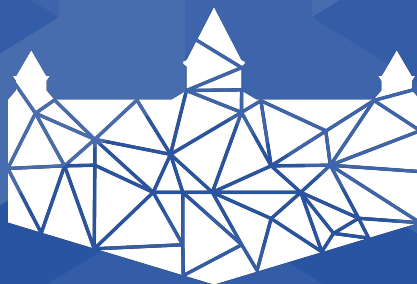# Developing Cloud Applications with Docker App

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OPENSLAVA'19

docker

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Audience

- Who has heard about compose files?
  - Day to day use?
  - Can you write one on your own?
  - Do you use it in production?
  - Who uses docker-compose ?
  - Who uses docker stack deploy ?
- Who uses swarm ?
- Who uses kubernetes?

Why Docker App?

- Compose is great for defining an application
- Provides a way to share applications
- Add metadata to describe the application
- Communicate what can be changed on install
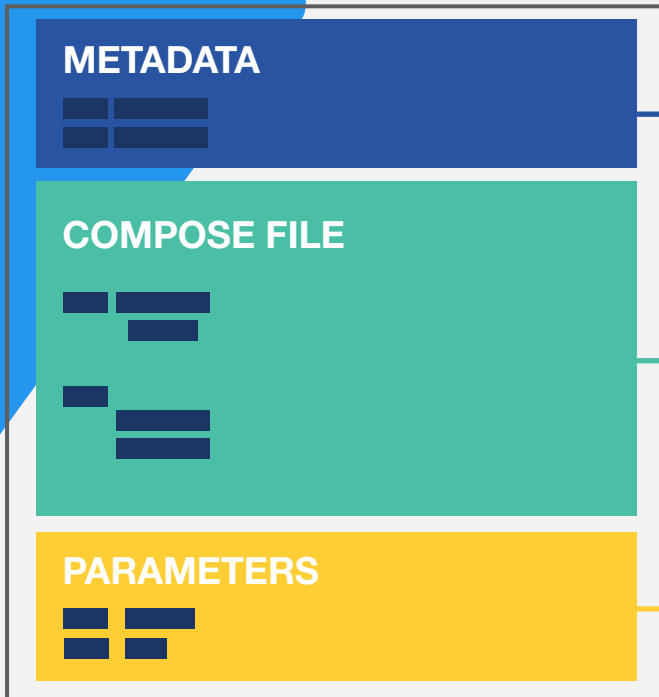- Facilitate developer to operator handover

What is Docker App?

- Create Compose based applications
- Share applications using container registries
- Based on CNAB specification

Docker App definition

APPLICATION

METADATA

Name, Version, Description

COMPOSE FILE

Services, Volumes, Networks, Secrets

PARAMETERS

Install parameters

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Wifi and exercises

Wifi
- SSID: OpenSlava
- Password: Open2019

Workshop Repository
- https://github.com/silvin-lubecki/docker-app-workshop-dc19

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Agenda

Exercise 1

Write and Deploy a Compose file

Exercise 2

Creating a Docker Application

Exercise 3

Running and sharing our Docker Application

Exercise 4

Configure your application with parameters

Exercise 5

Disabling Services with x-enabled

Exercise 6

Under the hood: CNAB

Exercise 7

Advanced

Adding Traefik reverse proxy to the Application

Exercise 8

Advanced

Create a CNAB bundle from scratch

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Compose and docker-app are open source

Contributions Welcome!

github.com/docker/app
github.com/docker/compose

docker