Rolling update in swarm

Rolling updates are used to update an image in the service while it is being run.

1. create a new service (redis3.0.6) for simulating rolling updates

docker service create –name redis –replicas 3 redis:3.0.6

```
root@ip-172-31-23-36:/home/ubuntu# docker service create --name redis --replicas 3 redis:3.0.6
el717zlaacfnbseju06m4azb5
overall progress: 3 out of 3 tasks
1/3: running   [==================================================>]
2/3: running   [==================================================>]
3/3: running   [==================================================>]
verify: Service converged
root@ip-172-31-23-36:/home/ubuntu#
```

i-0efc1c15a6ac477fa (Manager)

PublicIPs: 54.221.85.119   PrivateIPs: 172.31.23.36

2. Then update the service with a new version of redis(3.0.7)

docker service update --image redis:3.0.7 redis

```
root@ip-172-31-23-36:/home/ubuntu# docker service ls
ID             NAME                    MODE         REPLICAS   IMAGE            PORTS
xjc4r3wvgmtu   practice-stack_sample1  replicated   3/3        nginx:latest     *:8000->8080/tcp
0yf33x47ff4r   practice-stack_sample2  replicated   0/1        ubuntu:latest
el717zlaacfn   redis                   replicated   3/3        redis:3.0.6
root@ip-172-31-23-36:/home/ubuntu# docker service update --image redis:3.0.7 redis
redis
overall progress: 3 out of 3 tasks
1/3: running   [==================================================>]
2/3: running   [==================================================>]
3/3: running   [==================================================>]
verify: Service converged
root@ip-172-31-23-36:/home/ubuntu#
```

i-0efc1c15a6ac477fa (Manager)

PublicIPs: 54.221.85.119   PrivateIPs: 172.31.23.36

Now let's verify

docker service ls

```
root@ip-172-31-23-36:/home/ubuntu# docker service ls
ID             NAME                    MODE         REPLICAS   IMAGE            PORTS
xjc4r3wvgmtu   practice-stack_sample1  replicated   3/3        nginx:latest     *:8000->8080/tcp
0yf33x47ff4r   practice-stack_sample2  replicated   0/1        ubuntu:latest
el717zlaacfn   redis                   replicated   3/3        redis:3.0.7
root@ip-172-31-23-36:/home/ubuntu#
```

i-0efc1c15a6ac477fa (Manager)

PublicIPs: 54.221.85.119   PrivateIPs: 172.31.23.36