

## Docker and friends Cheat Sheet

by Andrew Matthews (aabs) via cheatography.com/22451/cs/4601/

Building Images		Misc u	seful con	nmands (cont)	Dockerfiles (fo	r creating images) (cont)
docker build	Build a new image from the source code at PATH	·	Lookup containe	the running processes of a	EXPOSE	listen on the network ports  EXPOSE <po rt=""> [<p ort<="" td=""></p></po>
-q	docker build -t myimg  Suppress the output generate			ntil a container stops, then exit code	ENV	set the environment variables ENV <ke y=""> <va lue=""></va></ke>
by containersrm Remove intermediate		Run docker COMMANDhelp for help on the command.				ENV <ke y="">= <va lue=""> <a lue=""> &lt;</a></va></ke>
	containers after a successful build	Running Docker			ADD/COPY <sup>??</sup>	copies new files from <sr ct<br="">them to the container at <de< td=""></de<></sr>
-t	Repository name (and optionally a tag) for the image		r run	starts a process with its own file its own networking, and its own		ADD <sr c=""> <de st="">  configure container to run as</de></sr>
<b>Examples:</b> Simplest possible				<pre>process tree docker run -itP image</pre>		executable ENTRYPOINT ["ex e", "
docker build .  Name image and tag as v1.5:		-	-name	name the container docker runname =so m	VOLUME ename o	create externally mounted vo
5.	-t myorg/ myi mg:1.		-t	terminal interface	USER	sets the user name or UID to running the image
Misc useful commands			-i	interactive session	MODEDID	USER <u ser=""></u>
			-d -P	daemon Mode publish all exposed ports	WORKDIR	sets working dir for any RUN, POINT, COPY and ADD instruct WORKDIR /path/ to/ work
			-р	<pre>expose specific port -p ip:hos tpo rt: con t ort</pre>	ONBUILD ai nerp	adds a trigger instruction for ewhen image is used as base build
			rm	remove intermediate images		ONBUILD [INSTR UCTION]
			-A	<pre>bind mount a volume -v /host: /co ntainer</pre>	Check out the	Manual Page for more detail.
		sudo name run col sudo d ata 0r  Docket	interaction docker image intainer in docker :/dat.mm ngin:			

attach	Attach to a running container
ср	Copy files/folders from a container's filesystem to the host path
create	Create a new container
exec	Run a command in a running container
images	List images
export	Stream the contents of a container as a tar archive
import	Create a new filesystem image from the contents of a tarball
inspect	Return low-level information on a container or image
kill	Kill a running container
load	Load an image from a tar archive
logs	Fetch the logs of a container
port	Lookup the public-facing port that is NAT-ed to PRIVATE_PORT
ps	List containers
pull	Pull an image or a repository from a Docker registry server
push	Push an image or a repository to a Docker registry server
rm	Remove one or more containers
rmi	Remove one or more images
save	Save an image to a tar archive
search	Search for an image on the Docker Hub
start	Start a stopped container
stop	Stop a running container

FROM	<pre>set base image for this image FROM <im age="">:&lt; tag&gt;</im></pre>
MAINTAINER	The author of the image MAINTAINER <na me=""></na>
RUN	<pre>execute commands in new layer RUN <co mma="" nd=""> RUN ["ex ecu tab le", " par am1 " ,]</co></pre>
CMD	<pre>provide default for an executing container CMD ["ex ecu tab le", " par am1 " ,]</pre>
LABEL	add metadata to image  LABEL <ke y="">= <va lue=""> <ke y="">= <v a="" lue=""></v></ke></va></ke>



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