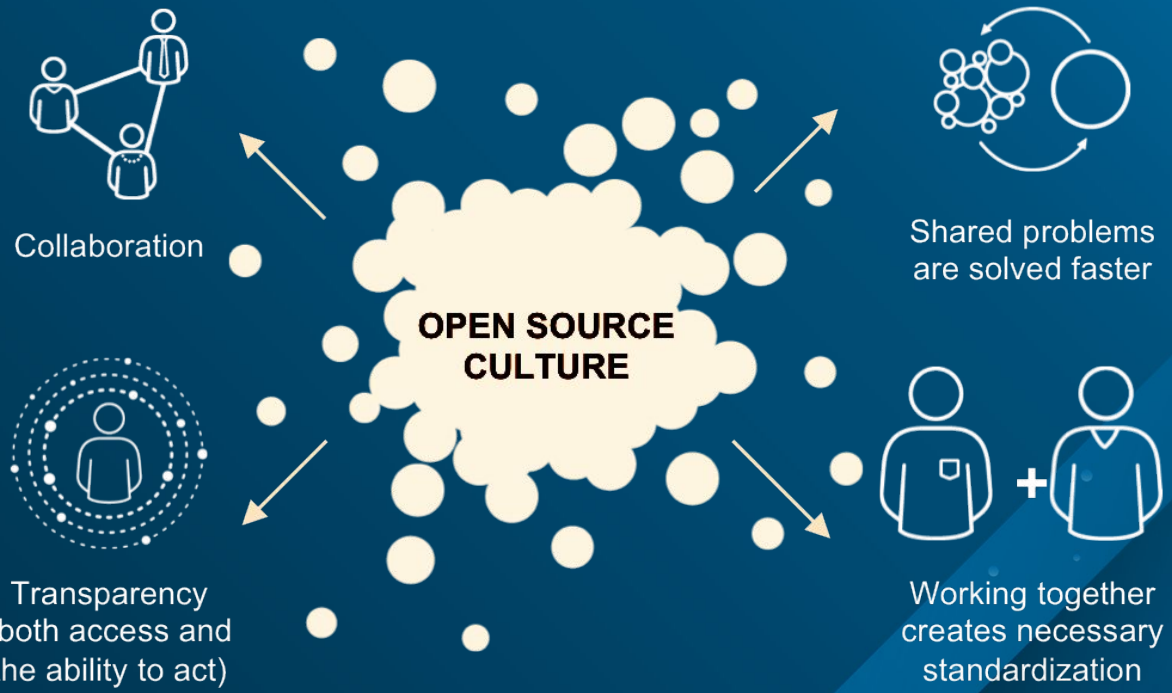
FINOS Open Development Platform
Vision on the future

Alessandro Petroni
Director, Head of Strategy and Solution FinServ/FinTech
Red Hat

IT IS NOT JUST CODE; IT IS CULTURE



FROM COMMUNITY TO ENTERPRISE

THE WORLD'S LEADING PROVIDER OF OPEN SOURCE, ENTERPRISE I.T. SOLUTIONS

MORE THAN
90%
of the
FORTUNE 500
use
RED HAT
PRODUCTS & SOLUTIONS*

~11,900
EMPLOYEES

S&P
500
COMPANY

95
OFFICES

35
COUNTRIES

NYSE
RHT

THE FIRST
$2.4 BILLION
OPEN SOURCE COMPANY
IN THE WORLD

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ODP NEXT FRONTIER

FINOS

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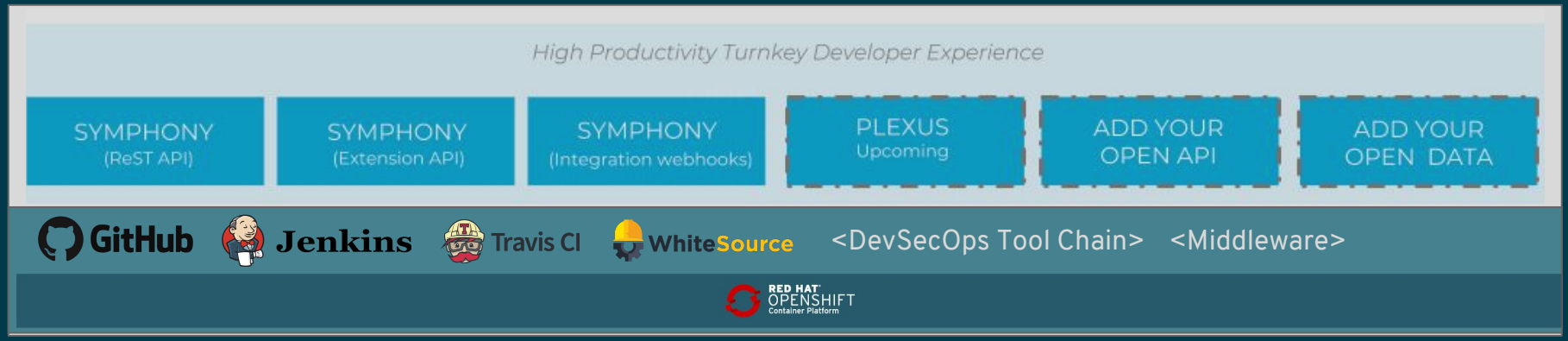
ODP ON HYBRID CLOUD

FinServ/FinTech Cloud Native Application Ecosystem

Kubernetes Orchestration - OCI - Microservices -APIs - Secure Catalogs



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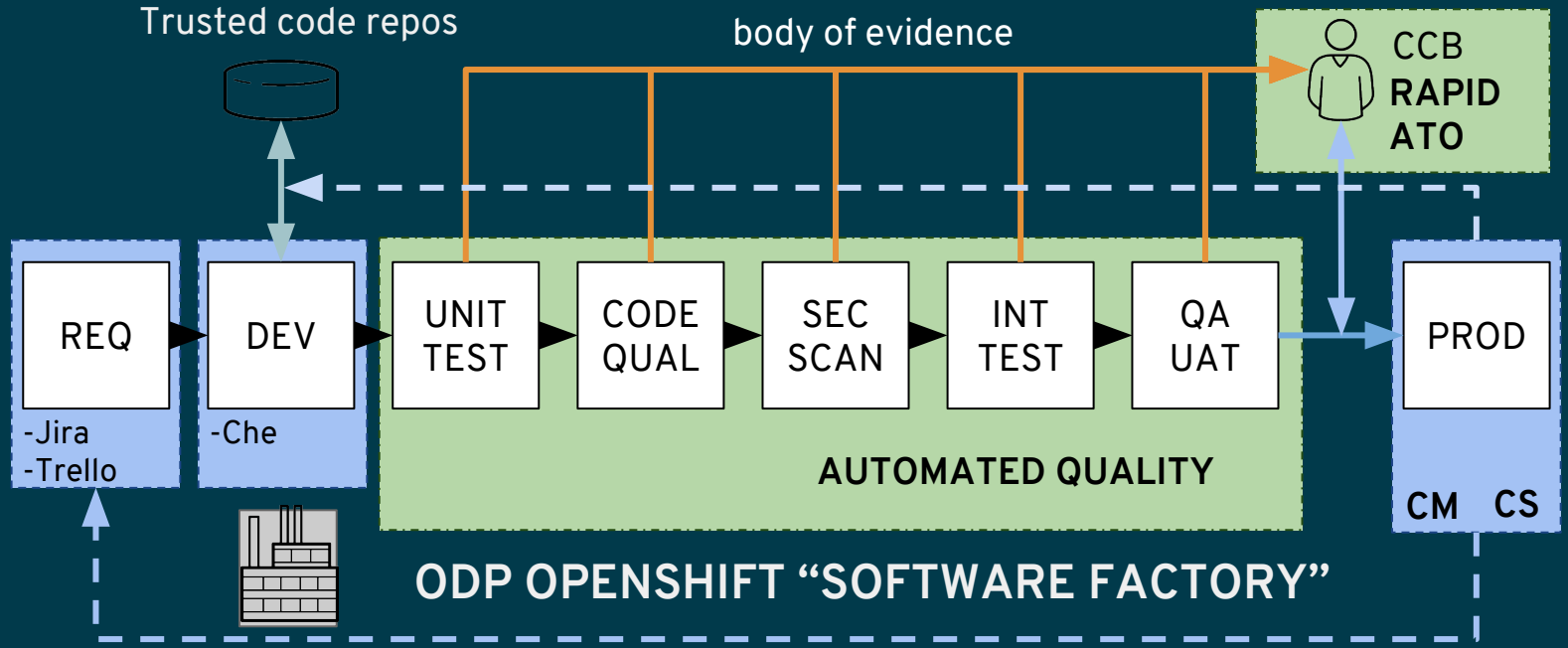
SOFTWARE SUPPLY-CHAIN SECURITY

From FinTech POVs to FSI Production



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FSI OPEN SOURCE ARCHITECTURE

Beyond Code sharing: Open Blueprints
for FSI Cloud Native Applications

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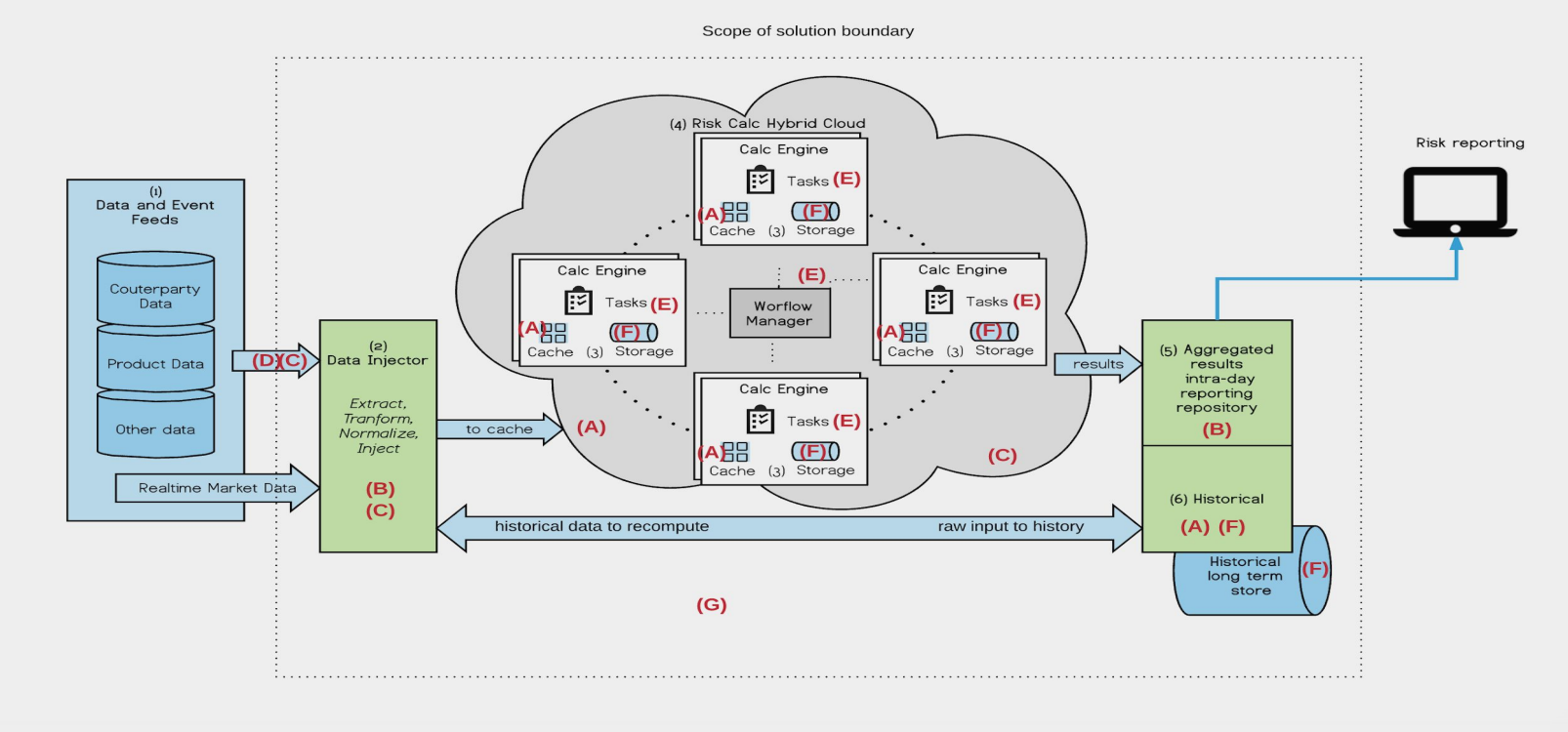
FinServ Open Source Architectures :: Risk

Pricing and Risk Analytics on ODP/OpenShift



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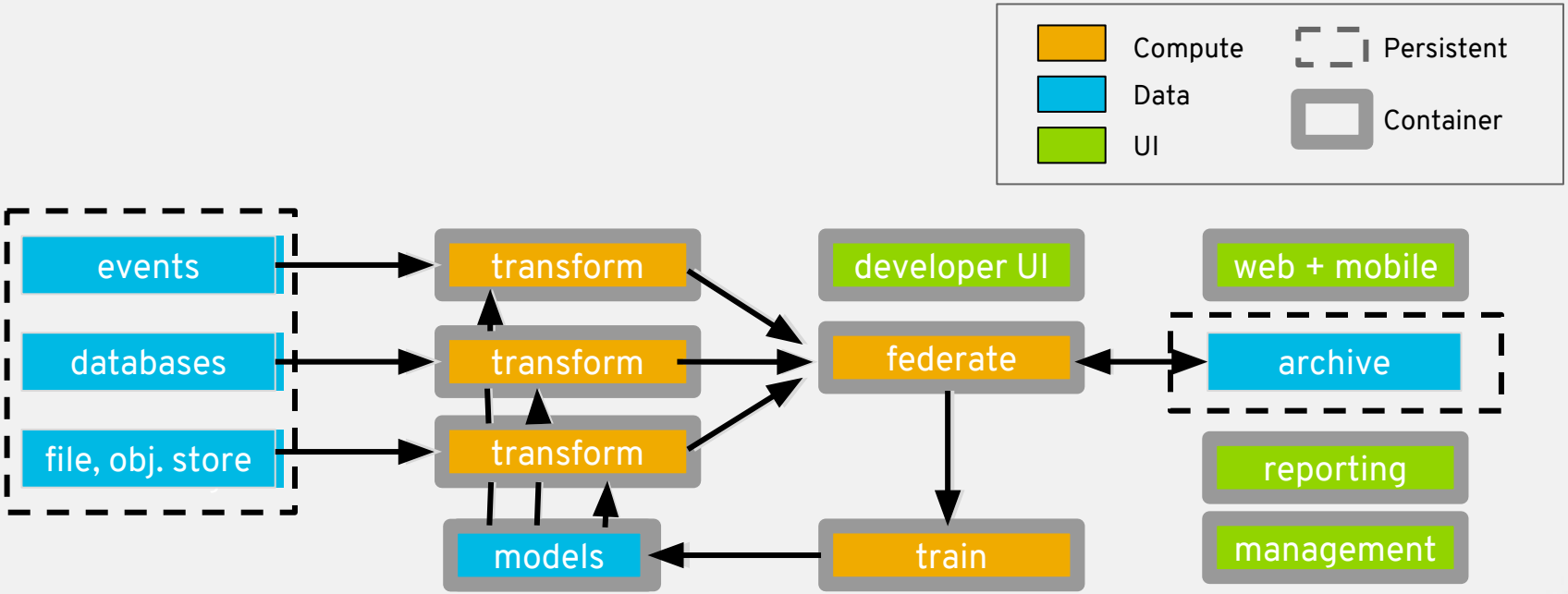
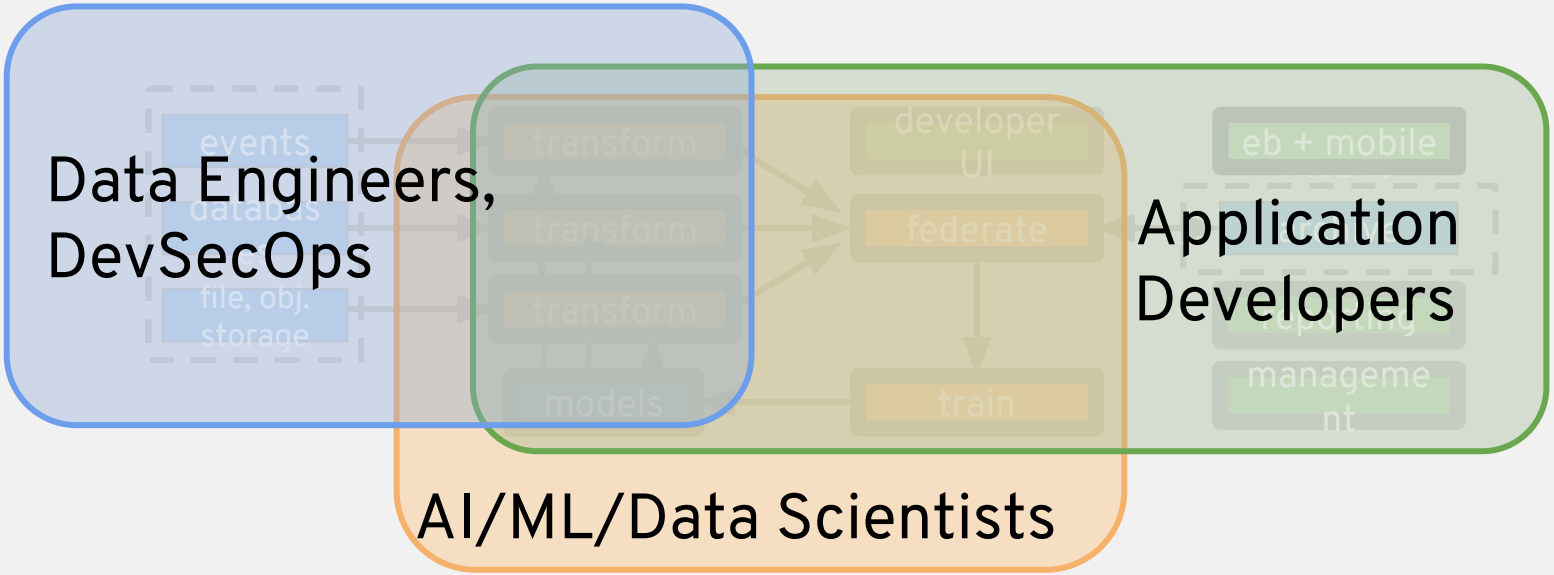
FinServ Open Source Architectures :: AI/ML framework

Intelligent Applications: AI/ML on ODP/OpenShift



FinServ Open Source Architectures :: AI/ML framework

Alleviating the workflow personae challenge



Zero-Downtime Trading Application

Matthew Ward
Technical Marketing Manager - Partner Solutions
Red Hat

Chuck Danielsson
Community Manager
OpenFin

How is Open Source changing business?

It requires an evolution in....

Applications

New ways of developing, delivering, and integrating applications

Infrastructure

Modernize existing and build new cloud-based infrastructure

Process

More agile process across both IT and the business

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Technology Evolution

Applications

Monolith

Infrastructures

Datacenter

Processes

Waterfall

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Technology Evolution

Applications

Monolith

N-Tier

Infrastructures

Datacenter

Hosted

Processes

Waterfall

Agile

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Technology Evolution

Applications

Monolith

N-Tier

Microservices

Infrastructures

Datacenter

Hosted

Hybrid

Processes

Waterfall

Agile

DevOps

FINOS ODP

FINOS

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Containers Transform

- Enable efficiency and automation for microservices, but also support traditional applications
- Enable faster and more consistent deployments from Development to Production
- Enable application portability across 4 infrastructure footprints: Physical, Virtual, Private & Public Cloud

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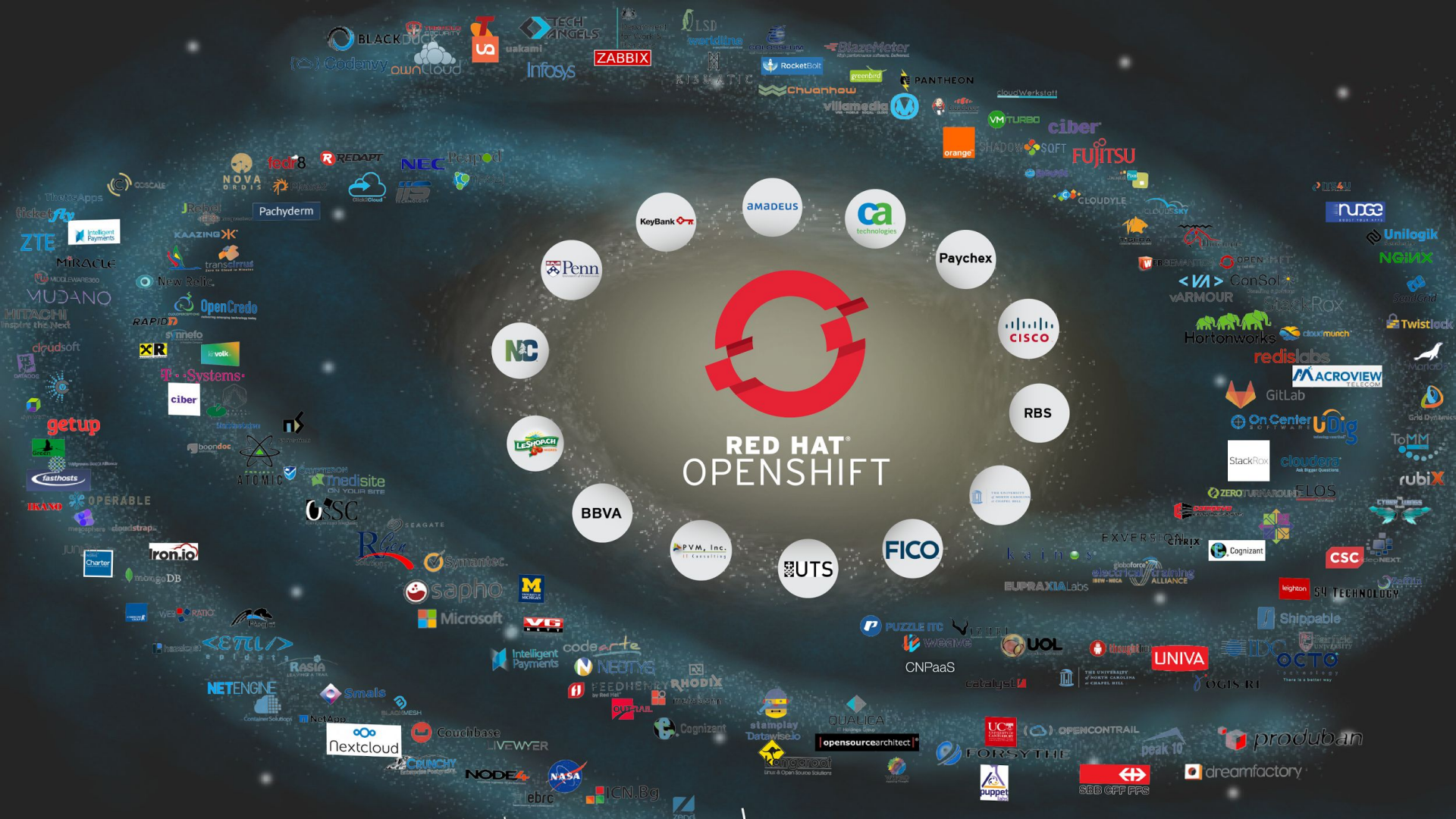
RED HAT®
OPENSHIFT
KeyBank
AMADEUS
ca technologies
Paychex
Penn
CISCO
NC
RBS
LeShopCH
BBVA
PVM, Inc.
UTS
FICO
Pachyderm
CNPaaS
opensourcearchitect

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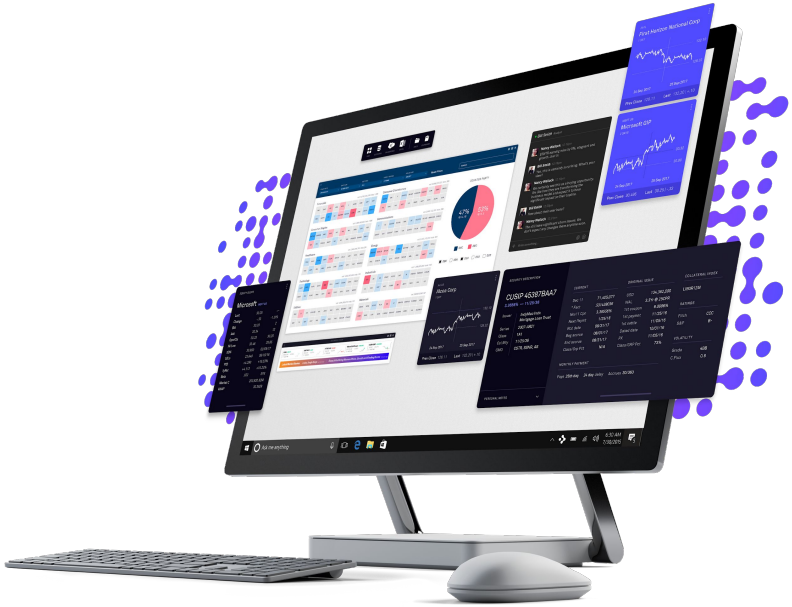
The Financial OS



openfin OS

Desktop Apps

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Capital Markets Desktop

- Desktop real-estate is limited
- Changing user behavior is difficult
- Low adoption of new tools

Mobile Experience?

- Mobile delivers a different experience
- Specialised, powerful applications
- Interoperability

Desktop Applications On OpenFin

- Build desktop application using web technologies like HTML5
- Deploy and iterate like a standard web application
- Interoperate between Applications
  - Independent Applications
  - Cross stack

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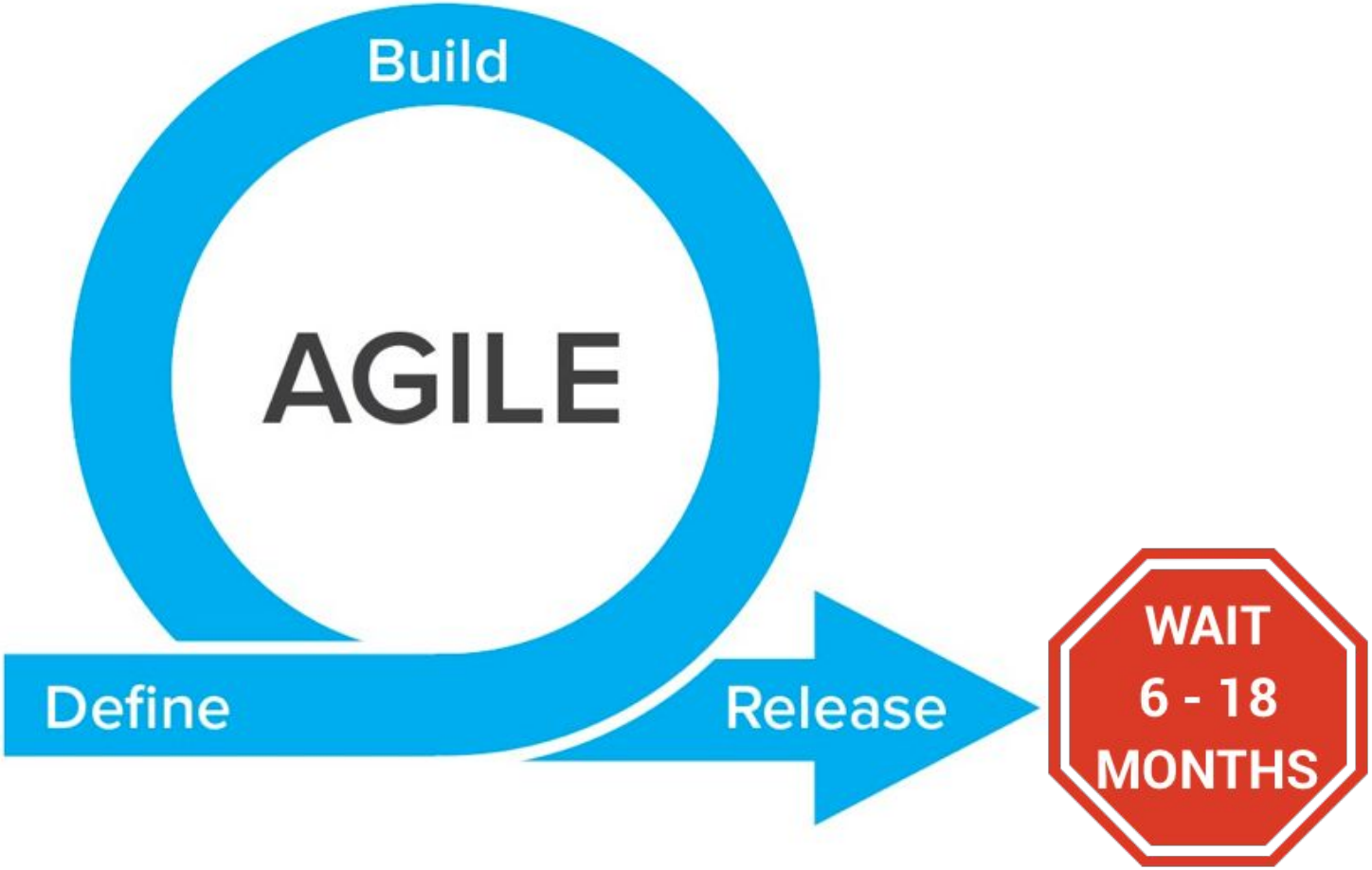
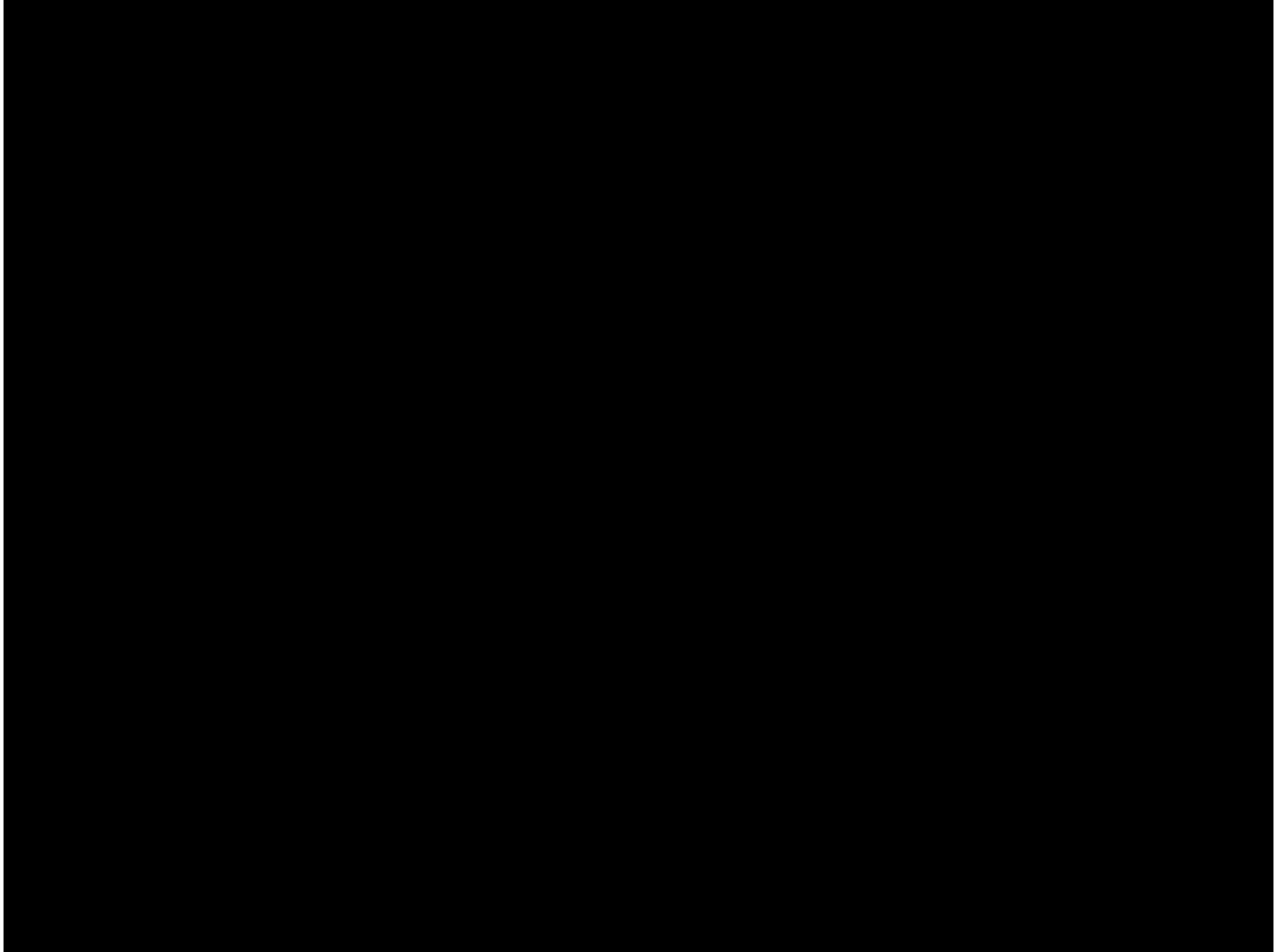
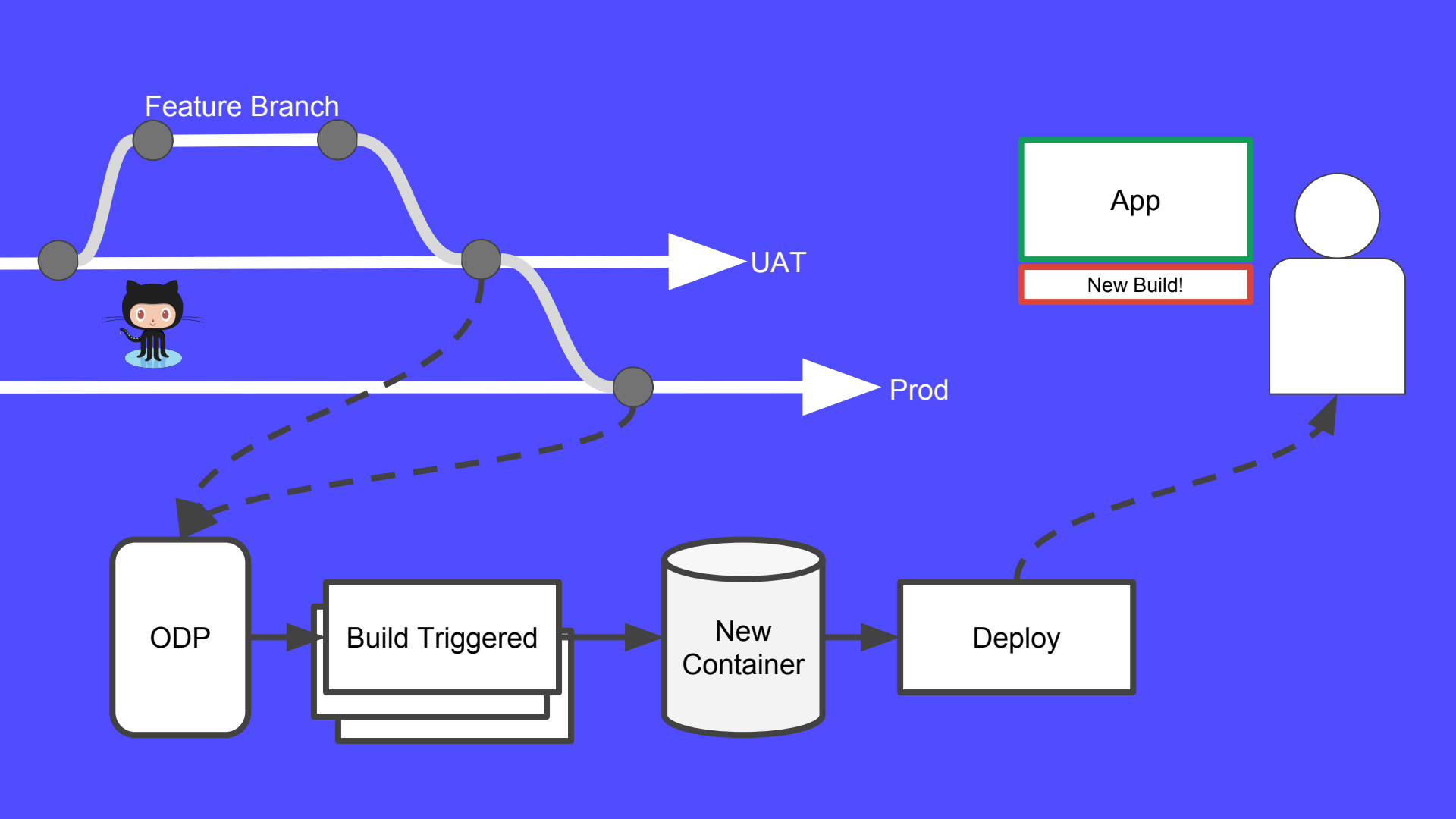
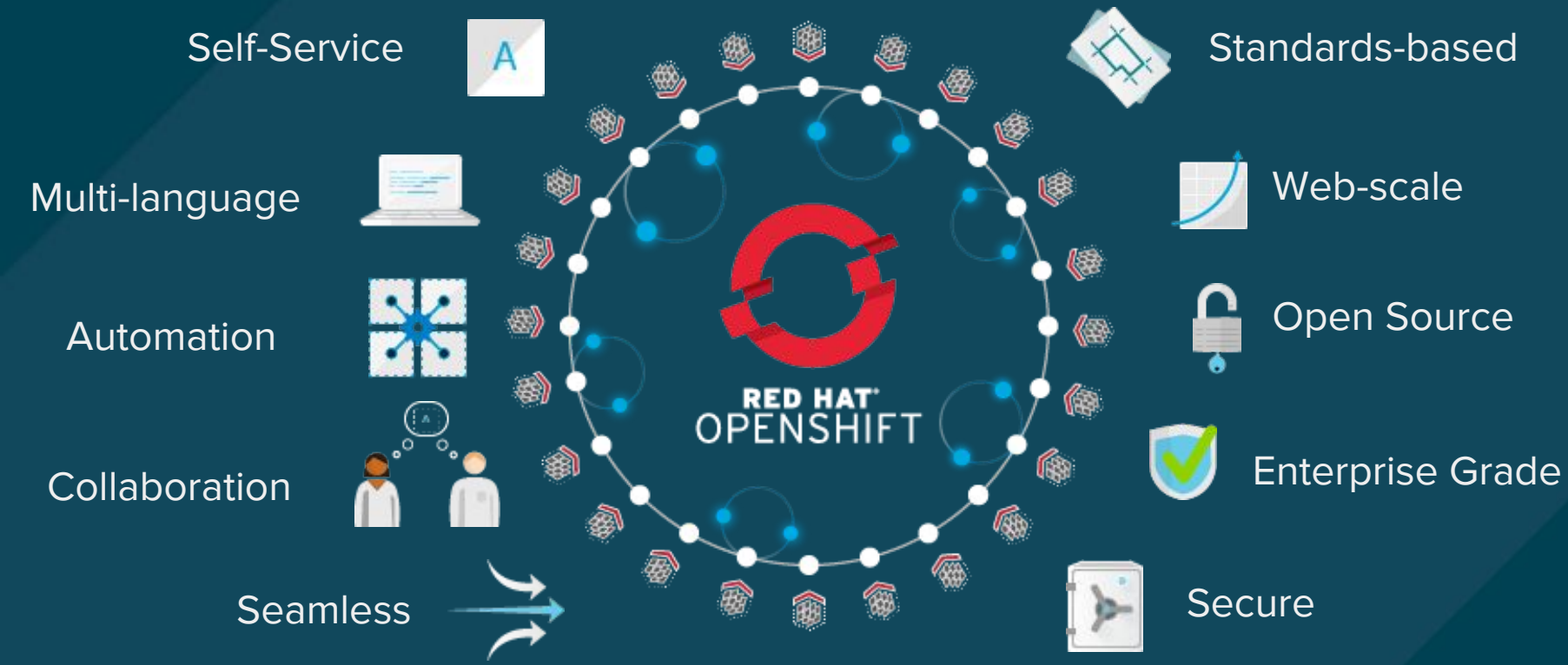
The Deployment Problem


Build
AGILE
Define
Release
WAIT
6 - 18
MONTHS




Feature Branch
UAT
Prod
App
New Build!
ODP
Build Triggered
New Container
Deploy

Critical features for Innovation



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THANK YOU

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