

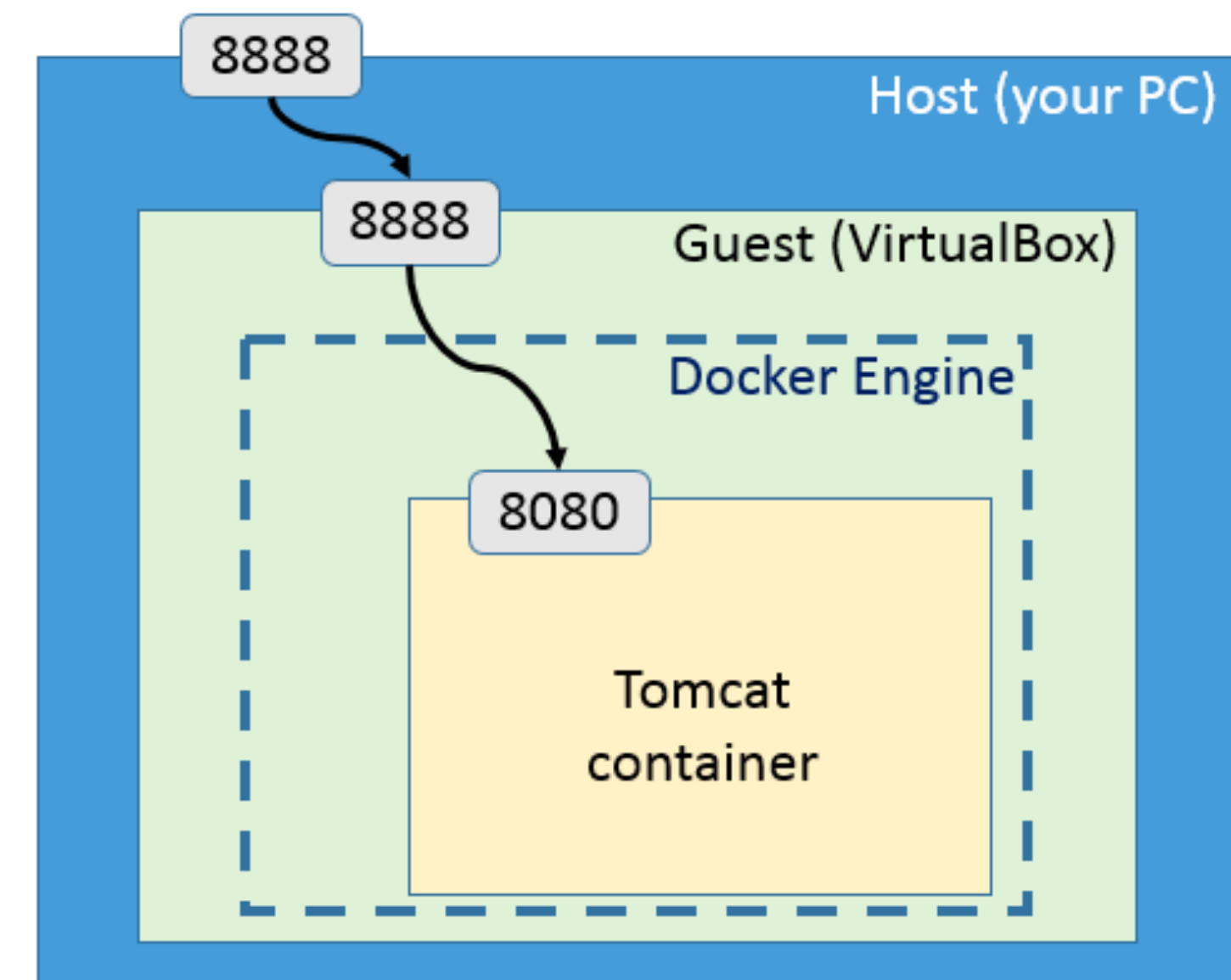
Docker Containers Essentials

Basic Command line- Running a Container - Exposing a port

```
Docker run -p <outside>:<inside> <image_name> [Options]
```

[**-p**] Option allow the container to be access externally by mapping **outside** Host port to **inside** container service such as:

8888:8080 allocate **host** 8888 two port to redirected to **container** tcp 8080 port.



Source: stackoverflow

Docker Containers Essentials

Basic Command line - LifeCycle of Docker container

```
$ docker run --name <name>
```

Names the container

```
$ docker rm
```

Deletes the container's layer

```
$ docker rmi
```

Deletes base (ancestor) layer(s)

```
$ docker stop
```

Sends SIGTERM then SIGKILL - i.e. `$ kill <proc>`

```
$ docker kill
```

Sends SIGKILL - i.e. `$ kill -9 <proc>`

```
$ docker run --rm
```

Deletes the container's layer on exit

```
$ docker pause
```

Freezes all process in a container