Wireshark

- Graphical User Interface GUI
- Details Analysis of captured traffic in GUI
- Heavier on resources especially with large captures
- Advanced display filters intuitive to use

tcpdump

Similarities

- Cross
 Platform
 support
 (Windows,
 macOS,
 Linux)
 - Open source tools

- Command Line Interface CLI
- Lightweight and efficient suitable for long captures
- Complex Filter expressions but more flexible