

Wireshark

Has a GUI

Has automatic DNS lookup

Higher level of data presentation,
easier to read and understand

Is a standalone application

Available on multiple OS

tcpdump

Uses command line interface

Lightweight, very fast to run

Presents chunk data as text blocks in CLI

Comes preinstalled on Linux distributions

As a CLI operation, can be scriptable

Similarities

Captures network
traffic data that can be
saved

Can filter packet data