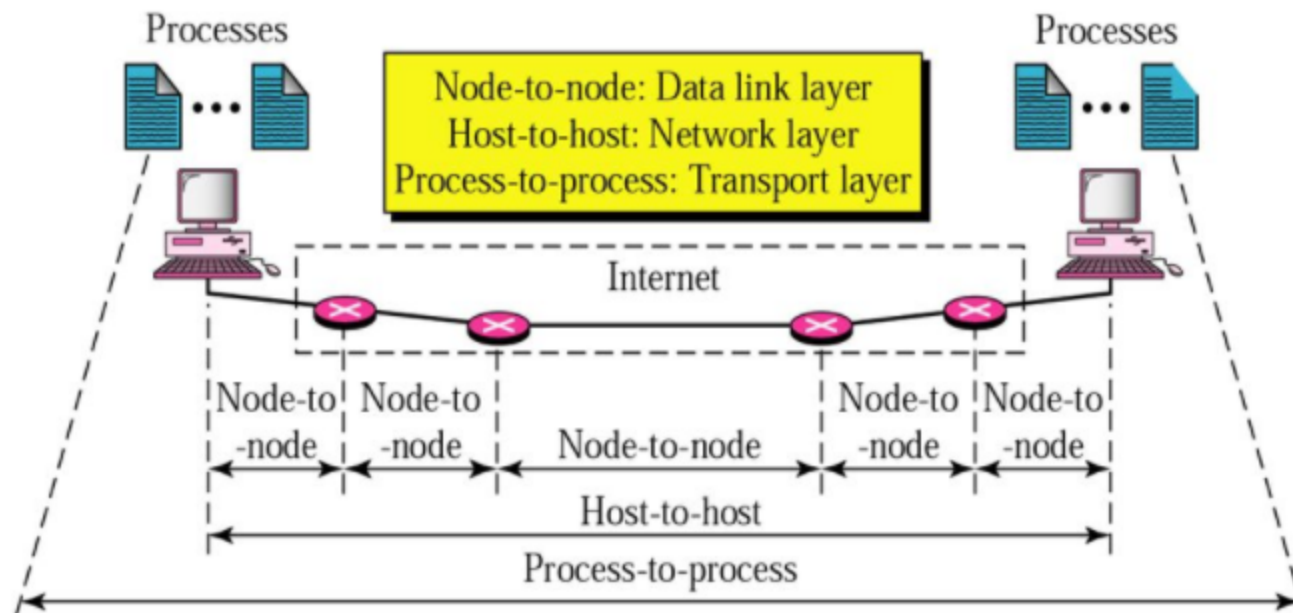


Process to Process Communication with Sockets

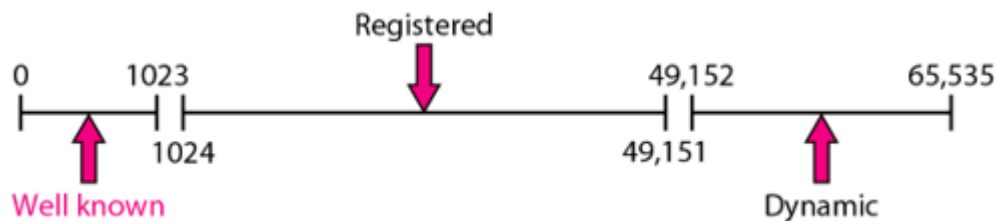
Process-to-process Communication



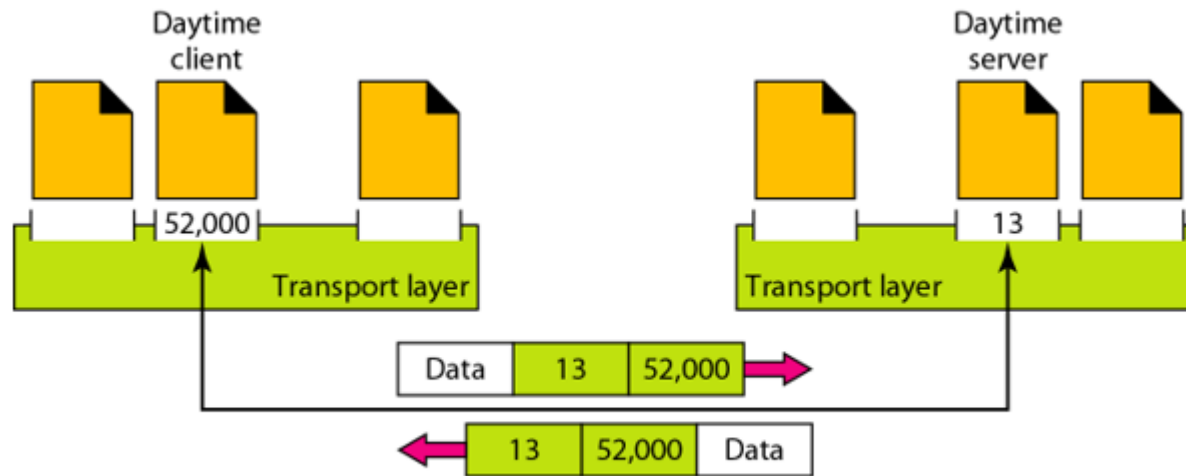
Port Numbers

- a transport-layer address
- 16-bit integers between 0 ~ 65,535

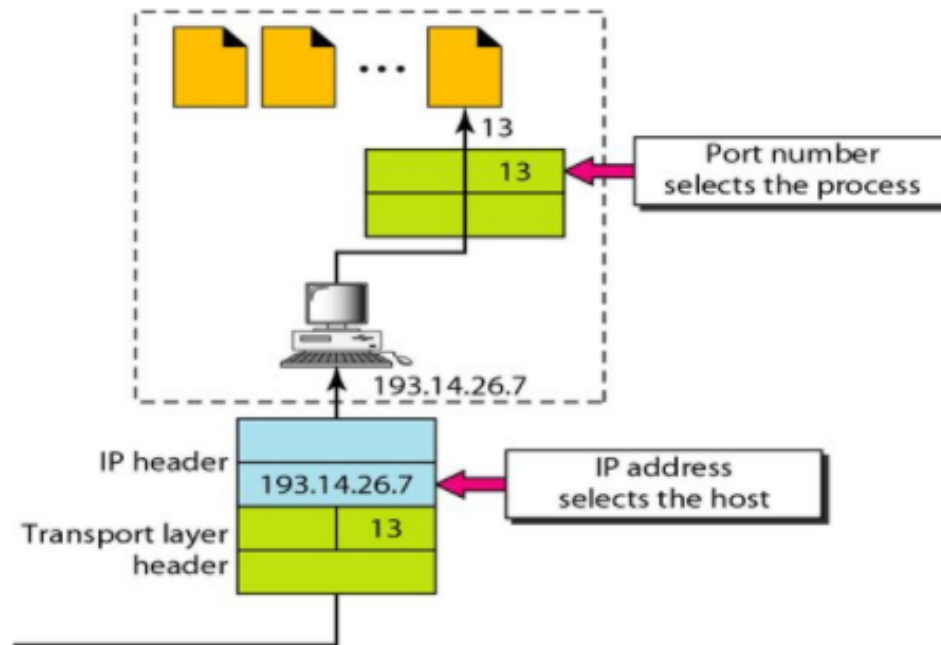
IANA(*Internet Assigned Number Authority*) ranges



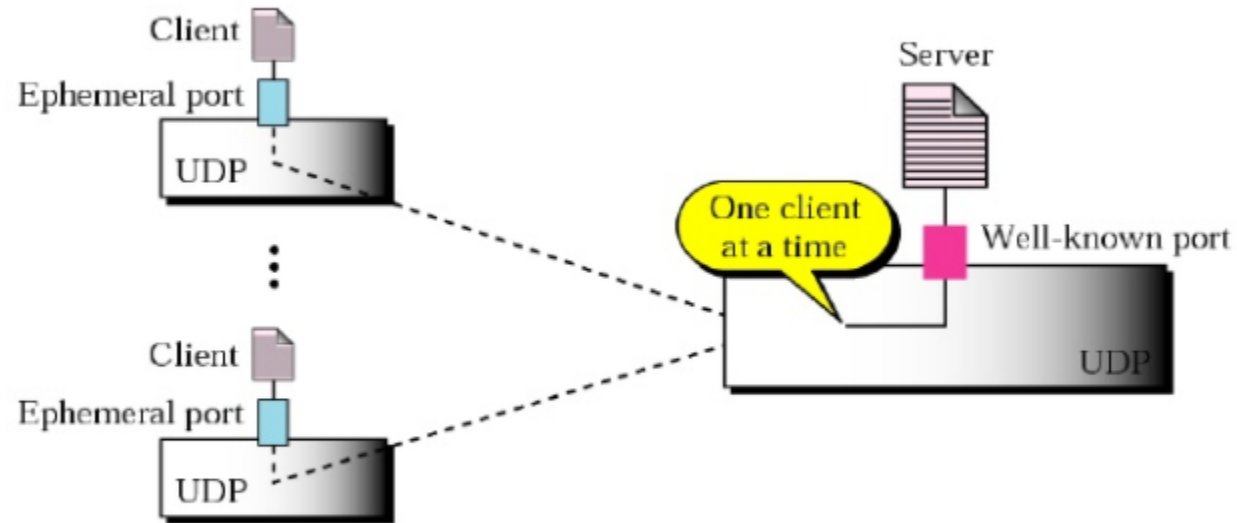
Client-Server Paradigm



Process-to-Process delivery needs IP address and Port number

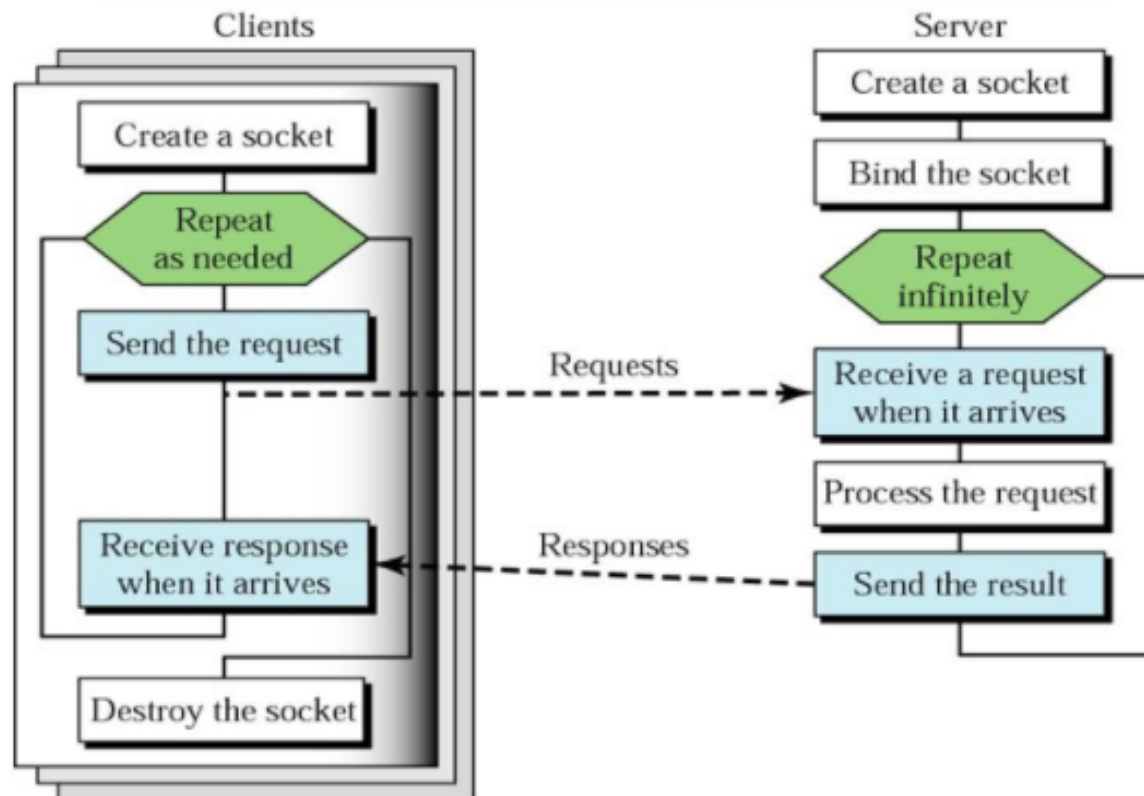


Connection-less Iterative Server

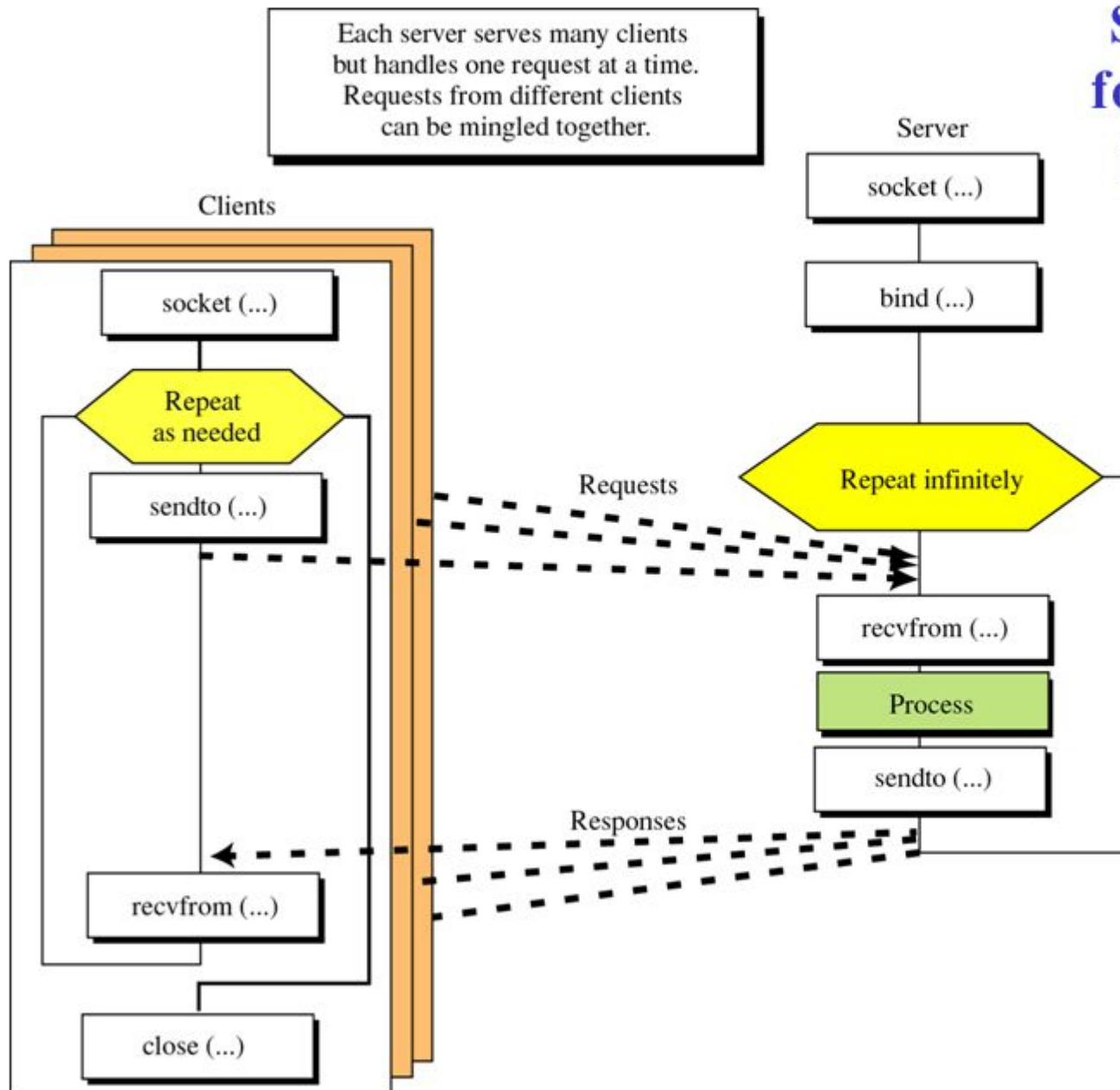


Socket Interface for Connectionless Iterative Server

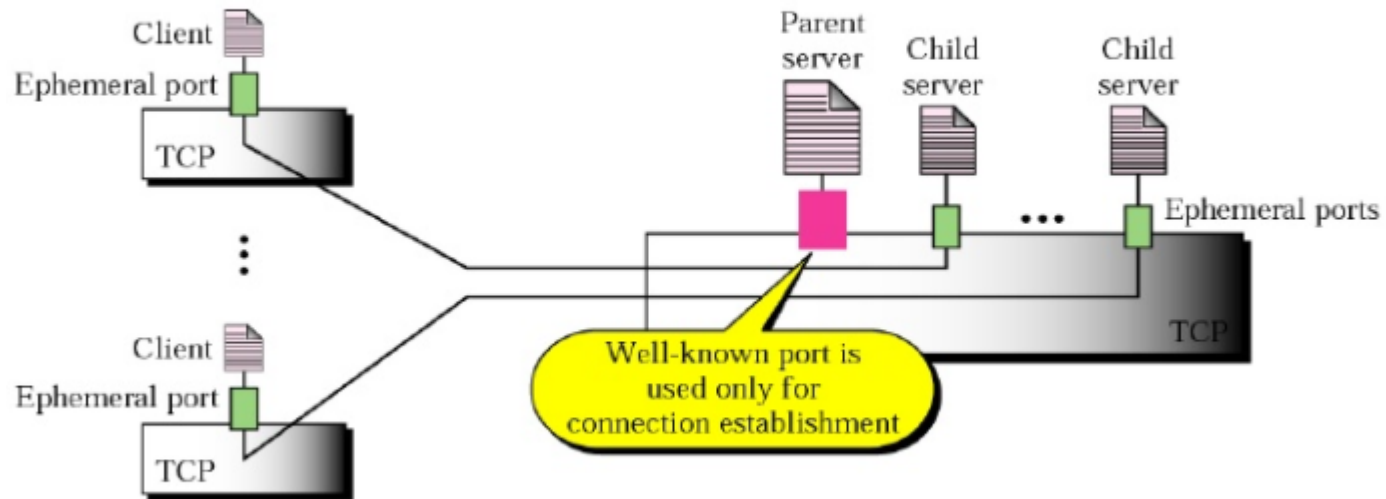
Each server serves many clients but handles one request at a time.



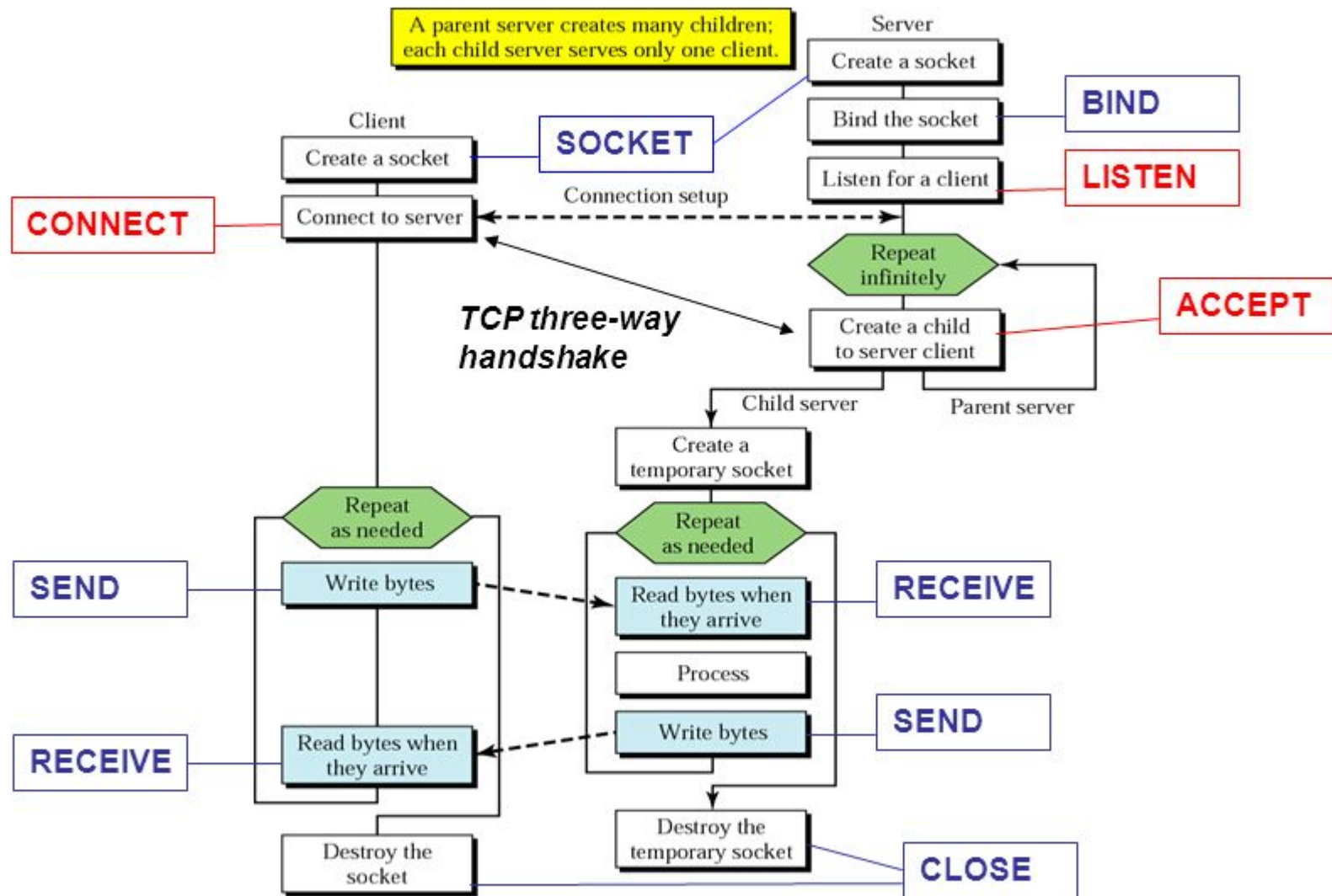
Socket interface for connectionless iterative server



Connection-Oriented Concurrent Server



Client+server: connection-oriented



Concurrent server