



# AGILE RELIABILITY WITH RED HAT IN THE CLOUDS - YOUR SOFTWARE LIFECYCLE SPEEDUP RECIPE

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WALL OF CONFUSION



# Enable Digital Transformation

It requires an evolution in...



New ways of  
developing, delivering,  
and integrating  
applications



Modernize existing and  
build new cloud-based  
infrastructure



More agile process  
across both IT and  
the business

# Dev | Ops or DevOps | Conway's Law


“Organizations which design systems ... are constrained to produce designs which are copies of the communication structures of these organizations.”

– M. Conway



“When development groups change how their development staff are organized, their current application architecture will work against them.”

– Al Shalloway



# DEVELOPMENT AND DEPLOYMENT IS CHANGING



Waterfall




Agile




DevOps


**Process**



Datacenter




Hosted




Hybrid


**Infrastructure**



Monolith



N-Tier

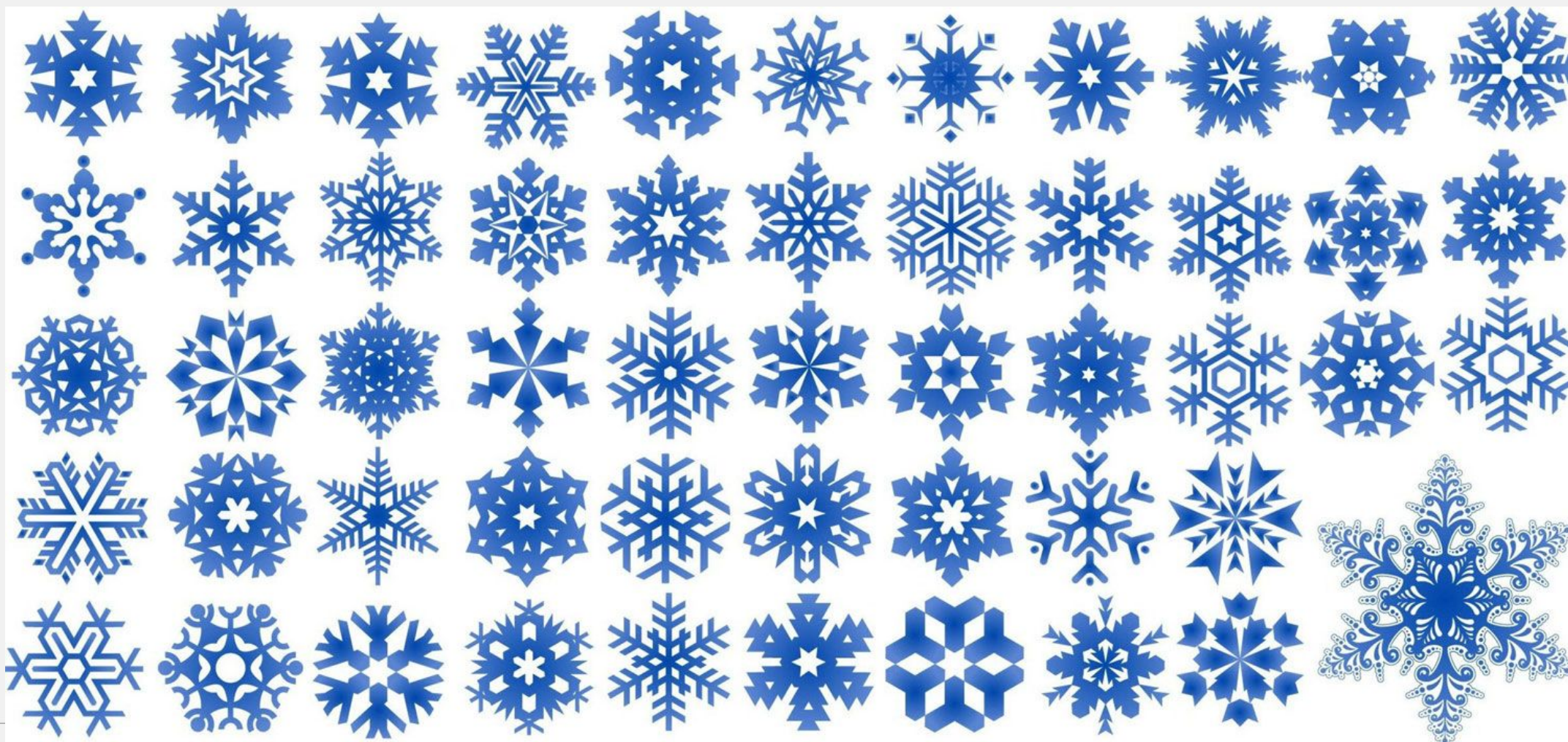


Microservices

**Architecture**



# Snowflakes or Phoenix?

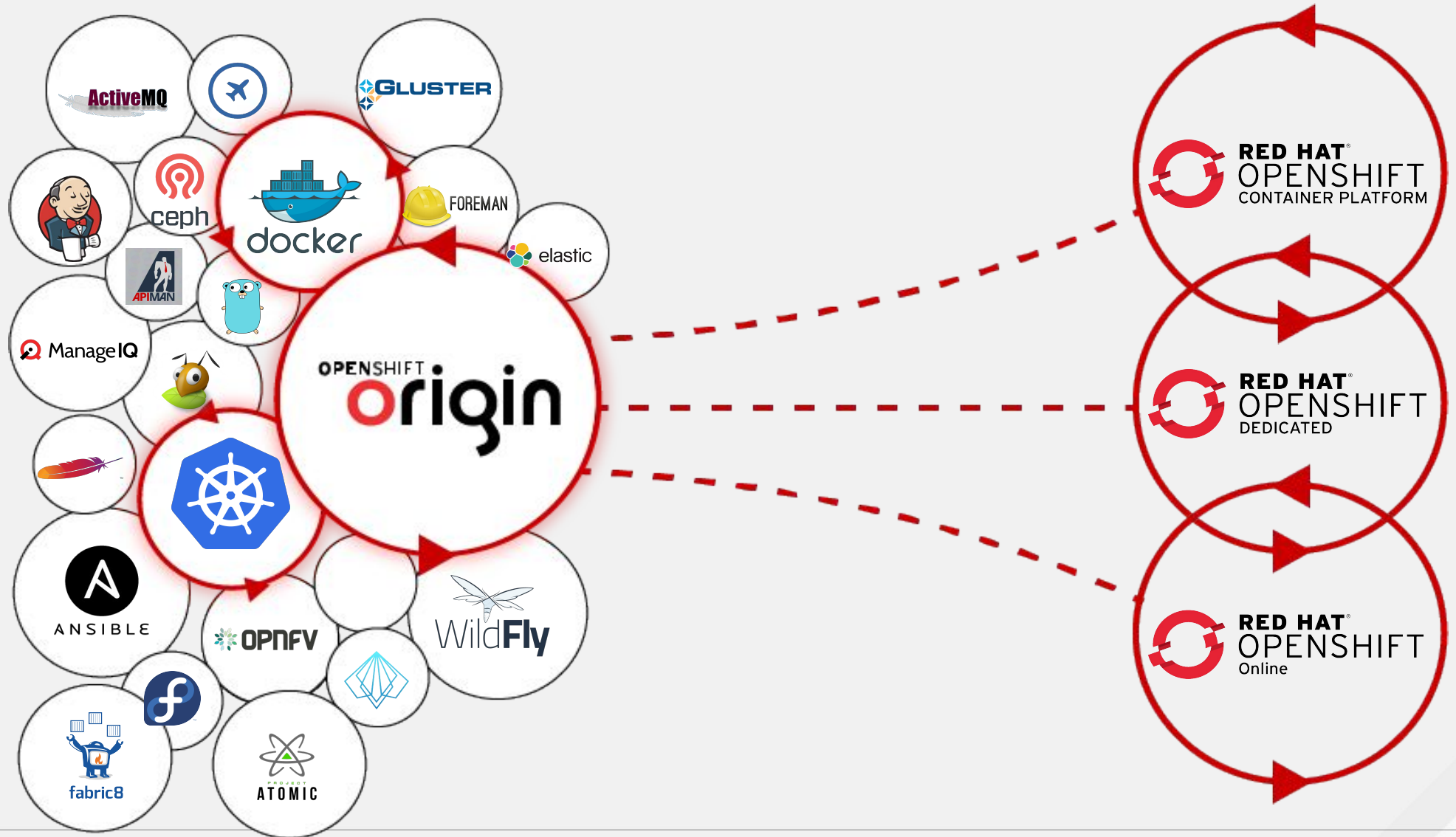


# Snowflakes or Phoenix?





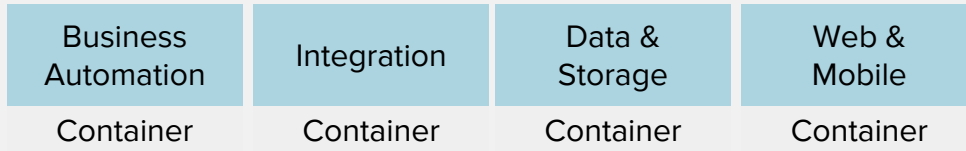
# Community Powered Innovation



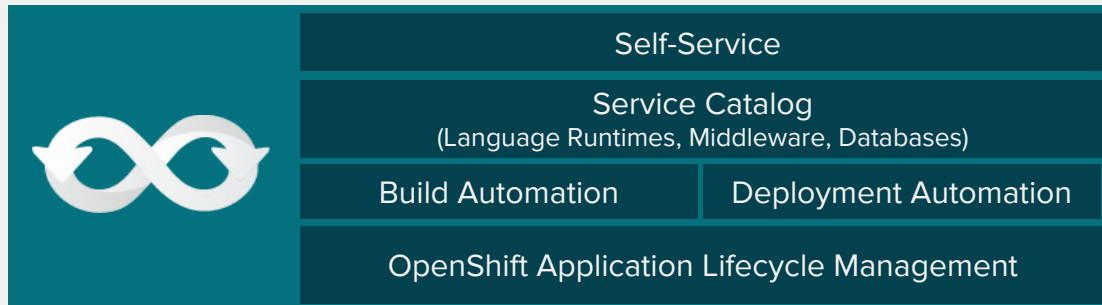


made easy  
& made enterprise

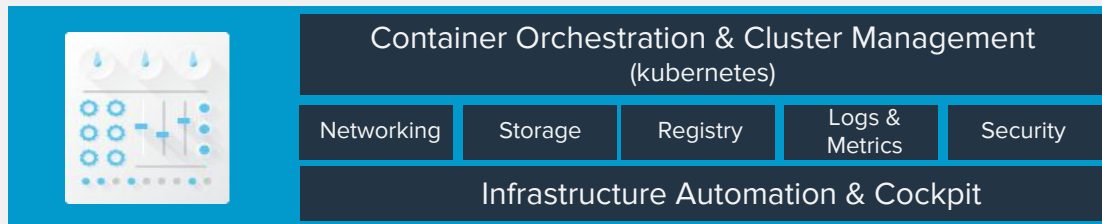
# OPENSIFT CONTAINER PLATFORM



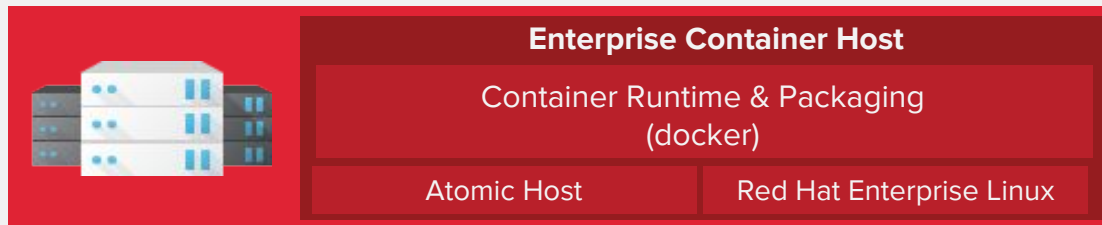
Traditional, stateful, and cloud-native apps



OpenShift automation extensions for Dev and Ops



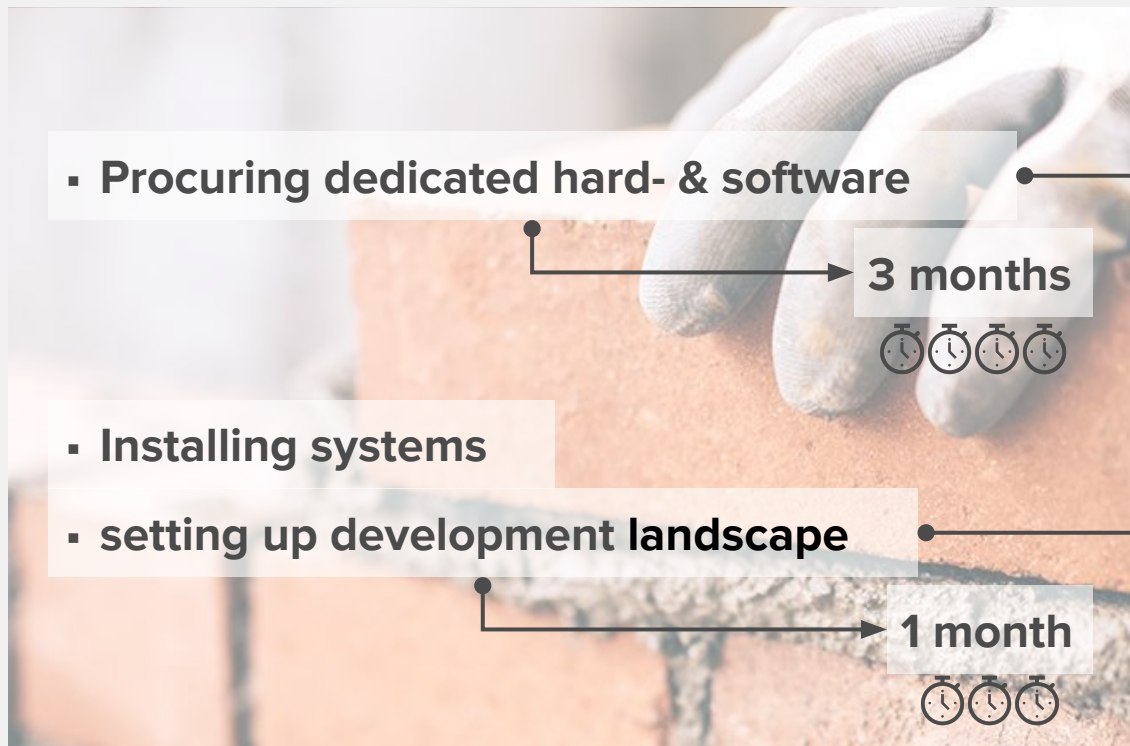
Secure Kubernetes Container Platform Implementation



Trusted Operating System Base

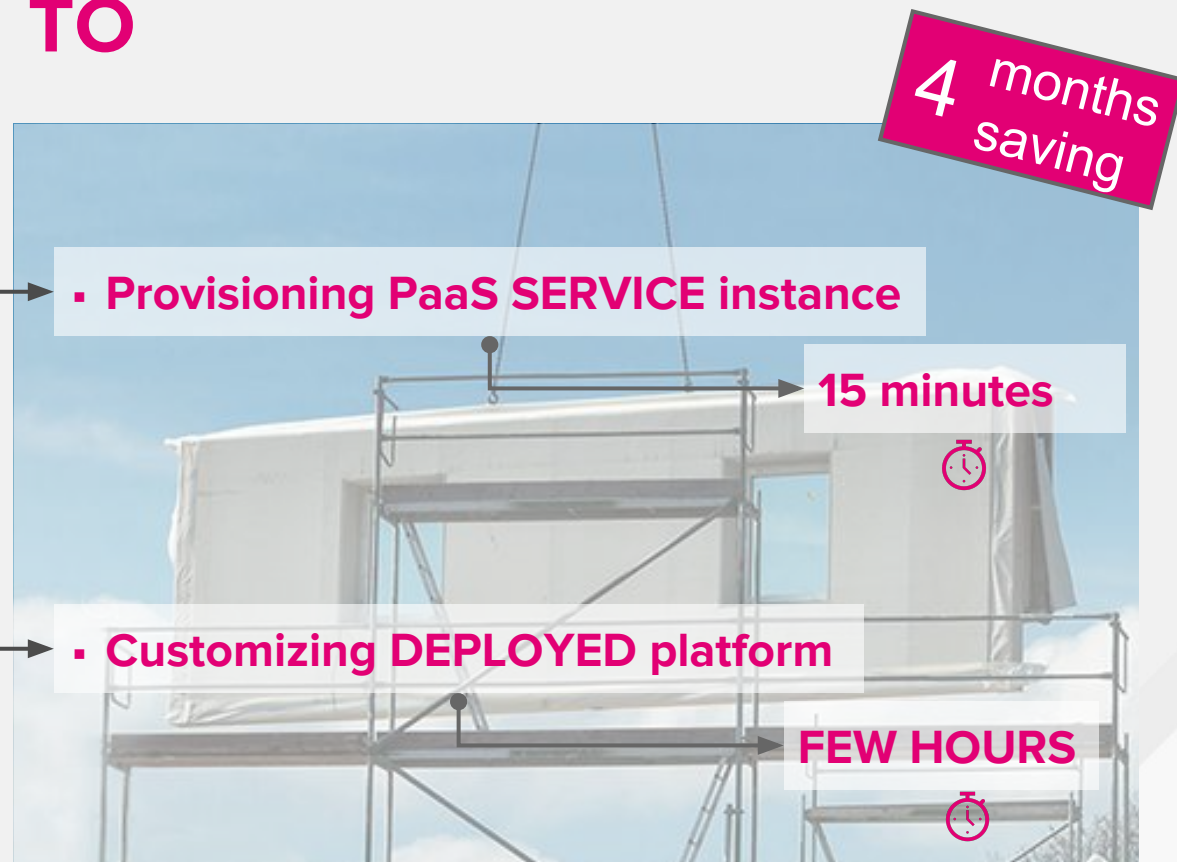
# SPEED IS KEY! APPAGILE ENABLES DEVELOPMENT TEAMS TO DO WHAT THEY WANT, WHEN THEY WANT: DEVELOP. NOW.

FROM



- Procuring dedicated hard- & software  
3 months  
🕒🕒🕒🕒
- Installing systems
- setting up development landscape  
1 month  
🕒🕒🕒

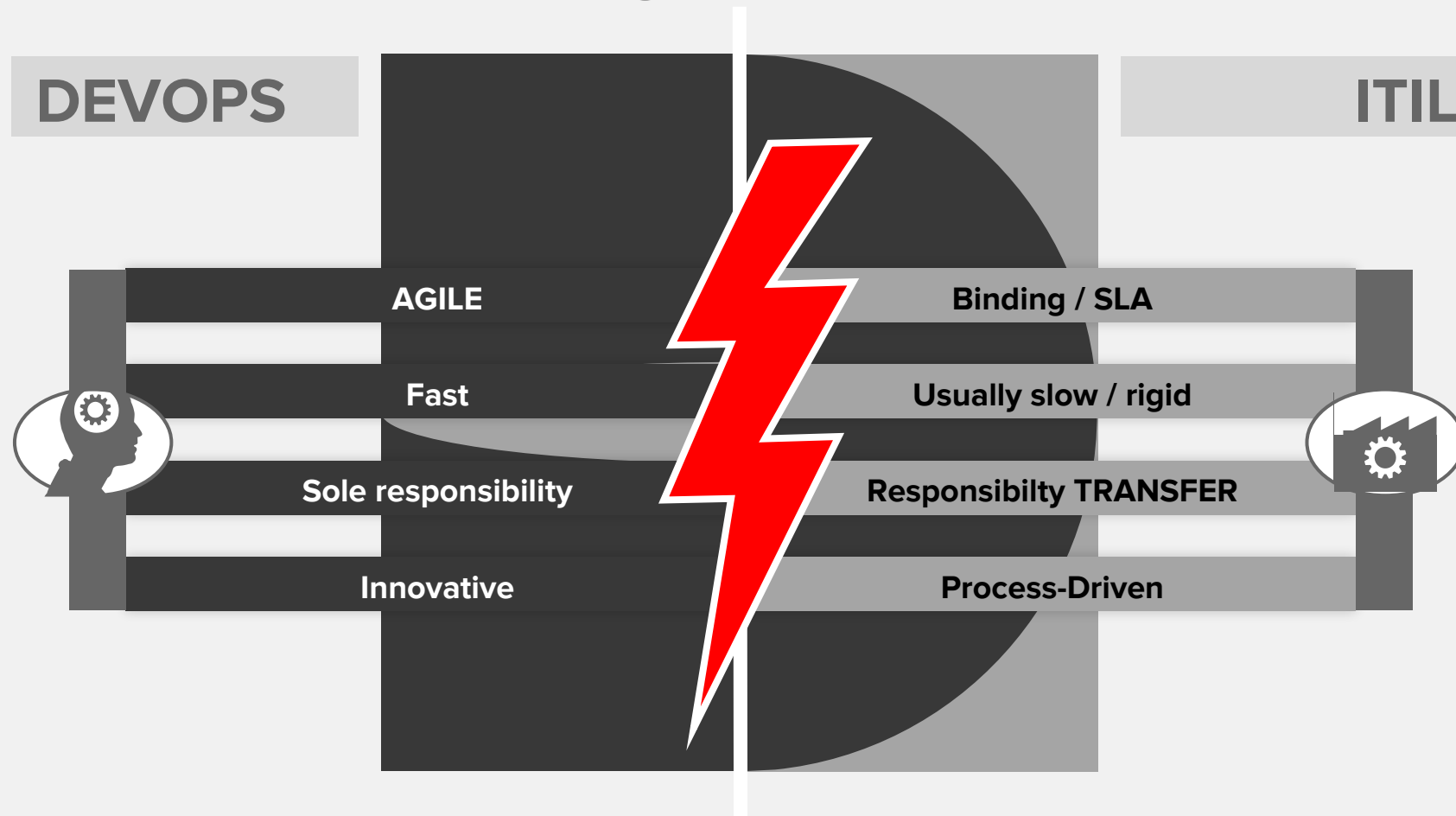
TO



4 months saving

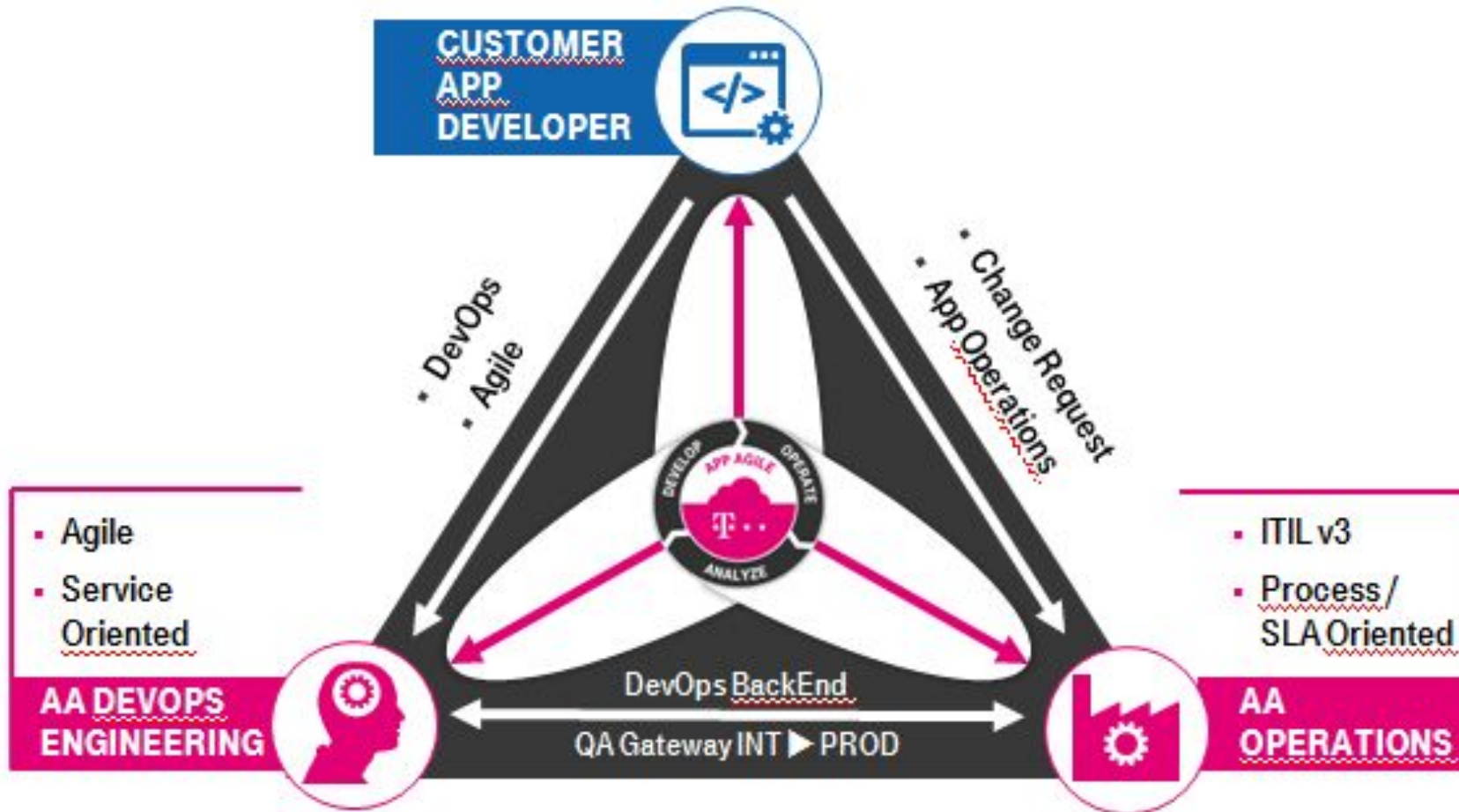
- Provisioning PaaS SERVICE instance  
15 minutes  
🕒
- Customizing DEPLOYED platform  
FEW HOURS  
🕒

# DevOps vs. ITIL – Squaring THE CIRCLE



Actually THE CUSTOMER WANTS Both – Must He MAKE A DECISION?

# THE SOLUTION: ENTERPRISE DEVOPS



# CUSTOMER SUCCESS STORIES ACROSS INDUSTRIES

## APPAGIALE FOR **AUTOMOTIVE**

**Time-2-Market for  
Smart car Services**

**Conected Drive**

managed by AppAgile

- Global platform
- Dev environment for microservices & applications

- Flexible dev platform
- ~2.000 developers
- globally distributed



## APPAGILE FOR **LOGISTICS**

**Efficient And Flexible  
Optimize daily business**




**Massive  
daily  
Volatility**

**Microservies /  
delopment of mobile  
app to track delivery**

## APPAGILE FOR **GAMING**

**Flexible platform  
For sea hero quest**

**Users:**

Originally planned:		50.000
After 2 weeks:		1.000.000
After 4 months :		4.000.000

# WHAT IS APPAGILE?

#enterprisedevops



Self-Service

Build Automation

Service Catalog

Deployment Automation

Application Lifecycle Management (CI/CD)

#orchestration

Container Orchestration & Cluster Management (kubernetes)

#container



Networki  
ng

Storage

Registry

Logs &  
Metrics

Security

Infrastructure Automation & Cockpit

#cloud

Enterprise Container Host

#iaas



Container Runtime & Packaging (Docker)

Atomic Host

Red Hat Enterprise Linux

#prebuilt images of many middleware components, databases and language runtimes

#devops natively supported





# CONTAINERS BECOMING MAINSTREAM



## RED HAT® OPENSIFT ANWENDER

<http://www.openshift-anwender.de/>





# OpenShift Interactive Learning Platform for Dev and DevOps

<http://learn.openshift.com>

Interactive hands-on development scenarios

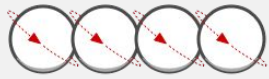
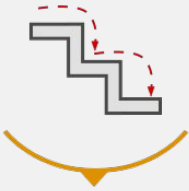
Get hands on!

Try it and see!

# Transformations

## Development Process

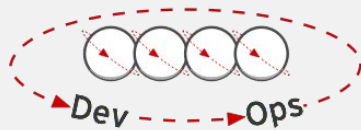
Waterfall



Agile

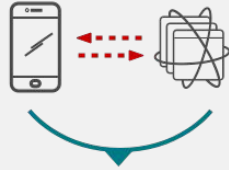


**DevOps**



## Application Architecture

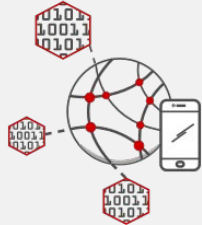
Monolithic



N-Tier



**Microservices**



## Deployment & Packaging

Physical Servers



Virtual Servers



**Containers**



## Application Infrastructure

Datacenter



Hosted



**Cloud**



# Transformations



Monolith



N-Tier



Microservices

## Applications



Datacenter



Hosted



Hybrid

## Infrastructures



Waterfall



Agile



DevOps

## Processes