Here's a step-by-step guide to set up a Linux distribution, send replay traffic using tcpreplay, and run my C++ code in VSCode:

Step 1: Install a Linux Distribution

You can install a Linux distribution on your machine or use a virtual machine (VM) software like VirtualBox or VMware.

I have used Ubuntu.

Step 2: Install Required Packages

Run these commands

bash

sudo apt-get update

sudo apt-get install tcpreplay libpcap-dev build-essential

- tcpreplay for sending replay traffic

- libpcap-dev for capturing network traffic

- build-essential for building C++ code

Step 3: Install VSCode

2. Once the installation is complete, you can launch VSCode by searching for it in your distribution's application menu or by running the following command:

bash

code

Step 4: Configure VSCode for C++ Development

Step 5: Send Replay Traffic using tcpreplay

To send replay traffic using tcpreplay, follow these steps:

1. Open a terminal and navigate to the directory where your PCAP file is located.

2. Run the following command to send replay traffic:

bash

sudo tcpreplay -i lo -p 1000 6.pcap

Step 6: Run the C++ Code in VSCode

To run the C++ code in VSCode, follow these steps:

1. Open the capture\_traffic.cpp file in VSCode.

2. Click on the "Run" button or press F5 to compile and run the code.