Processo do RabbitMQ

1) baixar arquivo docker-composer.yml

aperte com o botão direito no link e clique em "salvar como link"

dentro da pasta Temp, no C: crie uma pasta Rabbit e salve este arquivo lá

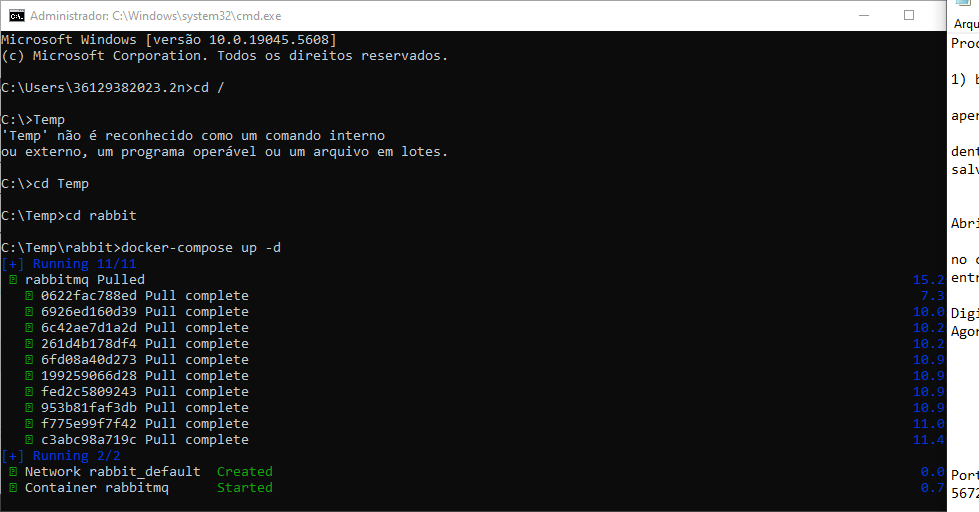
**“Abrir o Docker”**

Agora, no cmd

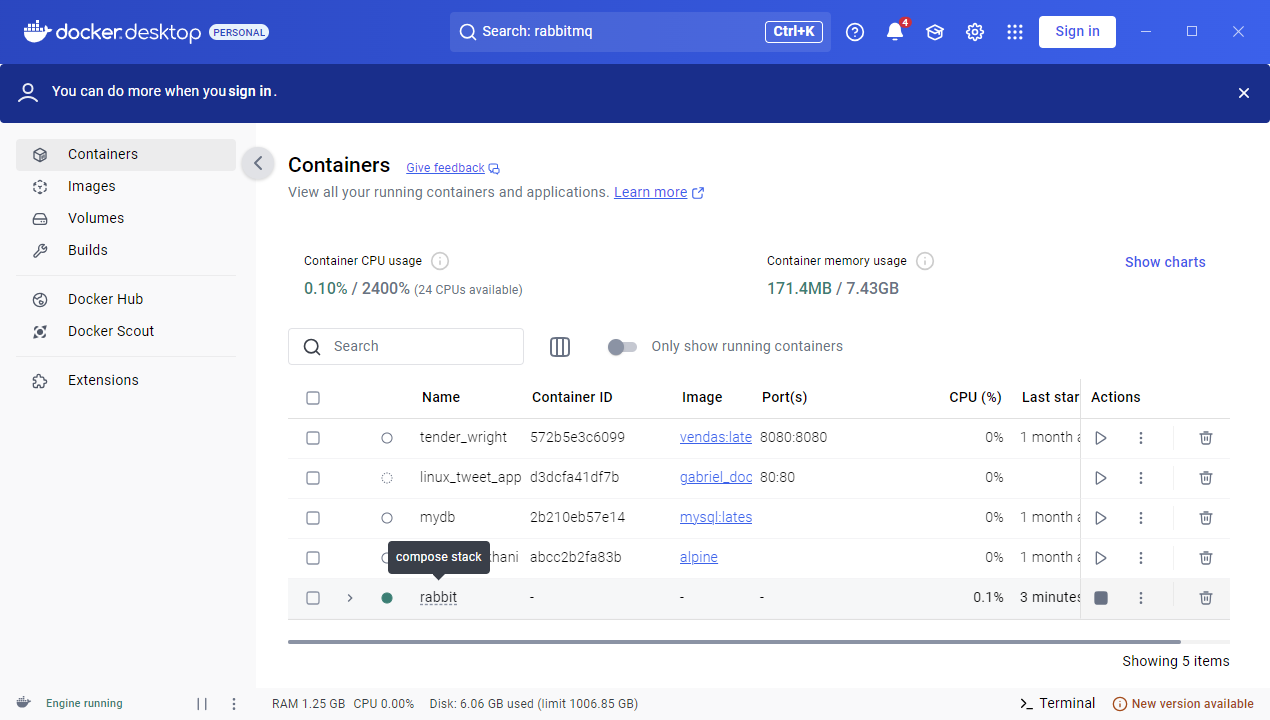
entre nesta pasta Temp\Rabbit

Digite: docker-compose up -d

Agora ele vai começar a instalar o docker-compose



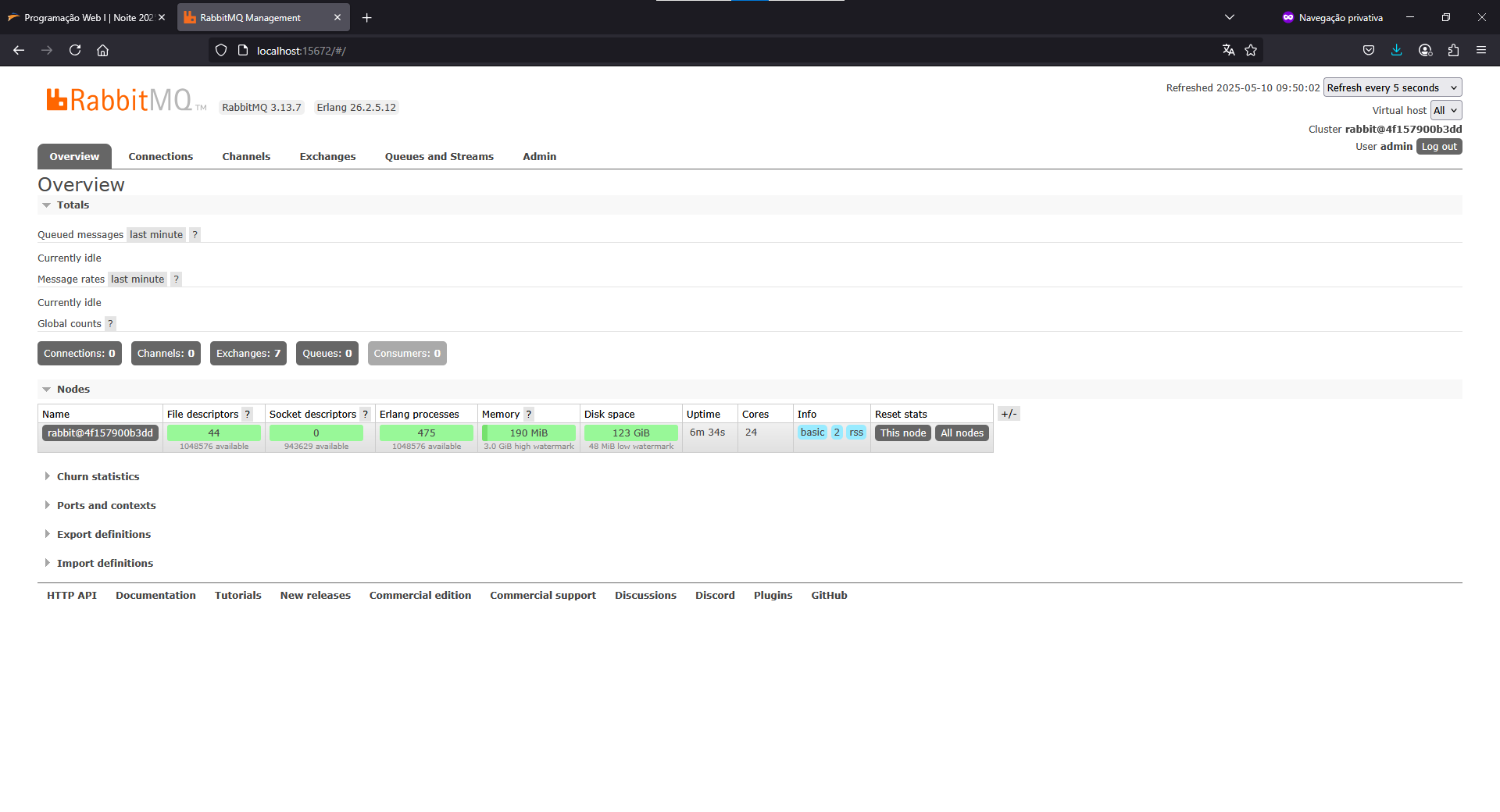
Agora no Docker vai aparecer o rabbit carregado



Agora no navegador, digite: localhost:15672 para abrir o RabbitMQ

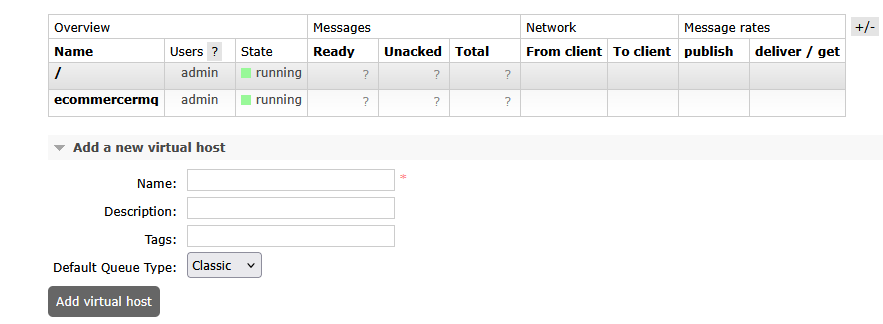
User: admin

Password: admin123



Entre em Admin

Depois em Virtual Hosts



Em “ Add a new virtual host” clique em Add virtual host e adicione

No Pom do projeto, coloque esta dependência:

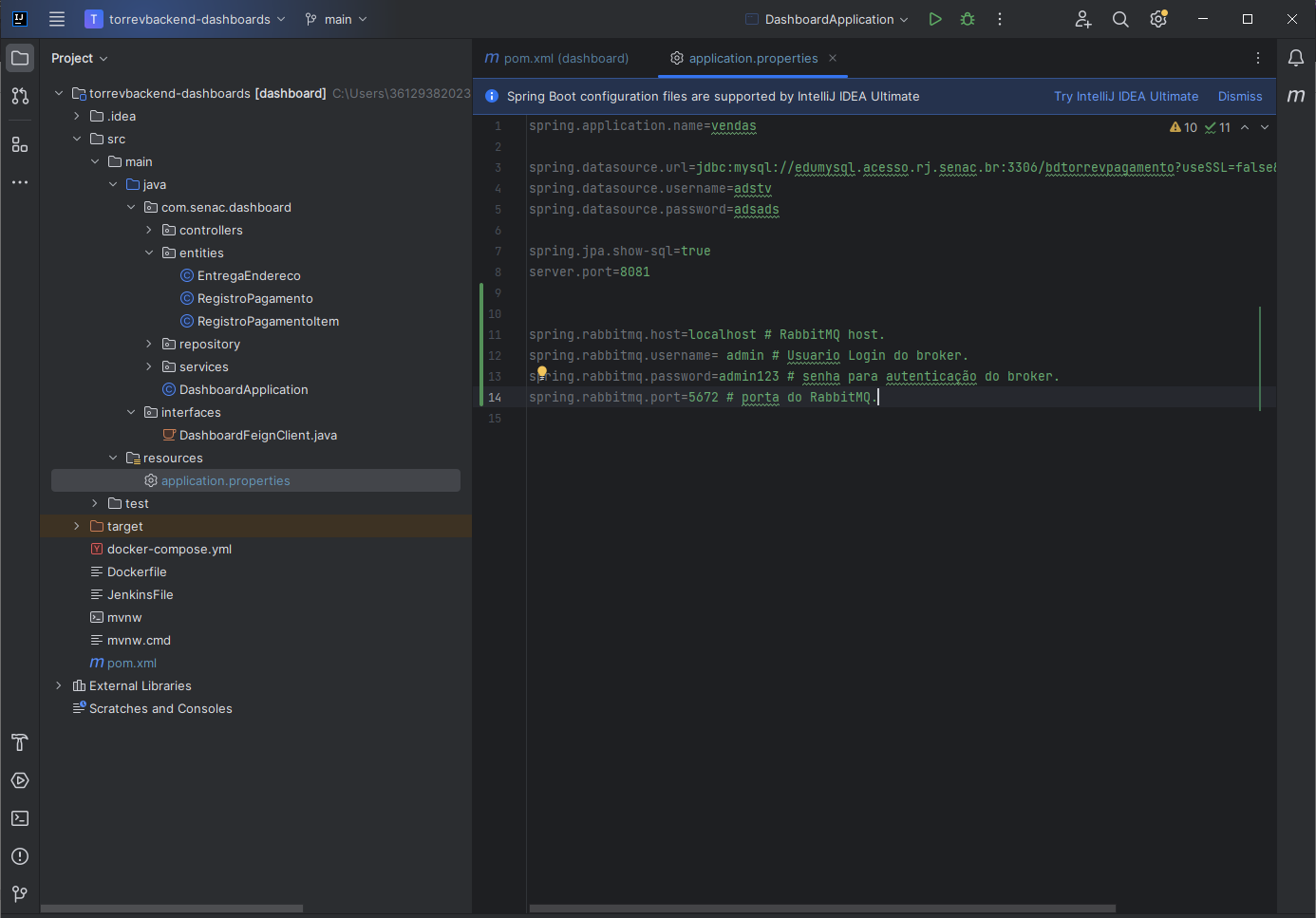
<dependency>

<groupId>org.springframework.amqp</groupId>

<artifactId>spring-rabbit</artifactId>

</dependency>

Agora no aplications.propoties



spring.rabbitmq.host=localhost # RabbitMQ host.

spring.rabbitmq.username= admin # Usuario Login do broker.

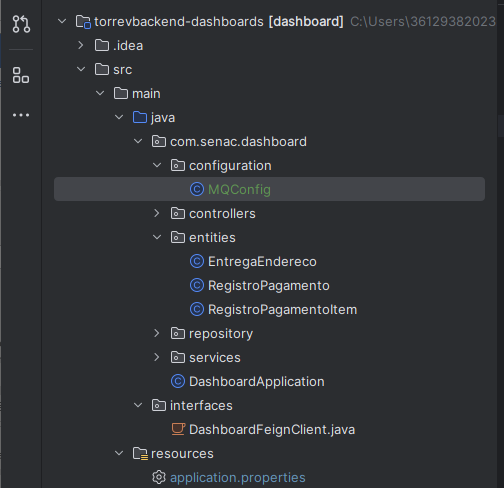
spring.rabbitmq.password=admin123 # senha para autenticação do broker.

spring.rabbitmq.port=5672 # porta do RabbitMQ.

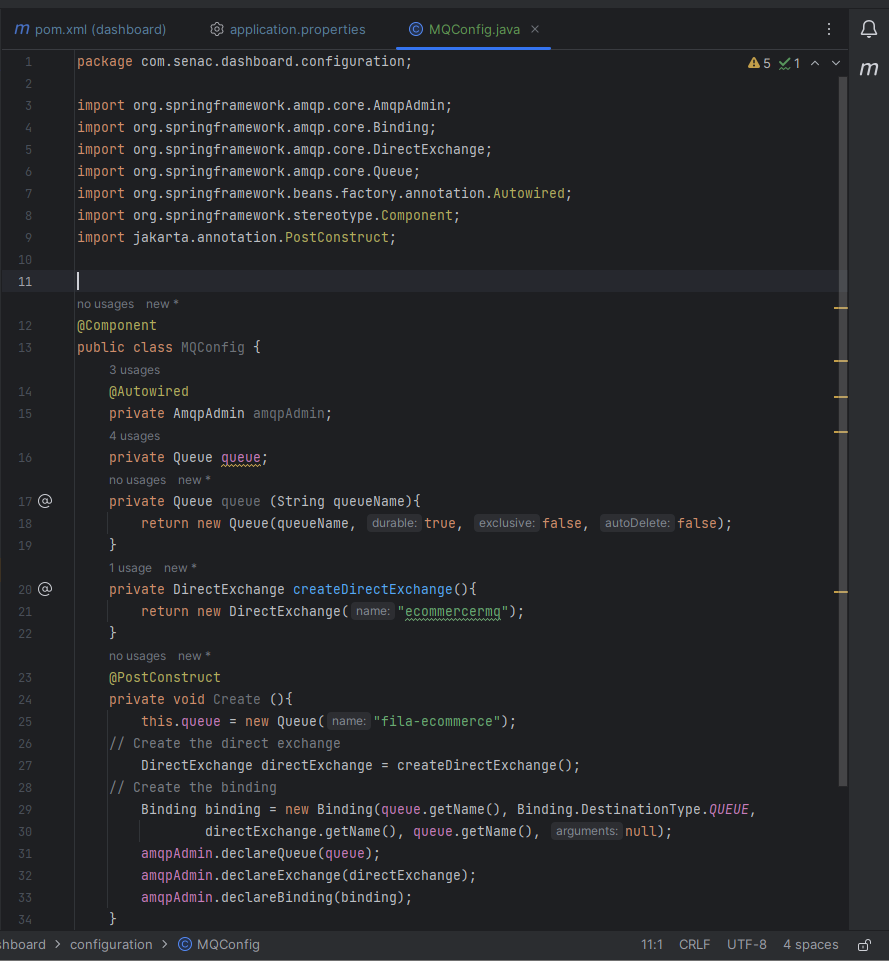
Obs: **Não coloque os comentários pois pode da erro**

Dentro da raiz crie um pacote configuration

E dpois crie uma classe -> MQConfig



Criando a fila



package com.senac.dashboard.configuration;

import org.springframework.amqp.core.AmqpAdmin;

import org.springframework.amqp.core.Binding;

import org.springframework.amqp.core.DirectExchange;

import org.springframework.amqp.core.Queue;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Component;

import jakarta.annotation.PostConstruct;

@Component

public class MQConfig {

@Autowired

private AmqpAdmin amqpAdmin;

private Queue queue;

private Queue queue (String queueName){

return new Queue(queueName, true, false, false);

}

private DirectExchange createDirectExchange(){

return new DirectExchange("ecommercermq");

}

@PostConstruct

private void Create (){

this.queue = new Queue("fila-ecommerce");

// Create the direct exchange

DirectExchange directExchange = createDirectExchange();

// Create the binding

Binding binding = new Binding(queue.getName(), Binding.DestinationType.QUEUE,

directExchange.getName(), queue.getName(), null);

amqpAdmin.declareQueue(queue);

amqpAdmin.declareExchange(directExchange);

amqpAdmin.declareBinding(binding);

}

}