Cloud Foundry

Inside a Private PaaS

Last minute... but a rollicking good time.

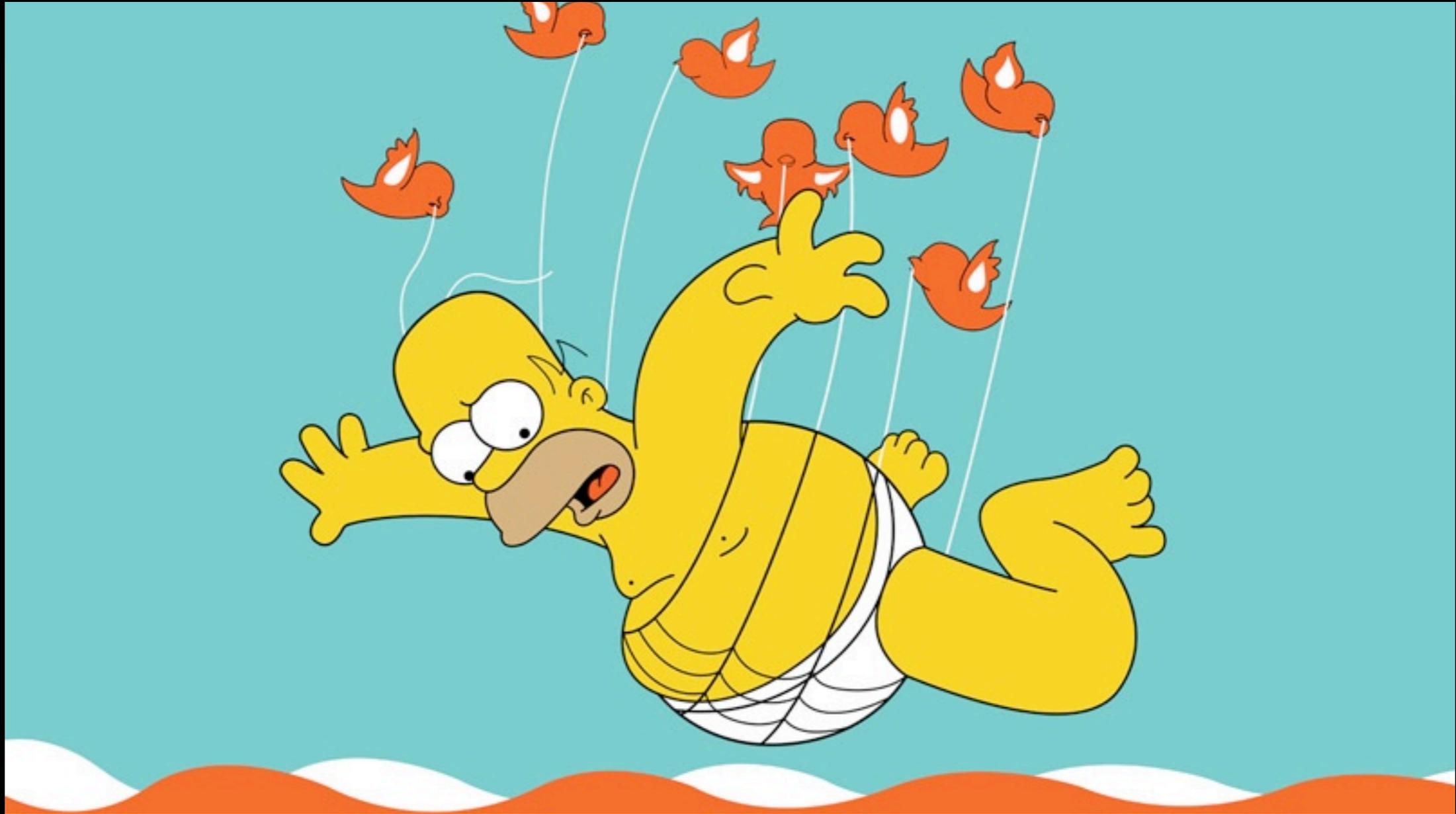# Thanks for coming!

Co-Founder

MASHION

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Ex-Philly Boy

Only place on East Coast I'd move back to.

Talk Nerdy to Me

Two Years Ago...

I'm sorry

PaaS is my new shiny

Platform as a Service

Heroku

... but you can run it yourself

The Land Of Services

aka the fifth circle of hell

Empower Employees

I'm looking at you Enterprise

Erlang / OTP

They solved this problem

Understanding through Building

Cloud Controller

Commands

- Push / Update

- Start / Stop / Restart

- Map to URL

Cloud Controller

Droplet Execution Agent (DEA)

DEA

- Assign a port (80's unavailable)

- Manage resources

- Knows about runtimes and frameworks

Cloud Controller

Message Queue (Nats)

DEA

Router

CC

DEA

Nats

Router

- Knows about hostnames, ip addresses, and ports

- Binds to 80

- Communicates with DEA and CC over NATS

Router

CC

DEA

Nats

Health Manager

That's Cloud Foundry

well... a simplified version at least :-)

Key Facts

- From VMware

- Open Sourced on April 12th, 2011

- http://cloudfoundry.org

Production Ready?

Micro Cloud

Let's Play

Thanks...

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