

Cheatsheet version

Version	1.0.0
Last update	4/7/2018
Docker version	Docker-CE v18

Run containers

Search Docker Hub for an image	docker search
Pull an image	docker pull
Run an image	docker run
Run (as daemon)	docker run -d
Run (and open port)	docker run -p 80:80
List running containers	docker ps
Stop a container	docker stop

Resource constraint

Max memory (units: b,k,m,g)	-m 300m
Memory swap	--memory-swap="1g"
CPU	--cpus="1.5"

Docker compose

Sample docker-compose.yml file:

```
version: "3"
services:
  glassfish:
    image: glassfish
    container_name: glassfish
    ports:
      - "8080:8080"
      - "4848:4848"
    deploy:
      resources:
        limits:
          cpus: '1'
          memory: 4G
        stdin_open: true
        tty: true
Connect to container:
docker-compose exec glassfish sh
```



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