Explore NATS Request Reply

NATS supports request reply messaging (/documentation/concepts/nats-req-rep/). In this tutorial you explore how to exchange point-to-point messages using NATS.

Prerequisites

- Set up your Go environment (/documentation/tutorials/go-install/)
- Installed the NATS server (/documentation/tutorials/gnatsd-install/)

Instructions

1. Start the NATS server.

```
gnatsd
```

2. Start two terminal sessions.

You will use these sessions to run the NATS request and reply clients.

3. Change to the examples directory.

```
cd /nats-docs/tutorials/examples/
```

4. In one terminal, run the reply client listener.

```
go run nats-rep.go
```

You should see the message `Receiver is listening`, and that the NATS receiver client is listening on the "help.please" subject. The reply client acts as a receiver, listening for message requests. In NATS, the receiver is a subscriber.

5. In the other terminal, run the request client.

```
go run nats-req.go
```

The NATS requestor client makes a request by sending the message "some message" on the "help.please" subject.

The NATS receiver client receives the message, formulates the reply ("OK, I CAN HELP!!!), and sends it to the inbox of the requester.

NATS is open-source software (https://github.com/nats-io/gnatsd), as is this site (https://github.com/nats-io/nats-site).

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