Question
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Java Gateway - How to store object in memory between calls?

Trying to connect Ensemble to RabbitMQ following this [article](#) I'm using Java Gateway and encountered the following problem - in all my calls I need to pass connection object, which is always the same but it takes a long time to create. Here's java code:

```java
package com.myorgname.rabbitmq;

import com.rabbitmq.client.ConnectionFactory;
import com.rabbitmq.client.Connection;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.QueueingConsumer;

public class Wrapper {

  public void sendMsg(String hostName, String queueName, byte[] msg) throws Exception
  {
        ConnectionFactory factory = new ConnectionFactory();
        factory.setHost(hostName);
        Connection connection = factory.newConnection();
        Channel channel = connection.createChannel();
        channel.queueDeclare(queueName, false, false, false, null);

            channel.basicPublish("", queueName, null, msg);

            channel.close();
            connection.close();

  }

    public int readMsg(String hostName, String queueName, byte[] msg) throws Exception {
        ConnectionFactory factory = new ConnectionFactory();
        factory.setHost(hostName);
        Connection connection = factory.newConnection();
        Channel channel = connection.createChannel();
        channel.queueDeclare(queueName, false, false, false, null);
        QueueingConsumer consumer = new QueueingConsumer(channel);
        channel.basicConsume(queueName, true, consumer);

        QueueingConsumer.Delivery delivery = consumer.nextDelivery();
        int len = delivery.getBody().length;
        System.arraycopy(delivery.getBody(),0,msg,0,len);

        channel.close();
        connection.close();

        return len;

    }
```

}

As you see to publish or to get a message a new connection is made each time.

I'm interested in a way to create a connection object only once and use it to send several messages. Is it possible?

#Ensemble #Interoperability #Java

Source URL:https://community.intersystems.com/post/java-gateway-how-store-object-memory-between-calls