RSocket

技术详解 + DEMO

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WHY RSOCKET

优雅的 RSocket

1 二进制协议

紧凑高效、机器友好

2 多路复用

高效利用单个连接

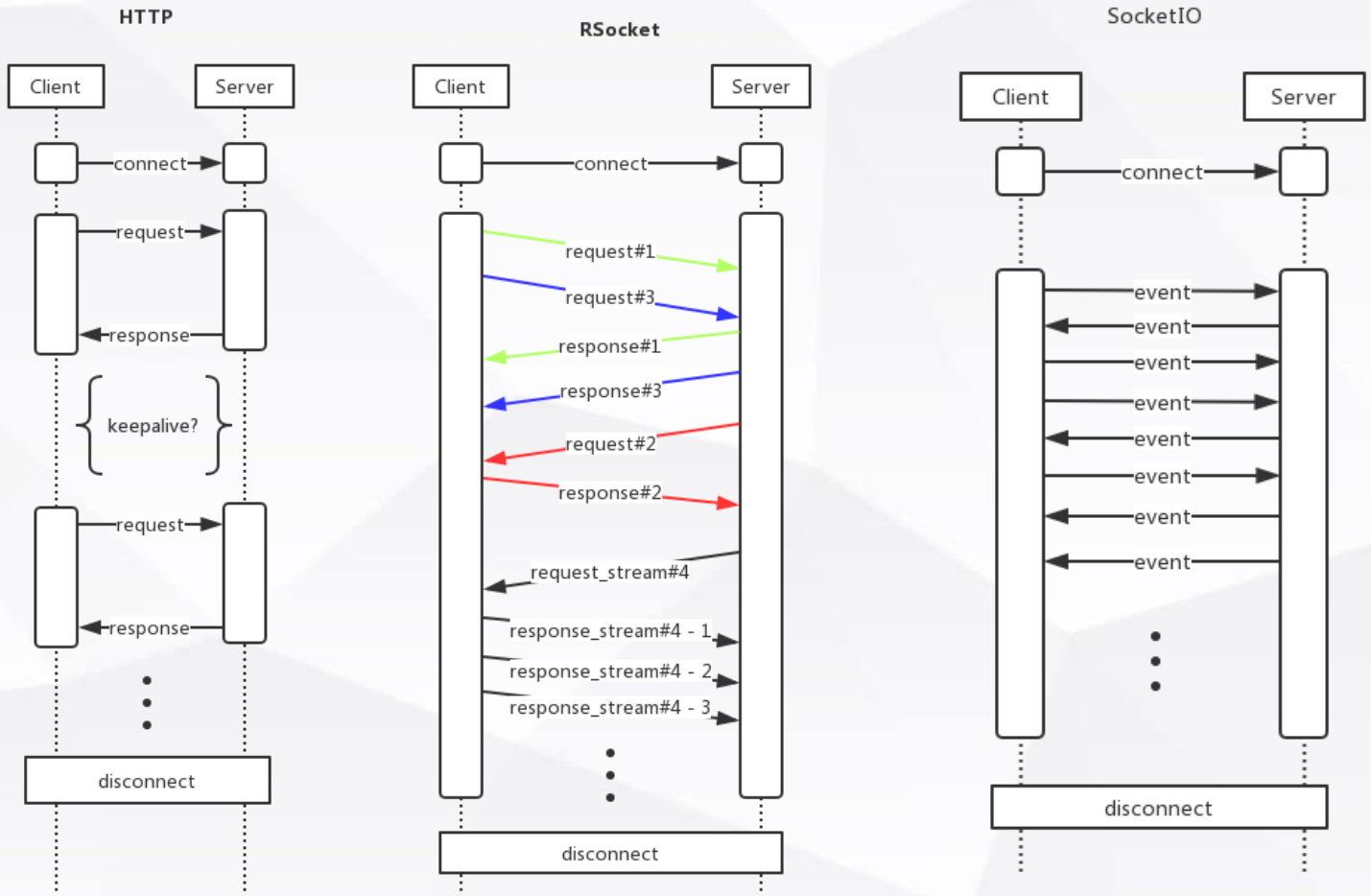
3 双向通信

忘掉Client/Server，只有Requester/Responder。

4 其他

背压、4种通讯模式、原生响应式编程、Over TCP/UDP。

VS HTTP...


HTTP
Client
Server
connect
request
response
keepalive?
request
response
disconnect
RSocket
Client
Server
connect
request#1
request#3
response#1
response#3
request#2
response#2
request_stream#4
response_stream#4 - 1
response_stream#4 - 2
response_stream#4 - 3
disconnect
SocketIO
Client
Server
connect
event
event
event
event
event
event
event
event
disconnect

CODE TIME

Echo Demo

https://gist.github.com/jjeffcaii/bdc1fd4a0548bf771949eb6923a1f051

https://gist.github.com/jjeffcaii/4520e5441c095a0879bd0998456aec45

BI-Directional Demo

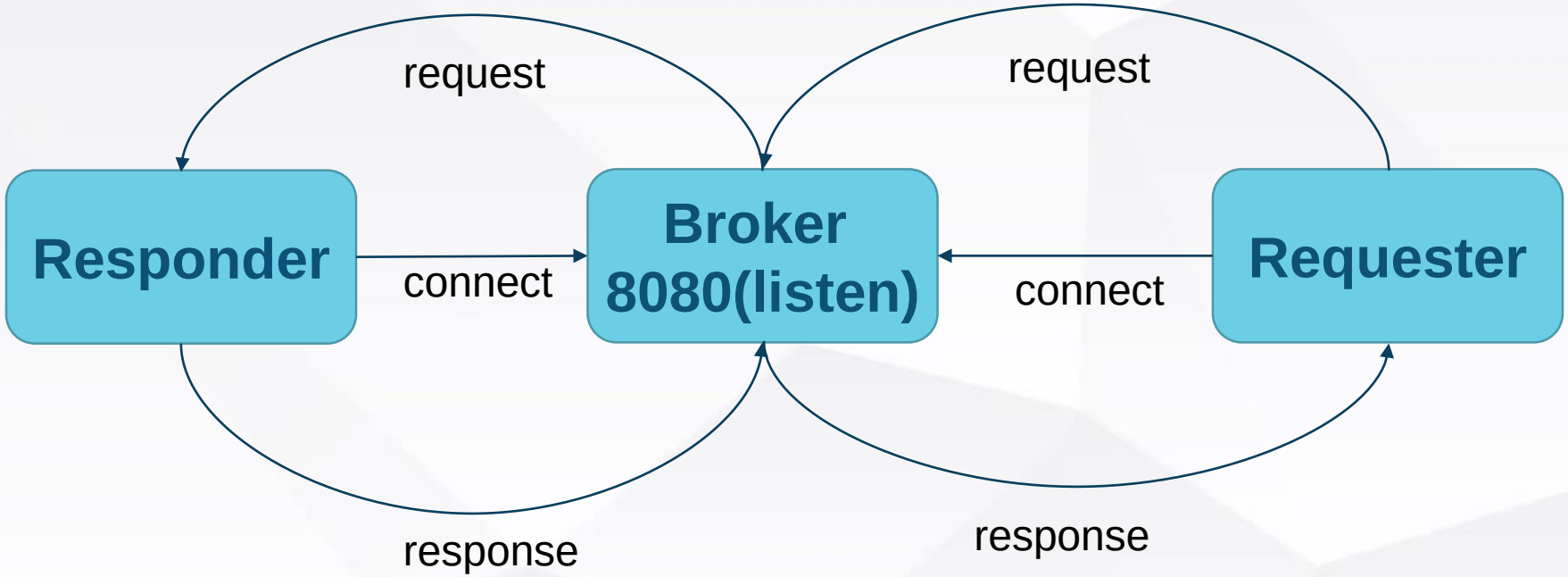
https://gist.github.com/jjeffcaii/56a1a2ea714c476e386f3e24bc0e2f22

FlowControl Demo

https://gist.github.com/jjeffcaii/30571b10eb74bf3e9b8a0ec6279e2175

ABOUT BROKER

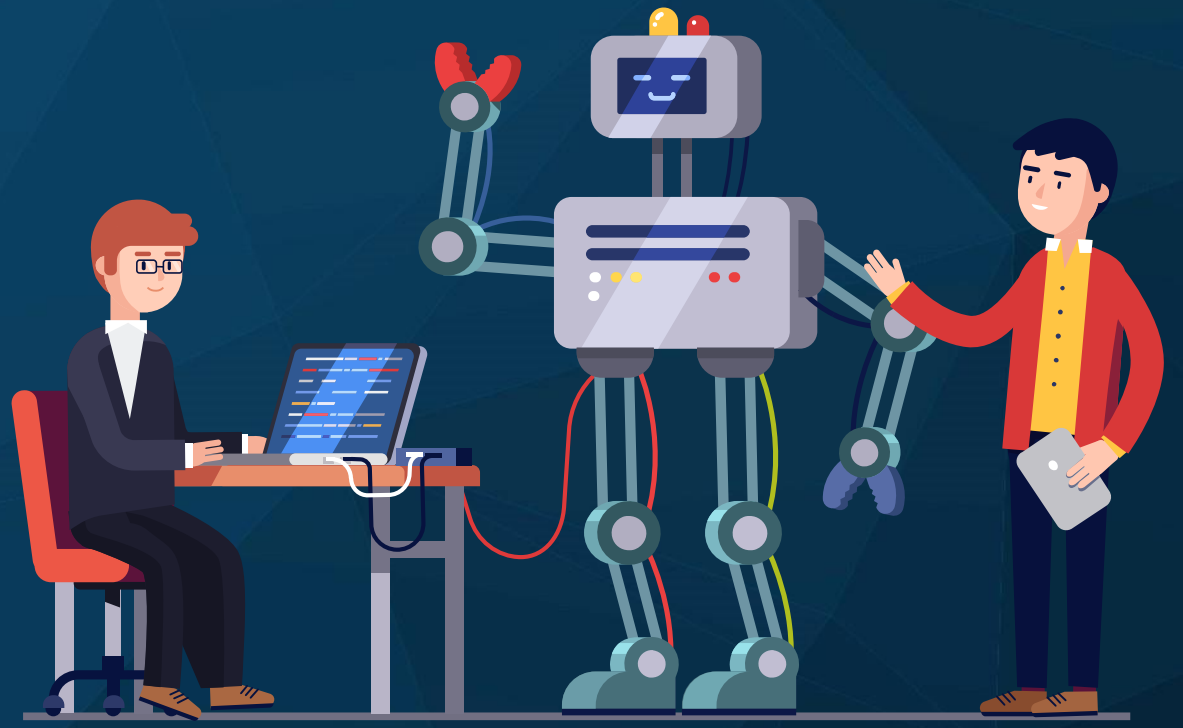
A Broker


request
request
Responder
Broker
8080(listen)
Requester
connect
connect
response
response

Time to DIY

我们现在来实现一个简易的Broker
它可以让两个浏览器远程调用对方

RSOCKET RPC



MORE PROGRAMMING LANGUAGE

现状

Stable

- JAVA
- C++
- Javascript

Beta

- Go
- C#
- Kotlin

In Progress

- Rust
- Ruby
- Python
- ...

THANKS

END

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