

SPD software news

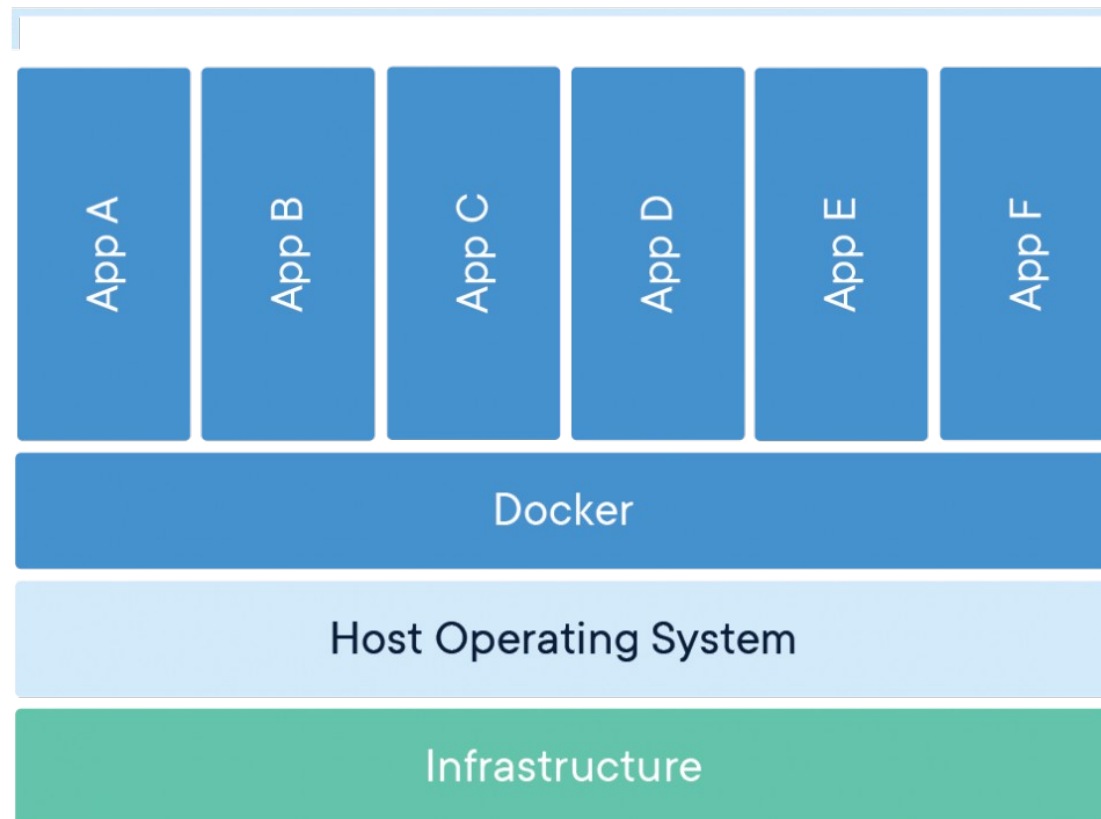
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SpdRoot in Docker

- A Docker container image is a lightweight, standalone, executable package of software that includes everything needed to run an application: code, runtime, system tools, system libraries and settings.

Containerized Applications



How to install Docker

- **on Ubuntu:**

- *\$ sudo add-apt-repository *

- "deb [arch=amd64]*

- https://download.docker.com/linux/ubuntu *

- \$(lsb_release -cs) *

- stable"*

- *\$ sudo apt-get update*

- *\$ sudo apt-get install docker-ce docker-ce-cli containerd.io*

- **More details at *http://docker.com***

How to install SpdRoot image

- Pull the spdroot image from Dockerhub:

```
$ [sudo] docker pull jemtchou/spdroot:4.0.0
```

- Need about 10 GB of free space (FairSoft, FairRoot, SpdRoot)

- `jemtchou@jemtchou:~$ docker pull jemtchou/spdroot:4.0.0`

```
4.0.0: Pulling from jemtchou/spdroot
```

```
55cbf04beb70: Pull complete
```

```
6814671f0715: Pull complete
```

```
894720ef28a8: Pull complete
```

```
48480228022a: Pull complete
```

```
af0fa27bf5fb: Pull complete
```

```
13090379b85e: Pull complete
```

```
64161300b95e: Pull complete
```

```
d92246d101d3: Pull complete
```

```
048bc9d1079b: Pull complete
```

```
87fafa7ddc40: Pull complete
```

```
Digest: sha256:c78633c0b7bd56b7a3cb7684452b6313b252cf561a8f9eae4de92adf3c91efbb
```

```
Status: Downloaded newer image for jemtchou/spdroot:4.0.0
```

```
docker.io/jemtchou/spdroot:4.0.0
```

- `jemtchou@jemtchou:~$ docker images`

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
jemtchou/spdroot	4.0.0	399020b7e843	13 days ago	9.6GB

How to run

- Run docker container:

```
[sudo] docker run -it jemtchou/spdroot:4.0.0  
/bin/bash
```

- Then you may run SpdRoot like in any other environment:

```
./opt/spdroot/bin/SetEnv.sh
```

```
spdroot.py mymacro.C
```

- Folder **/root/spdroot** contains SpdRoot source, for your reference. The SpdRoot build is located at **/opt/spdroot**
- Please, try it