



Docker Shortcut Sheet

	Command	Description
1	docker	List of docker command, Check docker service is alive
2	docker -v	Print version information
3	docker ps	List running containers
4	docker ps -a	List all containers
5	docker images	List images
6	Tips #1 : Structure of docker images <Repository>/<image name>:<tag> eg : ibitz/geoserver:2.12.1 (https://hub.docker.com/r/ibitz/geoserver) <if not specific tag docker can choose tag "latest" automatic>	
7	docker pull <image name>	Pull image from hub
8	docker push <image name image ID>	Push images to docker hub (Can Login)
9	docker rmi <image name image ID>	Remove images form local.
10	Tips #2 :You can use 2 or 3 digit front of full docker or image ID to specific it in every command.	
11	docker run <argument>	Run container.
12	Tips #3 :Structure of "docker run" command # docker run <argument> <images> <command>	
13	docker run --name <Container name Container ID>	Naming container.
14	docker run -d	Run Container in service mode. (eg : Run In Background)
15	docker run -it	Run Container interactive and TTY mode (eg : run command line)
16	docker run -it -d	Run Container same -it mode but run in background mode.
17	docker run -e <Environment Variable>	Pass Environment Variable to Container
18	docker run --restart=always	Run container auto start when host restart.



	Command	Description
19	<code>docker run -v <external port>:<internal port></code>	Bind Network port from internal container to external container
20	<code>docker run -p <external directory>:<internal directory></code>	Bind directory from internal container to external container (Use Fullpath)
21	Tips #4 : Example complex docker run command. PHP 7.2 : <code>docker run -d --name PHP7_2 -v \$PWD:/var/www/html -p 81:80 php:7.2.0-apache</code> Geoserver : <code>docker run -d --name geoserver -v \$PWD/data/dir:/opt/geoserver -p 8081:8080 ibitz/geoserver:lts</code> ## "\$PWD" in unix to get current working directory ##	
22	<code>docker stop <Container name Container ID></code>	Stop running container.
23	<code>docker start <Container name Container ID></code>	Start container from exited mode.
24	<code>docker rm <Container name Container ID></code>	Remove container.
25	<code>docker rm -f <Container name Container ID></code>	Remove container with running container.
26	<code>docker exec <argument> <Container name ID> <CMD></code>	Execute command or shell to container.
27	Tips #5 : Example to shell to internal container. eg. <code>docker exec -it geoserver bash</code>	
28	<code>docker rename <Container name ID> <New Container Name></code>	Rename Container Name
29	<code>docker logs <Container name ID></code>	Print container logs.
30	<code>docker logs -f <Container name ID></code>	Print realtime container logs.