Cheatography

Docker and friends Cheat Sheet by Andrew Matthews (aabs) via cheatography.com/22451/cs/4601/

Building Images		Misc u	useful com	nmands (cont)	Dockerfiles (for	r creating images) (cont)
docker build	Build a new image from the source code at PATH	top	Lookup t containe	he running processes of a r	EXPOSE	listen on the network ports EXPOSE <po rt=""> [<p ort<="" td=""></p></po>
-d	docker build -t myimg Suppress the output generate by containers		print its e		ENV	<pre>set the environment variables ENV <ke y=""> <va lue=""> ENV <ke y="">= <va lue=""> <</va></ke></va></ke></pre>
rm	Remove intermediate containers after a successful build Repository name (and	Run docker COMMANDhelp for help on the command.			ADD /COPY??	a lue> copies new files from <sr c=""></sr>
+		Running Docker				them to the container at <de< td=""></de<>
-t	optionally a tag) for the image		er run	starts a process with its own fil its own networking, and its own		ADD <sr c=""> <de st=""> configure container to run as a</de></sr>
Examples: Simplest possible	build instruction:			process tree docker run -itP image		executable ENTRYPOINT ["ex e", "
docker build . Name image and tag as v1.5:			name	name the container docker runname =so m	VOLUME nename o	create externally mounted vol VOLUME ["/d ata "]
docker build ·	-t myorg/ myi mg:1.		-t	rg terminal interface	USER	sets the user name or UID to running the image
Misc useful comm	hands		-i	interactive session		USER <u ser=""></u>
			-d -P	daemon Mode publish all exposed ports	WORKDIR	Sets working dir for any RUN, (POINT, COPY and ADD instruc
			-p	expose specific port		WORKDIR /path/ to/ wor
			Ľ	-p ip:hos tpo rt: con t ort	ONBUILD tai nerp	adds a trigger instruction for e when image is used as base c build
			rm	remove intermediate images		ONBUILD [INSTR UCTION]
		-v		<pre>bind mount a volume -v /host: /co ntainer</pre>	Check out the Manual Page for more detail.	
		sudo name run co sudo d ata	docker image image ontainer in	ve session: run -Pname =so me background, on port 80: rund -v /etc/a pp a -p 0.0.0.0 :8 0:808		
		Docker Compose				
		ТВС				
		Docke	erfiles (for	creating images)		

attach	Attach to a running container	FROM	set base image for this image		
ср	Copy files/folders from a contai-		FROM <im age="">:< tag></im>		
	ner's filesystem to the host path	MAINTAINER	The author of the image		
create	Create a new container		MAINTAINER <na me=""></na>		
exec	Run a command in a running container	RUN	execute commands in new layer RUN <co mma="" nd=""></co>		
images	List images		RUN ["ex ecu tab le", " par am1 "		
export	Stream the contents of a container as a tar archive	CMD	,] provide default for an executing container		
import	Create a new filesystem image from the contents of a tarball		<pre>CMD ["ex ecu tab le", " par am1 " ,]</pre>		
inspect	Return low-level information on a container or image	LABEL	add metadata to image LABEL <ke y="">= <va lue=""> <ke y="">= <v< td=""></v<></ke></va></ke>		
kill	Kill a running container		a lue>		
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				



By Andrew Matthews (aabs) cheatography.com/aabs/ aabs.wordpress.com Published 15th July, 2015. Last updated 12th May, 2016. Page 1 of 2. Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com