

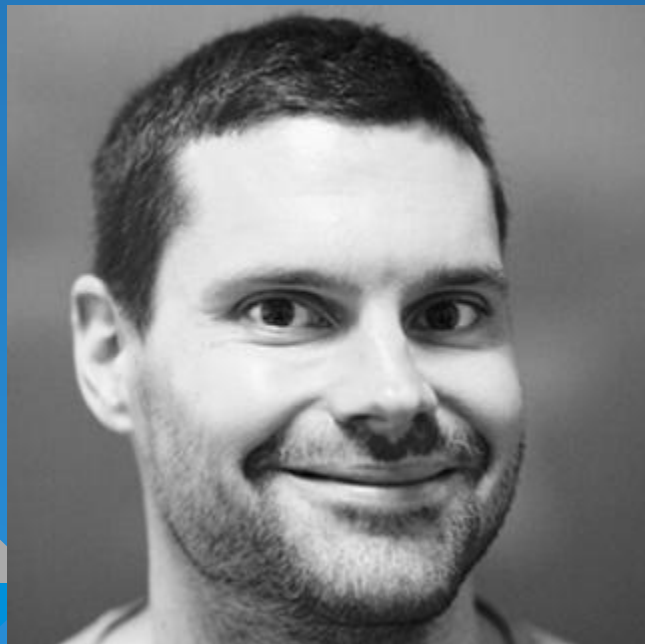
The slide features a dark blue background with decorative geometric patterns on the left and right sides. These patterns consist of overlapping, colorful shapes in shades of yellow, magenta, cyan, and grey, arranged in a way that suggests movement or a lattice structure. The main text is centered in the upper half of the slide.

Rocking the Lattice

A new path for CF applications

The Lattice Rockers

Colin Humphreys



James Bayer





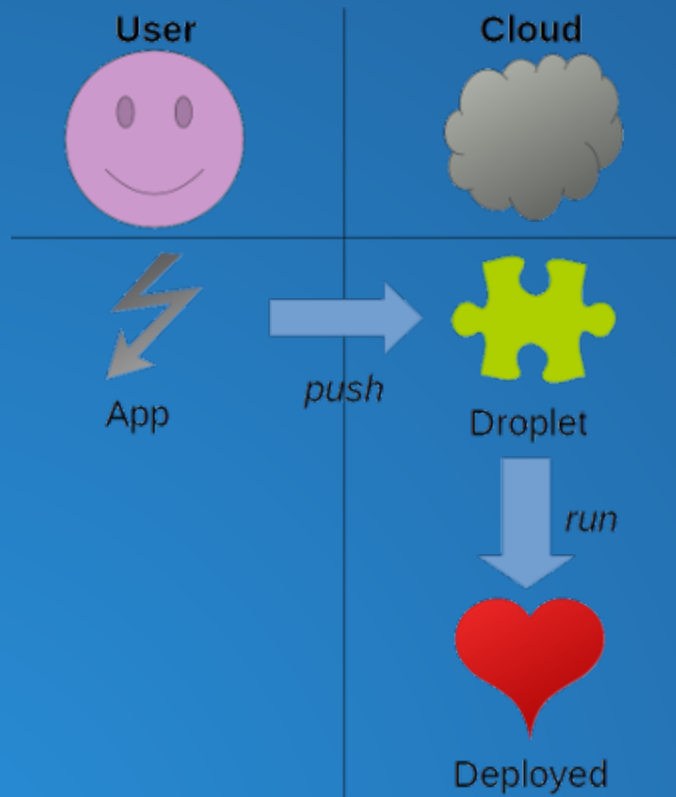
What is an app?

Code vs containers

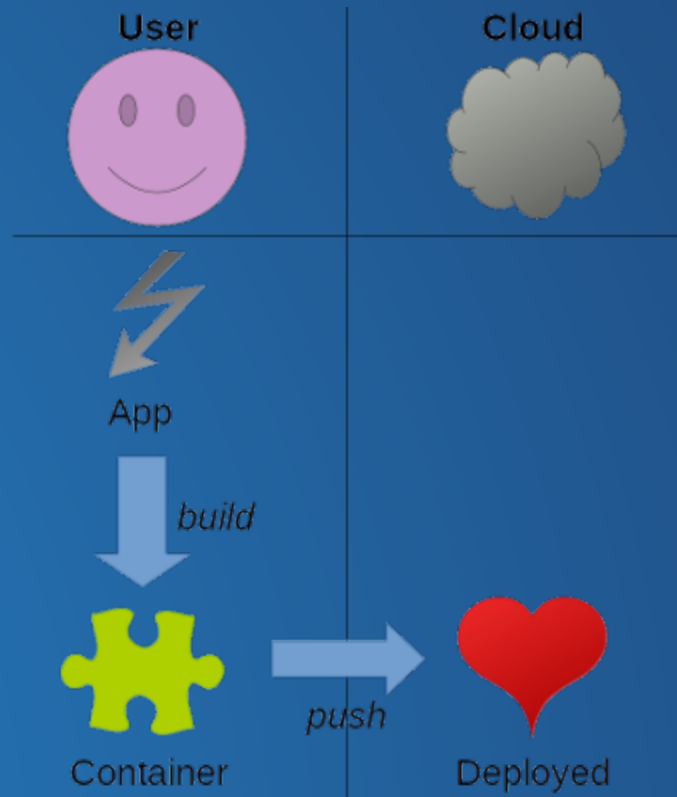
The slide features a dark blue background with decorative geometric patterns on the left and right sides. These patterns consist of overlapping, stylized arrow-like shapes in yellow, magenta, cyan, and grey, pointing towards the center. The main text is centered in white.

CF has two jobs

Staging and running



VS





Local staging?

Get fast feedback, push artifact

Stop talking, start rocking!



Stop talking, start rocking!

- Installation



Stop talking, start rocking!

- Installation
- Rocking your application locally



Stop talking, start rocking!

- Installation
- Rocking your application locally
- Building your application container

Stop talking, start rocking!

- Installation
- Rocking your application locally
- Building your application container
- Pushing your application to a registry

Stop talking, start rocking!

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<https://github.com/CloudCredo/cloudrocker>

Backlog Sample

- Rocket containers
- Better env var handling
- Single-command push to Lattice
- Multiple applications
- Better journey for Mac users

<https://www.pivotaltracker.com/n/projects/1119430>

James: Run a container cluster

- let's run something that was rocked
- what the ?\$%# is lattice?

What is Lattice?



What is Lattice?

SUPER FUN TO USE!

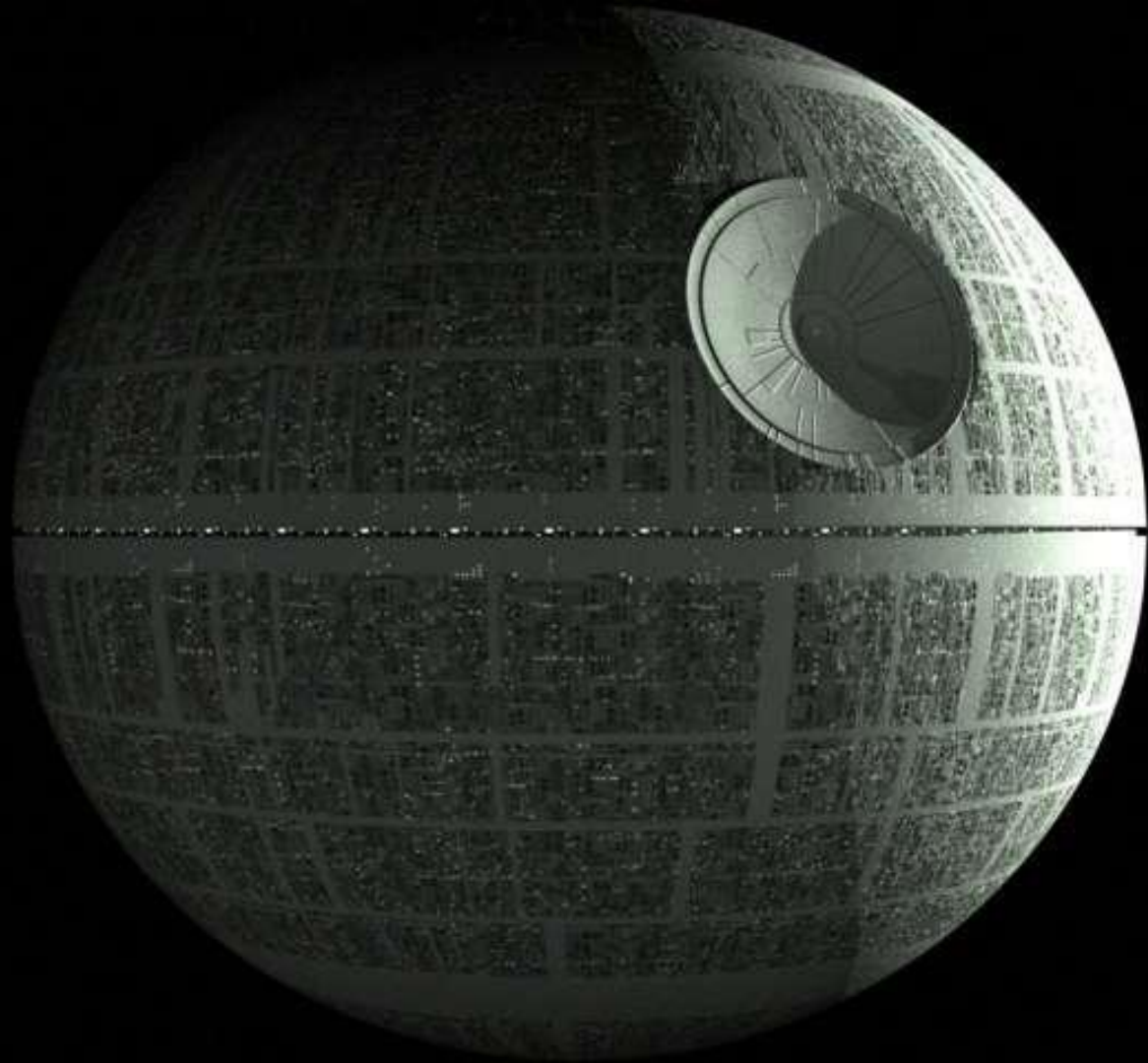
<http://lattice.cf/>

What is Lattice?

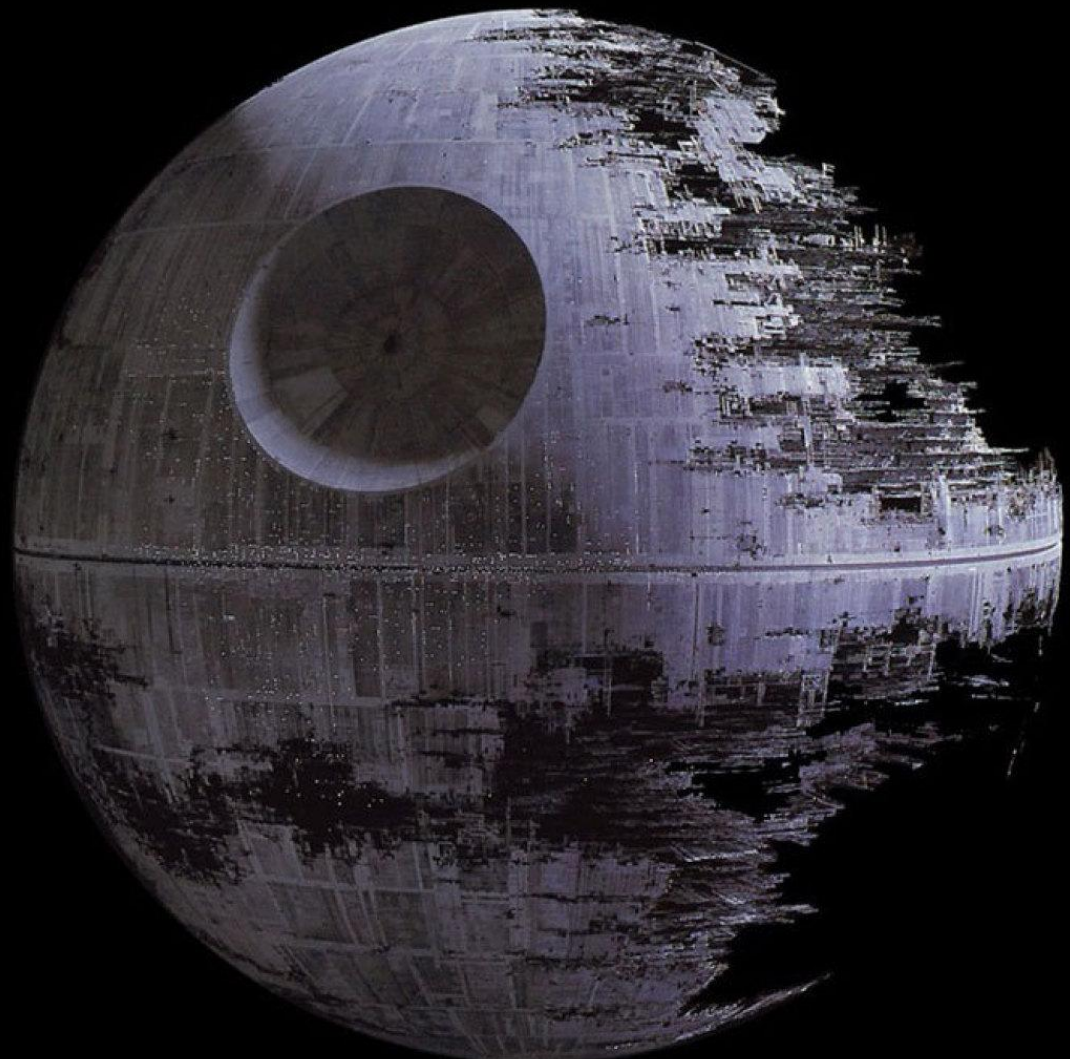
Just Enough Cloud Foundry

<http://lattice.cf/>

Full
Cloud
Foundry



Lattice



What is Lattice?

Cloud Foundry by subtraction

- + Diego
- + CF GoRouter
- + CF Loggregator
- + Vagrant VM or terraform scripts

- BOSH not required
- no Cloud Controller
- no UAA

<http://lattice.cf/>

Lattice UX - Simple CLI

```
ltc create lattice-app  
cloudfoundry/lattice-app
```

```
ltc status lattice-app
```

```
ltc list
```

```
ltc scale lattice-app 5
```

Lattice UX - Xray

OSS web ui from Pivotal

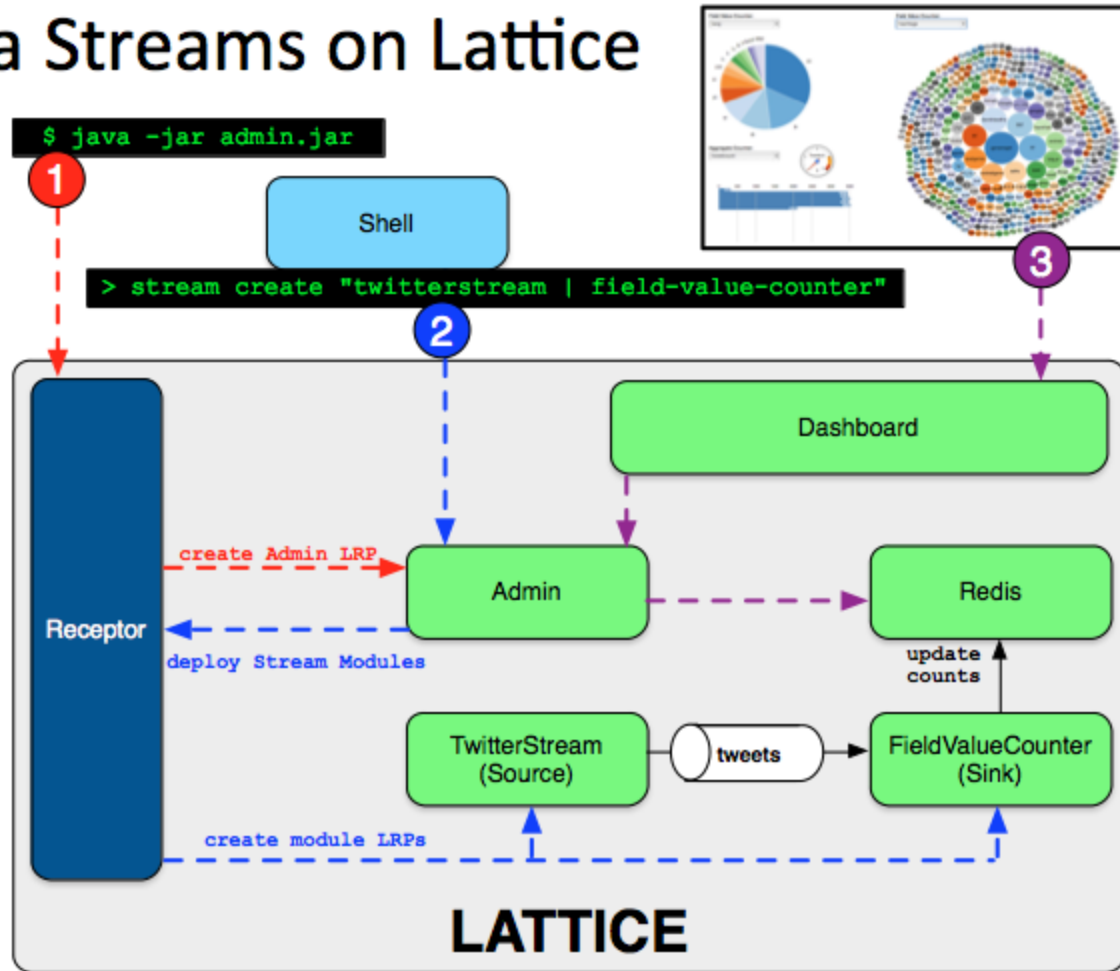
<http://xray.cf>



Fun with Lattice

- Develop and run distributed apps
 - Spring Cloud apps with Netflix OSS
 - Spring Batch jobs
 - Spring XD
 - Windows Containers! - JSON Example
- Hack on Diego
 - send custom metrics from your app
 - consume metrics with the firehose

Data Streams on Lattice



Spring XD Twitter Hashtag demo, running completely on Lattice. Original repo is here:
<https://github.com/spring-projects/spring-xd-samples/tree/master/analytics-dashboard>

Join the Lattice Community

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[@latticecf](#)

<https://github.com/cloudfoundry-incubator/lattice>



Questions?

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