

System Architecture

01 – Exercise

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Exercise 1

- Install a Java IDE
- Write a Java Program that transmits a string via TCP socket
 - Command line use: send [host] [port] [text]
- Write a Java Program that receives a string via TCP socket and which prints the string
 - Command line use: recv [port]
- Commit the code to gitlab

Exercise 2

- Modify the programs from exercise 1
- Combine them into one program
 - Command line use: `socket (send|recv) [host] [port] [text]`
- Provide additional commands „`sendf`“, „`recvf`“ which send and receive a complete file
 - How can you accomplish automatic naming at the receiving end?