RABBITMQ

Bastian Aron Kramer





STANDARD MESSAGING





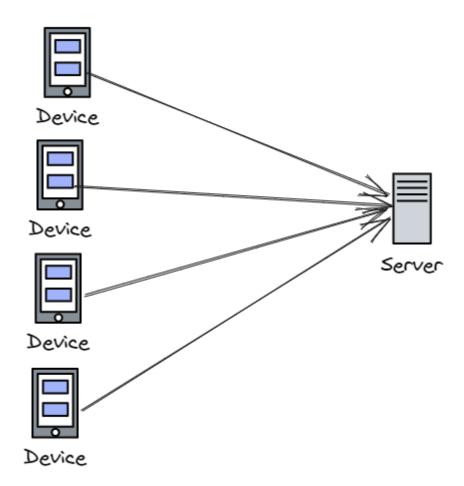


PROBLEMS WITH STANDARD MESSAGING

Not async

Not scalable

Not resilience



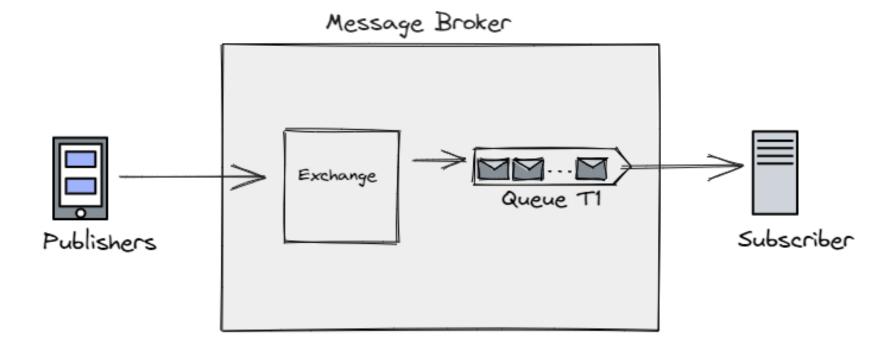




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MESSAGE BROKER RABBITMQ

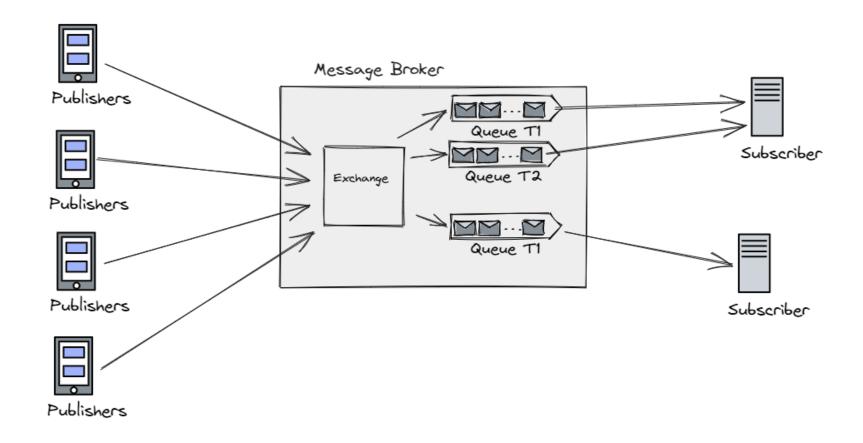
Sensor and consumer







MESSAGE BROKER RABBITMQ







NEEDED FOR RABBITMQ

Pika

RabbitMQ Broker





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PSEUDOCODE SENDER





PSEUDOCODE RECEIVER





PSEUDOCODE RECEIVER (CONT.)

```
def callback(ch, method, properties, body):
print(f" [x] Received {body}")
```





HOW IT CAN BE USED IN SIMULATION

- Real-time data in simulations
- Communication between two different co-simulations
- Communication of data to visualization programs
- Send data for storing in database





