[**Wireshark** is a network protocol analyzer used in **penetration testing** to assess traffic for vulnerabilities by reviewing connection-level information and data packets characteristics1](https://www.splunk.com/en_us/blog/learn/penetration-testing.html). Here are **five free resources** where you can learn more about Wireshark and its application in penetration testing:

1. [**Network Packet Capturing and Analysis with Wireshark** - EC-Council provides an all-in-one Wireshark tutorial](https://www.splunk.com/en_us/blog/learn/penetration-testing.html)[2](https://www.eccouncil.org/cybersecurity-exchange/penetration-testing/wireshark-packet-capturing-analysis/).
2. [**Essential Wireshark Skills for Pentesting** - Virtue Security covers key functions of Wireshark, including capture filters, traffic stream analysis, and exporting objects](https://www.splunk.com/en_us/blog/learn/penetration-testing.html)[3](https://www.virtuesecurity.com/kb/essential-wireshark-skills-for-pentesting/).
3. [**Learn Wireshark With Online Courses and Programs** - edX offers online courses that teach how to leverage Wireshark for network monitoring](https://www.splunk.com/en_us/blog/learn/penetration-testing.html)[4](https://www.edx.org/learn/wireshark).
4. **OverTheWire Wargames** - A practical platform for learning penetration testing skills.
5. **TryHackMe** - An interactive platform with hands-on labs and challenges to enhance your cybersecurity knowledge.

Feel free to explore these resources to deepen your understanding of Wireshark and its role in penetration testing! 🕵️‍♂️🔍