

docker 安装 RocketMq

1.0 查找我们需要的镜像

//命令

```
docker search rocketmq
```

docker没有官方镜像 我们选一个较好的

```
[root@iZ2zeicuzly3aab0aaql0Z conf]# docker search rocketmq
NAME                                DESCRIPTION                                STARS                                OFFICIAL                                AUTOMATED
rocketmqinc/rocketmq               Image repository for Apache RocketMQ      37                                  [OK]
foxiswho/rocketmq                  rocketmq                                    30
styletang/rocketmq-console-ng      rocketmq-console-ng                       29
apacherocketmq/rocketmq            Docker Image for Apache RocketMQ          12
laoyumi/rocketmq                   rocketmq                                    10
rocketmqinc/rocketmq-broker        Customized RocketMQ Broker Image for RocketMQ 5
xlxwh/rocketmq                     alibaba's rocketmq                        4
rocketmqinc/rocketmq-namesrv       Customized RocketMQ Name Server Image for RocketMQ 4
huanwei/rocketmq-broker            RocketMQ broker image for RocketMQ-Operator 2
2019liurui/rocketmq-broker         RocketMQ broker image for RocketMQ-Operator 1
2019liurui/rocketmq-namesrv        RocketMQ name service image for RocketMQ-Operator 1
apacherocketmq/rocketmq-operator   RocketMQ Operator is to manage RocketMQ service 1
pangliang/rocketmq-console-ng      rocketmq                                  1
coder4/rocketmq                    rocketmq                                  1
huanwei/rocketmq                   rocketmq                                  0
pengzu/rocketmq-console-ng         web console for rocketmq ,this code is from ... 0
apacherocketmq/rocketmq-nameserver Apache RocketMQ docker image for name server. 0
2019liurui/rocketmq-operator       Kubernetes Operator for RocketMQ !         0
rocketmqinc/rocketmq-operator      The Kubernetes operator for RocketMQ       0
huanwei/rocketmq-broker-k8s        rocketmq                                   0
king019/rocketmq                   rocketmq                                   0
apacherocketmq/rocketmq-broker     Apache RocketMQ docker image for broker.    0
slpcat/rocketmq-console-ng         rocketmq                                   0
huanwei/rocketmq-operator          rocketmq                                   0
apacherocketmq/rocketmq-console    A newly designed RocketMQ's console using ... 0
[root@iZ2zeicuzly3aab0aaql0Z conf]#
```

2.0查看镜像所有版本以及内容

//如果查看其他的版本 将{}内容替换即可 找到版本

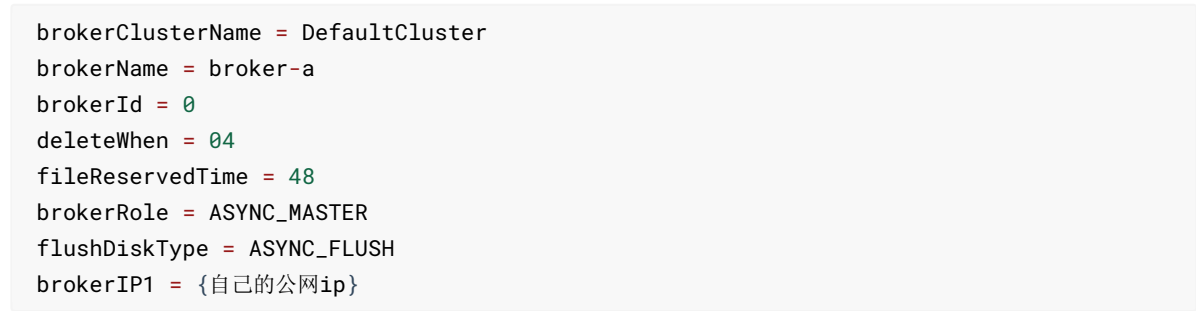
```
curl https://registry.hub.docker.com/v1/repositories/{foxiswho/rocketmq}/tags\
| tr -d '[\[\]" ]' | tr '}' '\n'\
| awk -F: -v image='{foxiswho/rocketmq}' '{if(NR!=NF && $3 != "")\
{printf("%s:%s\n",image,$3)}}'
```

```
[root@iZ2zeicuzly3aab0aaql0Z conf]# curl https://registry.hub.docker.com/v1/repositories/foxiswho/rocketmq/tags\
> | tr -d '[\[\]" ]' | tr '}' '\n'\
> | awk -F: -v image='{foxiswho/rocketmq}' '{if(NR!=NF && $3 != ""){printf("%s:%s\n",image,$3)}}'
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100  934    0  934    0    0    0     0  264    0 --:--:-- 0:00:03 --:--:-- 264
foxiswho/rocketmq:4.7.0
foxiswho/rocketmq:base
foxiswho/rocketmq:base-4.3.2
foxiswho/rocketmq:base-4.4.0
foxiswho/rocketmq:base-4.5.0
foxiswho/rocketmq:base-4.5.1
foxiswho/rocketmq:base-4.5.2
foxiswho/rocketmq:base-4.6.1
foxiswho/rocketmq:broker
foxiswho/rocketmq:broker-4.3.2
foxiswho/rocketmq:broker-4.4.0
foxiswho/rocketmq:broker-4.5.0
foxiswho/rocketmq:broker-4.5.1
foxiswho/rocketmq:broker-4.5.2
foxiswho/rocketmq:broker-4.6.1
foxiswho/rocketmq:broker-4.7.0
foxiswho/rocketmq:server
foxiswho/rocketmq:server-4.3.2
foxiswho/rocketmq:server-4.4.0
foxiswho/rocketmq:server-4.5.0
foxiswho/rocketmq:server-4.5.1
foxiswho/rocketmq:server-4.5.2
foxiswho/rocketmq:server-4.6.1
foxiswho/rocketmq:server-4.7.0
[root@iZ2zeicuzly3aab0aaql0Z conf]#
```

```
//选择一个版本号 这里最新 4.7.0
docker run -d -p 9876:9876 --name rmqserver foxiswho/rocketmq:server-4.7.0
```

CONTAINER ID	NAME	COMMAND	CREATED	STATUS	PORTS
3887a7e55f	rmqconsole	styletang/rocketmq-console-ng "sh -c 'java \$JAVA_O..."	15 minutes ago	Up 15 minutes	0.0.0.0:8180->8080/tcp
8dc1fae54573	foxiswho/rocketmq:broker-4.7.0	"bin/sh -c 'cd \$@..."	16 minutes ago	Up 16 minutes	0.0.0.0:10909->10909/tcp, 9876/tcp, 10912/tcp, 0.0.0.0:10911->10911/t
45f13a01d2	foxiswho/rocketmq:server-4.7.0	"bin/sh -c 'cd \$@..."	About an hour ago	Up About an hour	10909/tcp, 0.0.0.0:9876->9876/tcp, 10911-10912/tcp
4f66ce28eeb3	wlapp	"java -jar ./app.jar"	7 days ago	Up 7 days	0.0.0.0:8086->8086/tcp
330677a4c5c	mysql:8.0	"docker-entrypoint.s..."	2 weeks ago	Up 7 days	0.0.0.0:3306->3306/tcp, 33060/tcp

4.1 首先我们要在Ecs目录下创建一个 broker.conf 文件（先创建 不然 broker 无法启动）



4.3 运行命令

```
docker run -d -p 10911:10911 -p 10909:10909 \
--name rmqbroker --link rmqserver:namesrv \
-e "NAMESRV_ADDR=namesrv:9876" -e "JAVA_OPTS=-Duser.home=/opt" \
-e "JAVA_OPT_EXT=-server -Xms128m -Xmx128m" \
-v /conf/broker.conf:/etc/rocketmq/broker.conf \
foxiswho/rocketmq:broker-4.5.1
```

4.4 docker ps 运行看到下图

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
888fa78ed55f	styletang/rocketmq-console-ng	"sh -c 'java \$JAVA_O..."	15 minutes ago	Up 15 minutes	0.0.0.0:8180->8080/tcp
8dc1fae54573	foxiswho/rocketmq:broker-4.7.0	"/bin/sh -c 'cd \${R0..."	16 minutes ago	Up 16 minutes	0.0.0.0:10909->10909/tcp, 9876/tcp, 10912/tcp, 0.0.0.0:10911->10911/tcp
cp_rmqbroker	foxiswho/rocketmq:server-4.7.0	"/bin/sh -c 'cd \${R0..."	About an hour ago	Up About an hour	10909/tcp, 0.0.0.0:9876->9876/tcp, 10911-10912/tcp
d35f138a01d2	wlapp	"java -jar ./app.jar"	7 days ago	Up 7 days	0.0.0.0:8086->8086/tcp
4f66ce28eeb3	mysql:8.0	"docker-entrypoint.s..."	2 weeks ago	Up 7 days	0.0.0.0:3306->3306/tcp, 33060/tcp

5.0 启动 可视化界面

5.1运行命令

```
docker run -d --name rmqconsole -p 8180:8080 --link rmqserver:namesrv \
-e "JAVA_OPTS=-Drocketmq.namesrv.addr=namesrv:9876 \
-Dcom.rocketmq.sendMessageWithVIPChannel=false" \
-t styletang/rocketmq-console-ng
```

5.2docker ps 出现 下图 即为成功

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
888fa78ed55f	styletang/rocketmq-console-ng	"sh -c 'java \$JAVA_O..."	15 minutes ago	Up 15 minutes	0.0.0.0:8180->8080/tcp
8dc1fae54573	foxiswho/rocketmq:broker-4.7.0	"/bin/sh -c 'cd \${R0..."	16 minutes ago	Up 16 minutes	0.0.0.0:10909->10909/tcp, 9876/tcp, 10912/tcp, 0.0.0.0:10911->10911/tcp
cp_rmqbroker	foxiswho/rocketmq:server-4.7.0	"/bin/sh -c 'cd \${R0..."	About an hour ago	Up About an hour	10909/tcp, 0.0.0.0:9876->9876/tcp, 10911-10912/tcp
d35f138a01d2	wlapp	"java -jar ./app.jar"	7 days ago	Up 7 days	0.0.0.0:8086->8086/tcp
4f66ce28eeb3	mysql:8.0	"docker-entrypoint.s..."	2 weeks ago	Up 7 days	0.0.0.0:3306->3306/tcp, 33060/tcp

6.0总结

参考: <https://blog.csdn.net/fenglibing/article/details/92378090>