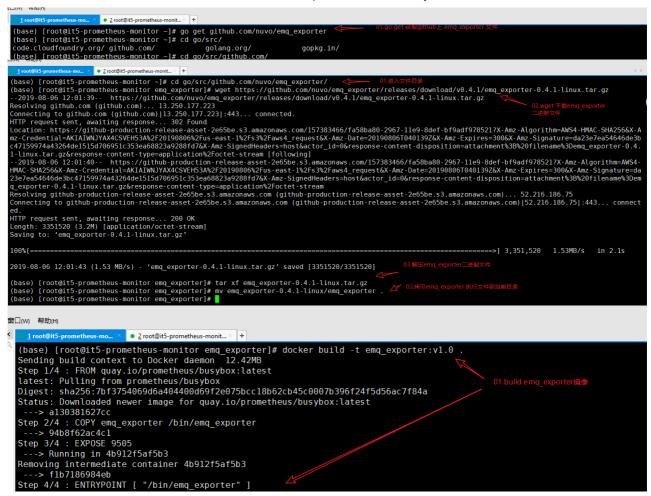
07.emqx容器部署

一、自建镜像

```
go get github.com/nuvo/emq_exporter
cd /root/go/src/github.com/nuvo/emq_exporter

wget https://github.com/nuvo/emq_exporter/releases/download/v0.4.1/emq_exporter-0.4.
1-linux.tar.gz
tar xf emq_exporter-0.4.1-linux.tar.gz
mv emq_exporter-0.4.1-linux/emq_exporter .

docker build -t emq_exporter:v1.0 .
```



```
---> Running in e40de9722cf1
Removing intermediate container e40de9722cf1
 ---> 5d2183547283
Successfully built 5d2183547283
Successfully tagged emq_exporter:v1.0
(base) [root@it5-prometheus-monitor emq exporter]#
(base) [root@it5-prometheus-monitor emg exporter]# docker images
REPOSITORY
                                      TAG
                                                         IMAGE ID
                                                                            CREATED
                                                                                               SIZE
                                      v1.0
                                                                                               11.5MB
emg exporter
                                                         5d2183547283
                                                                            56 seconds ago
```

二、添加emq-exporter的配置

```
mkdir -pv /data/emq_exporter/
vim /data/emq_exporter/auth.json
{
    "username": "754389cf20963",
    "password": "Mjg4NTkzNTUzNDQyNTIyMzU00DUxOTI5NTMyNDQyMjE0NDA"
}
chmod -R 777 /data
```

```
1 root@it5-prometheus-mo...* ● 2 root@it5-prometheus-monit...* +

(base) [root@it5-prometheus-monitor emq_exporter]# mkdir -pv /data/emq_exporter/ 01.创建emq_exorter本地数据挂载目录 mkdir: created directory '/data/emq_exporter/'
(base) [root@it5-prometheus-monitor emq_exporter]# vim /data/emq_exporter/auth.json 02.配置emq从证文件
(base) [root@it5-prometheus-monitor emq_exporter]# chmod -R 777 /data
(base) [root@it5-prometheus-monitor emq_exporter]# 03.授权数据挂载目录权限
```

三、启动emq-exporter的监控节点

```
docker run -d \
-p 9540:9540 \
--name emq-exporter-banna \
-v /data/emq_exporter/auth.json:/etc/emq/auth.json \
emq_exporter:v1.0 \
--emq.uri "http://10.101.1.5:8080" \
--emq.node "db-monitor@127.0.0.1" \
--emq.api-version "v3" \
--emq.creds-file "/etc/emq/auth.json"
```

```
    2 root@it5-prometheus-monit... × +

 (base) [root@it5-prometheus-monitor emg exporter]# docker run -d \
  --name emq-exporter-banna \
  > -v /data/emg exporter/auth.json:/etc/emg/auth.json \
  > emq exporter:v1.0 \
  --emq.uri "http://10.101.1.5:8080" \
  --emq.node "56cbcb907dbb@172.17.0.5" \
  > --emq.api-version "v3" \
  --emg.creds-file "/etc/emg/auth.ison"
 7d852b04050e40b160e8d126d64496bb67b93aed07fd06fe1a7377d74c1e2b93
  (base) [root@it5-prometheus-monitor emq exporter]# docker ps -a
                    IMAGE
                                                                   CREATED
                                                                                      STATUS
 CONTAINER ID
                                            COMMAND
                                                                                                              PORTS
                                                                                               NAMES
 7d852b04050e
                    emq exporter:v1.0
                                            "/bin/emq exporter -..." 2 seconds ago
                                                                                                              9505/tcp, 0.0.0.0:9540->9540/tcp
                                                                                      Up 1 second
                                                                                               emg-exporter-banna
 56cbcb907dbb
                    emax/emax:v3.2.1
                                            "/usr/bin/docker-ent..." 2 minutes ago
                                                                                                              4369/tcp, 5369/tcp, 6369/tcp, 8083-8084/
                                                                                      Up 2 minutes
 tcp, 8883/tcp, 0.0.0.0:1883->1883/tcp, 0.0.0.0:18083->18083/tcp, 11883/tcp, 0.0.0.0:8081->8080/tcp emgx-banna
 cfbfd9db2bdc
                    google/cadvisor:v0.33.0 "/usr/bin/cadvisor -..." 50 minutes ago
                                                                                      Up 50 minutes (healthy) 0.0.0.0:8080->8080/tcp
                                                                                               cadvisor
 eab7ea4d4386
                    node exporter:v1.0
                                            "/bin/node exporter ..." 57 minutes ago
                                                                                      Up 57 minutes
                                                                                               node-exporter-banna
 7b1eaad919ad
                    grafana:v1.0
                                            "/run.sh"
                                                                                                              0.0.0.0:3000->3000/tcp
                                                                   About an hour ago
                                                                                      Up About an hour
                                                                                               grafana-banna
 a5bff6e983d7
                    alertmanger:v1.0
                                            "/bin/alertmanager -..." 2 hours ago
                                                                                      Up 2 hours
                                                                                                              0.0.0.0:9093->9093/tcp
                                                                                               alertmanger-banna
 7e93c5c0103f
                    prometheus:v1.0
                                            "/bin/prometheus --c..." 16 hours ago
                                                                                      Up 16 hours
                                                                                               prometheus-banna
  (base) [root@it5-prometheus-monitor emg exporter]#
(base) [root@it5-prometheus-monitor emg exporter]# docker logs --tail 100 -f 7d852b04050e
time="2019-08-06T04:15:13Z" level=info msg="Loading authentication credentials" source="emq exporter,go:180<sup>81</sup>.直看e
time="2019-08-06T04:15:13Z" level=info msg="Starting emq exporter" source="emq exporter.go:187"
time="2019-08-06T04:15:13Z" level=info msg="Version v0.4.1 (git-09cd6c3)" source="emg exporter go:188"
time="2019-08-06T04:15:13Z" level=info msg="Listening on :9540" source="emg exporter.go:196"

    2 root@it5-prometheus-monit... × +

  1 root@it5-prometheus-mo... >
 promhttp metric handler requests total{code="503"} 0
  (base) [root@it5-prometheus-monitor emg exporter]#
  (base) [root@it5-prometheus-monitor emq exporter]#
  (base) [root@it5-prometheus-monitor emg exporter]# curl http://localhost:9540/metrics|more
 # HELP emg exporter total scrapes Current total scrapes.
 # TYPE emq exporter total scrapes counter
 ema exporter total scrapes 2
```

```
# HELP emq up Was the last scrape of EMQ successful
# TYPE emg up gauge
emq up 0
# HELP go gc duration seconds A summary of the GC invocation durations.
# TYPE go gc duration seconds summary
go gc duration seconds{quantile="0"} 0
go gc duration seconds{quantile="0.25"} 0
go gc duration seconds{quantile="0.5"} 0
go gc duration seconds{quantile="0.75"} 0
go gc duration seconds{guantile="1"} 0
go gc duration seconds sum 0
go gc duration seconds count 0
# HELP go goroutines Number of goroutines that currently exist.
# TYPE go goroutines gauge
go goroutines 6
# HELP go info Information about the Go environment.
# TYPE go info gauge
go info{version="go1.11.5"} 1
# HELP go memstats alloc bytes Number of bytes allocated and still in use.
# TYPE go memstats alloc bytes gauge
go memstats alloc bytes 764520
# HELP go memstats alloc bytes total Total number of bytes allocated, even if freed.
# TYPE go memstats alloc bytes total counter
go_memstats_alloc_bytes_total_764520
# HELP go_memstats_buck_hash_sys_bytes Number of bytes used by the profiling bucket hash table.
# TYPE go memstats buck hash sys bytes gauge
go memstats buck hash sys bytes 1.443263e+06
# HELP go memstats frees total Total number of frees.
```