

Exercise 4

- 1) Run the server and client in Docker containers. For this, you can use the simple Host1-Router-Host2 network from the last exercise. Before that, you need to build a Docker image with Python equipment and use that for the network elements (`simple_router_py`).
- 2) Reconstruct the interaction between stream socket servers and clients.
Use the simple example programs from the reprint in each case with `nc` as the counterpart.
Document the logging processes, e.g. with Wireshark, and the establishment/disassembly of the sockets, e.g. via `ss`.
- 3) Briefly try out Unix domain sockets: You can use netcat (`nc`) as server / client. For observation use `ss` (Wireshark is useless here).
- 4) (Optional) Develop a simple datagram socket server. You can use netcat (`nc`) again as the client.