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1 Lab6. Docker Container Image Lifecycle
2
3 1. Container Image를 어떻게 사용하는가?
4 $ docker search --help
5 $ sudo docker search nginx
6
7 $ sudo docker pull nginx:1.24
8 or
9 nginx:tagname <---해당 이미지의 tagname은 docker hub에서 확인할 것
10
11 $ sudo docker image ls
12 $ sudo docker inspect nginx:1.24
13 $ sudo docker rmi nginx:1.24
14 $ sudo docker image ls
15
16
17 2. Container 실행 Lifecycle
18 1)Container 생성하기
19 $ sudo docker create --name webserver nginx:1.24
20
21 2)Container 실행하기
22 $ sudo docker start webserver
23 $ sudo docker ps
24 $ sudo docker inspect webserver
25 $ sudo docker stop webserver
26 $ sudo docker rm webserver
27
28
29 3)Container 생성 및 실행하기
30 $ sudo docker run --name webserver -d nginx:1.24
31 -run은 pull > create > start
32
33 4)실행중인 Container 목록 확인하기
34 $ sudo docker ps
35
36 5)동작중인 Container 중지
37 $ docker stop webserver
38
39 6)Container 삭제하기
40 $ docker rm webserver
41
42
43 3. 실습하기
44 $ sudo docker search nginx
45 $ sudo docker pull nginx:1.24
46 $ sudo docker images
47 $ sudo docker pull mysql
48 $ sudo docker pull mysql:8
49 8: Pulling from library/mysql
50 Status: Downloaded newer image for mysql:8
51 docker.io/library/mysql:8
52 $ docker images <--- mysql과 mysql:8이 서로 같은 Image ID..
53
54 $ sudo docker images --help
55 $ sudo docker images --no-trunc <--- Image ID를 Full로 보여줌.
56
57 $ sudo docker ps -a
58 $ sudo create --name webserver nginx:1.24 <---기본적으로 background로 실행
59 $ sudo docker ps -a
60 $ sudo docker start webserver
61 $ sudo docker ps -a
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62 $ sudo inspect webserver <-- IP Address확인할 것
63 $ sudo docker inspect --format '{{.NetworkSettings.IPAddress}}' webserver <--- IPAddress 만 확인
64 $ alias
65 $ alias cip="sudo docker inspect --format '{{.NetworkSettings.IPAddress}}' webserver"
66 $ alias
67 $ cip
68 $ unalias cip
69
70 $ curl 172.17.0.2
71 $ curl 172.17.0.2/aaa.html --> Not Found
72 $ sudo docker logs webserver
73
74 $ sudo docker logs -f webserver
75 -별도의 세션에서
76 $ curl 172.17.0.2
77 $ curl 172.17.0.2/aaa.html
78 --> 계속 log가 쌓이는 것 확인할 것
79
80 $ sudo docker top webserver -> 실행중인 Container의 Process 목록 확인
81
82 $ sudo docker exec -it webserver /bin/bash
83 root@689e289e8b6f:/# cd /usr/share/nginx/html
84 root@689e289e8b6f:/usr/share/nginx/html# echo "Hello, World" > index.html
85 root@689e289e8b6f:/usr/share/nginx/html# exit
86 exit
87 $ curl 172.17.0.2
88 Hello, World
89
90 $ sudo docker stop webserver
91 $ sudo docker ps -a
92 $ sudo docker start webserver
93 $ curl 172.17.0.2
94 Hello, World
95 $ sudo docker rm webserver
96 Error response from daemon: You cannot remove a running container
97 689e289e8b6f17b81388d5d5d7b605e0daf2d495fd0cf9837a044097473f87f5. Stop the container before
98 attempting removal or force remove
99
100 $ sudo docker rm -f webserver
101 $ sudo docker ps -a
```