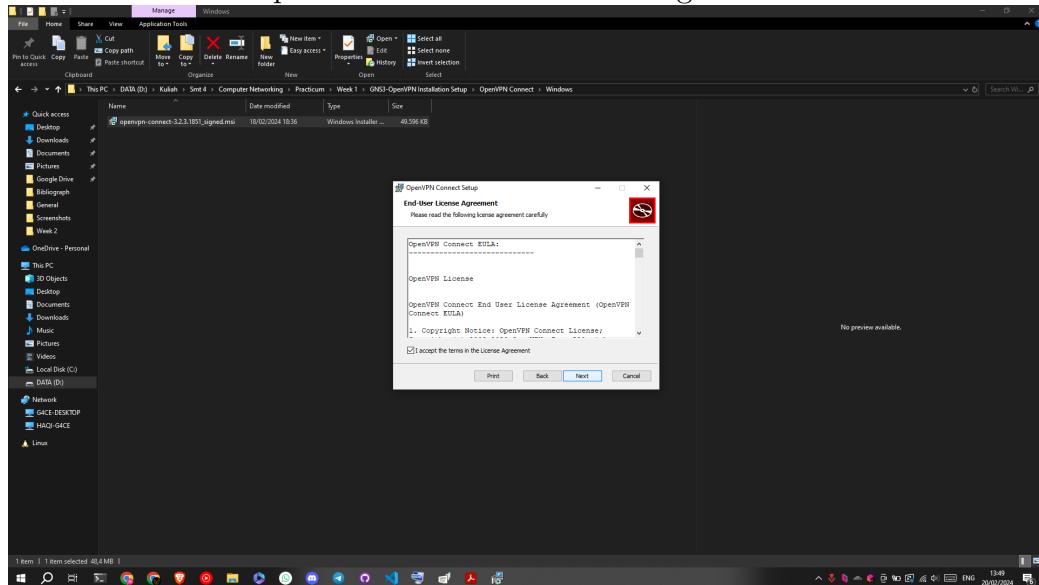
1. Open the OpenVPN installation setup folder to the OpenVPN installer



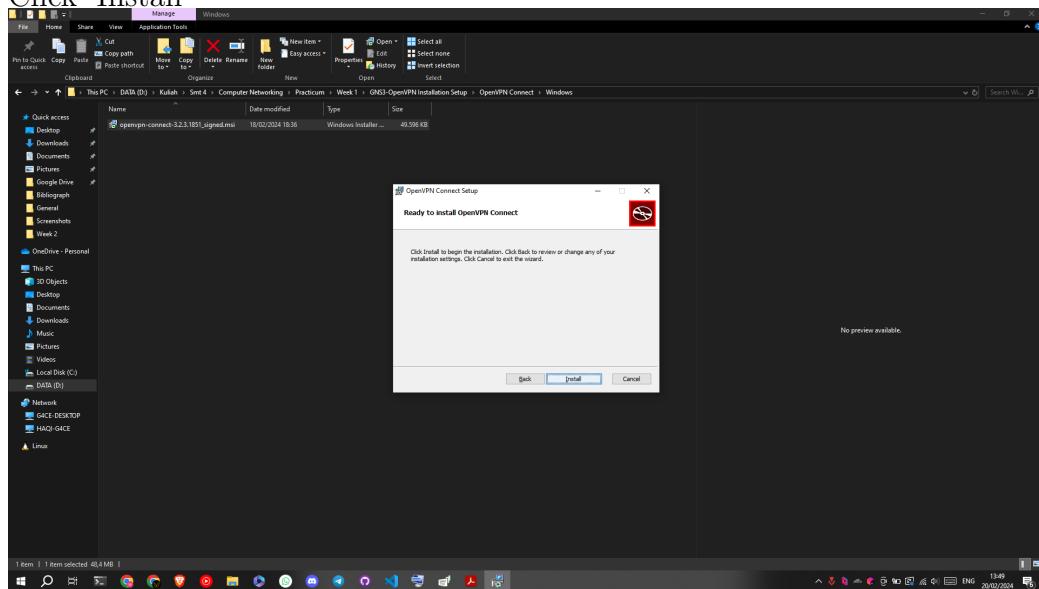
2. Open the OpenVPN installer and click 'next'



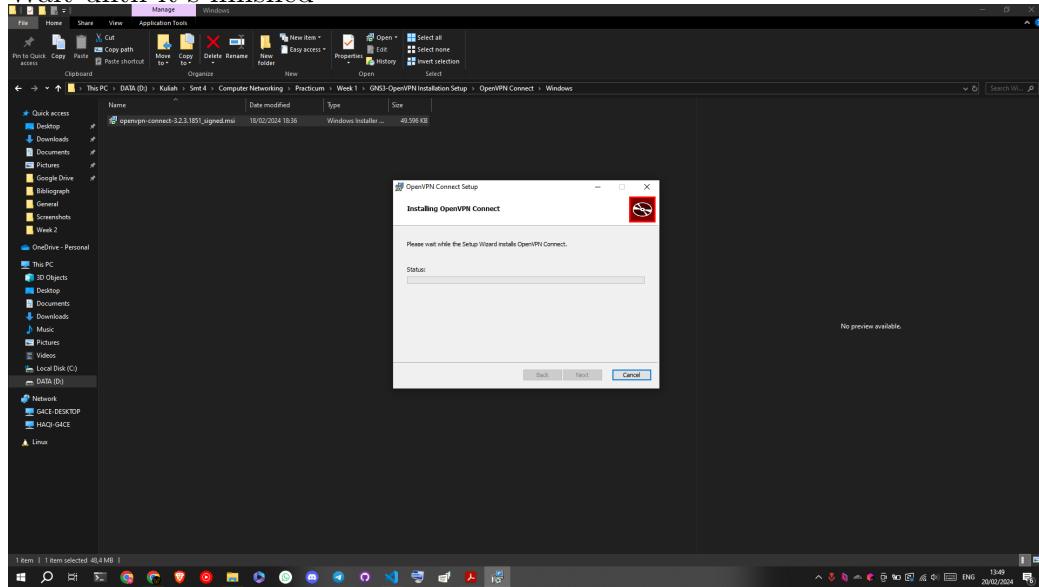
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3. Checked the 'I accept the terms in the License Agreement' and click 'Next'



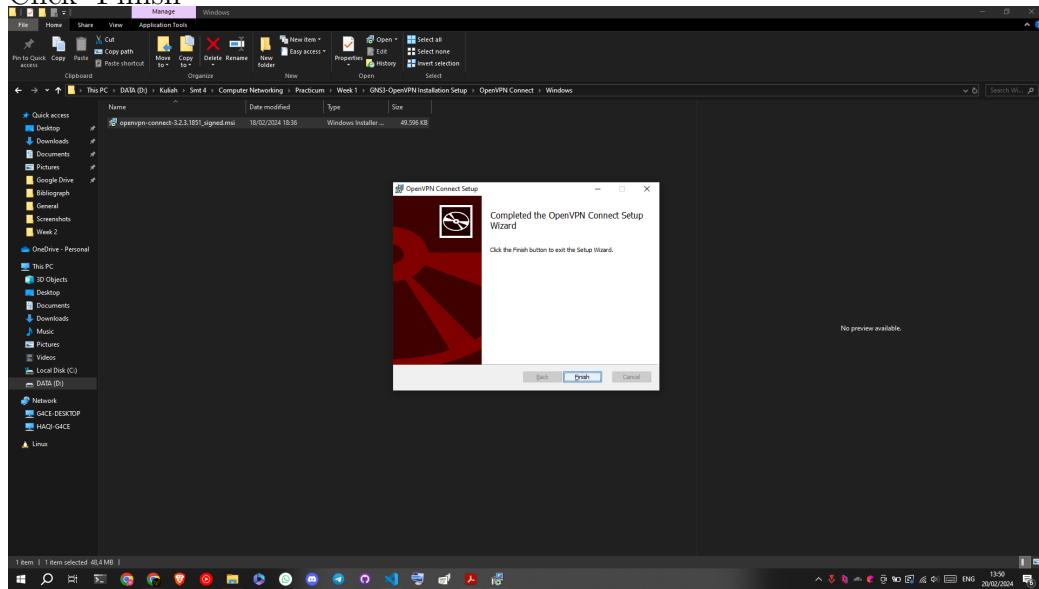
4. Click 'Install'



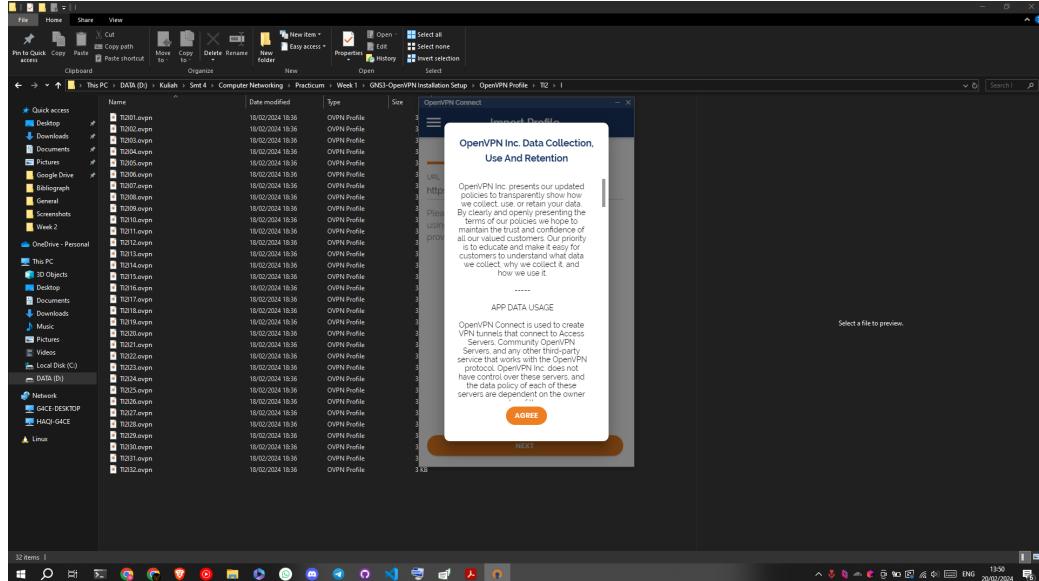
5. Wait until it's finished



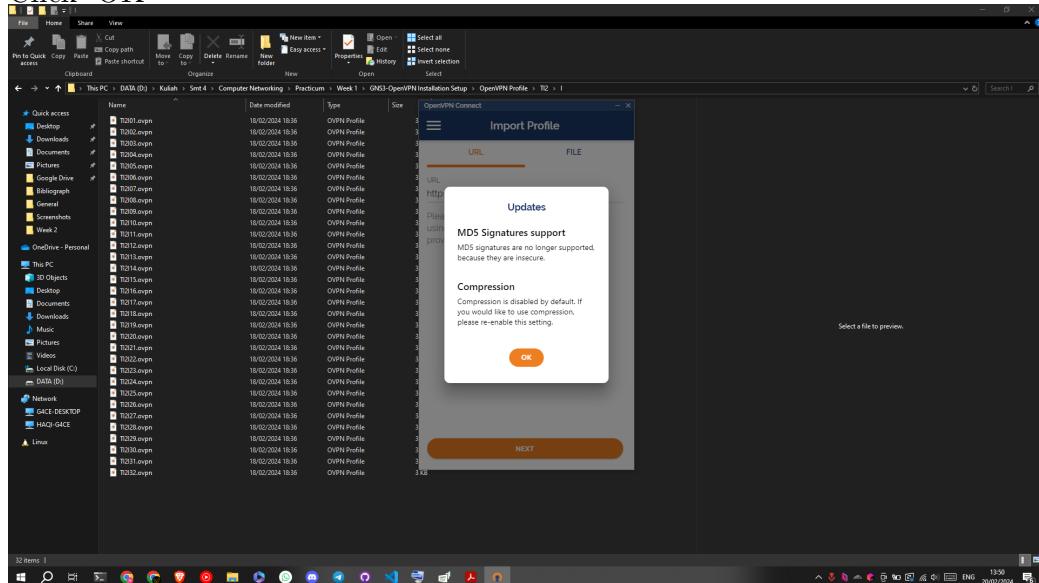
6. Click 'Finish'



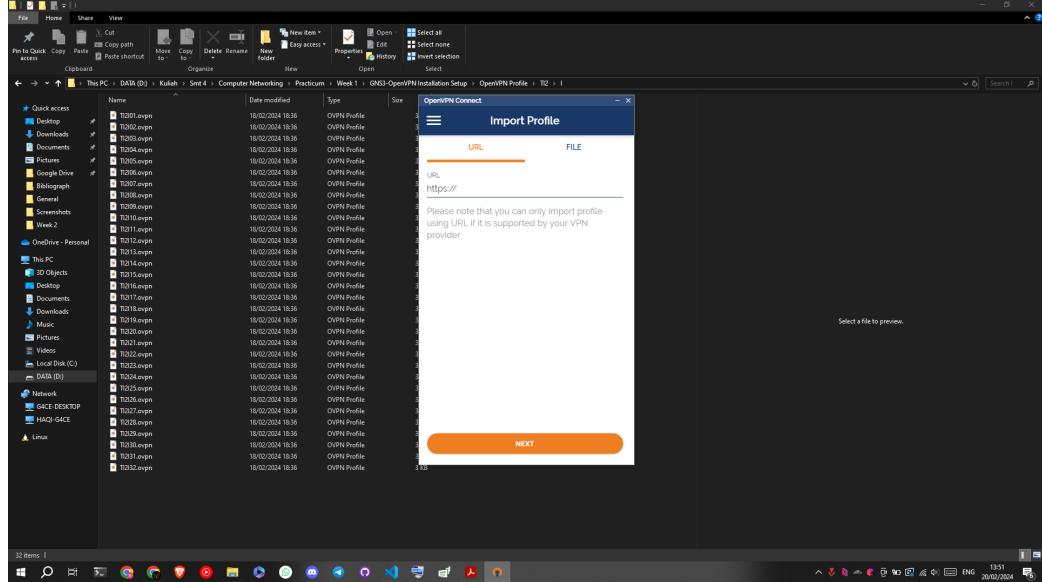
7. Open the application and proceed to agree



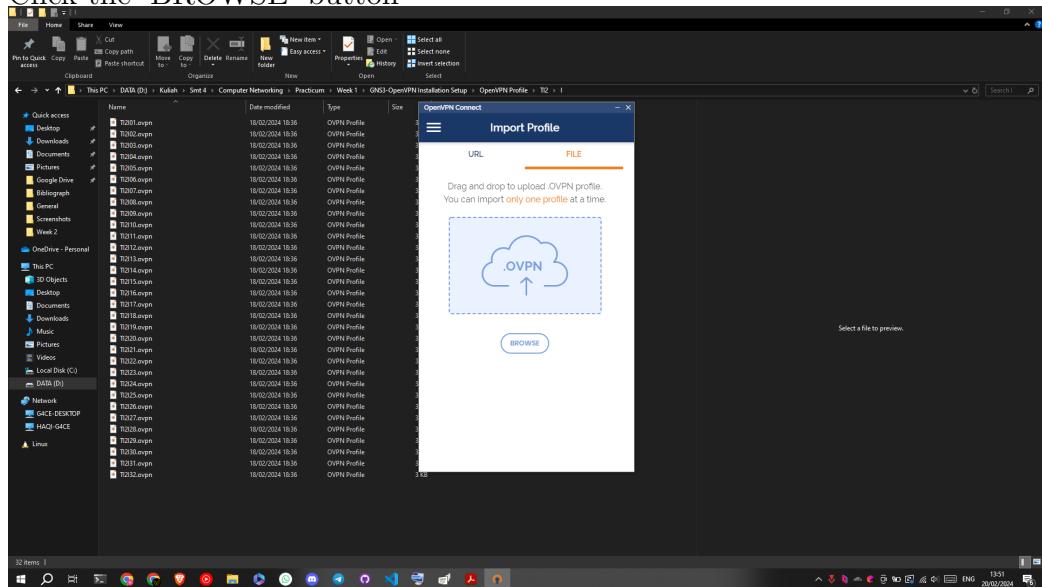
8. Click 'OK'



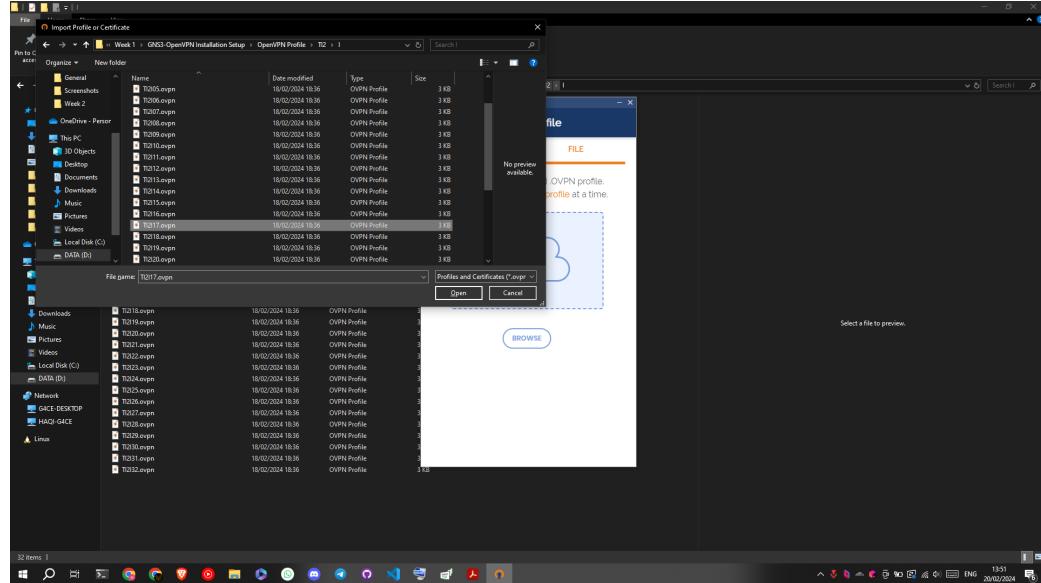
9. Go to the 'FILE' tab



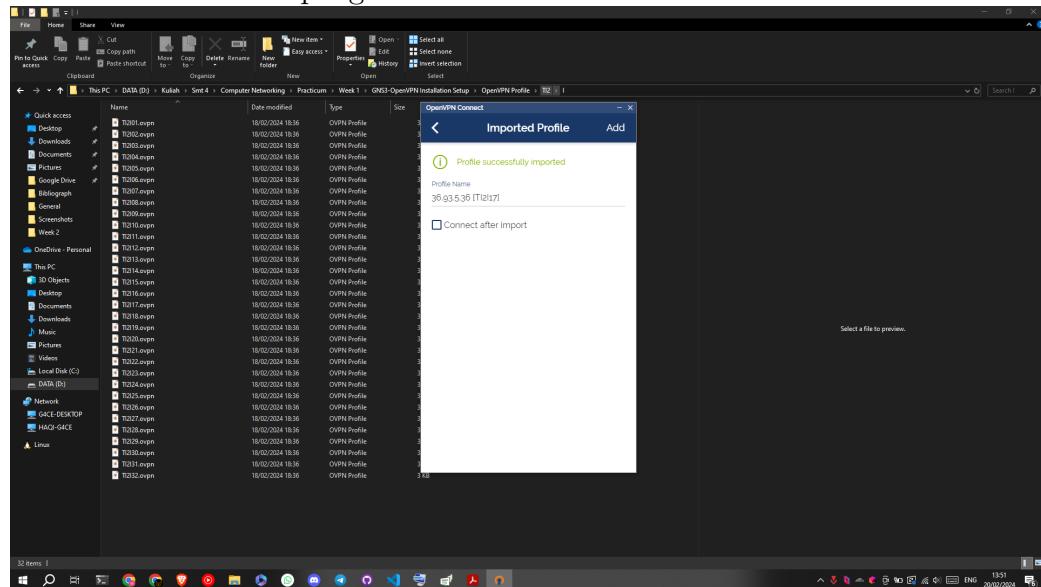
10. Click the 'BROWSE' button



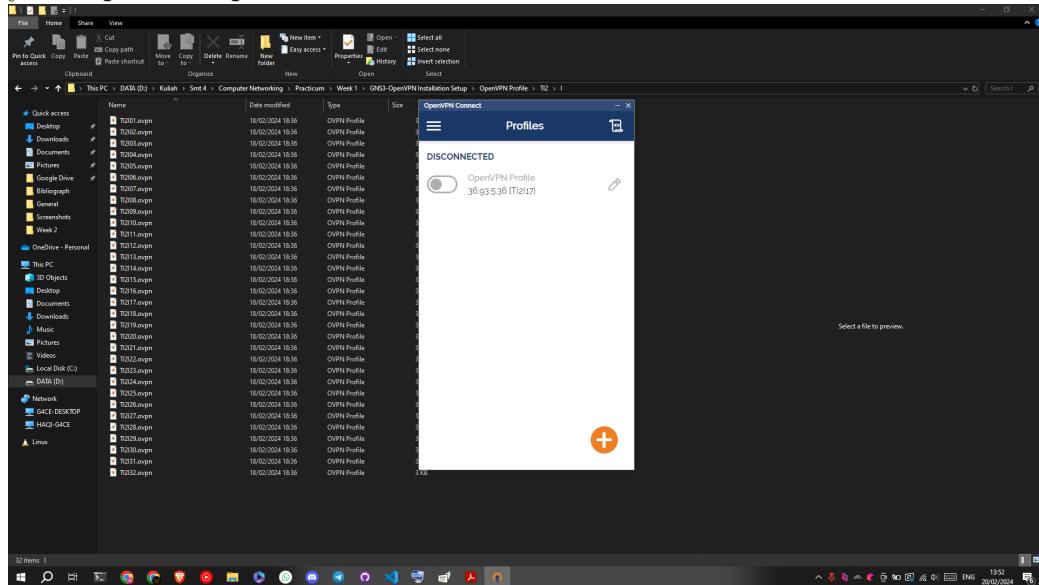
11. Select your assigned OpenVPN profile and click 'Open'



12. Click 'Add' on the top right corner

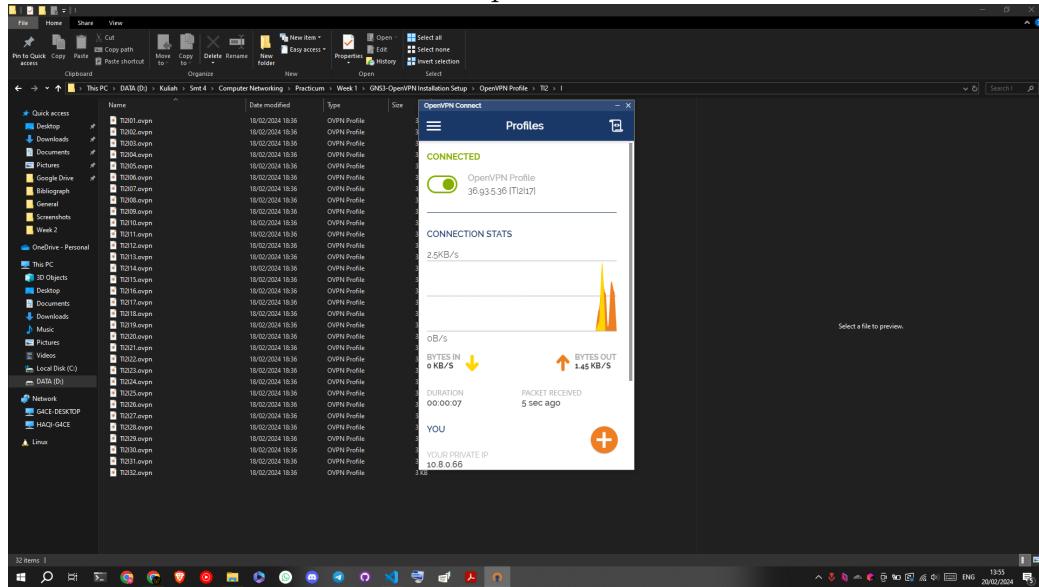


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13. You can now connect to the campus network by clicking the on/off button of your OpenVPN profile

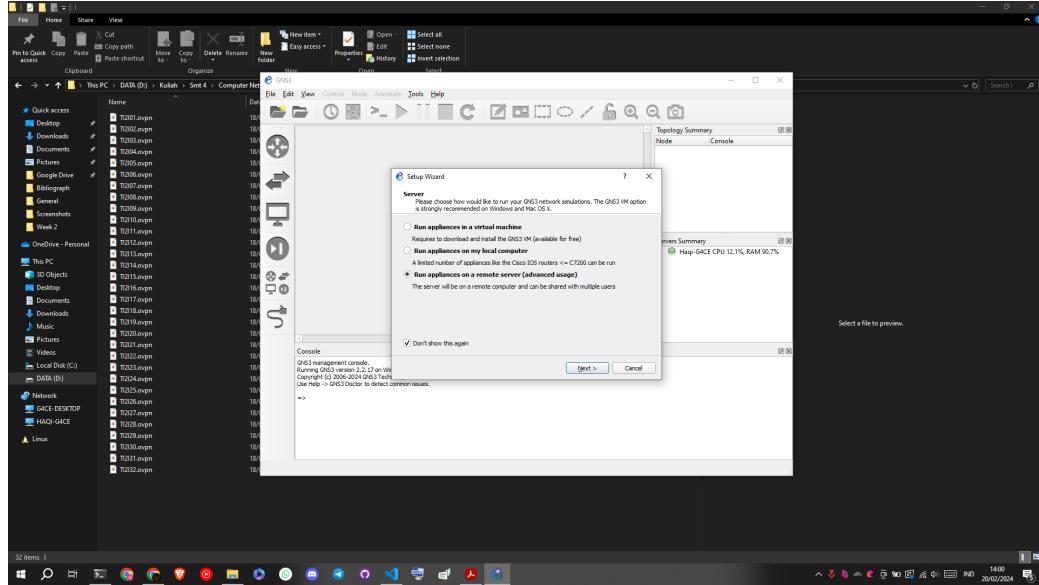


4 Using GNS3 and Connecting to Server

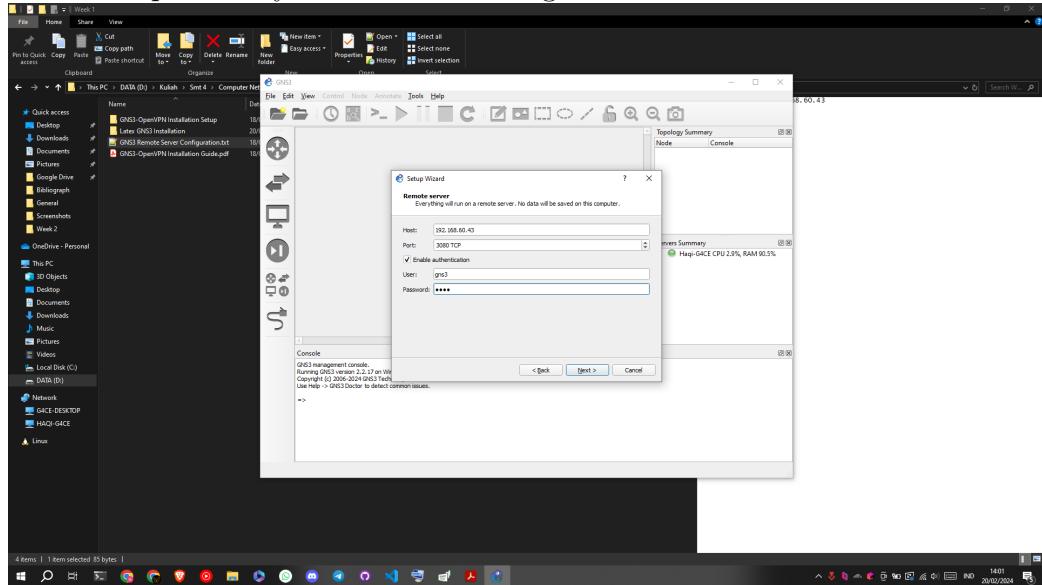
1. Make sure to connect with the campus network



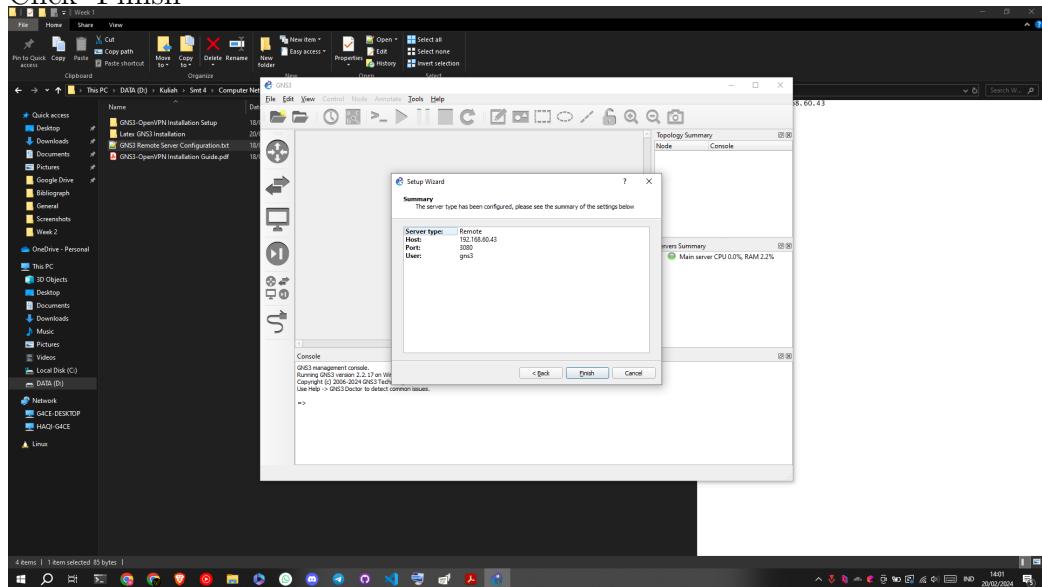
2. Open GNS3 and select 'run appliances on remote server' on the initial setup wizard and click 'Next'



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3. Insert the previously noted server config and click 'Next'



4. Click 'Finish'



5. You can now use GNS3 remotely on campus server

