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RabbitMQ Assignment

Subject: Order Processing Use Case – Email Service in Python, through a worker queue.

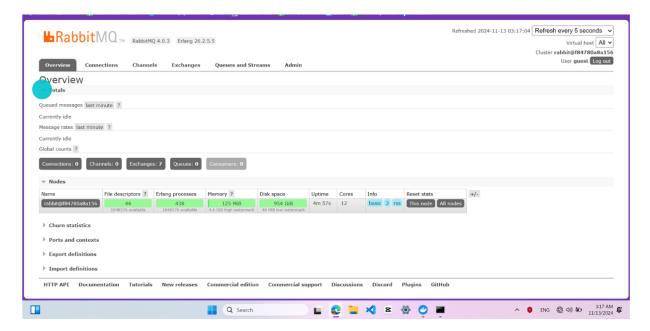
Steps followed to finish the assignment:

- 1- Download and Install Docker Desktop:
- 2- Access the cmd as admin, write the following command to install the Docker image locally on my machine:

docker run -it --rm --name rabbitmq -p 5672:5672 -p 15672:15672 rabbitmq:4.0-management

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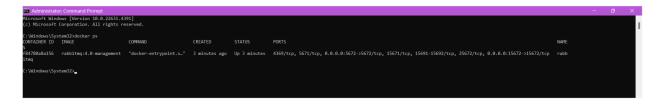
- 3- While the RabbitMQ container is running, I access the RabbitMQ management portal:
 - URL: http://localhost:15672/
 - Username: guestPassword: guest

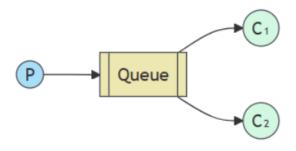


4- Install the **pika** library to use the Pika Python client and have the producer and consumer scripts ready, run them: **python producer.py** and **python consumer.py**.

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> CS-SCRIPT - ACTIVE
                     TERMINAL
                                                                  ≥ powershell + ∨ □ ··· ×
 PROBLEMS OUTPUT
                               PORTS DEBUG CONSOLE
 PS C:\Users\marylynn\Desktop\Rabbitmq-MaryLynnHayek> pip install pika
• >>
 Collecting pika
   Downloading pika-1.3.2-py3-none-any.whl.metadata (13 kB)
 Downloading pika-1.3.2-py3-none-any.whl (155 kB)
                                           - 155.4/155.4 kB 1.3 MB/s eta 0:00:00
 Installing collected packages: pika
 Successfully installed pika-1.3.2
 [notice] A new release of pip is available: 24.0 -> 24.3.1
 [notice] To update, run: python.exe -m pip install --upgrade pip
OPS C:\Users\marylynn\Desktop\Rabbitmq-MaryLynnHayek>
```

5- Since we want 3 workers, we open additional cmd windows and run the consumer script.





After running the scripts, we can view the queue and other useful metrics from the RabbitMQ portal in the screenshots attached below:

