How to Install a Docker Image(RabbitMQ) on Ubuntu Host

1. Installing ubuntu image:

$ sudo docker pull Ubuntu

Verify by getting into bash

$ sudo docker run –i –t ubuntu /bin/bash

That shall get the bash loaded with # prompt

root@329382093832:# exit

1. installing rabbitMQ docker image:

$sudo docker pull rabbitmq

How to use this image Running the daemon

One of the important things to note about RabbitMQ is that it stores data based on what it calls the "Node Name", which defaults to the hostname. What this means for usage in Docker is that we should specify -h/--hostname explicitly for each daemon so that we don't get a random hostname and can keep track of our data:

$ docker run -d --hostname my-rabbit --name some-rabbit rabbitmq:3

If you give that a minute, then do

$ docker logs some-rabbit

you'll see in the output a block similar to:

=INFO REPORT==== 6-Jul-2015::20:47:02 ===

node : rabbit@my-rabbit

home dir : /var/lib/rabbitmq

config file(s) : /etc/rabbitmq/rabbitmq.config

cookie hash : UoNOcDhfxW9uoZ92wh6BjA==

log : tty

sasl log : tty

database dir : /var/lib/rabbitmq/mnesia/rabbit@my-rabbit

**References:**

[*https://hub.docker.com/\_/rabbitmq/*](https://hub.docker.com/_/rabbitmq/)

**P.S.**

Command to get into the BASH command-line of Docker container:

$ sudo docker exec -i -t <containerID> bash

Now, In order to get the IP of the docker container from bash:

root@my-rabbit:/# ip add | grep global

output shall be something like:



Also, from Ubuntu host, following command gives detailed information about container including the IPs and port mappings…

$ sudo docker inspect <containerID>