Install RabbitMQ

The following instructions are broken up into 2 sections
Section 1: Are the instructions for installing RabbitMQ for Mac/OSX
Section 2: Are the instructions for installing RabbitMQ for Windows
Select the section for the operating system of your laptop.

Note: This is unnecessary on Cloud Foundry. The Operator for the foundation has already installed Spring Cloud Dataflow, which includes the installation of all the required services. This only applies for local execution of the labs as we'll see in lab1.

Section 1: Install RabbitMQ with docker

```
docker run -d --hostname my-rabbit --name some-rabbit -p 15672:15672 -p 5672:5672
rabbitmq:3-management
```

```
Or run the script in the <FOLDER>/pad-scdf-workshop/labs/install-rabbit.sh
```

```
./install-rabbit.sh
```

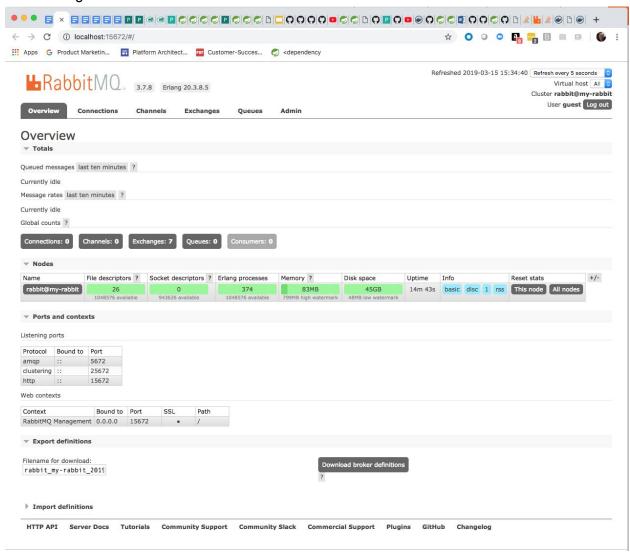Which saves the typing in of the docker run command.

Section 2: Install RabbitMQ For Mac

1. If using homebrew:
    a. From a shell prompt execute brew install rabbitmq
    b. Now let's start the RabbitMQ
        i.   brew services start rabbitmq
    c. To install the RabbitMQ UI
        i.   From the /usr/local/Cellar/rabbitmq/3..7.8/sbin/rabbitmq_server-3.7.8/sbin directory execute the following:
        ii.   rabbitmq-plugins enable rabbitmq_management
        iii. Jump to the end of the Mac install section for accessing the admin page:

2. -OR- Manually install RabbitMQ
    a. Download RabbitMQ from here
    b. Copy the tarball to a location on your local machine
    c. Unzip the tarball tar -xvf rabbitmq-server-mac-standalone-3.7.8.tar.xz
    d. Now let's start the RabbitMQ server
        i.   i. cd <Folder>rabbitmq_server-3.7.8/sbin

        ii.   ./rabbitmq-server -detached
    e. To install the RabbitMQ UI
        i.   From the rabbitmq_server-3.7.8/sbin directory execute the following:
        ii.   rabbitmq-plugins enable rabbitmq_management

Now go to your browser and enter:
3. http://localhost:15672
4. Login Username: guest
5. Password: guest

Install RabbitMQ For Windows (this section is unvetted)

1. Install Erlang
   a. Download and run Erlang Windows Binary File .
   b. (if windows asks, "Do you want to allow this app from an unknown publisher to make changes to your device") Click the "Yes" button.
   c. Click Next button through the options (should be 2)
   d. Click Install button
   e. Click Finish button
2. Install Rabbit MQ
   a. Download and run rabbit-server-3.6.6.exe
   b. (if windows asks, "Do you want to allow this app from an unknown publisher to make changes to your device") Click the "Yes" button.
   c. Click Next button through the options (should be 2)
   d. Click Finish button
   e. Start RabbitMQ
      i. Now from the Windows Start Button
      ii. Go to the RabbitMQ Server Group
      iii. Select RabbitMQ Service - start
3. Install RabbitMQ UI
   a. If you would like to view the queues in RabbitMQ created by Spring Cloud Data Flow
   b. cd c:\Program Files\RabbitMQ Server\rabbitmq_server-3.6.6\sbin
   c. rabbitmq-plugins enable rabbitmq_management
   d. Now go to your browser and enter:
      i. http://localhost:15672
      ii. Login Username: guest
      iii. Password: guest