SIMPLE QUEUEING MODEL WITH RABBIT-MQ

Pulling the RabbitMQ Docker Image

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Arun\Desktop> docker pull rabbitmq:3-management
3-management: Pulling from library/rabbitmq
a8b1c5f80c2d: Already exists
4dedb6d843e5: Pull complete
5c1196c9f9ff: Pull complete
89aa66202de9: Pull complete
89aa66202de9: Pull complete
7482e2b5f1fd: Pull complete
5c8608f82ef5: Pull complete
5c8608f82ef5: Pull complete
140f90715040: Pull complete
53c7a9878ba6: Pull complete
53c7a98
```

Runing the RabbitMQ Container

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

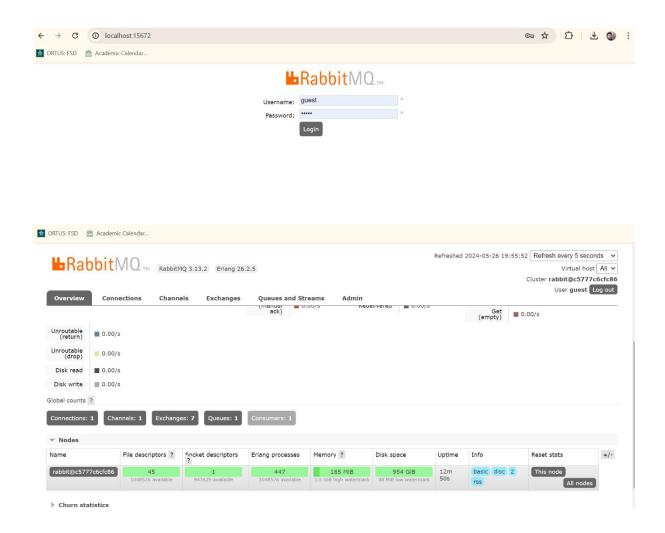
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Arun\Desktop> docker pull rabbitmq:3-management
3-management: Pulling from library/rabbitmq
a8blc5f80c2d: Already exists
4dedb6d843e5: Pull complete
5c1196c9f92f: Pull complete
89aa66202de9: Pull complete
49aa66202de9: Pull complete
cae0f9147f71: Pull complete
5e8608f82ef5: Pull complete
5e8608f82ef5: Pull complete
140f90715040: Pull complete
140f90715040: Pull complete
Digest: sha256:eee9afbc17c32424ba6309dfd2d9efc9b9b1863ffe231b3d2be2815758b0d649
Status: Downloaded newer image for rabbitmq:3-management
docker.io/library/rabbitmq:3-management

What's Next?

View a summary of image vulnerabilities and recommendations → docker scout quickview rabbitmq:3-management
PS C:\Users\Arun\Desktop> docker run -d ---name rabbitmq -p 5672:5672 -p 15672:15672 rabbitmq:3-management
PS C:\Users\Arun\Desktop> |
```

Access RabbitMQ Management Console



Create a Python Script for the Producer and consumer

```
producer
                                    consumer
                                                                    +
File
      Edit
            View
import pika
def callback(ch, method, properties, body):
    print(" [x] Received %r" % body)
connection = pika.BlockingConnection(pika.ConnectionParameters('localhost'))
channel = connection.channel()
channel.queue_declare(queue='hello')
channel.basic_consume(queue='hello',
                       on_message_callback=callback,
                       auto_ack=True)
print(' [*] Waiting for messages. To exit press CTRL+C')
channel.start_consuming()
```

Run the Producer, Consumer and Validate, Verify message

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\Arun\Desktop>
PS C:\Users\Arun\Desktop> python producer.py
[x] Sent 'Hello, RabbitMQ!'
PS C:\Users\Arun\Desktop>
```

```
Windows PowerShell

Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Arun\Desktop> python consumer.py

[*] Waiting for messages. To exit press CTRL+C

[x] Received b'Hello, RabbitMQ!'
```

