

Docker restart on failure

Run a container without any restart policy and crash it

```
ubuntu@ip-172-31-93-205: ~  
ubuntu@ip-172-31-93-205:~$ sudo docker run -d --name httpd2 httpd sh -c "sleep 10; exit 1;"  
de89aa9a754ce28162d38b716d944f0f5cec9a55d71aad8ad61f055e499f4b4d  
ubuntu@ip-172-31-93-205:~$
```

Crashed with error code 1

```
ubuntu@ip-172-31-93-205:~$ sudo docker container ls --a  
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS          NAMES  
55c241538265   httpd     "sh -c 'sleep 10; ex..." 15 seconds ago Exited (1) 4 seconds ago           httpd2
```

Now apply restart on failure policy

```
ubuntu@ip-172-31-93-205:~$ sudo docker run -d --name httpd2 --restart on-failure httpd sh -c "sleep 10; exit 1;"  
34647f270f3729abc42192915a4e3b57b33196d6401971d83f1f875ff66928d8  
ubuntu@ip-172-31-93-205:~$
```

Now the container is restarting after failing

```
ubuntu@ip-172-31-93-205:~$ sudo docker container ls  
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS          NAMES  
34647f270f37   httpd     "sh -c 'sleep 10; ex..." 2 minutes ago Up 9 seconds   80/tcp         httpd2  
ubuntu@ip-172-31-93-205:~$ sudo docker container ls  
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS          NAMES  
34647f270f37   httpd     "sh -c 'sleep 10; ex..." 2 minutes ago Up 1 second    80/tcp         httpd2  
ubuntu@ip-172-31-93-205:~$
```