Prerequisite:  
Prometheus docker, Grafana docker  
  
after having the dockers   
  
to run Prometheus docker with custom prometheus.yml:  
sudo docker run -p 9090:9090 --name prometheus -v /home/omer/softwares/prometheus.yml:/etc/prometheus/prometheus.yml prom/Prometheus

Prometheus.yml example:  
global:

scrape\_interval: 15s

scrape\_configs:

- job\_name: 'rabbitmq'

static\_configs:

- targets: ['localhost:15692']  
**IMPORTANT –** instead of localhost use the Ip of the machine that rabbit is running on!!!!!!

To view the Prometheus ui:  
enter http://localhost:9090/  
to see the status of the metrics go to status/Targets

to run Grafana docker:

docker run -d --name=grafana -p 3000:3000 grafana/grafana

**To run both dockers on the same network:**  
crate network: docker network create grafana-prometheus  
add to docker run: --network grafana-prometheus --network-alias prometheus

Than in Grafana use the Prometheus alias instead of ip.

To start or stop the docker:  
docker start/stop docker\_name

To view all dockers:

docker ps -a

view docker datailes (including network):

docker inspect container\_name

**Use the Grafana dashboard:**  
navigate to: <http://localhost:3000/dashboards>  
Use admin for both username and password.  
Connect Prometheus to Grafana:  
in the Grafana ui go to Connections/Data sources and click “add data source” button and choose Prometheus.  
enter the server url(use the prometheus docker ip example: http://172.17.0.2:9090)  
Now choose Dashboards new and import.  
from https://grafana.com/grafana/dashboards/10991-rabbitmq-overview/   
download json and in Grafana paste the json and click load.  
choose the RabbitMQ Overview  
use the json in the new Grafana dashboard and choose the Prometheus data source.

Health indicators:  
the panels have 3 colors to capture metric states:

* **Green** means the value of the metric is within a healthy range
* **Blue** means under-utilisation or some form of degradation
* **Red** means the value of the metric is below or above the range that is considered healthy

לסטטוסים הללו יש ערכים דיפולטיבים אשר ניתנים לשינוי ולא בהכרח מתאימים לכל מערכת.

ייתרונות:  
מעקב אחרי ההודעות הנשלחות דרך rabbit ומציאת בעיות.  
ניתן לראות מידע לגבי nodes, consumers, publishers, messages(in various states) .