## Docker file

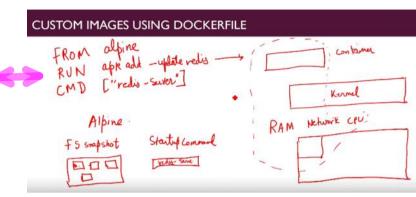
Saturday, 3 August 2019

Dockerfile: It contains all the info for running Software in base container.

How to create custom image?

- 1. Choose a base image.
- Run commands for your software's.
   Specify the base command to be run at start-up.





Screen clipping taken: 3/8/2019 11:36 PM

```
jain50@ubuntu:~/dockerdemo$ docker build .
ending build context to Docker daemon 2.048kB
tep 1/3 : FROM alpine
atest: Pulling from library/alpine
50382585609: Pull complete
joss2585609: Pull complete
joss2585609: Pull complete
test: Spownloaded newer image for alpine:latest
 itatus: Downloaded newer image for alpine:latest
---> b7b2s477ffe
tep 2/3 : RUN apk add --update redis
---> Running in b946e9afd90c
etch http://dl-cdn.alpinelinux.org/alpine/v3.10/main/x86_64/APKINDEX.tar.gz
etch http://dl-cdn.alpinelinux.org/alpine/v3.10/community/x86_64/APKINDEX.tar.gz
Tecch http://dl-cdn.alpinelinux.org/alpine/v3
(l/1) Installing redis (5.0.5-r0)
Executing redis-5.0.5-r0.pre-install
Executing redis-5.0.5-r0.pre-install
Executing busybox-1.30.1-r2.trigger
UK: 7 MiB in 15 packages
Removing intermediate container b946e9afd90c
--> 865b00a4598
Step 3/3 : CMD ["redis-server"]
--> Running in 17d44cl68eca
Removing intermediate container 17d44cl68eca
--> 652335b1bbdd
Successfully built 652335b1bbdd
Spain50@ubuntu:~/dockerdemo® []
```

Now we can run our own redis:

```
ins0@ubuntu:-/dockerdemo% docker run 652335blbbdd

3 Aug 2019 15:28:57.397 $ 000000000000 Redis is starting 00000000000

3 Aug 2019 15:28:57.397 $ 0000000000000 Redis is starting 000000000000

3 Aug 2019 15:28:57.397 $ Redis version=5.0.5, bits=64, commit=47edd290, modified=0, pid=1, just started

3 Aug 2019 15:28:57.397 $ Marning: no config file specified, using the default config. In order to specify a config file use redis-server /path/to/redis.conf

3 Aug 2019 15:28:57.399 $ Increased maximum number of open files to 10032 (it was originally set to 1024).

3 Aug 2019 15:28:57.400 $ Wanning mode=standalone, pot=e379.

3 Aug 2019 15:28:57.400 $ Wanning in The TCP backlog setting of 511 cannot be enforced because /proc/sys/net/core/somaxconn is set to the lower value of 128.

3 Aug 2019 15:28:57.400 $ Wanning overcommit memory is set to 0! Background save may fail under low memory condition. To fix this issue add 'vm.overcommit_memory = to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit_memory=1' for this to take effect.

3 Aug 2019 15:28:57.400 $ Wanning overcommit_memory usage issues with Redis of 1x this issue run the command 'echo never > /sys/kernel/mm/transparent_hugepage/enabled' as root, and add it to your /etc/rc.local in order to retain the setting er a reboot. Redis must be restarted after THF is disabled.

3 Aug 2019 15:28:57.400 * Ready to accept connections
```