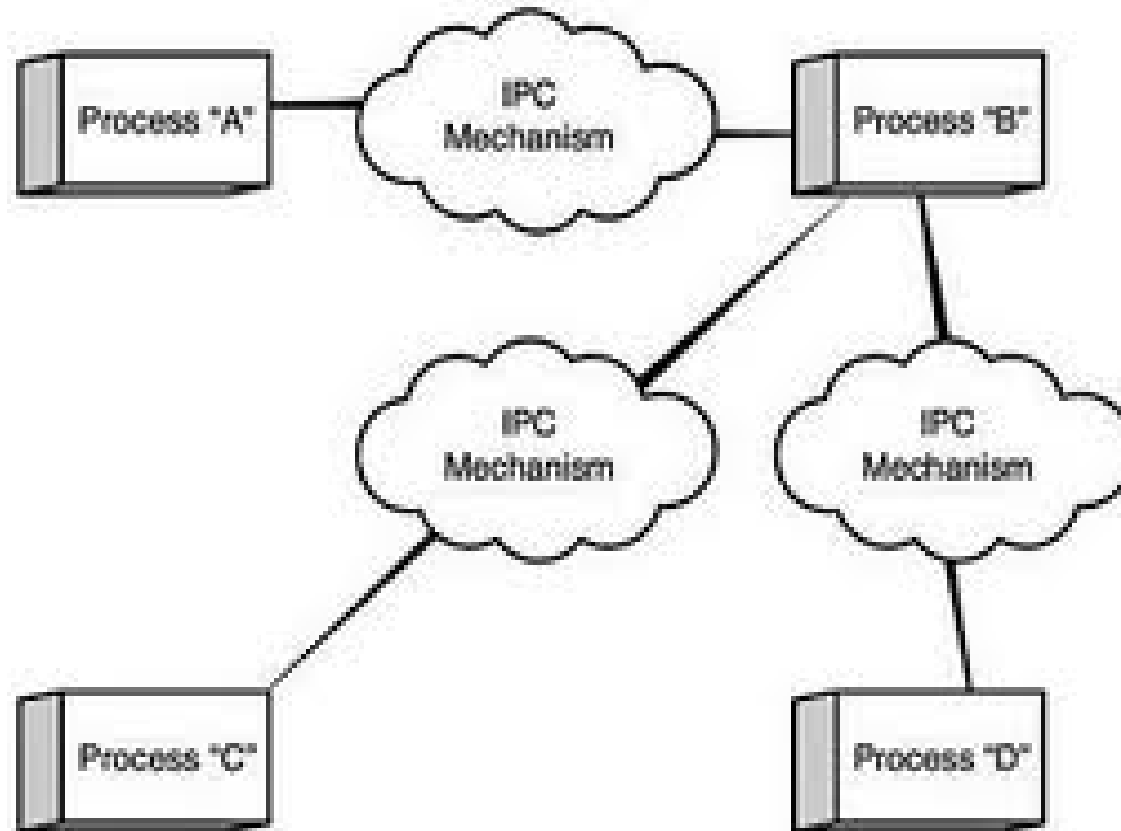


ØMQ

what is ~~Ø~~**MQ**?

The Intelligent Transport
Layer?

interprocess/interthread communication?



what about socket?

socket()

bind()

accept()

recv()

send()

close()

support more..

fork
threading
subprocess

.....

zeromq make it simple

how?

like this

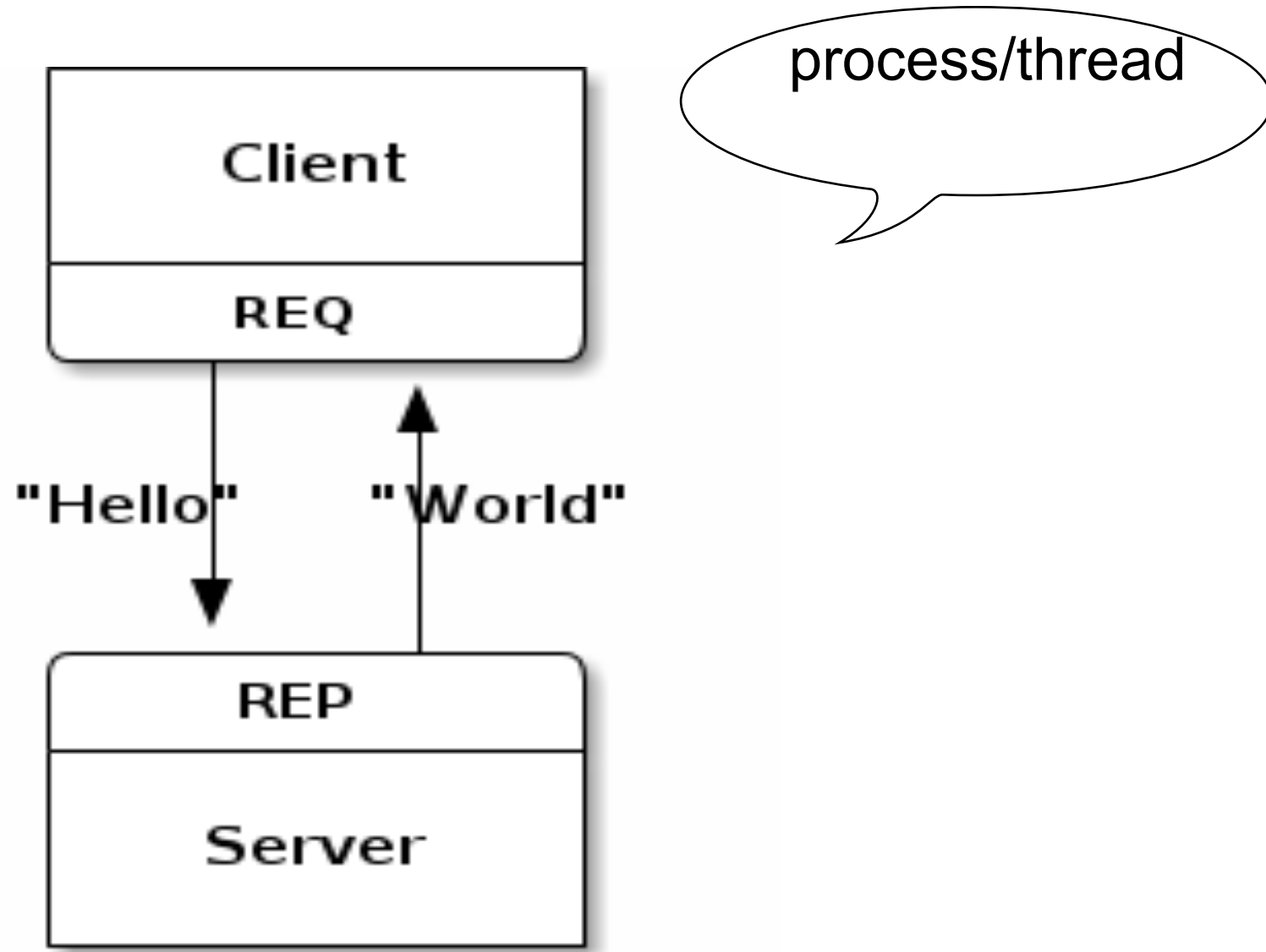


Figure 1 – Request-Reply

like this

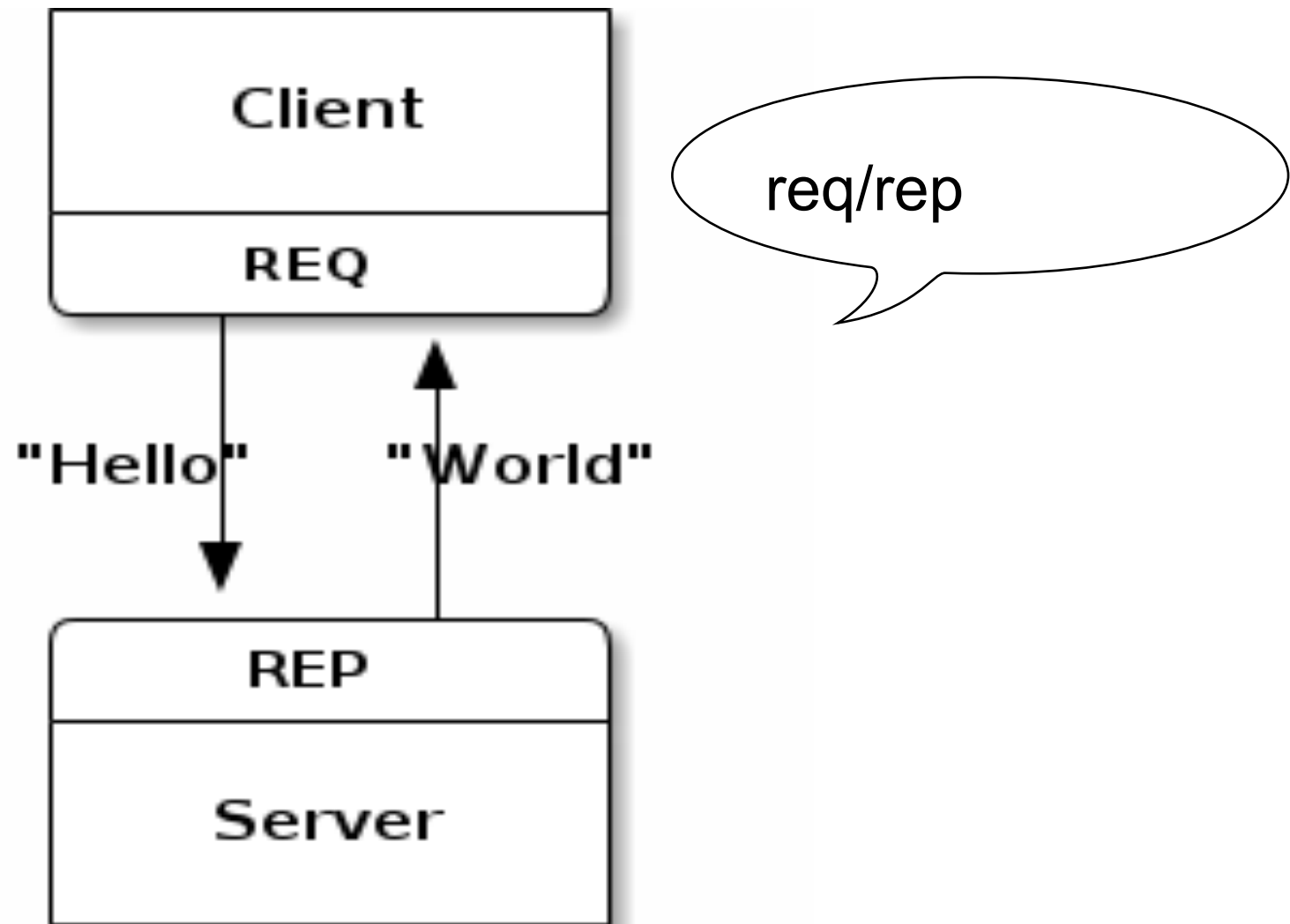


Figure 1 – Request-Reply

like this

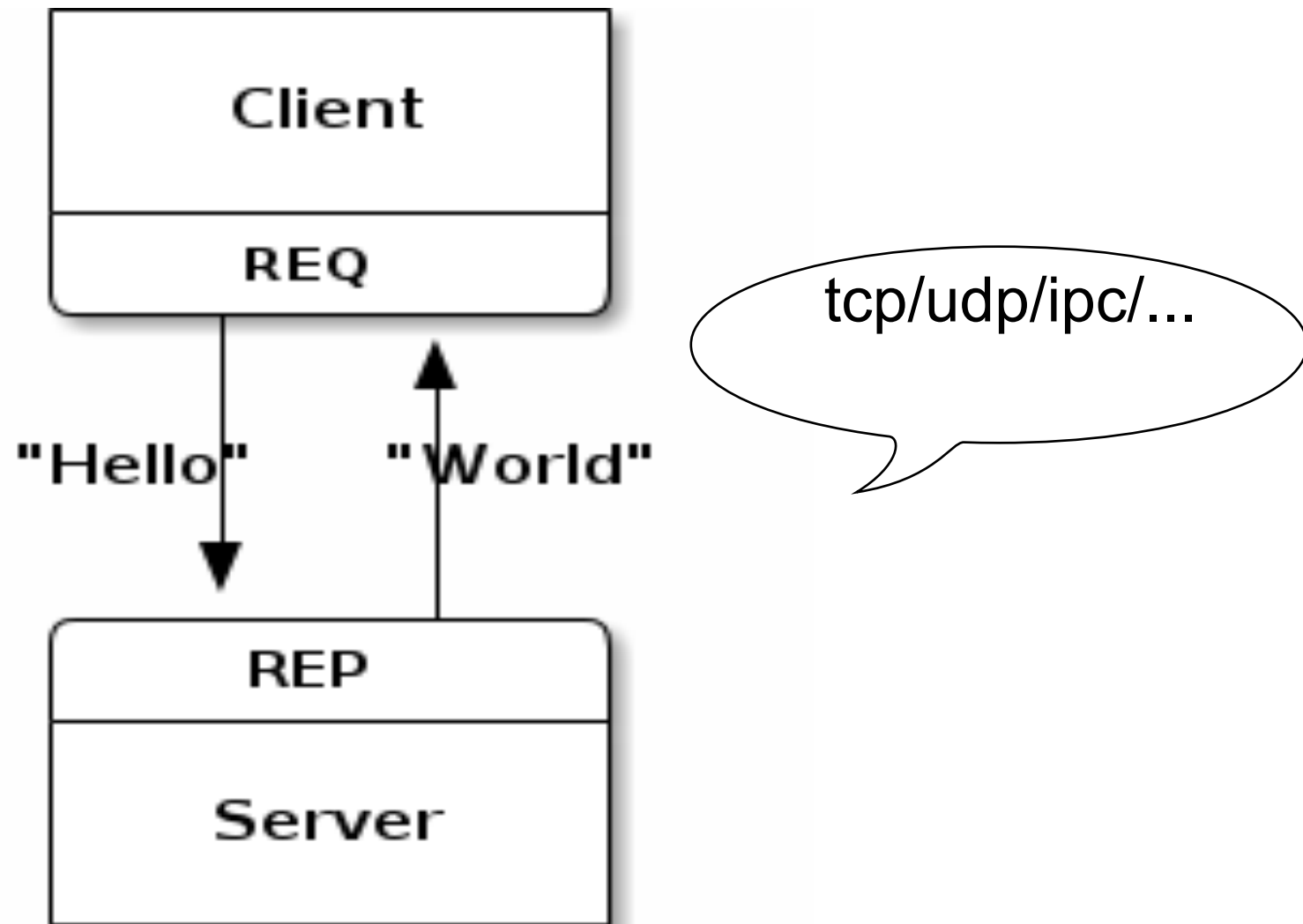


Figure 1 – Request-Reply

like this

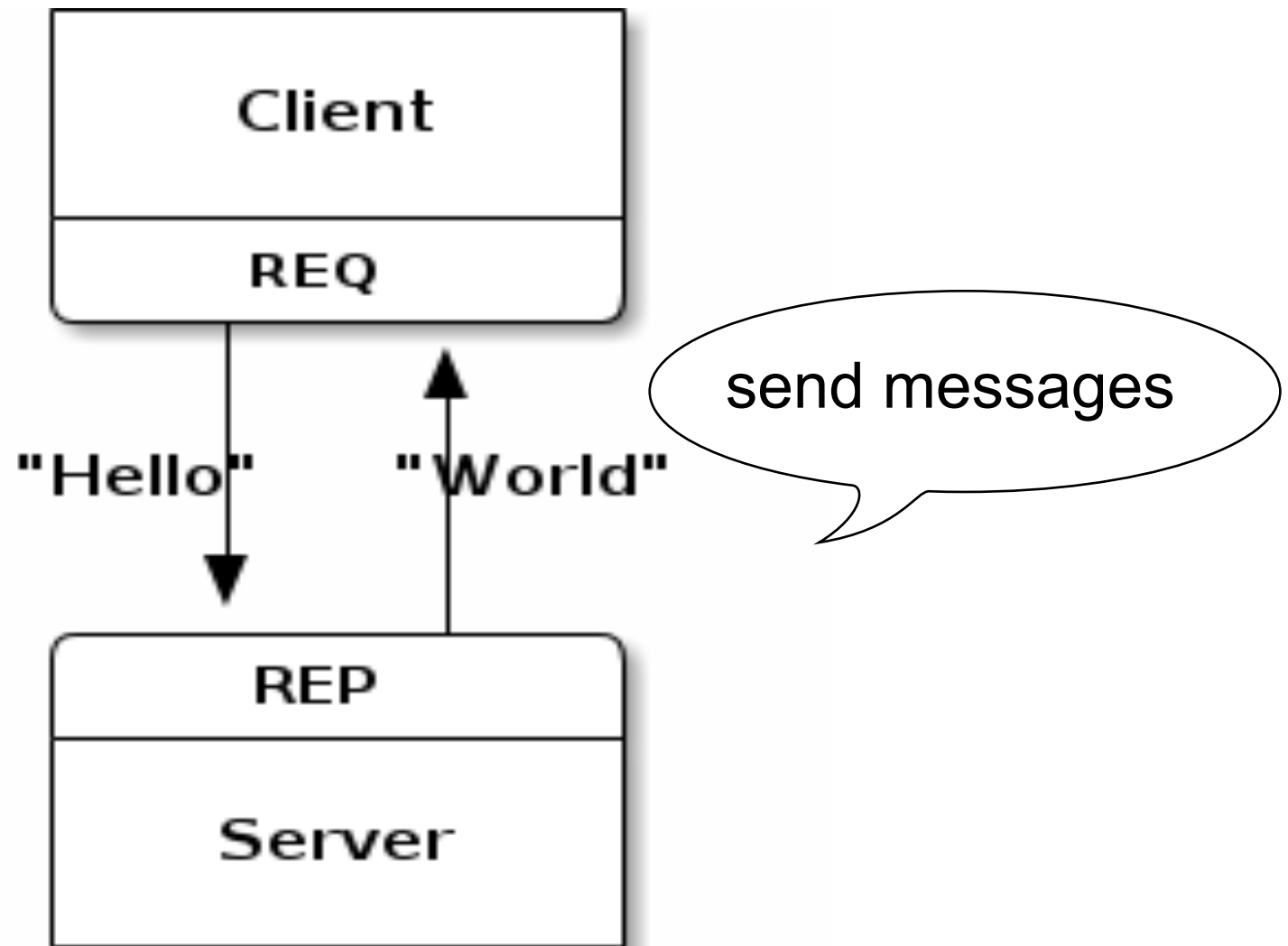


Figure 1 – Request-Reply

with this code:

```
socket = zmq.Socket(zmq.REP)  
socket.bind("tcp://127.0.0.1:4000/")
```

server:

```
while True:  
    request = socket.recv()  
    ....  
    socket.send(result)
```

client:

```
socket = zmq.Socket(zmq.REQ)  
socket.connect("tcp://127.0.0.1:4000/")
```

```
socket.send(request)  
result = socket.recv()
```

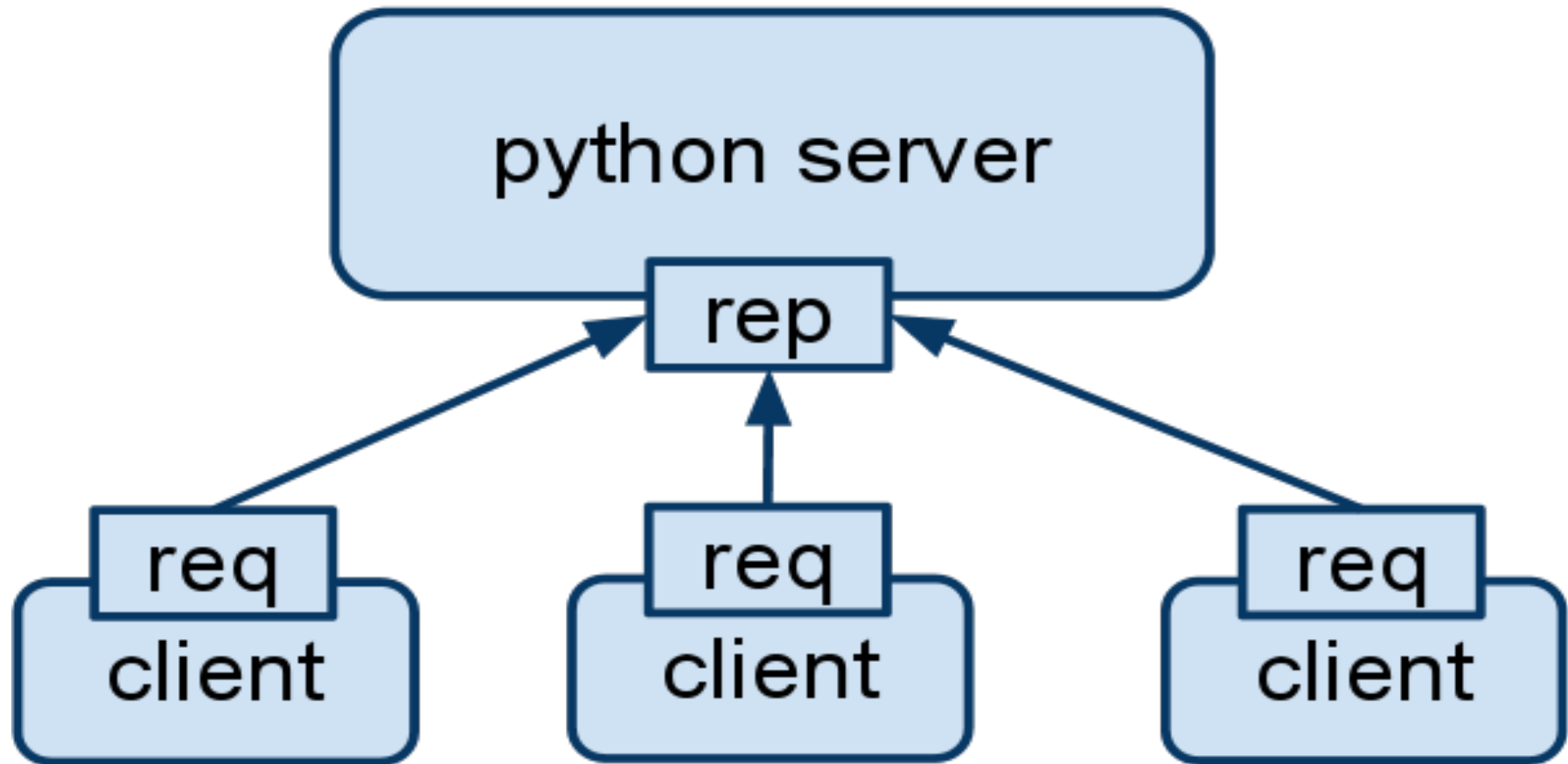
socket types:
req/rep, push/pull, xreq/xrecv

bind to addr

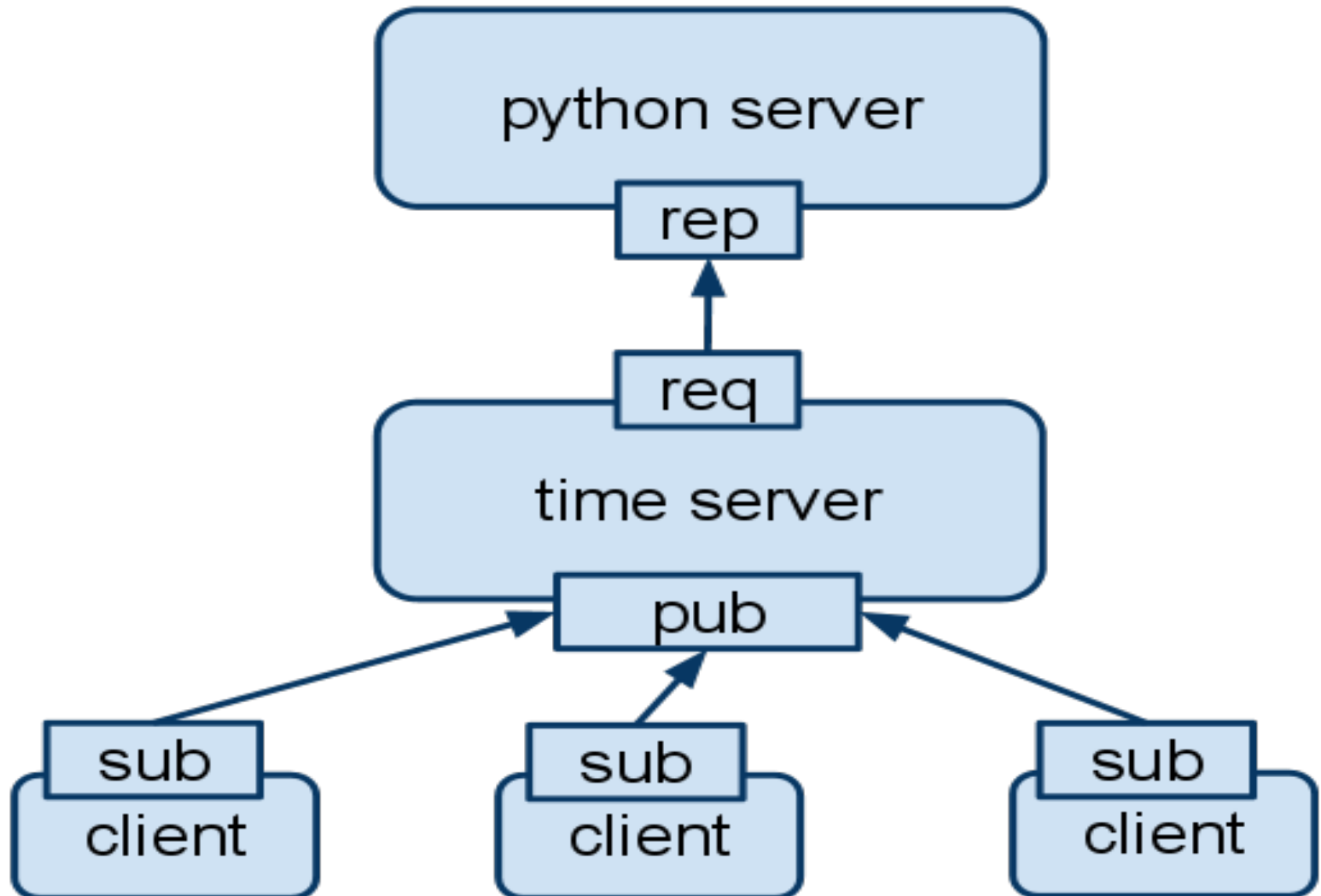
send messages

examples!

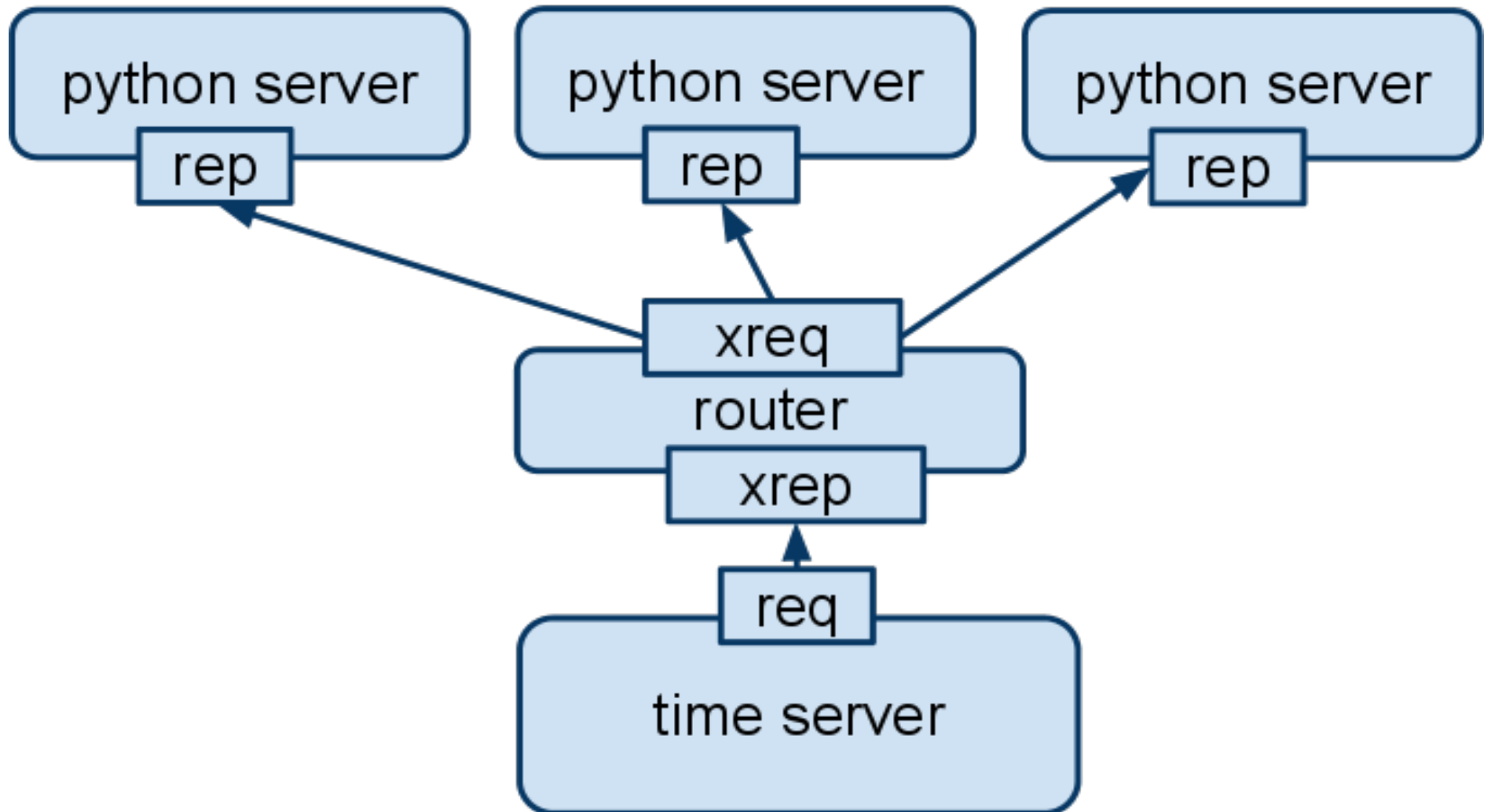
calculator server



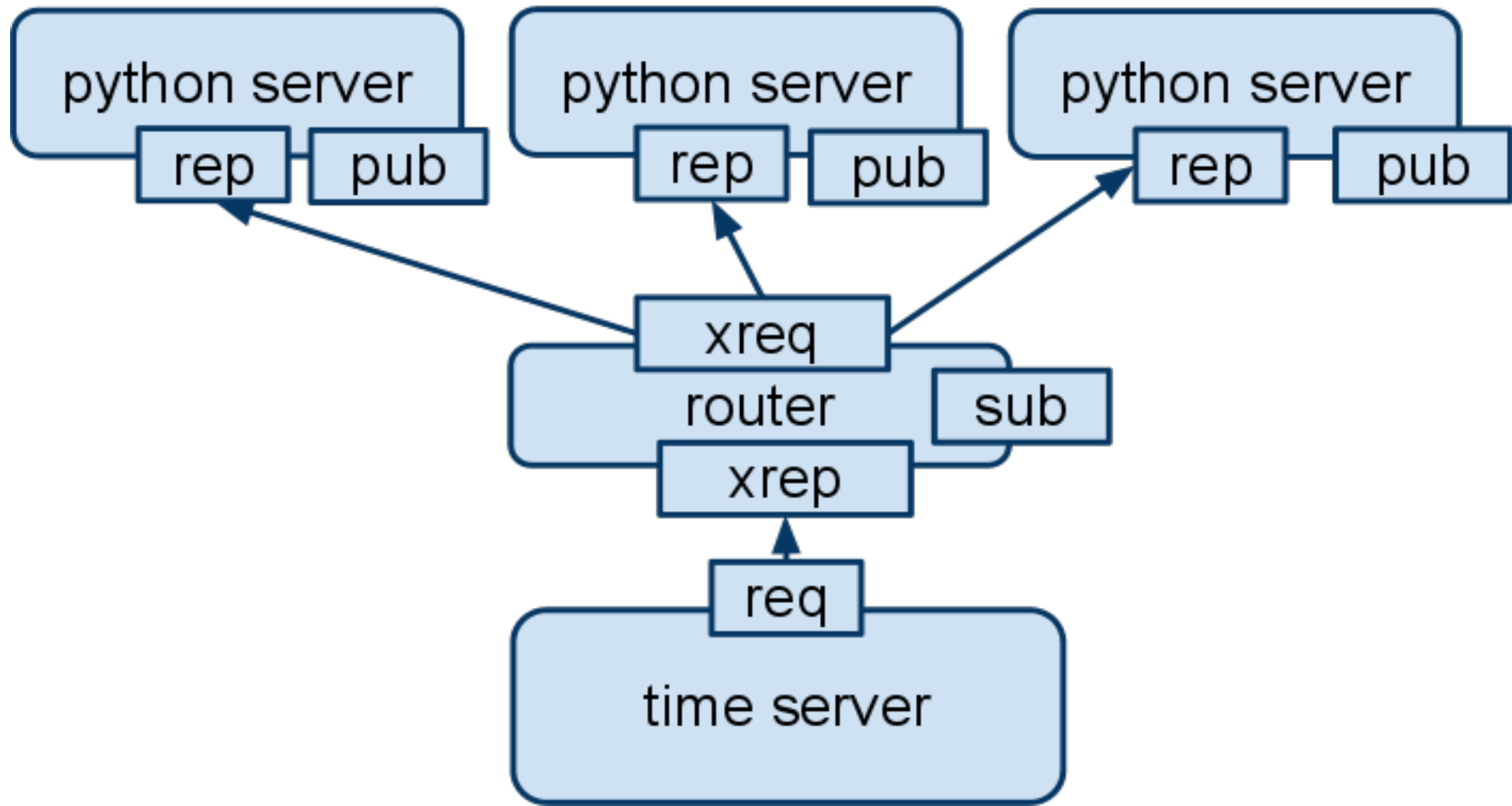
time server



router



router with admin support



and more!

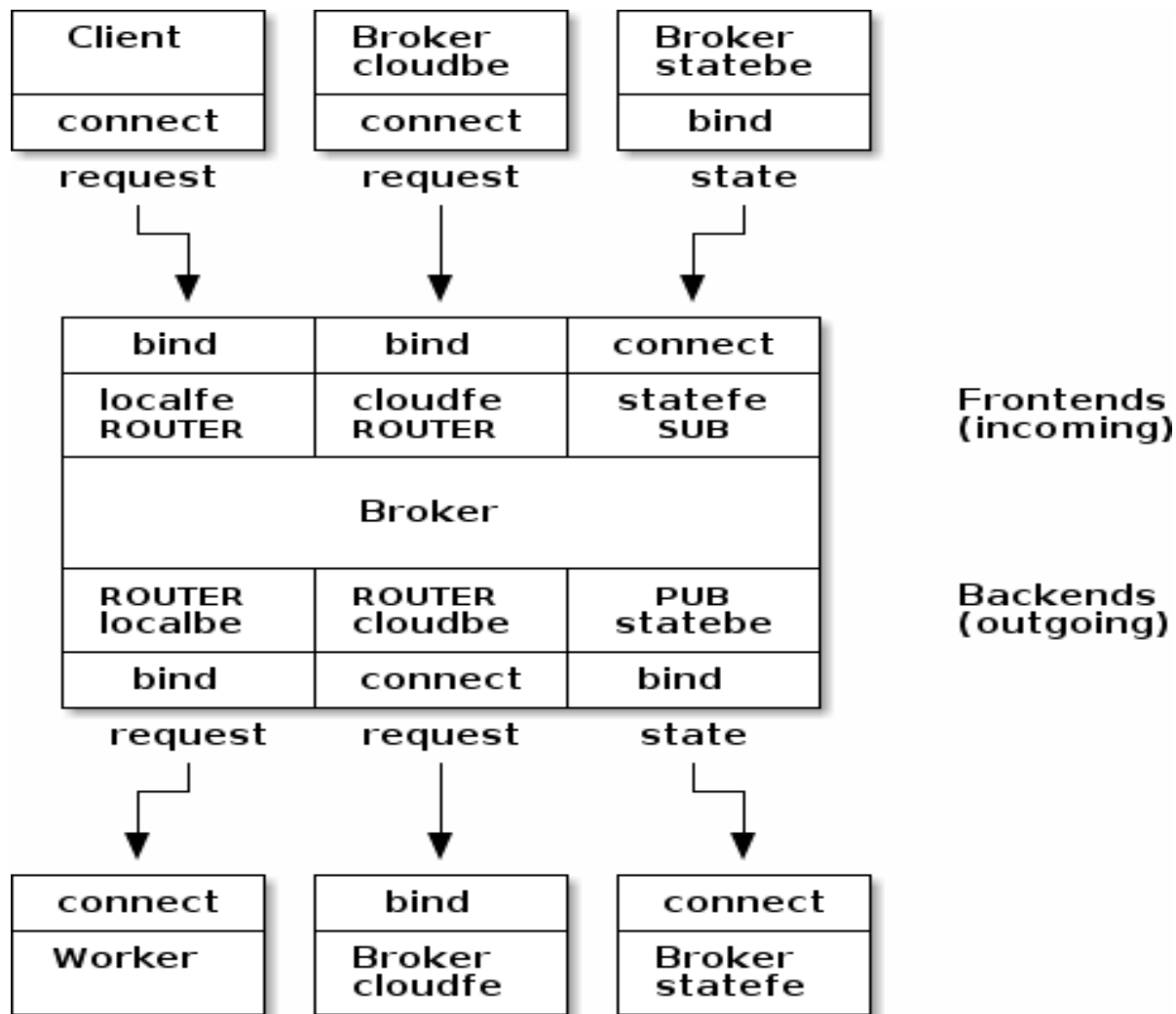


Figure 54 – Broker socket arrangement

So Long, and Thanks for All the Fish

zeromq.org

big guide about all the things in the universe:

<http://zguide.zeromq.org/page:all>

