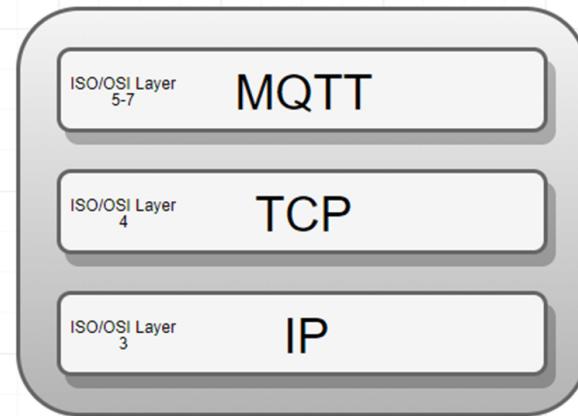
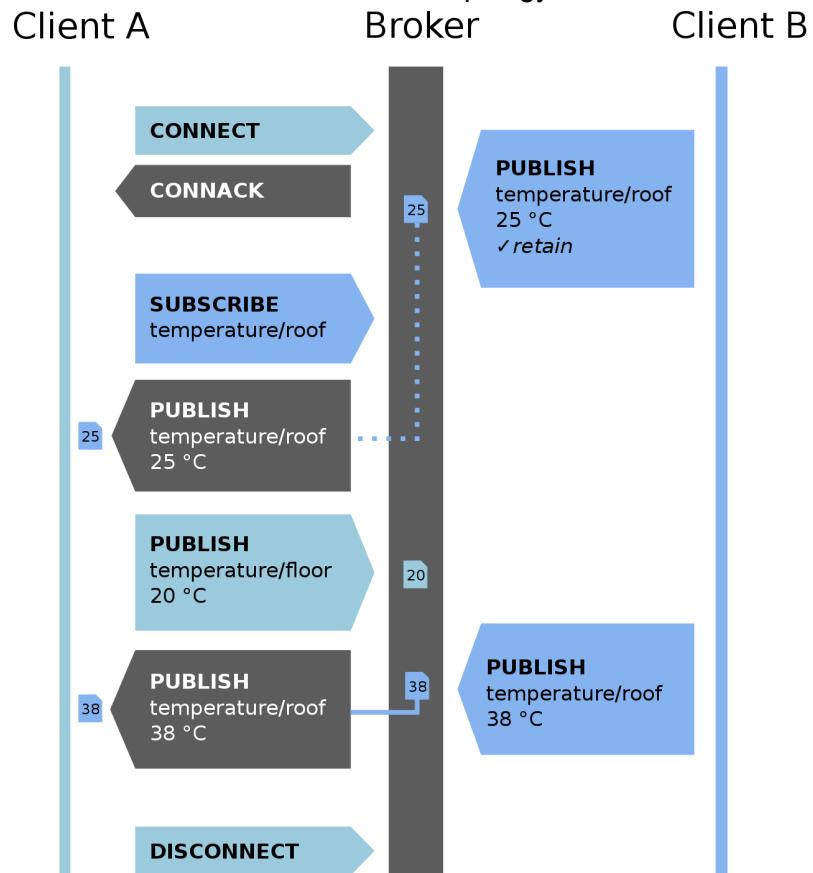


# NATS protocol testing

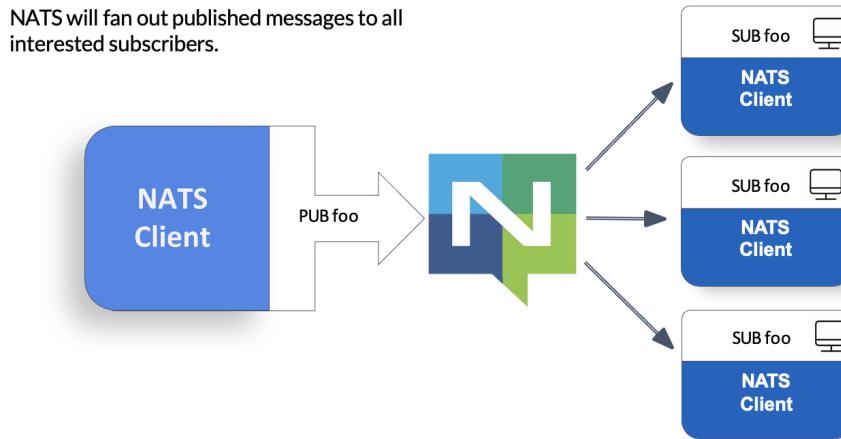
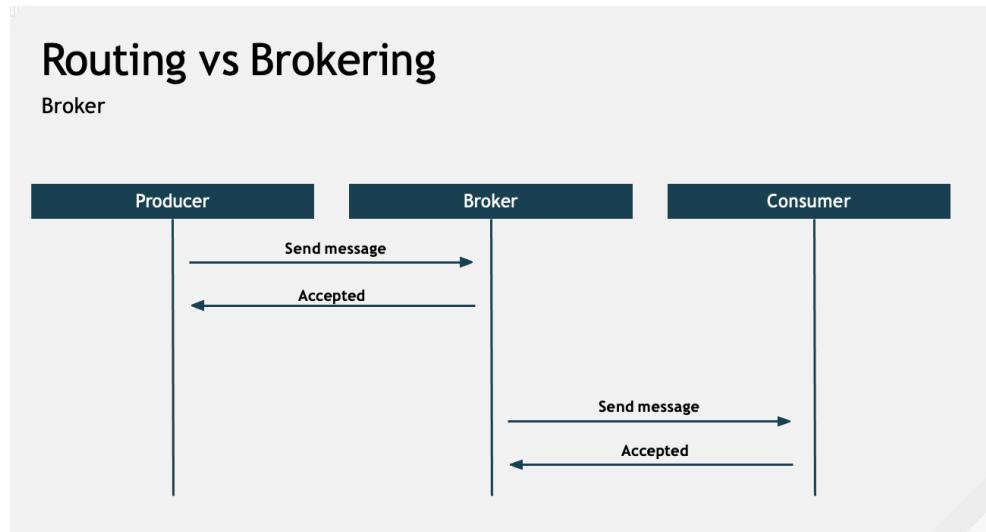
**Task:** NATS same as MQTT is protocol used for messaging between different network nodes. Almost all IoT devices are using IP protocol for communication and MQTT or NATS is running on top of IP layer



Same as MQTT, NATS can perform communication, the difference is that NATS does not have intermediate server – known as “Broker” in MQTT topology



NATS communication happens directly “Server”, “Client” way without intermediate service as MQTT Broker.



**The task aim** is to try individually run NATS server and prepare a basic NATS subscriber, publisher scheme. The following examples can be used to run NATS on Windows or Linux and

#### Python example is provided below:

1. Information how to run NATS under Linux or Windows  
[https://docs.nats.io/release-notes/whats\\_new/whats\\_new\\_210](https://docs.nats.io/release-notes/whats_new/whats_new_210)  
<https://github.com/nats-io/natscli/releases/tag/v0.1.0>
2. Try basic python example for NATS communication  
<https://natsbyexample.com/examples/messaging/pub-sub/python>
3. Prepare messaging output as summary for the work