

RabbitMQ

`brew services start rabbitmq` Run this command in the terminal to start RabbitMQ server to send and receive messages

AMQP - "Advanced Message Querying Protocol"

`amqp.connect('amqp://localhost', function(error0, connection) { // ... });` This code establishes a connection to the AMQP message broker running on the local machine at the URL `amqp://localhost`.

`connection.createChannel(function(error1, channel) { // ... });` After successfully connecting to the broker, a channel is created through which communication with the broker occurs.

```
var queue = 'hello';
channel.assertQueue(queue, {
  durable: false
});
```

This code defines a queue named 'hello' and asserts its existence with specific configuration options. The durable option is set to false, which means that the queue won't survive broker restarts.

```
channel.consume(queue, function(msg) {
  console.log(" [x] Received %s", msg.content.toString());
}, {
  noAck: true
});
```

This code sets up a message consumer for the specified queue. When a message is received on the queue, the provided callback function is executed. The `noAck` option is set to true, which means that the consumer won't send acknowledgments back to the broker after receiving messages.

In summary, this code establishes a connection to an AMQP message broker, sets up a consumer for a specific queue, and logs received messages. It's a basic example of how to create a message consumer using the `amqplib` library in Node.js.