CPD Práctica 3

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 Creación de las máquinas virtuales con docker-machine o bien el acceso al laboratorio remoto e inicio del manager de docker swarm.

```
[nodel ~]$ docker swarm init --advertise-addr 192.168.0.38
Swarm initialized: current node (qg9wkw0rzpho7sixqfhrd3z68) is now a m anager.

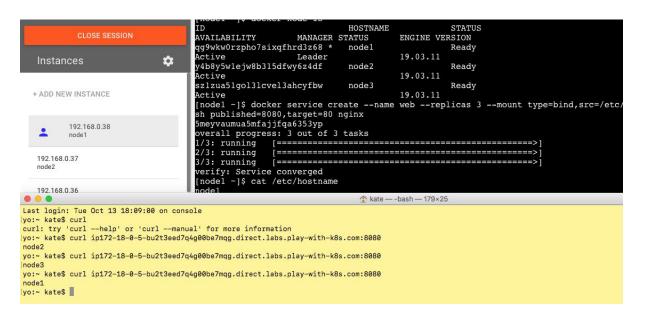
To add a worker to this swarm, run the following command:
        docker swarm join --token SWMTKN-1-2vq066q53gpzceb7ixwj1s56m7sp671
6wlw9vfn49veq5iep8m-8ab40pd3hggos77cal17bhob7 192.168.0.38:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
[nodel ~]$ [
```

2. Ejecución del servicio web y 3 nodos activos.

```
[node1 ~]$ docker node ls
                               HOSTNAME
                                                     STATUS
                                                                          AVAILABILITY
                                                                                                MANAGER STATUS
                                                                                                                     ENG
INE VERSION
qg9wkw0rzpho7sixqfhrd3z68 *
                               node1
                                                     Ready
                                                                           Active
                                                                                                Leader
                                                                                                                      19.
 4b8y5w1ejw8b315dfwy6z4df
                                                     Ready
                                                                           Active
                                                                                                                      19.
 z1zua51gol31cvel3ahcyfbw
                               node3
                                                                           Active
                                                                                                                     19.
                                                     Ready
```

3. Cuando se cambia de escala a 2.

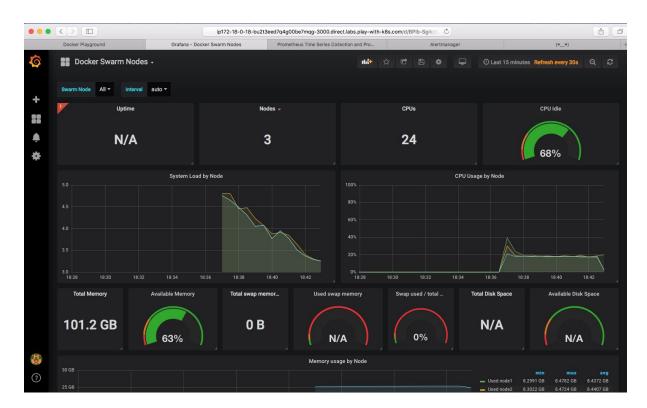


[node1 ~]\$ docker	service ps web								
ID	NAME	IMAGE	NODE	DESIRED STATE	CURRENT STAT				
E ERROR	PORTS								
7rsvewrged4b	web.1	nginx:latest	node2	Running	Running 4 mi				
nutes ago									
kjc266x6zs63	web.2	nginx:latest	node3	Running	Running 4 mi				
nutes ago									
4kqc2e0ezd18	web.3	nginx:latest	node1	Running	Running 4 mi				
nutes ago									
[nodel ~]\$ docker service scale web=2									
web scaled to 2									
overall progress: 2 out of 2 tasks									
1/2: running [====================================									
2/2: running [====================================									
verify: Service converged [nodel ~]\$ docker service ps web									
		TWO GE	MODE	DEGIDED CONTRO	GUDDDAM GMAMD				
ID	NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE				
PORTS	web.1		node2	Dunn in a	Running 5 minu				
7rsvewrged4b	web.1	nginx:latest	nodez	Running	Running 5 minu				
ulzgslctgjxz	web.2	nginx:latest	node1	Running	Running 8 secon				
urzgsietqjxz	web.2	nginx: latest	nodel	Running	Running & Secon				
kjc266x6zs63	\ web.2	nginx:latest	node3	Shutdown	Running 5 minu				
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[node1 ~]\$									

4. Reactivación automática del nodo.

ID	r service ps web NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE
PORTS 7rsvewrged4b	web.1	nginx:latest	node2	Running	Running 5 minu
ulzgslctqjxz	web.2	nginx:latest	node1	Running	Running 8 secon
kjc266x6zs63	_ web.2	nginx:latest	node3	Shutdown	Running 5 minu
web scaled to 3 overall progress 1/3: running [2/3: running [3/3: running [=3 	=====>]		
verify: Service [nodel ~]\$ docke					
ID PORTS	NAME	IMAGE	NODE	DESIRED STATE	CURRENT STATE
7rsvewrged4b	web.1	nginx:latest	node2	Running	Running 8 minu
ulzgslctqjxz	web.2	nginx:latest	node1	Running	Running 2 minu
kjc266x6zs63	_ web.2	nginx:latest	node3	Shutdown	Shutdown 22 see
jpds59es0kt4	web.3	nginx:latest	node3	Running	Running 9 secon
[node1 ~]\$					

5. Grafana



6. Docker logs

```
[nodel swarmprom]$ docker logs -f web.2.ulzgslctqjxzx36g8nsw8o413
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint sh: Configuration complete: ready for start up
  /docker-entrypoint.sh: Configuration complete; ready for start up 10.0.0.3 - - [13/Oct/2020:16:42:32 +0000] "GET / HTTP/1.1" 200 6 10.0.0.3 - - [13/Oct/2020:16:42:33 +0000] "GET / HTTP/1.1" 200 6
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[13/Oct/2020:16:42:37 +0000]
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```

7. (Opcional) Testeo en Katakoda

