

Lessons Learned in Deploying PaaS

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What we have done
and
why we have done it

Why?

PaaS

PaaS in ALM

Experiences

Future

I'm a consumer



I'm not a PaaS vendor

We help our clients



deliver value

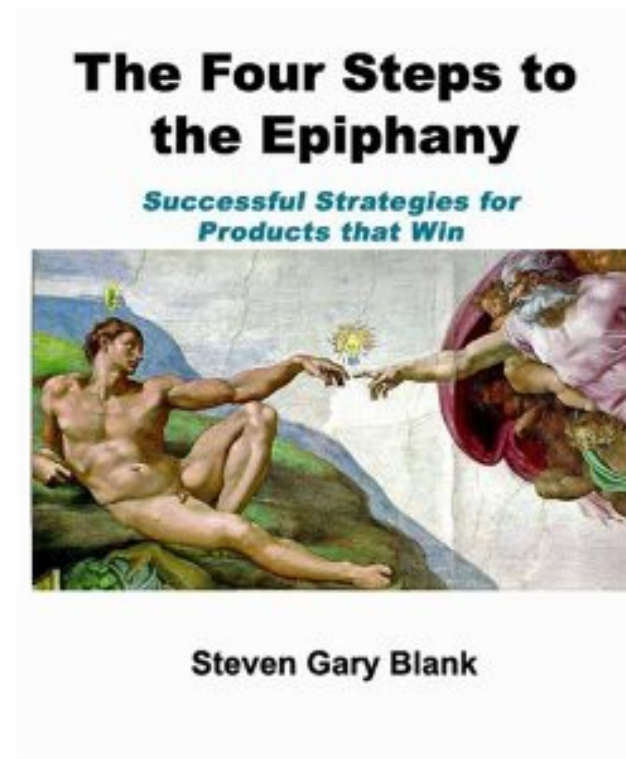
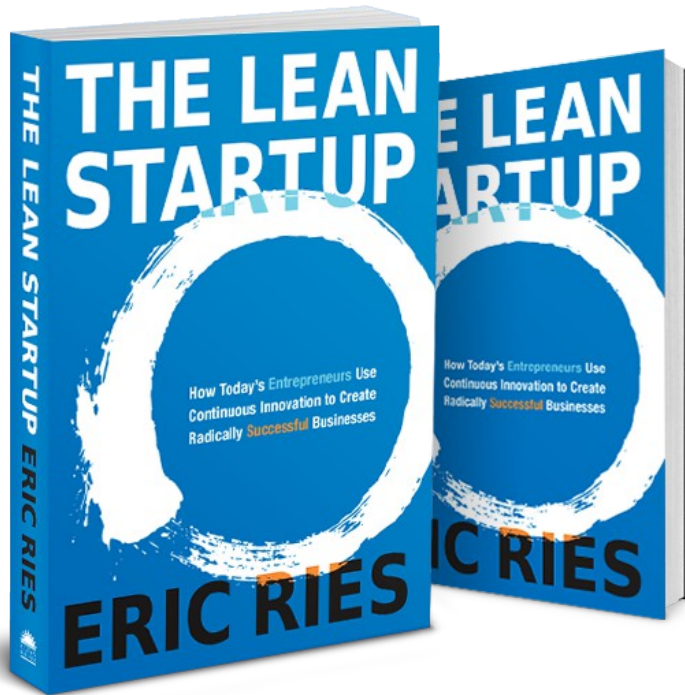
What is value?



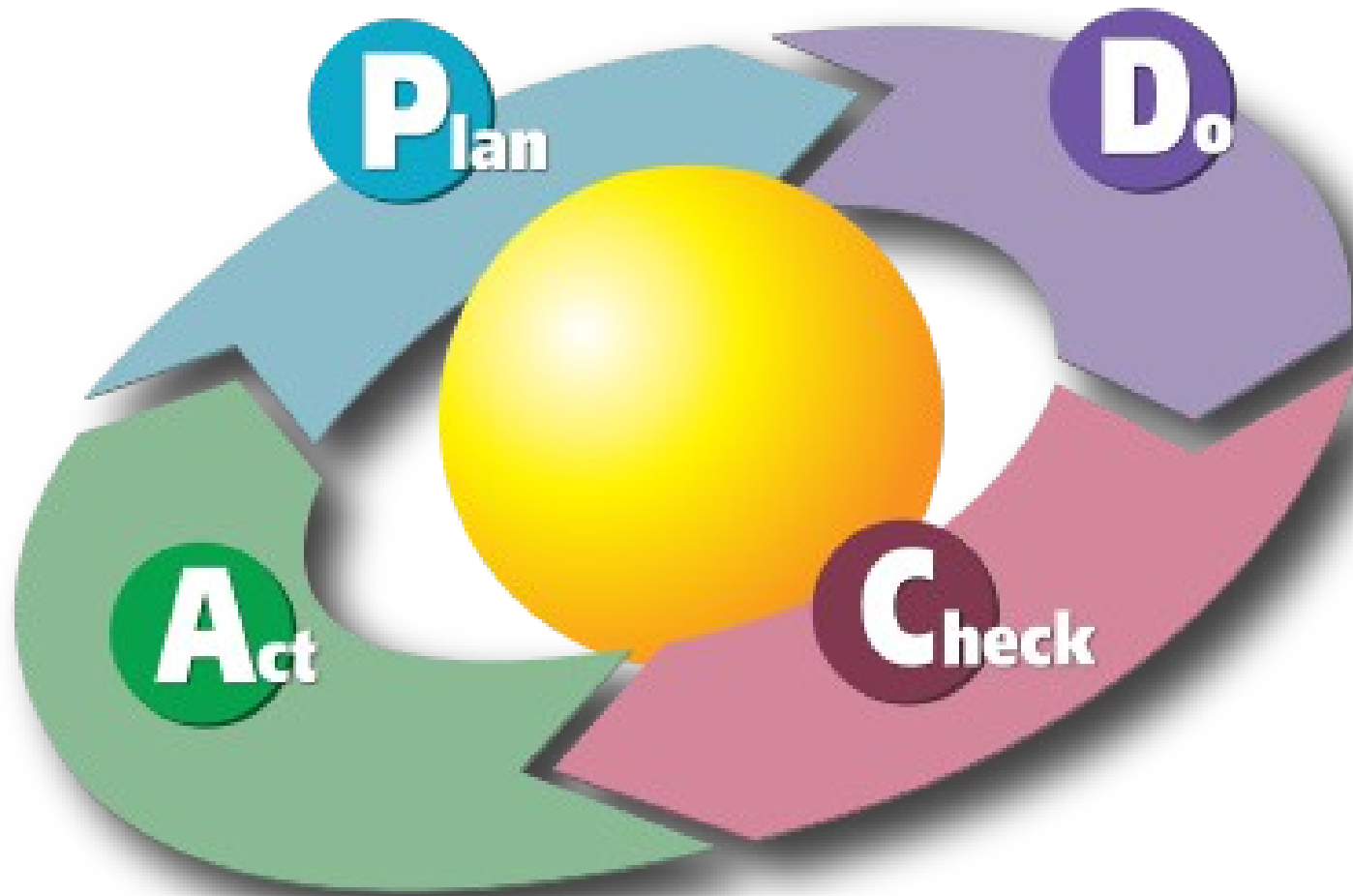
What is valuable?



Fast feedback



Get the MVP out and iterate



Lean



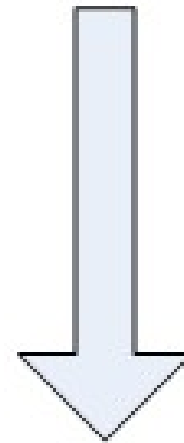
Your value stream changes
as your service matures

You don't know if you need
to customise your stack - yet

**Software
as a Service**

**Platform
as a Service**

**Infrastructure
as a Service**



Pull

MVP

Custom
Stack



Availability

Security

Capacity

Customisation

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PaaS

gets your MVP out quickly

Cloud infrastructure



is akin to car hire

PaaS
commoditises IaaS

Avoid vendor lock-in



New Message

Cancel

To: paascustomer

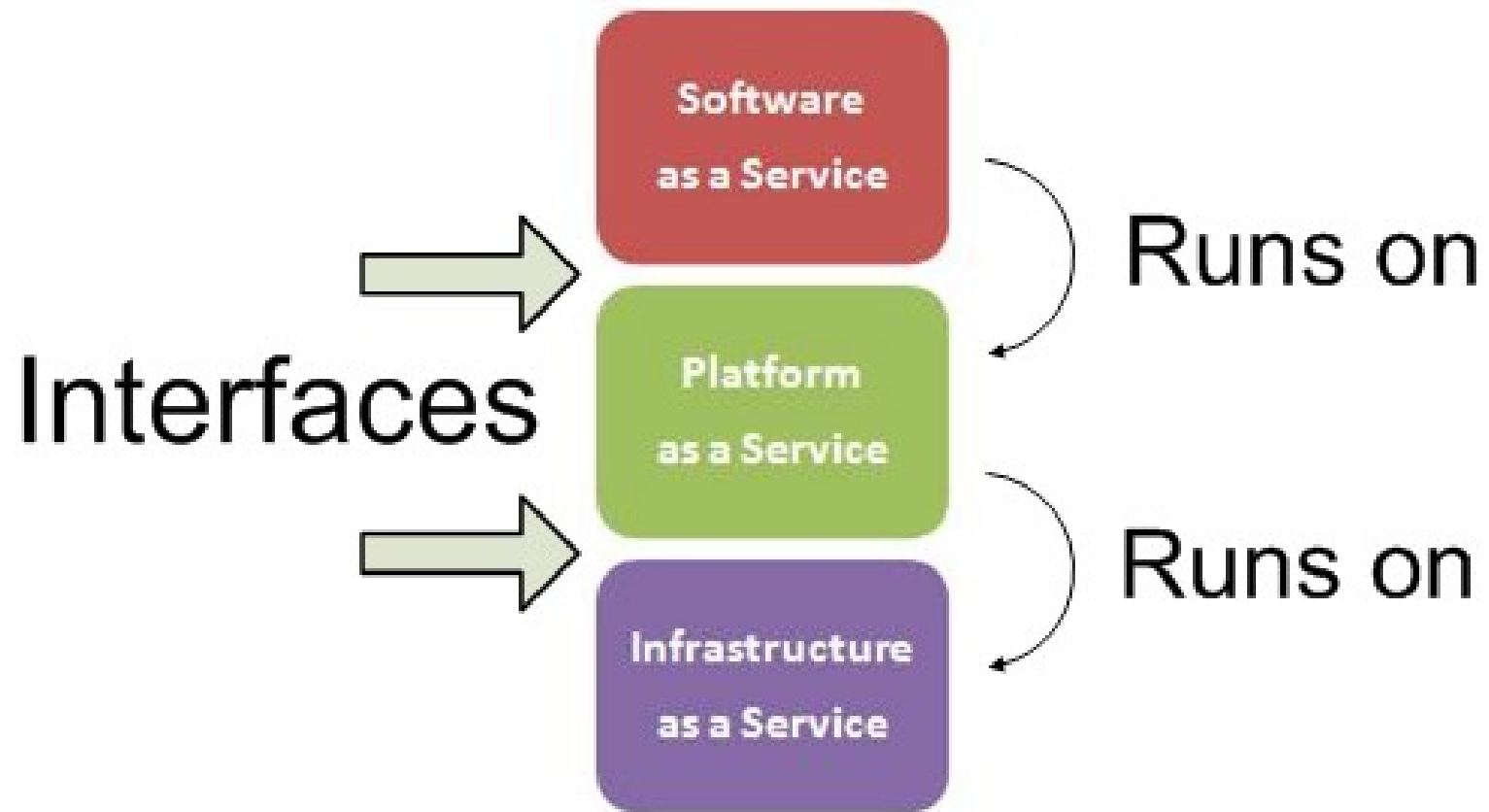
heroin x



I love heroku

Send





Why?

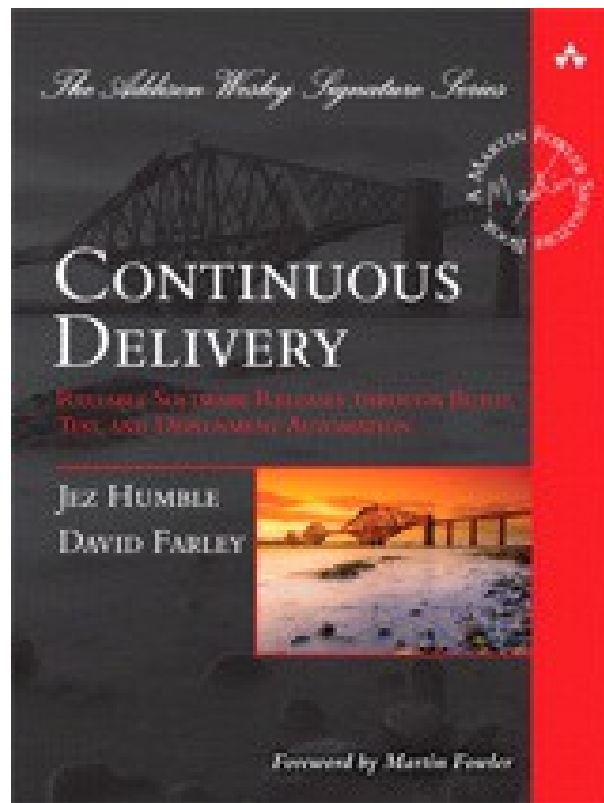
PaaS

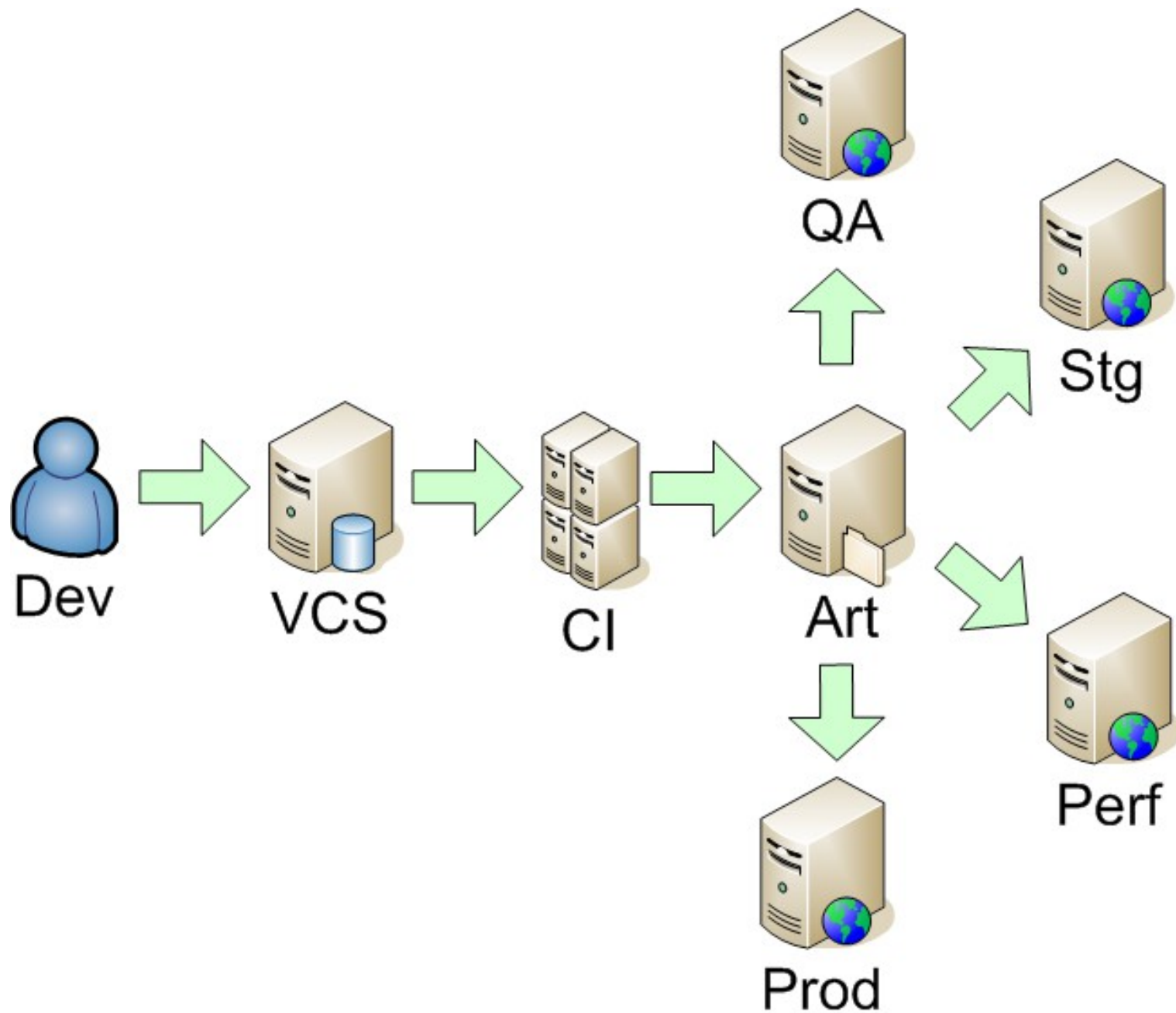
PaaS in ALM

Experiences

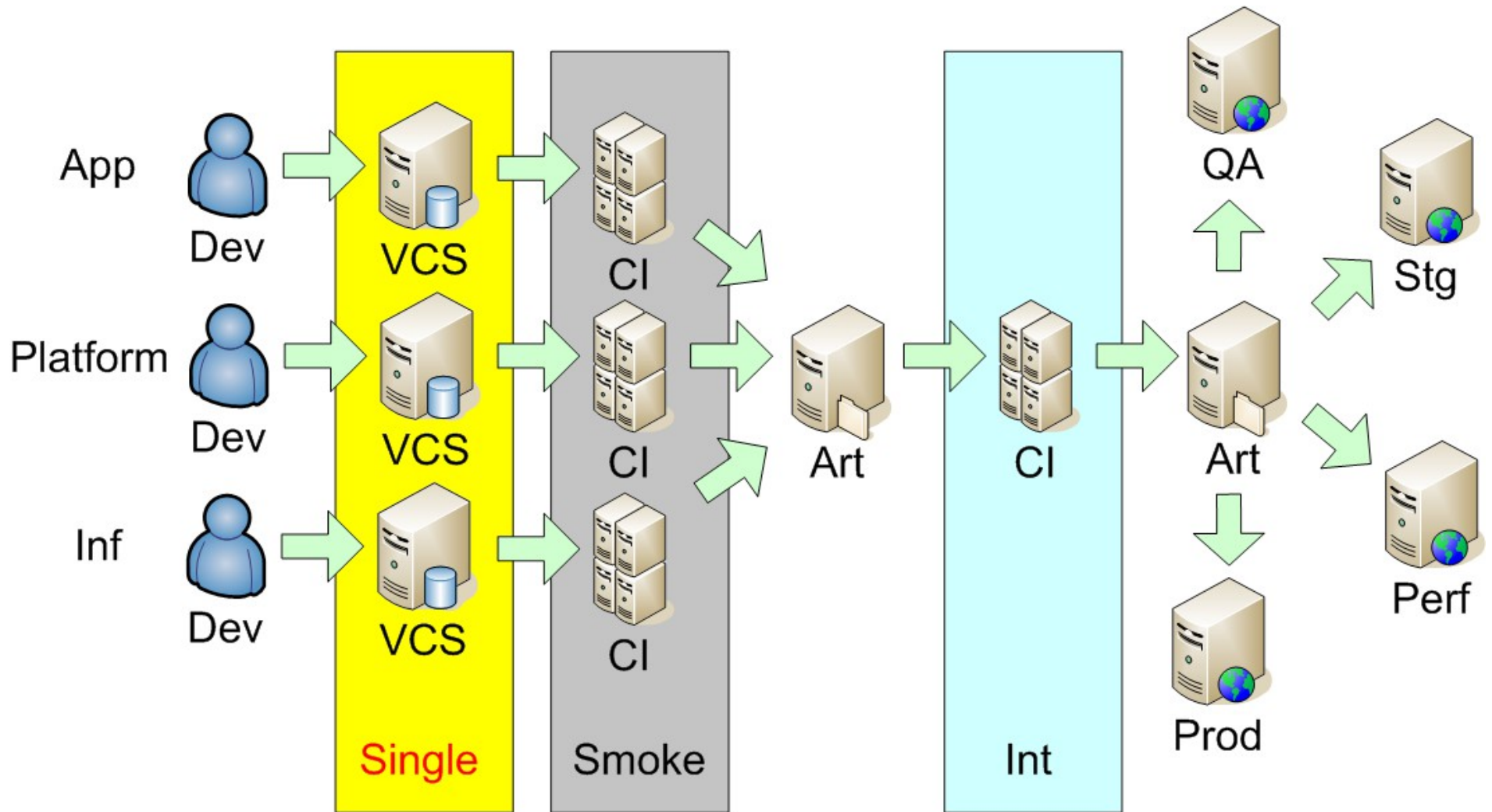
Future

Adoption of Continuous Delivery patterns is becoming ubiquitous





Customising your stack



Why?

PaaS

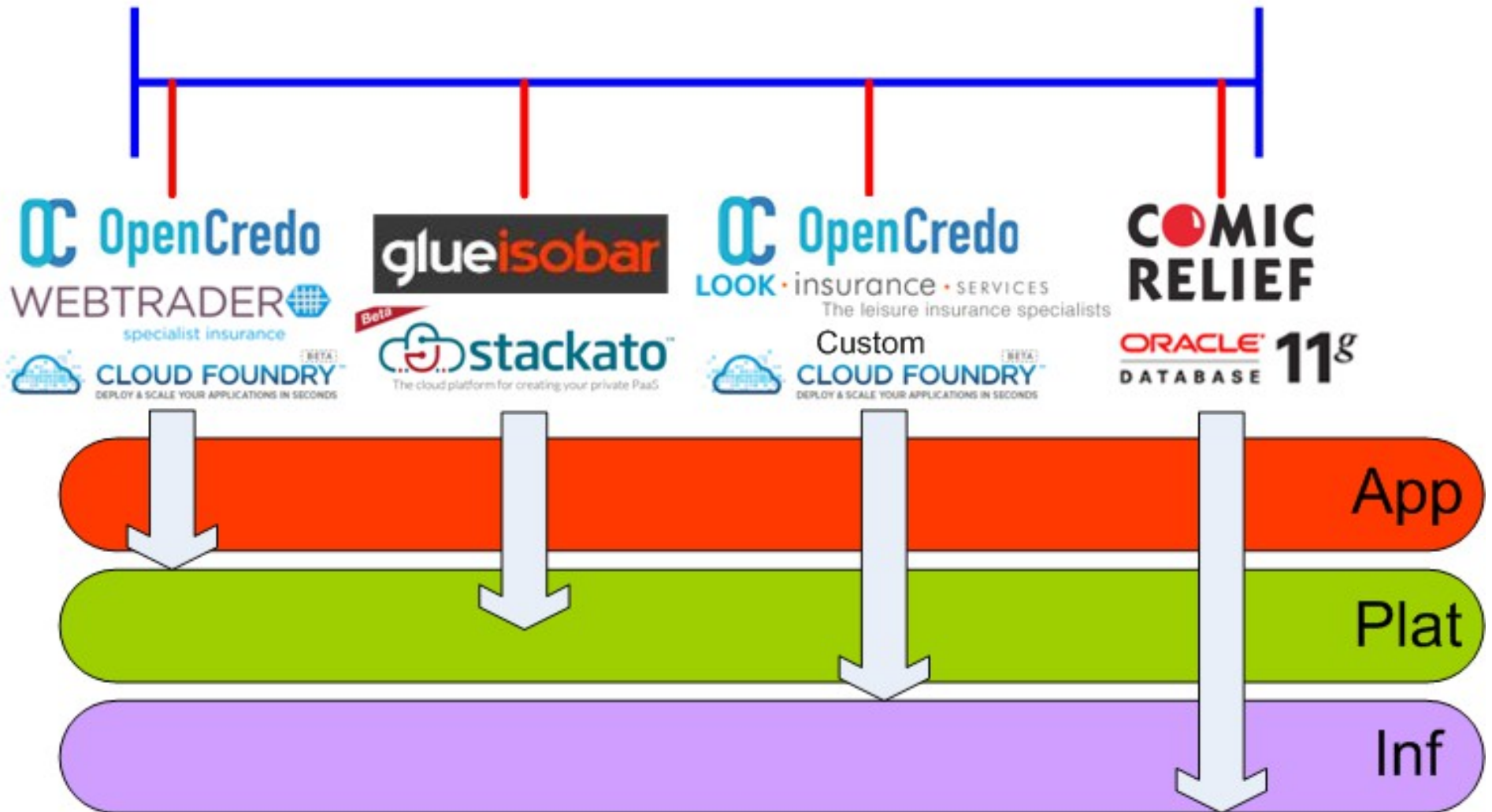
PaaS in ALM

Experiences

Future

MVP

Custom Stack

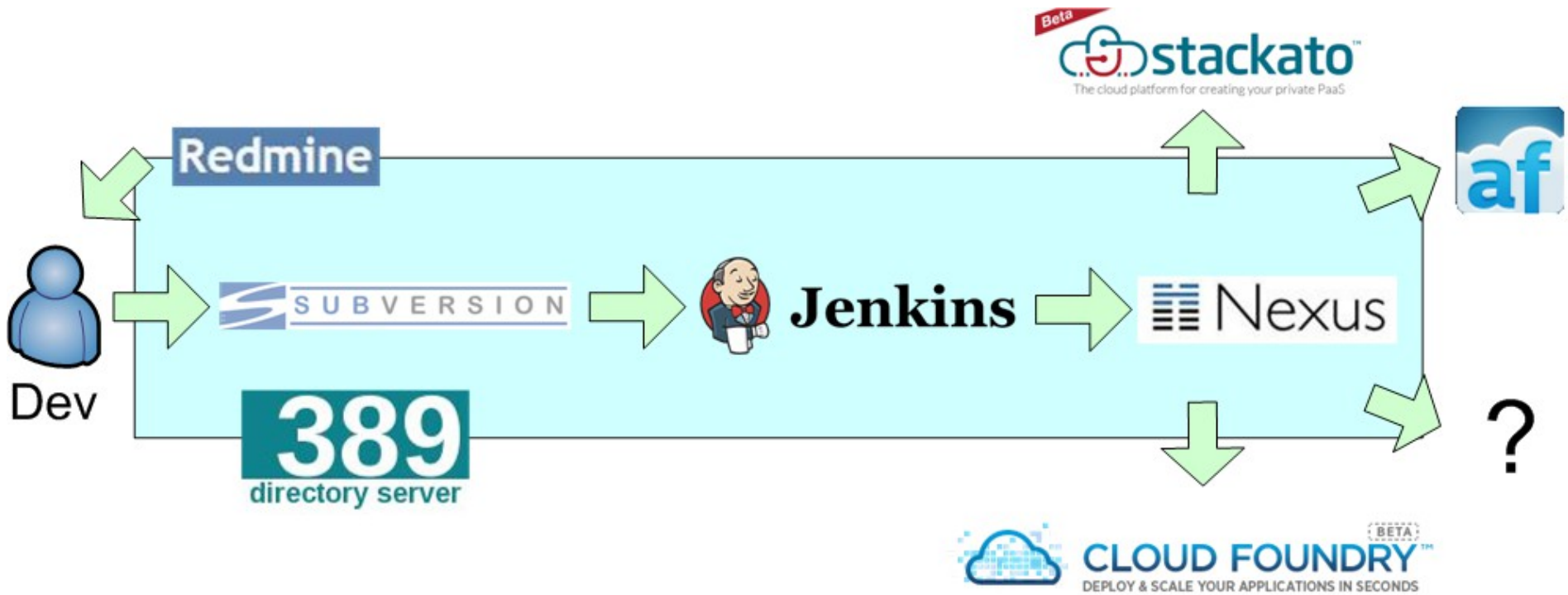


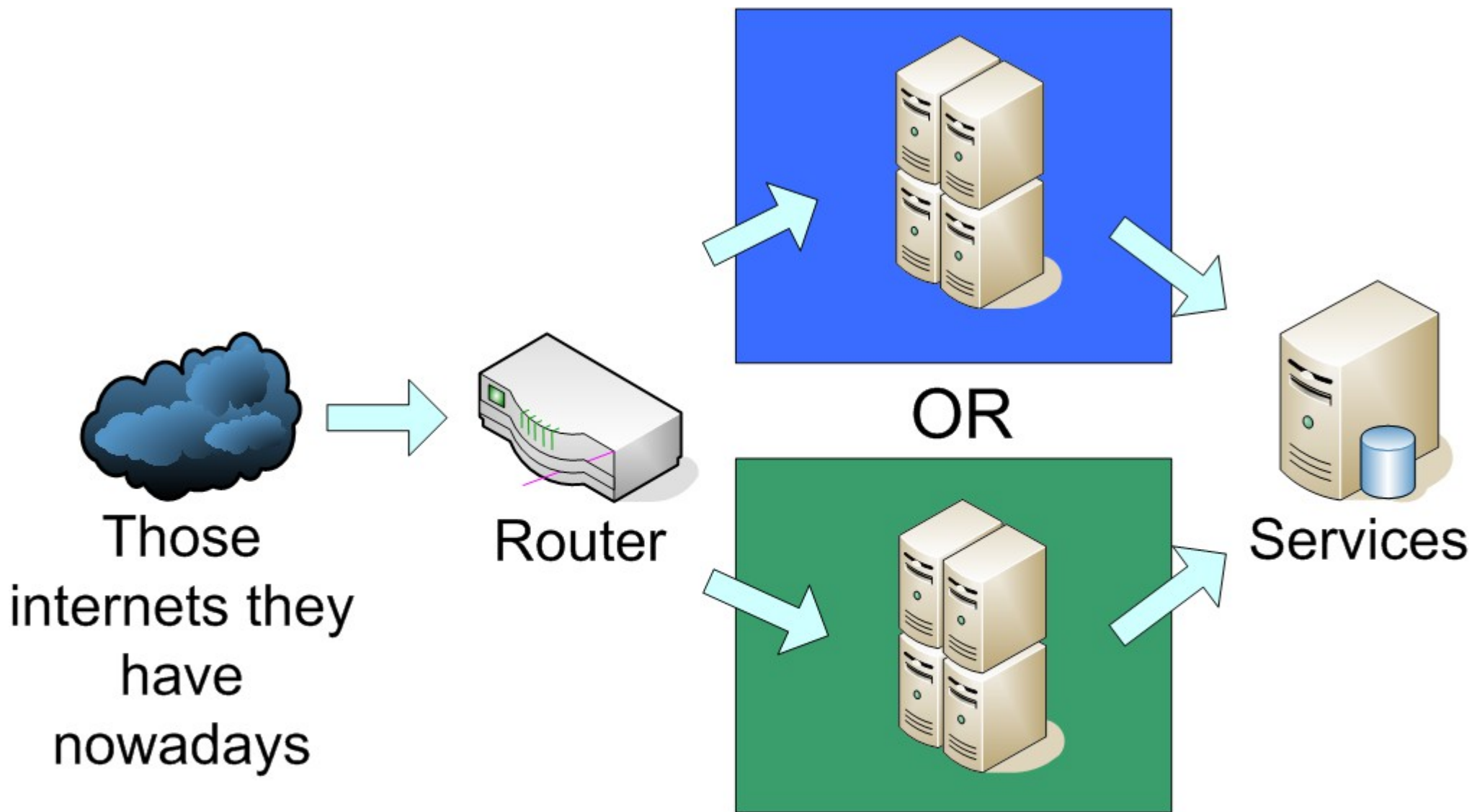
Development Environments



Vagrant / VMWare

ALM





Capistrano-CloudFoundry

Configuration Management



Chef

Chef-Solo

Operations

Logging



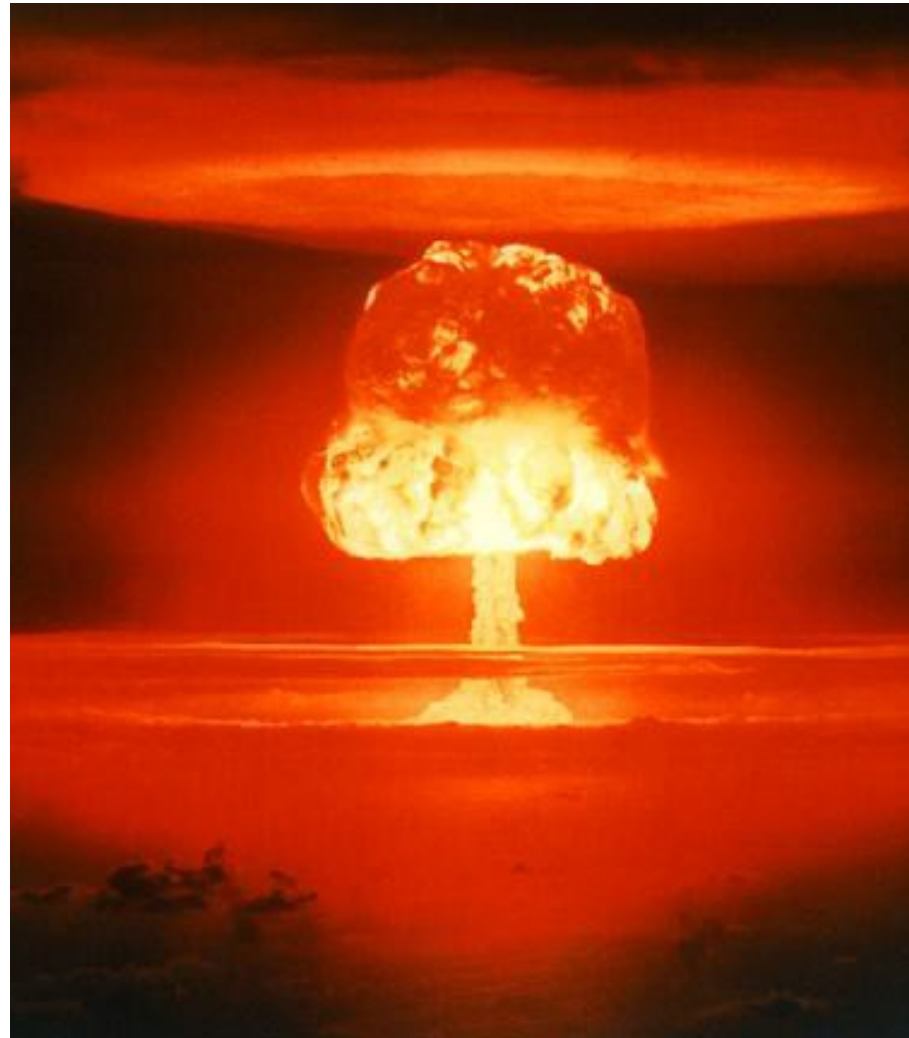
cloudfoundry-graylog2

Monitoring



Monit, New Relic, Cucumber-Nagios

Explosions



Beware of leap years

Developers



need a change of mindset

Cloudy \neq Good

Problems can be hidden

Consistency can be difficult

Stackato binaries are helpful

PaaS is not a silver bullet

People problems won't disappear

Mechanical sympathy is still
required

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Feature flags
Dark launching

CF LXC (Stackato has this)
Service scalability
Application auto-scale

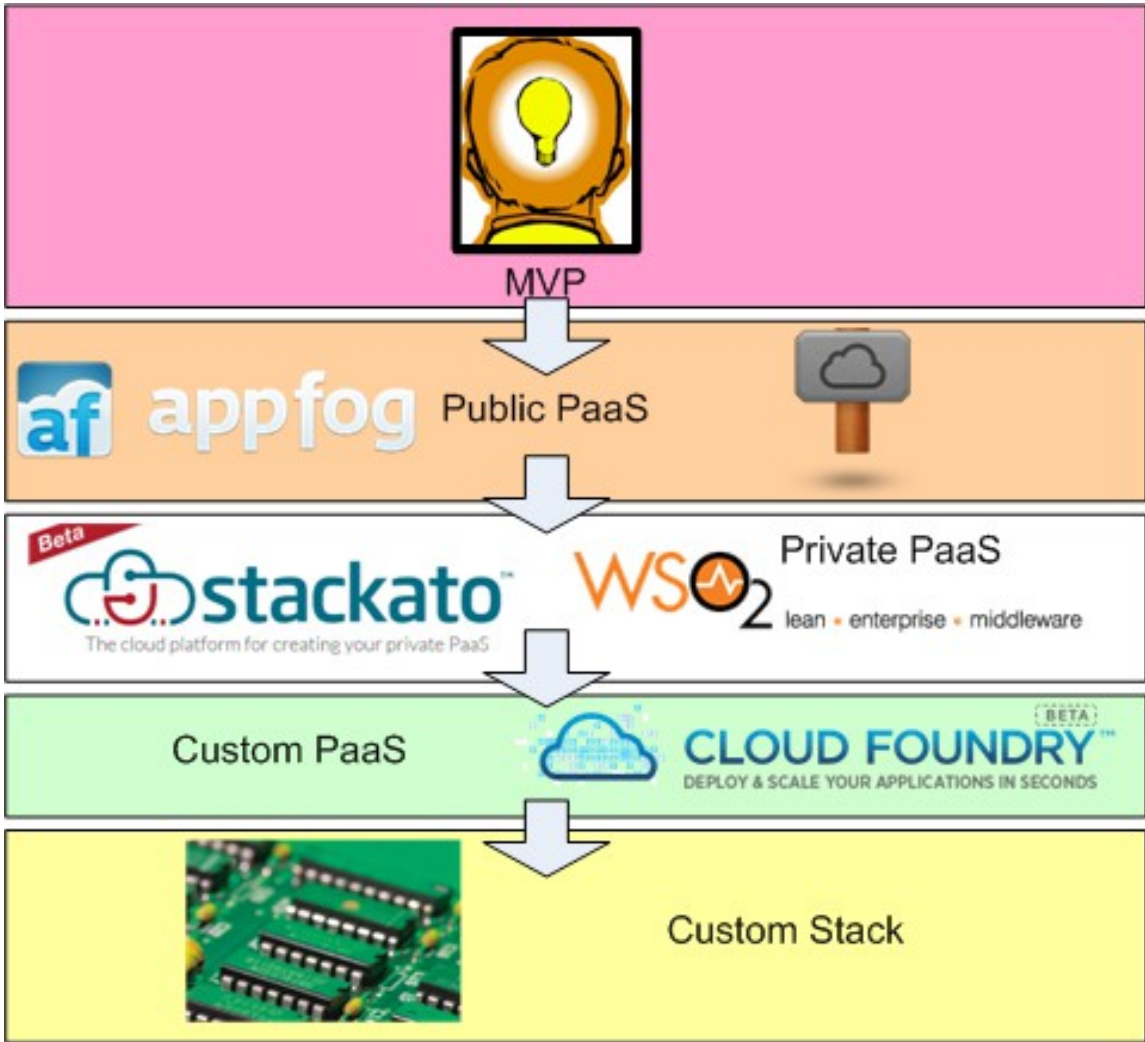
Value-Driven Development



Monitoring sucks
Tooling sucks

True multi-cloud





Pull capabilities when required

Thank you for listening

Let's talk

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