

2 #-*-coding:utf-8-*-4 import zmq

1 #!/usr/bin/python

server:

results

PULL

Sink

ZeroMQ - 三种模型的python实现

1.Request-Reply模式:

客户端在请求后, 服务端必须回响应

Client

REQ

REP

Server

1 #!/usr/bin/python 2 #-*-coding:utf-8-*-

3 import time 4 import zmq

World

Hello

server:

ZeroMQ是一个消息队列网络库,实现网络常用技术封装。在C/S中实现了三种模式,这段时间用python简单实现了一下,感觉python虽然灵活。但是数据处理不如C++自由灵活。

```
6 context = zmq.Context()
 8 socket = context.socket(zmq.PULL)
 9 socket.bind('tcp://*:5558')
10
11 while True:
12
      data = socket.recv()
13
      print data
 work:
 1 #!/usr/bin/python
```

14

```
2 #-*-coding:utf-8-*-
 4 import zmq
 6 context = zmq.Context()
 8 recive = context.socket(zmq.PULL)
 9 recive.connect('tcp://127.0.0.1:5557')
11 sender = context.socket(zmq.PUSH)
12 sender.connect('tcp://127.0.0.1:5558')
14 while True:
15 data = recive.recv()
      sender.send(data)
client:
```

11 12 while True: data = raw_input('input your data:')

7 context = zmq.Context()

10 socket.bind('tcp://*:5557')

socket.send(data)

8 socket = context.socket(zmq.PUSH)

1 #!/usr/bin/python 2 #-*-coding:utf-8-*-

4 import zmq 5 import time

消息结构: 在每个消息buff前均会自带一个buff长度 5 H E L L D 18:20:54.112550 IP (Tos 0x0, ttl 64, id 59554, offset 0, flags [pr], proto TCP (6), length 62) 10calhost, 46374 > localhost, 5555; Flags [p.], cksum 0xfe32 (incorrect -> 0x62d8), seq 114:124, ack 112, win 342, options [nop,nop,Ts val 16607630 ecr 16601426], length 10 0x00001; 4500 003e e8a2 4000 4006 5415 7600 0001 E.>. 0.6.T 0x0010: 7600 0001 b536 1538 d558 32ce bdc8 b28
18:20:54.112550 IP (tos 0x0, ttl 64, id 59554, offset 0, flags [DF], proto TCP (6), length 62) localhost.46374 > localhost.5555: Flags [P.], cksum 0xfe32 (incorrect -> 0x62d8), seq 114:124, ack 112, win 342, options [nop,nop,TS val 16607630 ecr 16601426], length 10 0x0000: 4500 003e e8a2 4000 4006 5415 7f00 0001 E>@.@.T 0x0010: 7f00 0001 b526 15b3 d553 acce bdc8 bc388 0x0020: 8018 0156 fe32 0000 0101 0800 00fd 698ev.2i.
0x0000; 4500 003e e8a2 4000 4006 5415 7f00 0001 E.>@.@.T 0x0010: 7f00 0001 b526 15b3 d553 a2ce bdc8 bc38
localhost.555 > localhost.46374: Flags [P.], cksum 0xfe3c (incorrect -> 0xcee2), seq 112:132, ack 124, win 342, options [nop,nop,T5 val 16607630 ecr 16607630], length 20 0x0000: 7600 0001 1515 4000 4054 5058 acks 4553 acks&&8.5 0x0010: 7600 0001 1503 b526 bdc8 bc38 d553 acks&8.5 0x0020: 8018 0156 fe3c 0000 0101 080a 00fd 698ev. <i.< td=""></i.<>