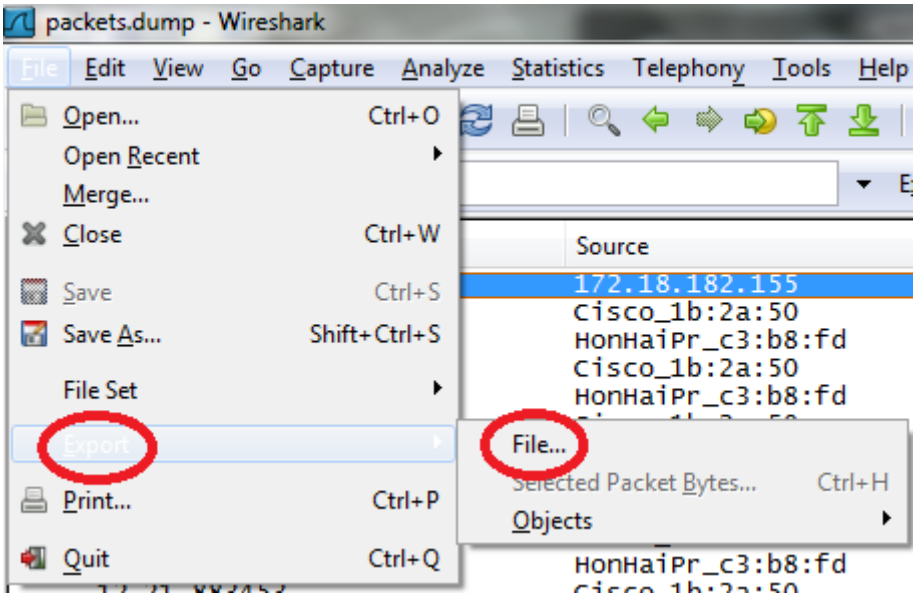
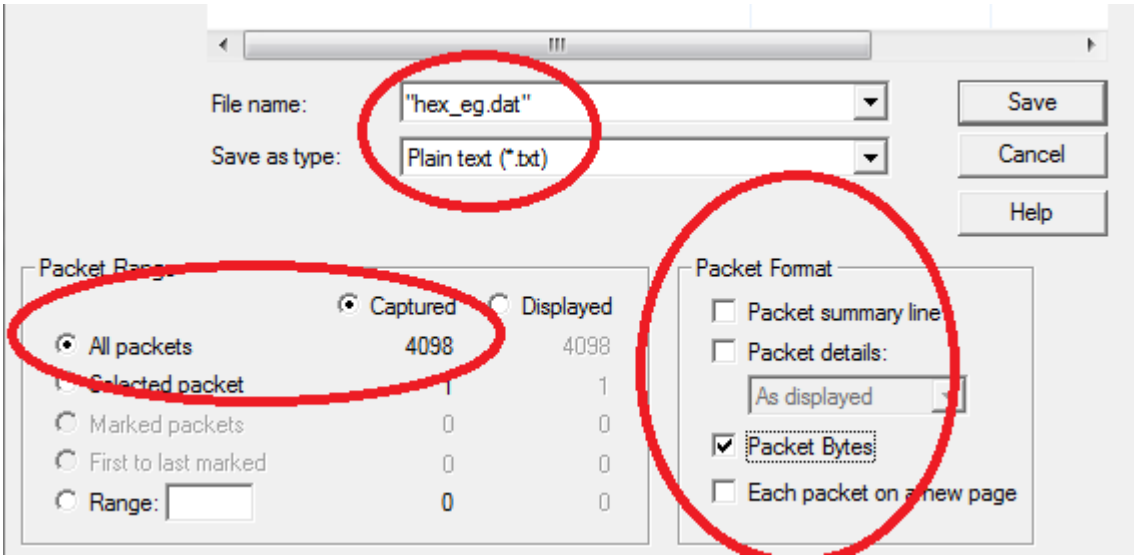
How to create the hex.dat from any packet capture in Wireshark:

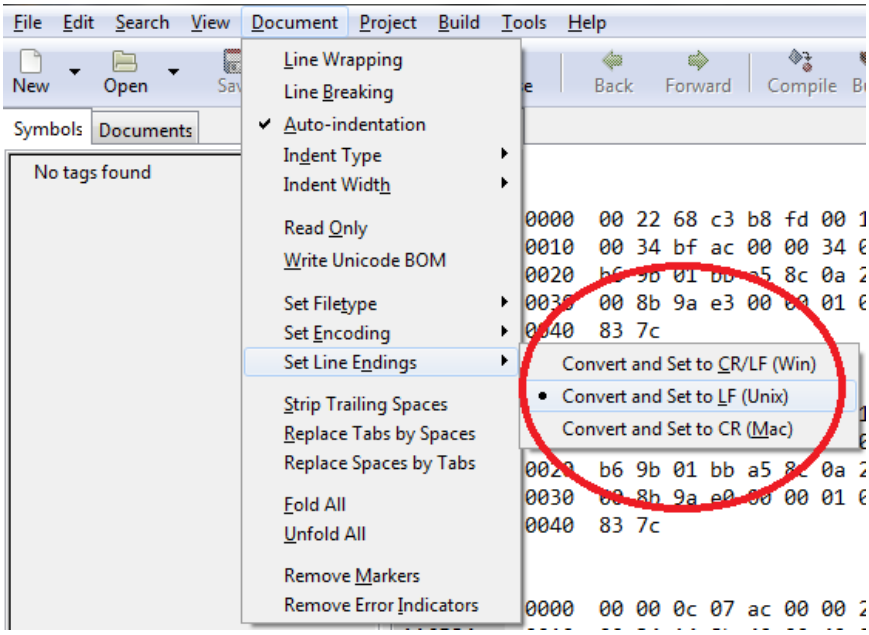
1. Open an existing packet capture file, or create your own trace by capturing packets on your laptop's interface. DNS packets can be easily created by browsing the web, or by using the `nslookup` command.
2. Goto the menu item File ==> Export ==> File



3. Uncheck "Packet summary line" and "Packet details" and check "Packet bytes". Enter a filename as shown, and click "Save".

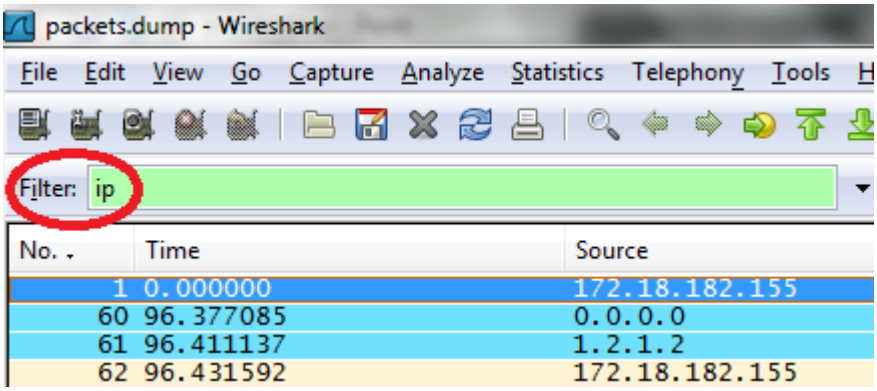


4. Change the line endings to LF or CRLF or CR, depending on what OS you are using. You can do this in Geany as shown:



You may spot some lines starting with "Uncompressed" and "Reassembled". The packet block immediately following these lines must be ignored. However, the packet block immediately following the lines starting with "Frame" must NOT be ignored.

In Wireshark, you can check your packet count by using filters. For example, to check your count of the number of IP packets, enter "ip" in the filter field:



Click "Apply". Then, the packet count appears at the bottom: