IBM Cloud Workshop
Hochschule Reutlingen

—

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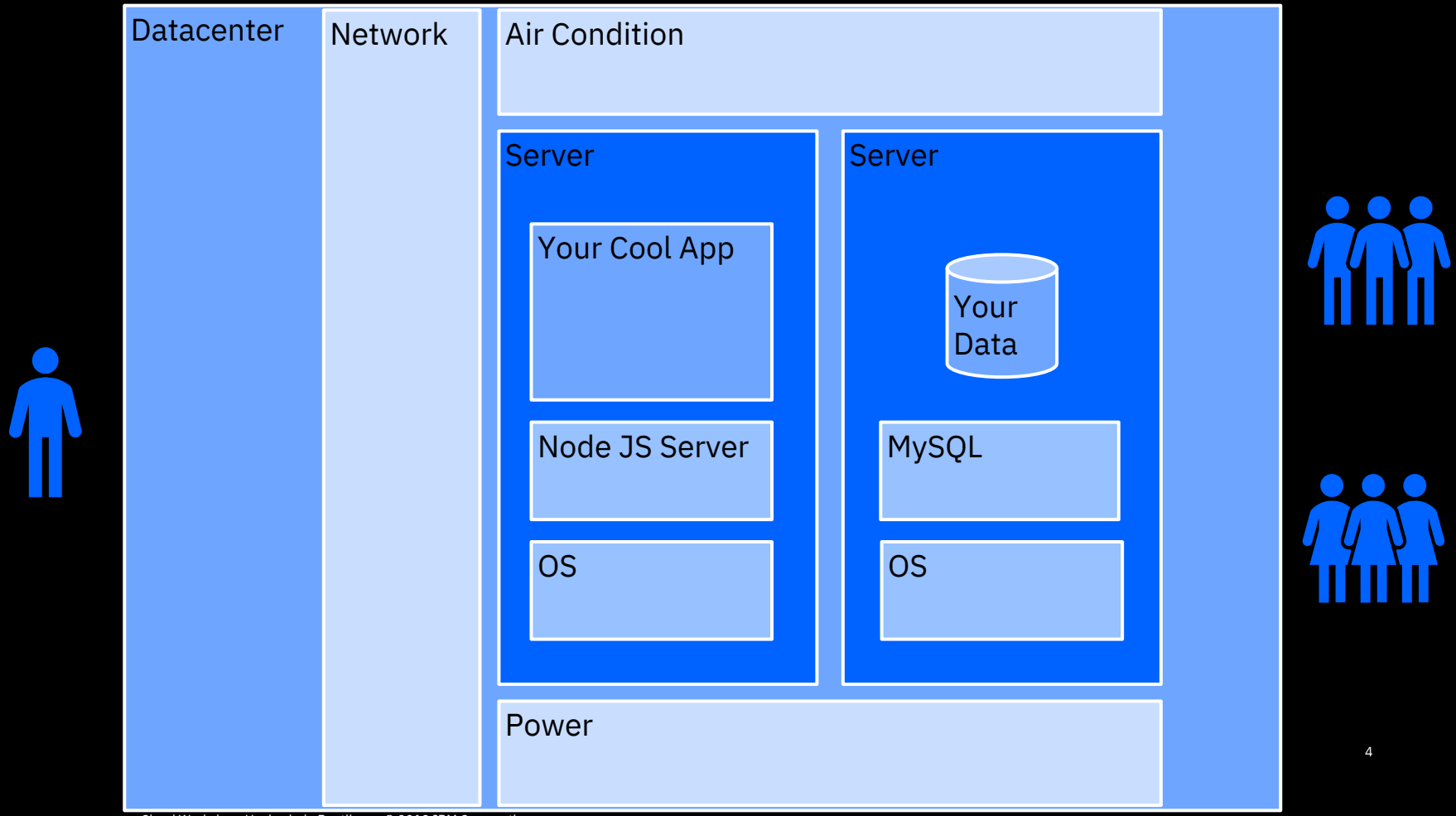
Why Cloud ???

Thought Experiment

No Cloud !!



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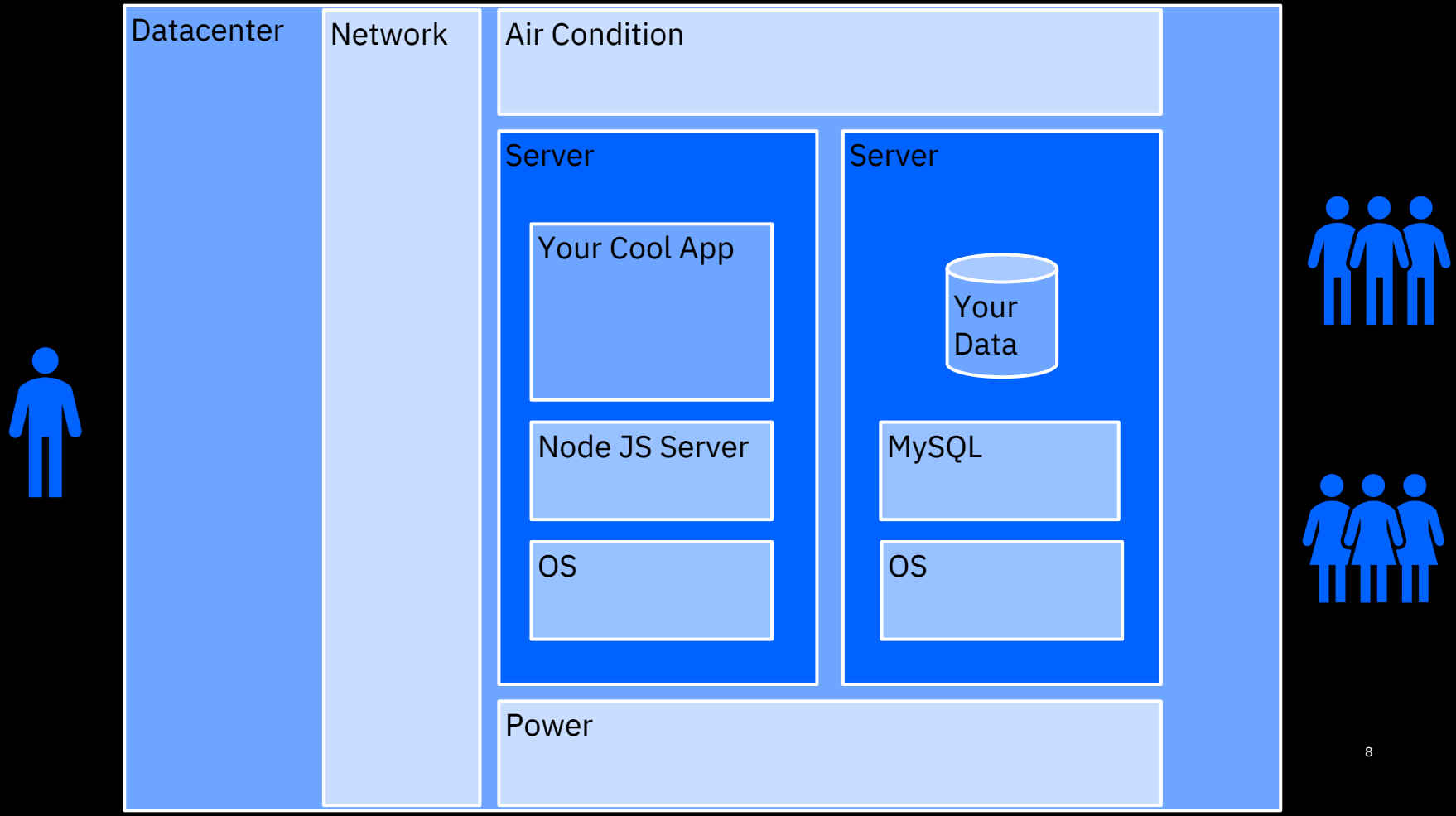
Back to Reality

IaaS

Infrastructure as a Service



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PaaS

Platform as a Service

SaaS

System as a Service

Your Cool App

Node JS Server

Your Data

MySQL

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One more Thing

FaaS

(aka Serverless)

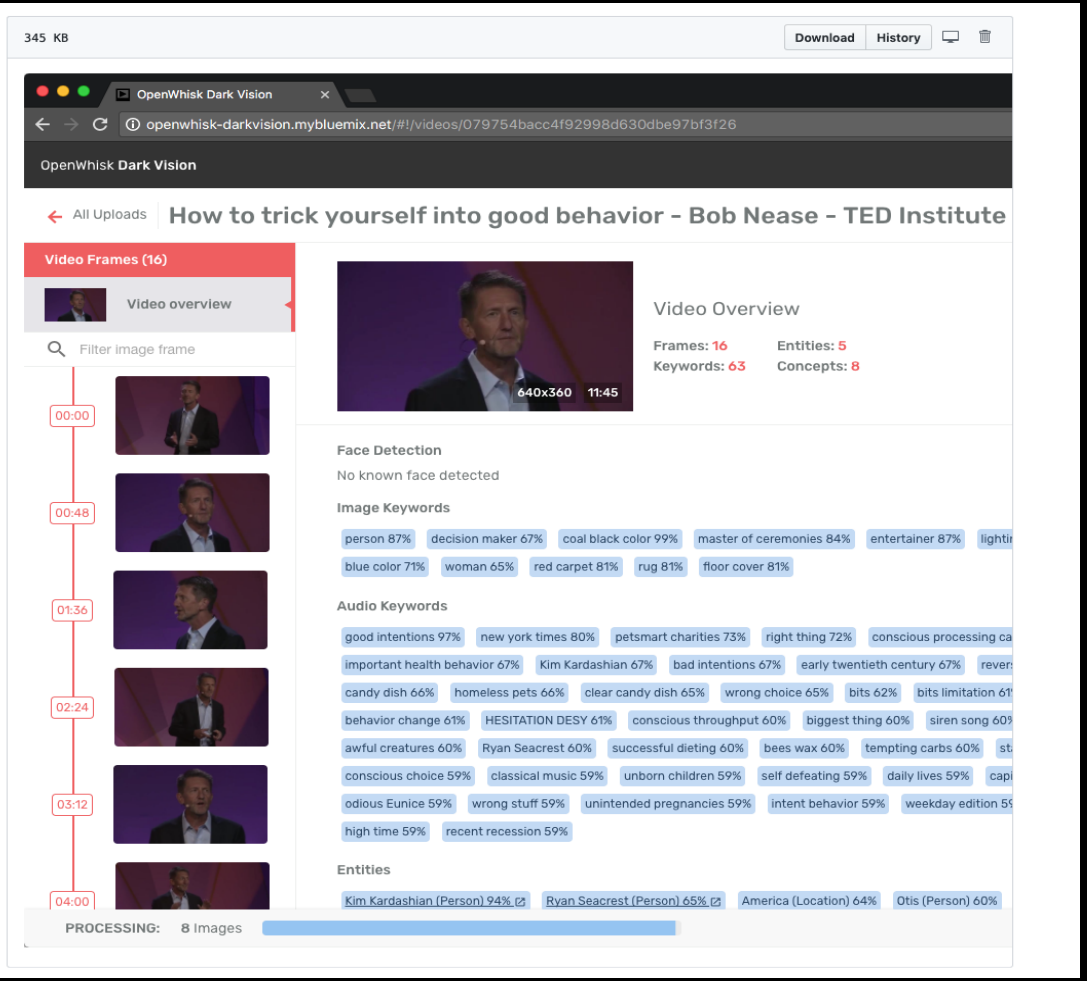
```
function main(params) {
    return { message: 'Hello World' };
}
```

Exposed via API or started by Event

No cost when not invoked

Scales automatically

Sequences to combine actions


345 KB
Download
History
OpenWhisk Dark Vision
openwhisk-darkvision.mybluemix.net/#!/videos/079754bacc4f92998d630dbe97bf3f26
OpenWhisk Dark Vision
All Uploads
How to trick yourself into good behavior - Bob Nease - TED Institute
Video Frames (16)
Video overview
Filter image frame
00:00
00:48
01:36
02:24
03:12
04:00
640x360
11:45
Video Overview
Frames: 16
Entities: 5
Keywords: 63
Concepts: 8
Face Detection
No known face detected
Image Keywords
person 87%
decision maker 67%
coal black color 99%
master of ceremonies 84%
entertainer 87%
blue color 71%
woman 65%
red carpet 81%
rug 81%
floor cover 81%
Audio Keywords
good intentions 97%
new york times 80%
petsmart charities 73%
right thing 72%
important health behavior 67%
Kim Kardashian 67%
bad intentions 67%
early twentieth century 67%
candy dish 66%
homeless pets 66%
clear candy dish 65%
wrong choice 65%
bits 62%
behavior change 61%
HESITATION DESY 61%
conscious throughput 60%
biggest thing 60%
awful creatures 60%
Ryan Seacrest 60%
successful dieting 60%
bees wax 60%
tempting carbs 60%
conscious choice 59%
classical music 59%
unborn children 59%
self defeating 59%
daily lives 59%
odious Eunice 59%
wrong stuff 59%
unintended pregnancies 59%
intent behavior 59%
high time 59%
recent recession 59%
Entities
Kim Kardashian (Person) 94%
Ryan Seacrest (Person) 65%
America (Location) 64%
Otis (Person) 60%
PROCESSING:
8 Images

Why Cloud ???

- Speed to Market
- Scale
- Money

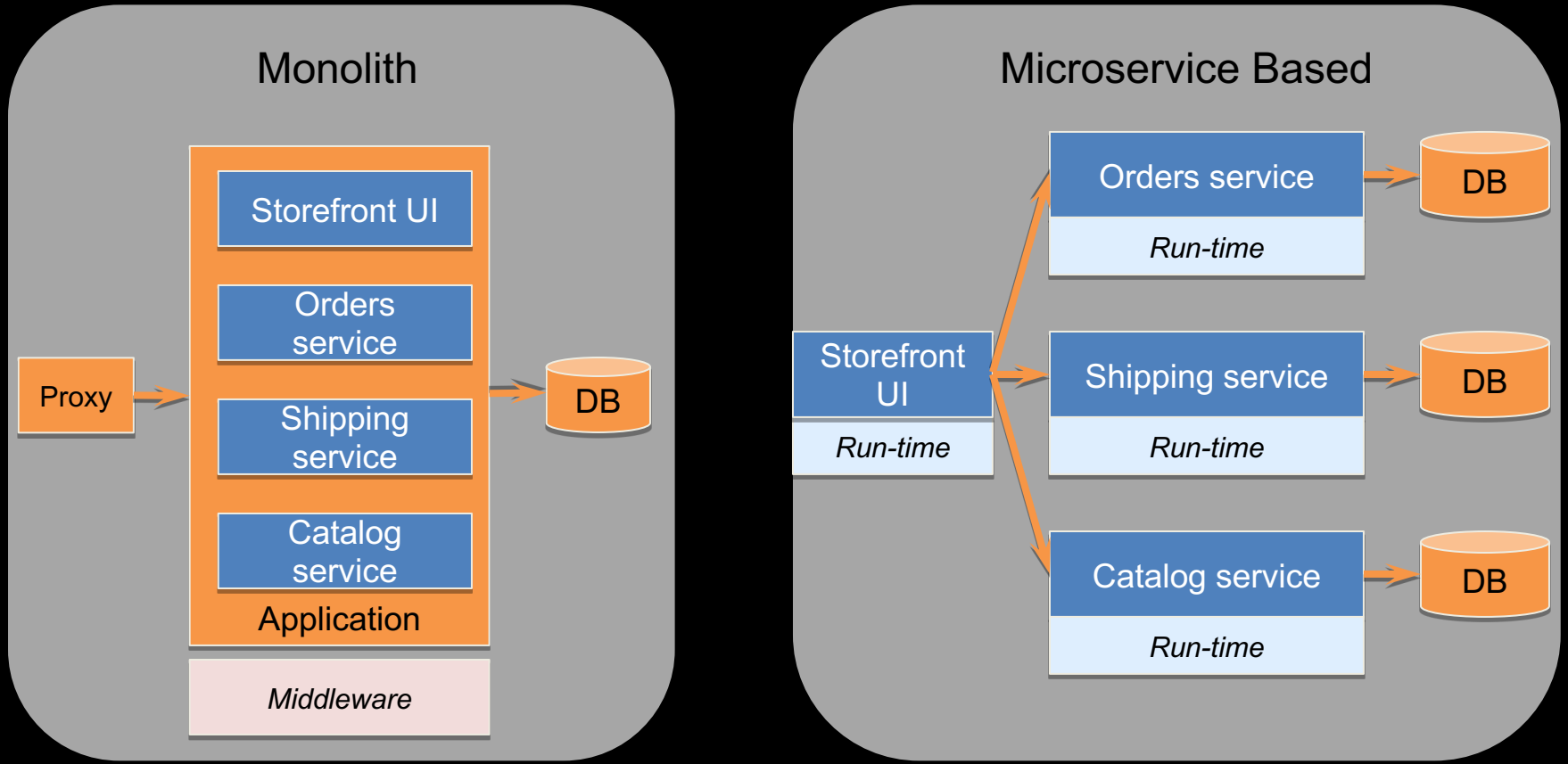
Demo

Platforms & Service Catalog

How ???

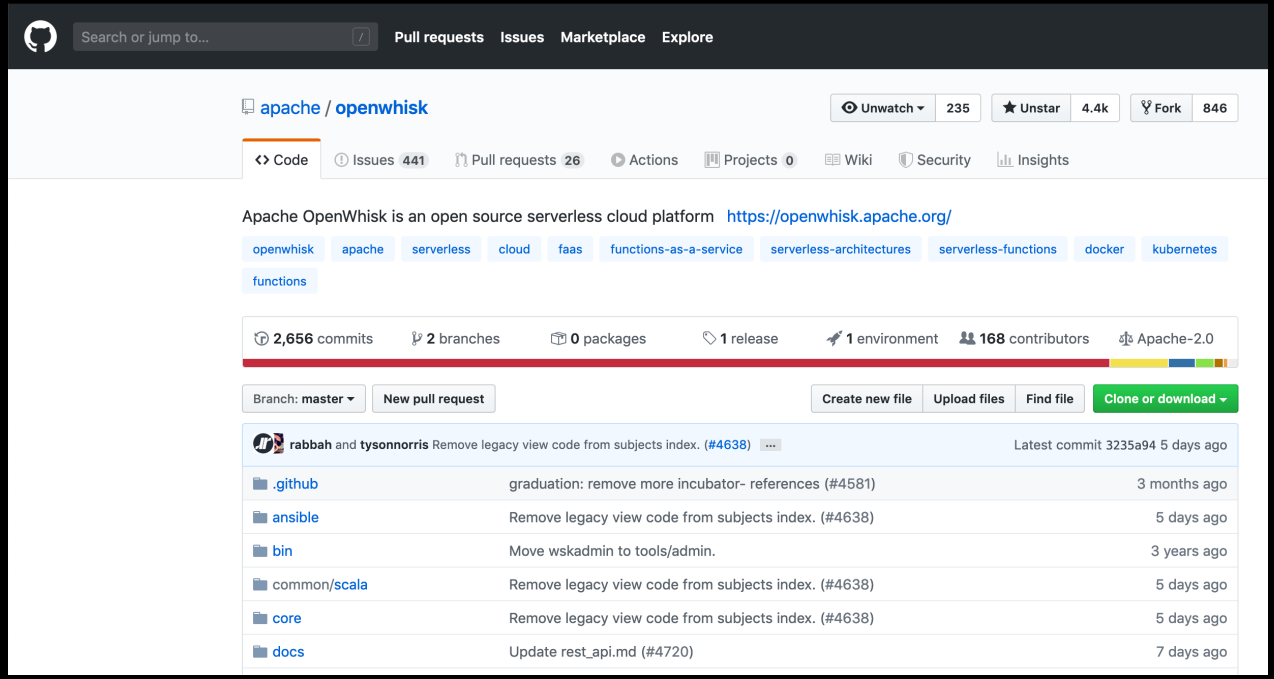
Microservices

Monolith to Microservices - Example



Source Control

Everything is in the Source Repo



CI/CD

Continous Integration
Continous Deployment
(Continous Testing)

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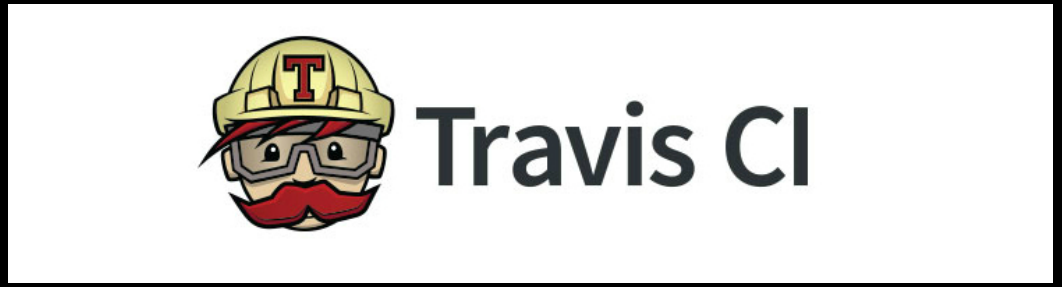
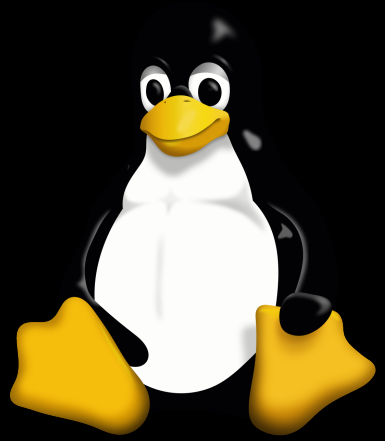
Everything is automated



Open Platforms

Community
Proven



docker

APACHE
OpenWhisk™

kubernetes

Questions