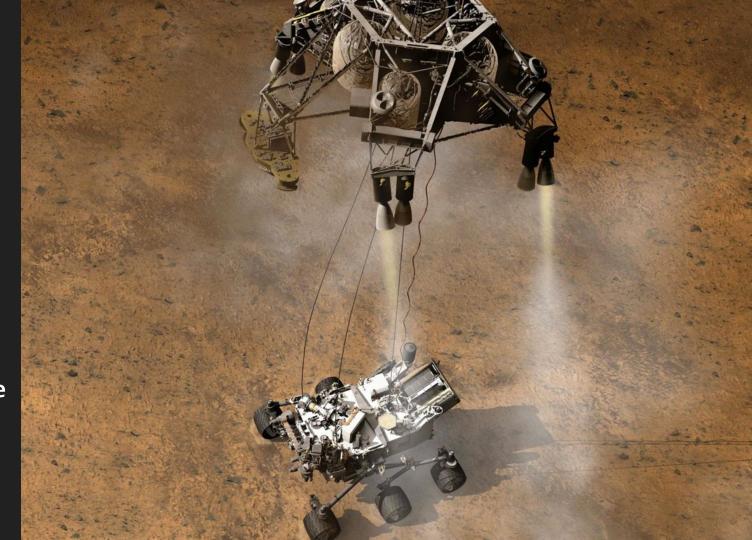


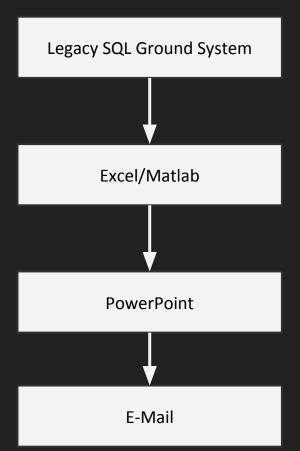
Building **spacecraft** 

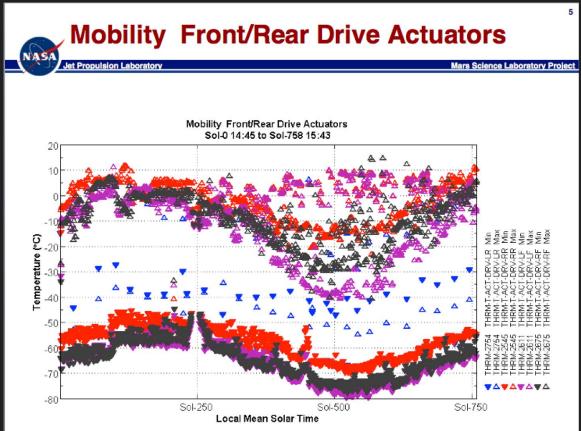
is very different than

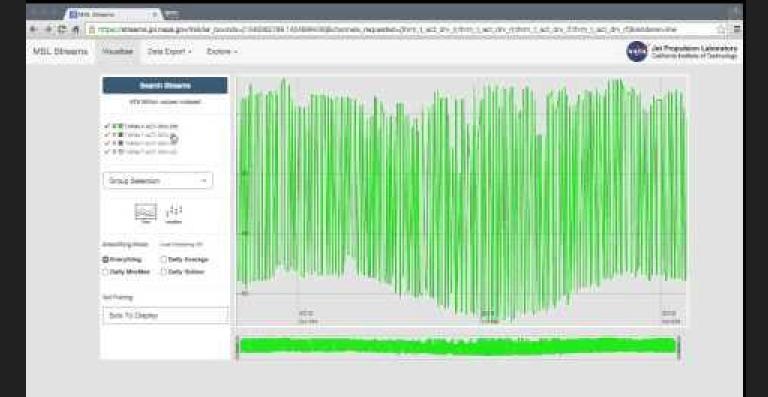
building
ground software



### The Old Way





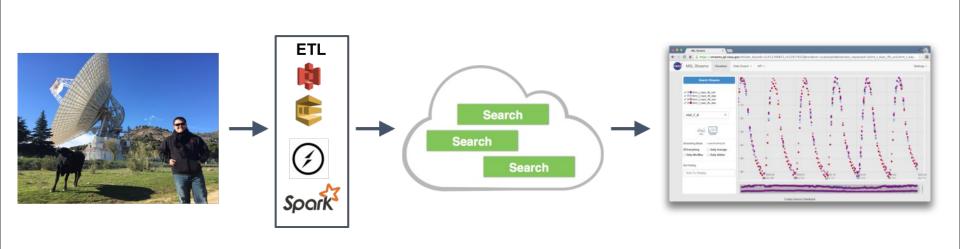


# search

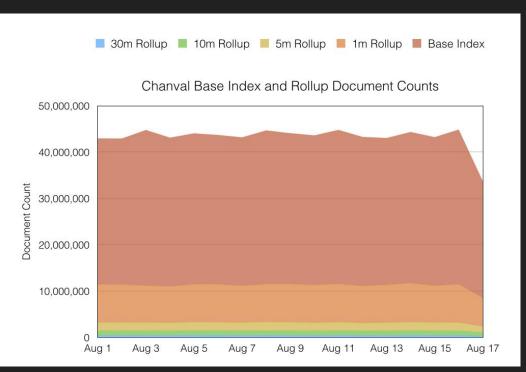
Recipe for greenfield success in enterprise:

Pair a *passionate* end user with a *passionate* developer

## The New Way



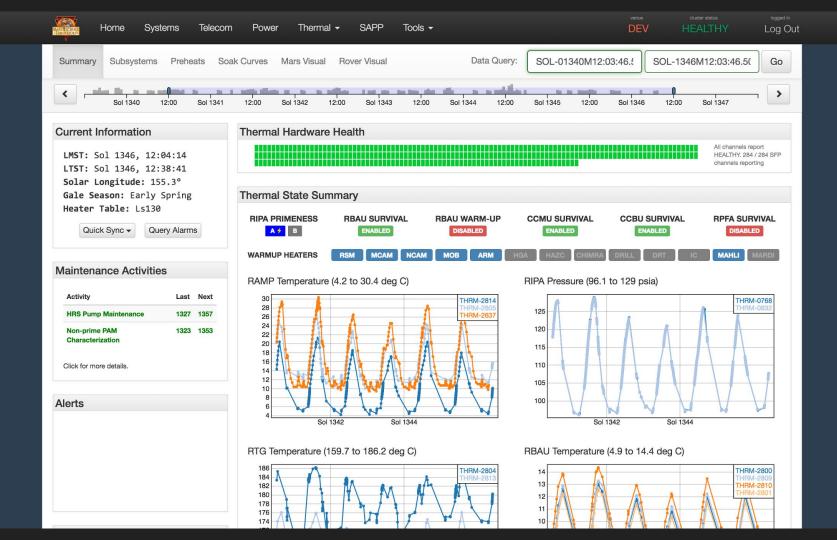
#### Keeping Queries Fast with Rollups



Base Index, 1 month

10m Index, 1 year

## The API is the deliverable

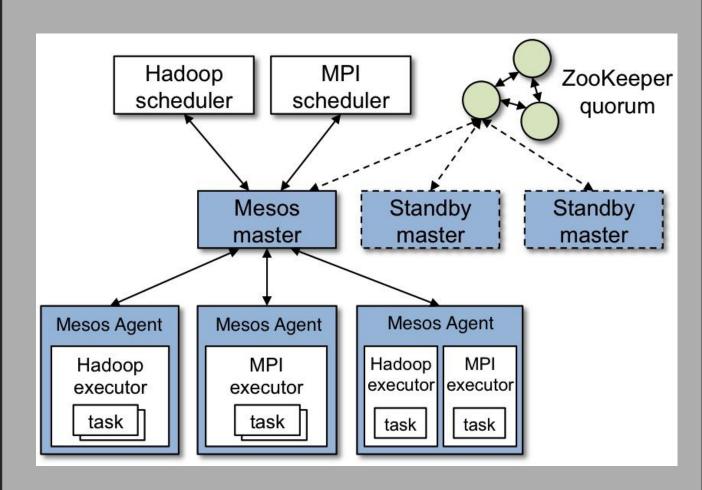


# lead to natural evolving DevOps cultures

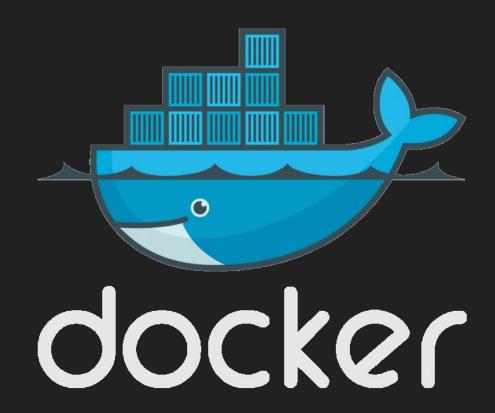
Impactful low-risk greenfield projects

Mesos and Marathon

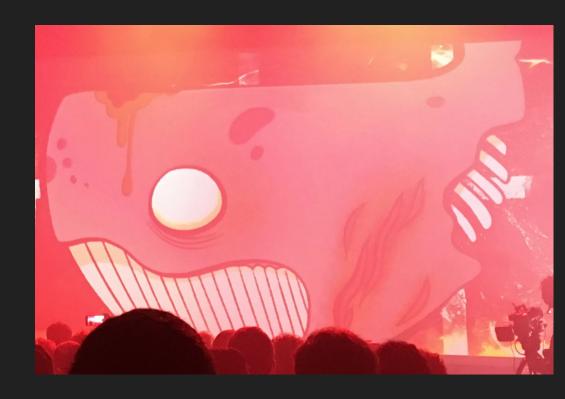
Pre-Kube days (winter 2014)



A breath of fresh air For Developers



A nightmare for traditional Ops



**Me**: You need Twelve-Factor Apps

My Org: No way, what do you know about stateless apps?

Big Time Consultant: You need Twelve-Factor Apps

My Org: Great idea!

## Sometimes you just need external validation

# "Failure is not an option!"

- Gene Kranz, NASA Flight Director

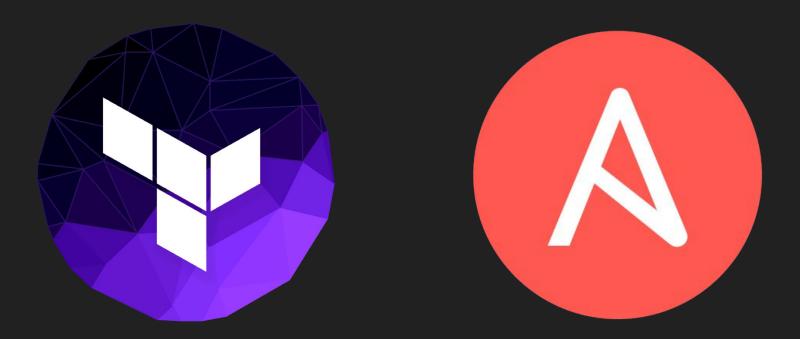
- No DevOps Engineer ever

#### -Innovation-

FAIL FASTER

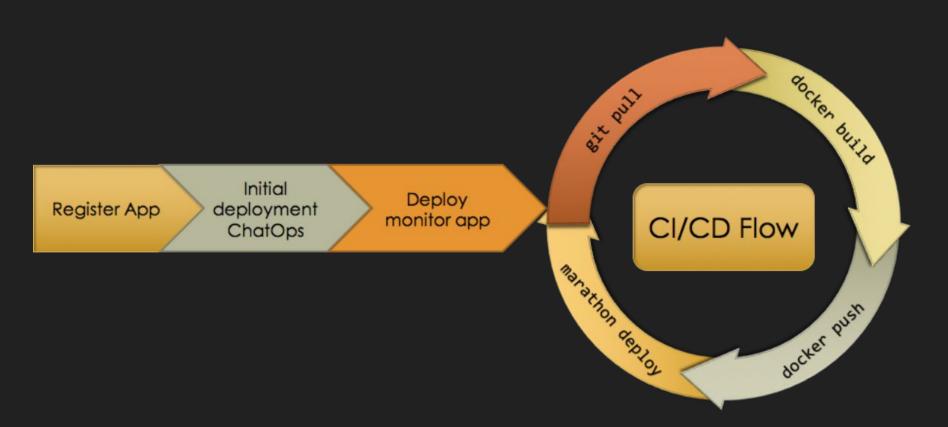
FAIL OFTEN

#### Immutable Infrastructure



Establishes the premise for agile recovery

#### You will be replaced by a self-service CI/CD Pipeline



#### MOCCI Demo



Dan Isla 1:27 PM

@jarvis deploy disla/demoapp?branch=master



Jarvis Robot BOT 1:27 PM ☆

We have app

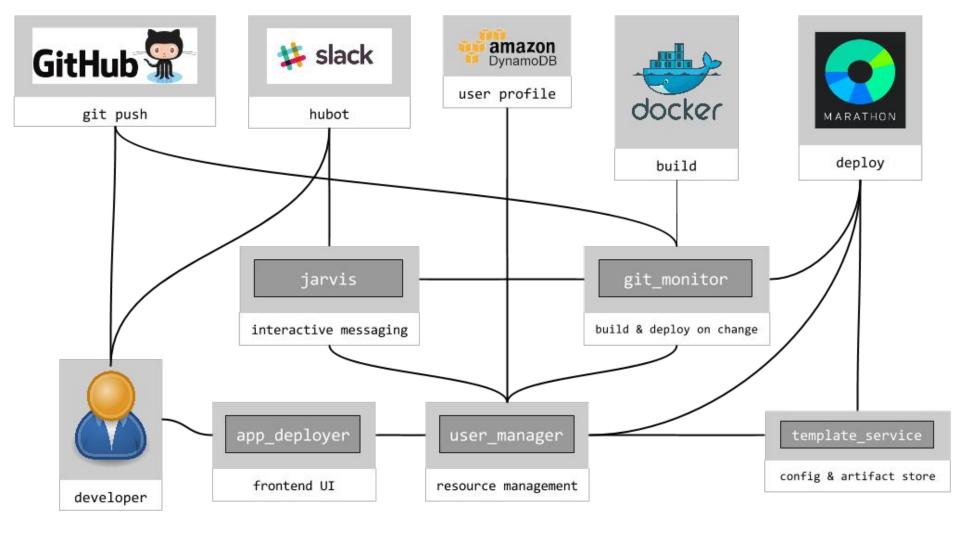
build for disla/demoapp?branch=master @ 3c161 skipped because it already exists.

oisla/demoapp?branch=master @ 3c161: canary container started, running for 10 seconds...

disla/demoapp?branch=master @ 3c161: canary tests passed, mem used: 71M / 128M 🍟 continuing with deployment...

deployment started for: disla/demoapp?branch=master @ 3c161 ...

deployment complete for: disla/demoapp?branch=master @ 3c161 available at: disla-demoapp.cld.jpl.nasa.gov

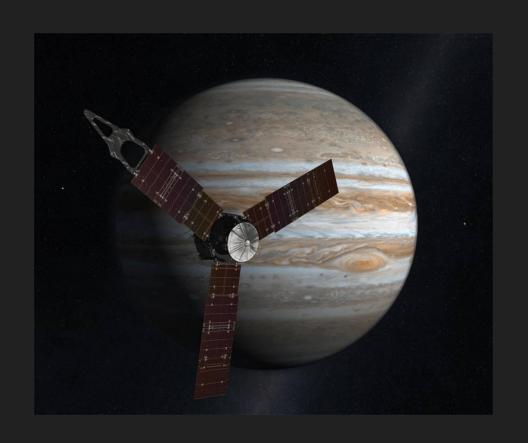


Level up your

Dev and Ops

Skills





#### Staying up to date

Conferences

Meet ups

Twitter

Medium

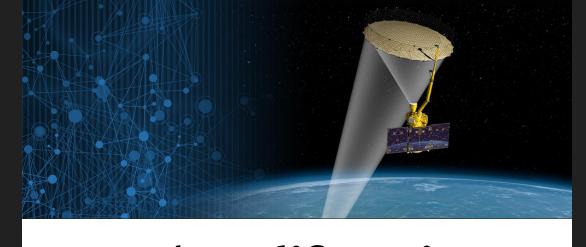
Hacker news

Read the Changelog!

## DevOps is not Rocket Science

#### It's all about the people you work with





\_search?q=**life**:**universe** 

