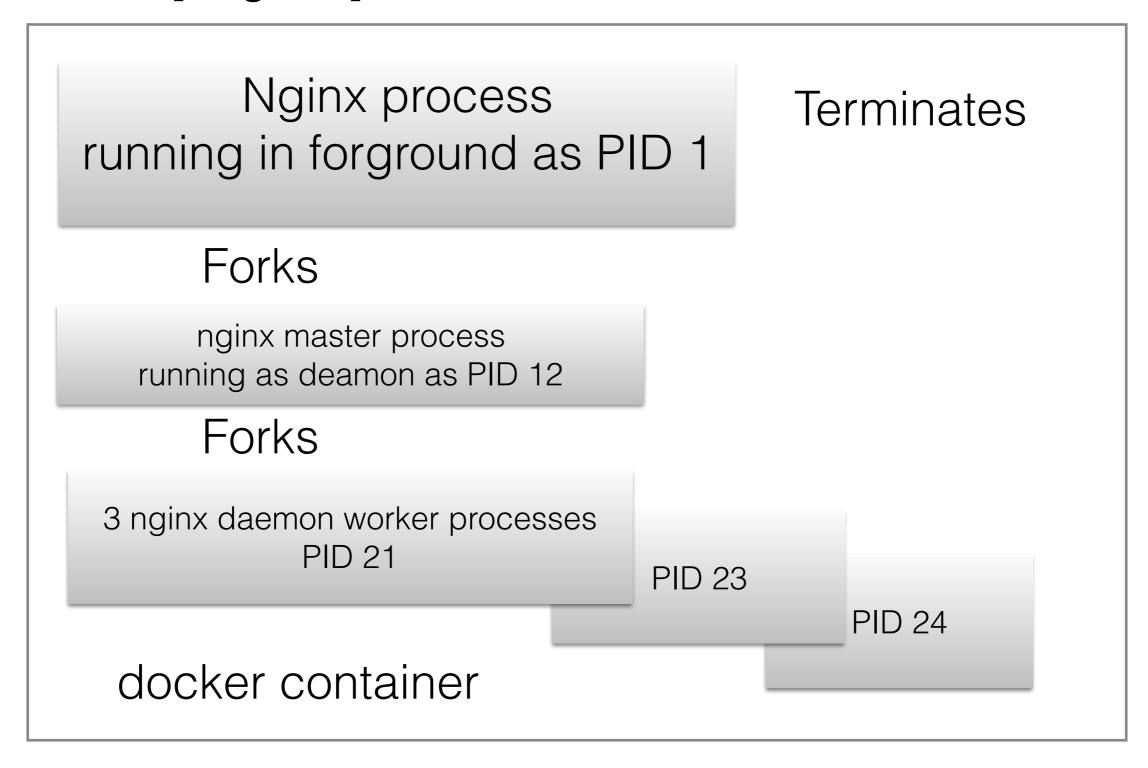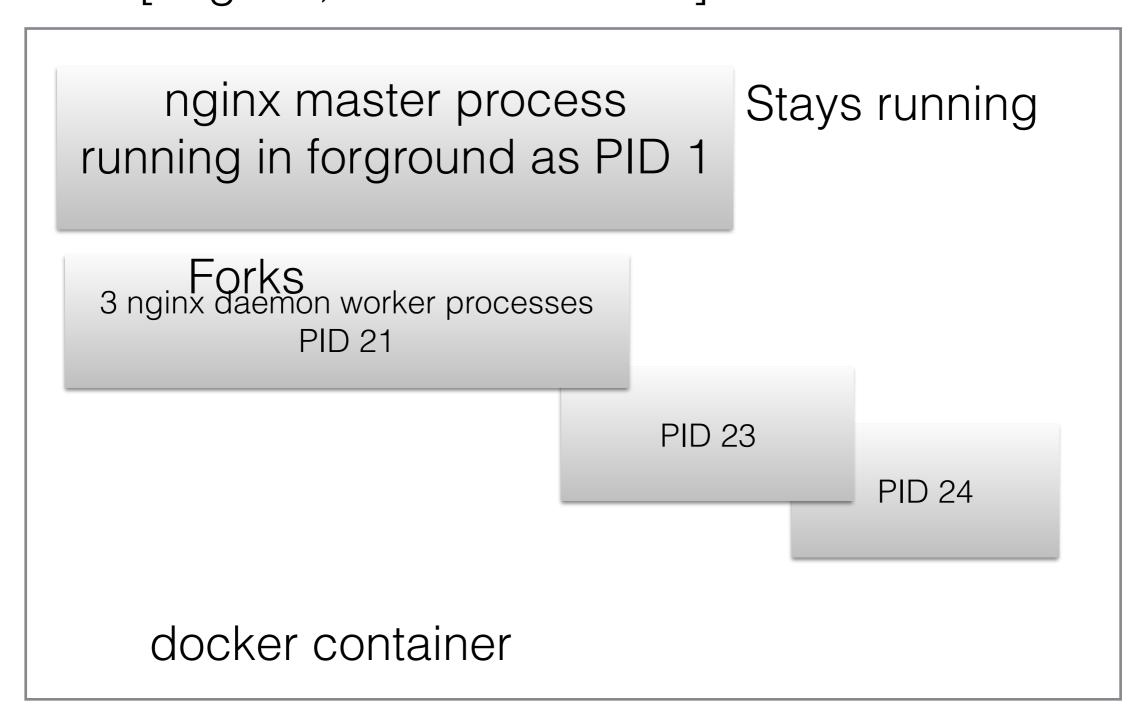Docker runtime only monitores PID 1 process running in the foreground and will stop when PID 1 terminates

The docker entrypoint command launches process PID 1 in the foreground so it is imperative that the process continues running for the docker container to keep running

Docker container will terminate

cmd ["Nginx"]

Nginx process
running in forground as PID 1

Terminates

Forks

nginx master process
running as deamon as PID 12

Forks

3 nginx daemon worker processes
PID 21

PID 23

PID 24

docker container

Docker container will not terminate

cmd ["Nginx", "No daemonize"]

nginx master process running in forground as PID 1

Stays running

Forks

3 nginx daemon worker processes
PID 21

PID 23

PID 24

docker container

laravel single container configuration

Single container running nginx, phpfpm and supevisored
docker monitores supvd
supervd monitores ngx,php

Docker container

Supervisored running in forground as PID 1
monitores an restarts Nginx and Php-fpm master processes

Nginx master and worker processes running as daemons

Php-Fpm master and worker processes running as daemon

(For prod deployment - copy Code v1 into container instead of a mapped volume)

mapped volume (for development only)

Code v1

laravel multicontainer configurations

Docker compose

cmd ["Nginx", "No daemonize"]   For prod
copy codev1

docker container

| nginx non daemon master process PID 1 | code v1 no runningprocess |

cmd ["fhp-fpm", "No daemonize"]
COPY /codev1

| php-fpm non daemon master process PID 1 | code v1 no runningprocess |

docker container

Docker compose

cmd ["Nginx", "No daemonize"]   For prod

nginx non daemon
master process PID 1

docker container

code v1
no runningprocess

docker container

cmd ["fhp-fpm", "No daemonize"]

php-fpm non daemon master
process PID 1

docker container

Docker compose

For dev

cmd ["Nginx", "No daemonize"]

mapped volume

docker container
nginx non daemon
master process PID 1

Code v1

cmd ["fhp-fpm", "No daemonize"]

docker container
php-fpm non daemon master
process PID 1

Docker compose

cmd ["Nginx", "No daemonize"]

For dev

nginx non daemon
master process PID 1

docker container

mapped codev1
no runing process

docker container

cmd ["fhp-fpm", "No daemonize"]

php-fpm non daemon master
process PID 1

docker container

mapped volume

Code v1