

Daniel Steele
Lab #4

There are four (4) steps that TCP servers go through to communicate. What are those steps, including the associated function calls (e.g., `dosomething()`)?

The four basic steps creating the socket for a server are the following

- Creating a socket and binding the socket to a port : `bind()` and `socket()`
- Listening to the port : `listen()`
- Accepting a connection: `accept()`
- Transferring data: `sendto()` and `recvfrom()`

Each of these system calls also have their associated parameters that tell them where to access and store information that either is being returned or is needed for the function. One thing in particular that I found interesting is that you can specify the number of clients that can be in line to connect in the `listen()` call (Stevens, Fenner, & Rudoff., 2004).

References

Stevens, W. R., Fenner, B., & Rudoff, A. M. (2004). Unix network programming (3rd ed.). Boston, MA: Pearson Education.