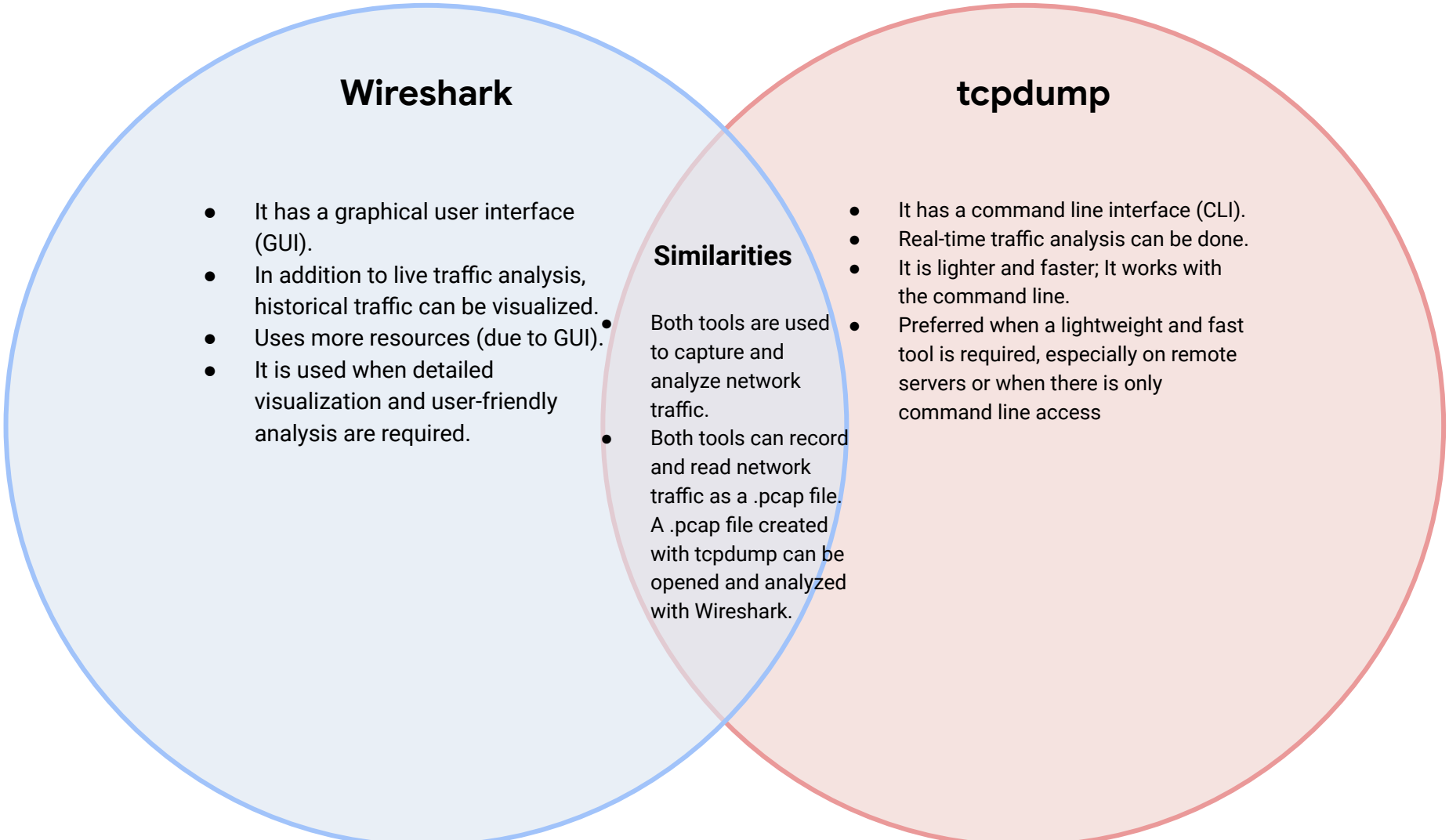
Wireshark
It has a graphical user interface (GUI).
In addition to live traffic analysis, historical traffic can be visualized.
Uses more resources (due to GUI).
It is used when detailed visualization and user-friendly analysis are required.
Similarities
Both tools are used to capture and analyze network traffic.
Both tools can record and read network traffic as a .pcap file. A .pcap file created with tcpdump can be opened and analyzed with Wireshark.
tcpdump
It has a command line interface (CLI).
Real-time traffic analysis can be done.
It is lighter and faster; It works with the command line.
Preferred when a lightweight and fast tool is required, especially on remote servers or when there is only command line access