

Container Tools		Aliases (cont)	
<code>docker ps</code>	lists all currently running containers	<code>docker _cache_clear</code>	runs Cache
<code>docker ps -a</code>	lists all containers (including stopped ones)	<code>docker _cache_force_clear</code>	o mmand in remove cacl
<code>docker logs CONTAINER(S)</code>	shows the output of the given container(s)	<code>docker _run_sing le_test TEST_F ILE_LO</code>	runs a single test file
<code>docker rm CONTAINER(S)</code>	removes a container(s) - including any local data changes	<code>docker _run_sing le_test TEST_F ILE_LO</code>	runs a single test file
<code>docker rm -f CONTAINER(S)</code>	same as <code>docker rm</code> except also force stops a container(s)	<code>cmd</code>	starts a new using the sc image and s interactive b session
<code>docker start CONTAINER(S)</code>	attempts to start a stopped container(s)		
<code>docker stop CONTAINER(S)</code>	attempts to stop a running container(s)		
<code>docker restart CONTAINER(S)</code>	stops and then starts the specified container(s)		
<code>docker cp SRC DEST</code>	copies files to/from a specific container to a local location container location format: CONTAINER :PA TH_ ON_ CONTAINER		
<code>docker exec -it CONTAINER bash</code>	starts a bash terminal session in the CONTAINER specified		

  

Aliases	
<code>docker _build</code>	<code>docker _co mpose</code> followed by a <code>docker -_bu ild_js</code>
<code>docker _bu ild_ js</code>	builds front-end components using <code>yarn ru n compile</code>
<code>docker _co mpos e</code>	installs dependencies as defined in <code>compos -er.lock</code> - does not update
<code>docker _start</code>	runs all containers as defined in <code>docker -c o mpo se.yml</code> with the default command as defined by the image
<code>dockerize</code>	logs in to aws in order to pull new images
<code>src_sync</code>	copies source code into all running containers and makes sure container source is up to date

  

Terms	
<b>Image</b>	A snapshot of a lightweight filesystem in order to run specific tasks
<b>Container</b>	An instantiation of an environment created from a specific image
<b>Fileca- binet</b>	A file mount that is shared across all containers

  

Troubleshooting	

`docker ps -a` use to see which container not starting linking error occur

`docker logs CONTAINER` use to see specific log and error: a container trouble start bad exit code

`src_sync` use if logs reveal the files cannot be found

`docker build --build-arg JS=/compose` use if parameters/dependencies seem to be incorrect

`docker rm CONTAINER` use if a file is corrupt in container  
NOTE: DO NOT REMOVE DATA CONTAINERS AS THEY WILL TAKE A LONG TIME TO DOWNLOAD

`docker cache --clear /docker-cache-f -orc e_clear` use if annotations or operations seem to be corrupt/not updating



### Docker ps columns

<b>NAMES</b>	Interchangeable with <code>CONTAINER ID</code> - used to reference a specific container
<b>CONTAINER ID</b>	Interchangeable with <code>NAMES</code> - used to reference a specific container
<b>IMAGE</b>	Image that the container environment is running on
<b>COMMAND</b>	Command(s) that the container is runs when started
<b>CREATED</b>	Date when container was first created
<b>STATUS</b>	Current status of container - will also display exit codes
<b>PORTS</b>	Displays external -> internal port mapping and protocol

### xdebug - docker native

```
sudo ifconfig lo0 alias 10.254.25 4.254
```

```
docker exec -it webserver bash
```

```
vi /etc/php.d/xdebug.ini
```

press `i` to be able to edit, arrows to navigate

```
set xdebug.remote_mode=0
```

```
set xdebug.remote_host=10.254.254
```

```
set xdebug.remote_autostart=1
```

to save and quit from vi:

```
press esc
```

```
type :wq
```

```
press enter
```

exit to get out of the container

run `docker restart webserver` in order to have the new config values take place



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