Cloud native, innovazione e time to market

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Application Modernization & Migration

Vittorio Colabella - Middleware Sales Lead

#RedHatOSD

Image source: https://www.flickr.com/photos/onurturkcu/4826048220/

SUCCEEDING AT DIGITAL TRANSFORMATION

EFFICIENCY AGILITY SPEED

OPTIMIZE THE IT YOU HAVE

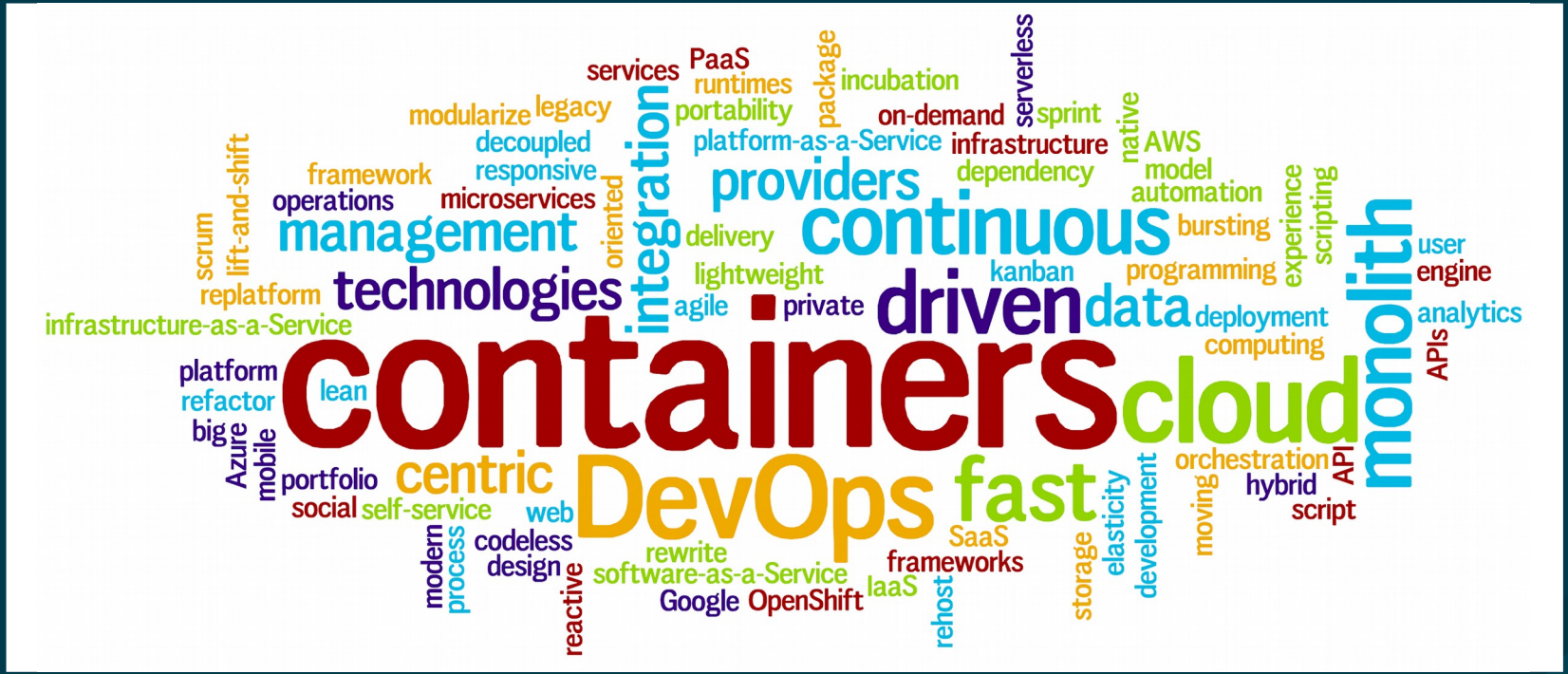
INTEGRATE APPS, DATA, AND PROCESSES

ADD & MANAGE CLOUD INFRASTRUCTURE

BUILD MORE MODERN APPLICATIONS

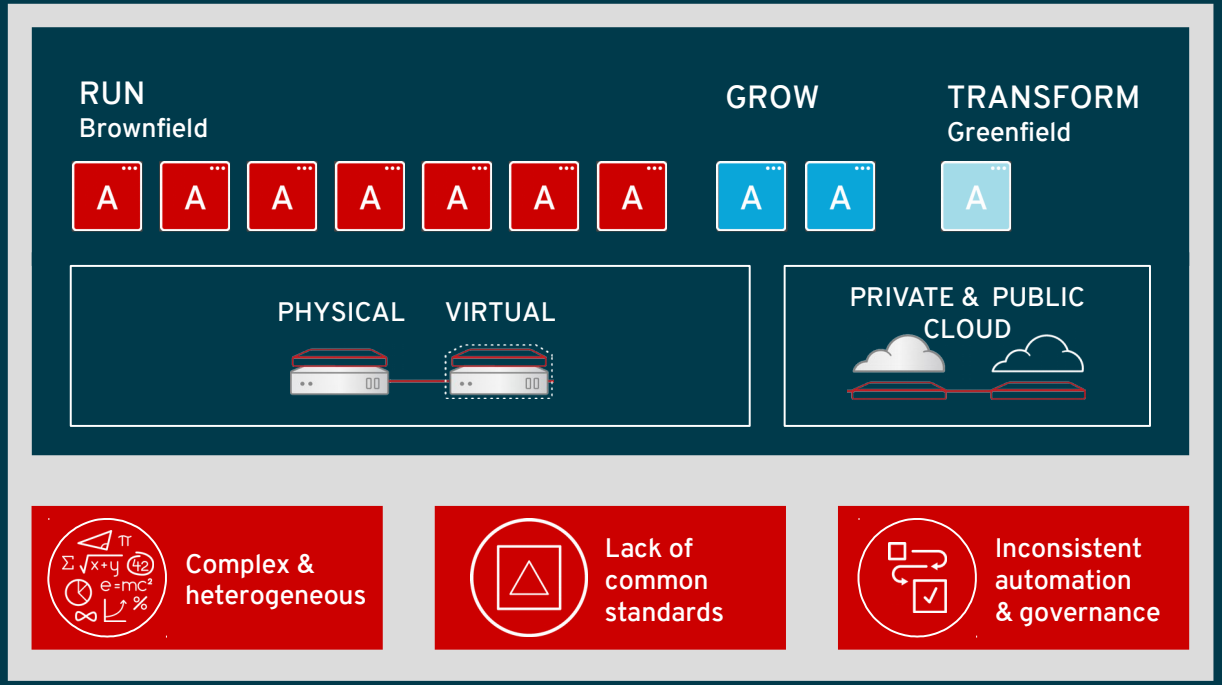
TECHNICAL INITIATIVES

How do we run and build applications in the new world?



TYPICAL CUSTOMER LANDSCAPE TODAY

Where the journey starts ...



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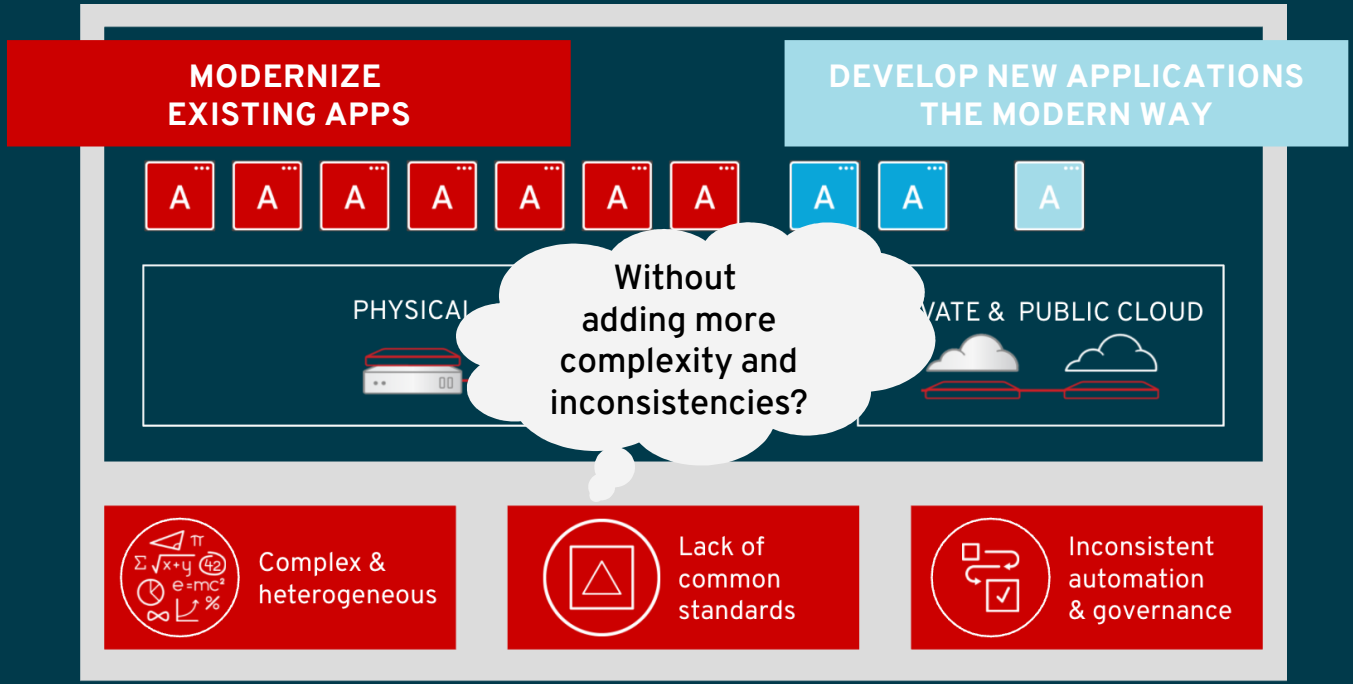
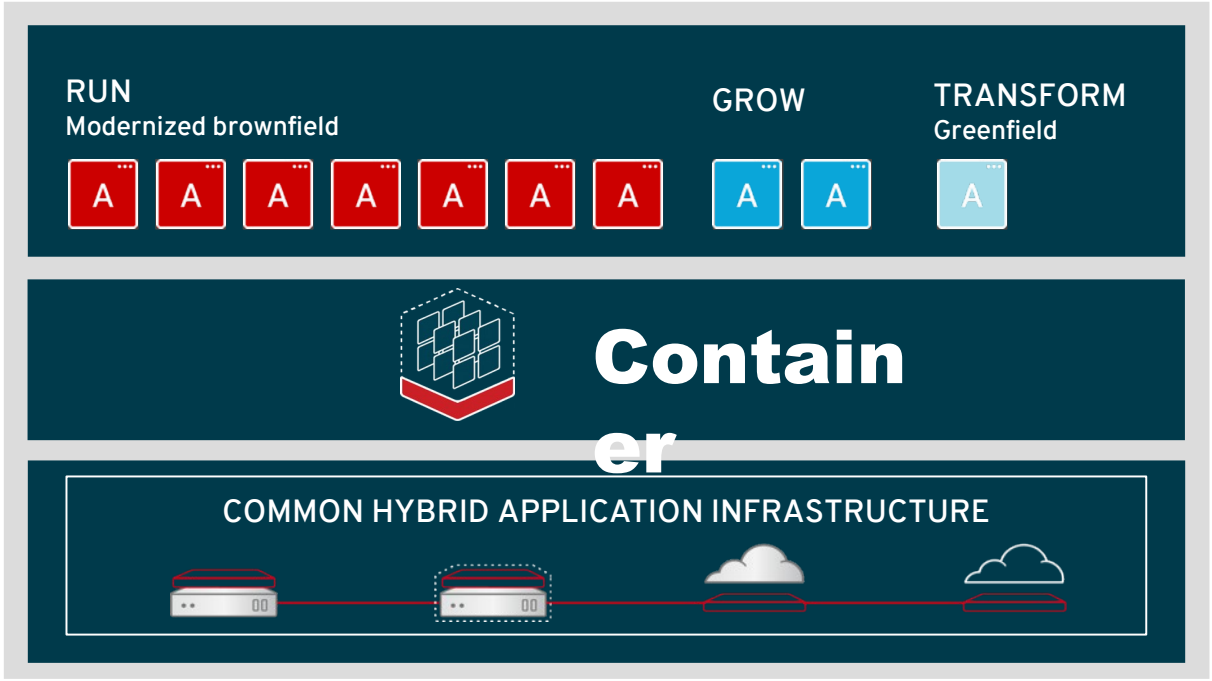
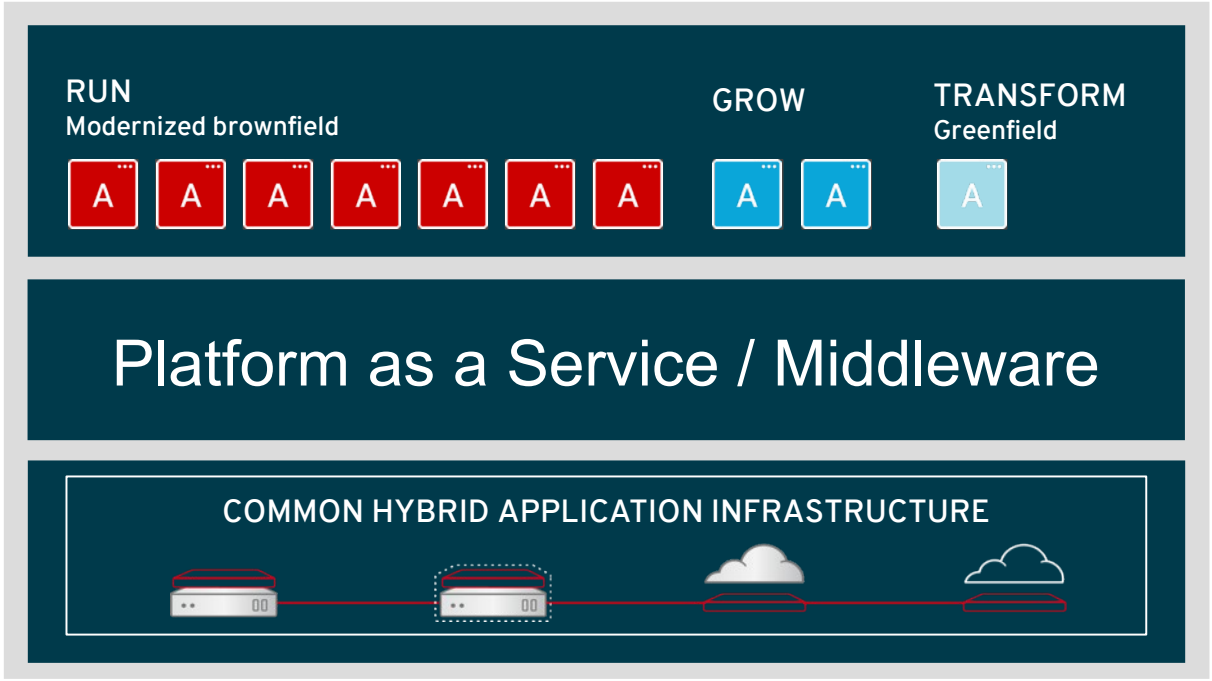
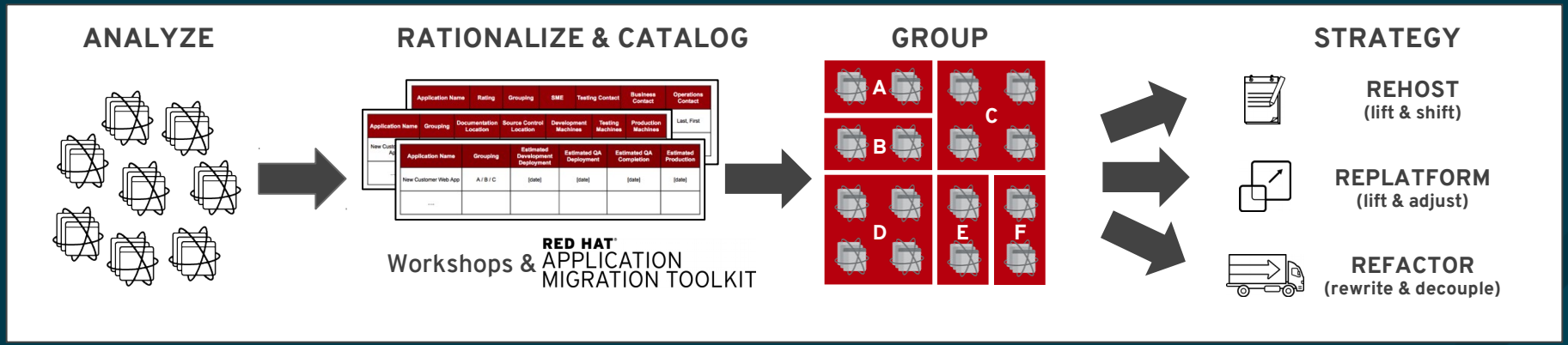



RUN
Modernized brownfield
GROW
TRANSFORM
Greenfield
Contain
er
COMMON HYBRID APPLICATION INFRASTRUCTURE

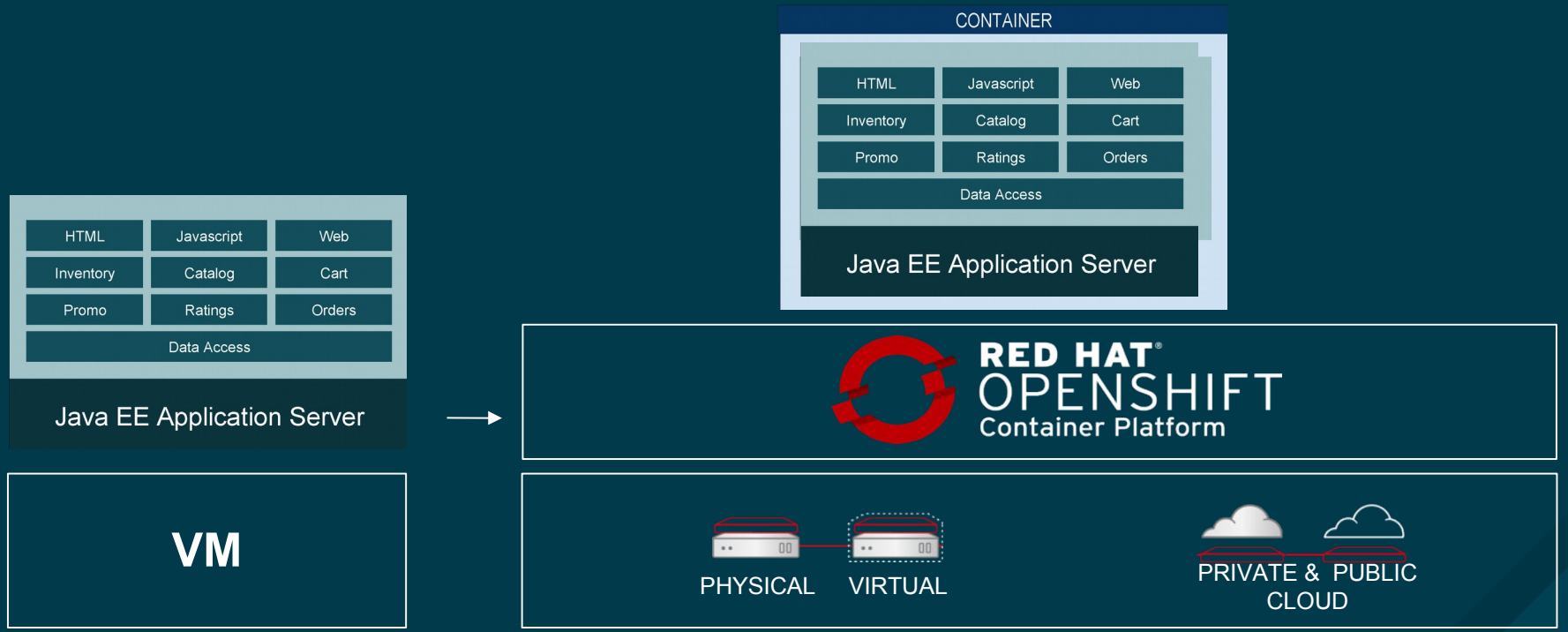

RUN
Modernized brownfield
GROW
TRANSFORM
Greenfield
Platform as a Service / Middleware
COMMON HYBRID APPLICATION INFRASTRUCTURE

METHODOLOGY

Iterative, managed service, factory scale up.

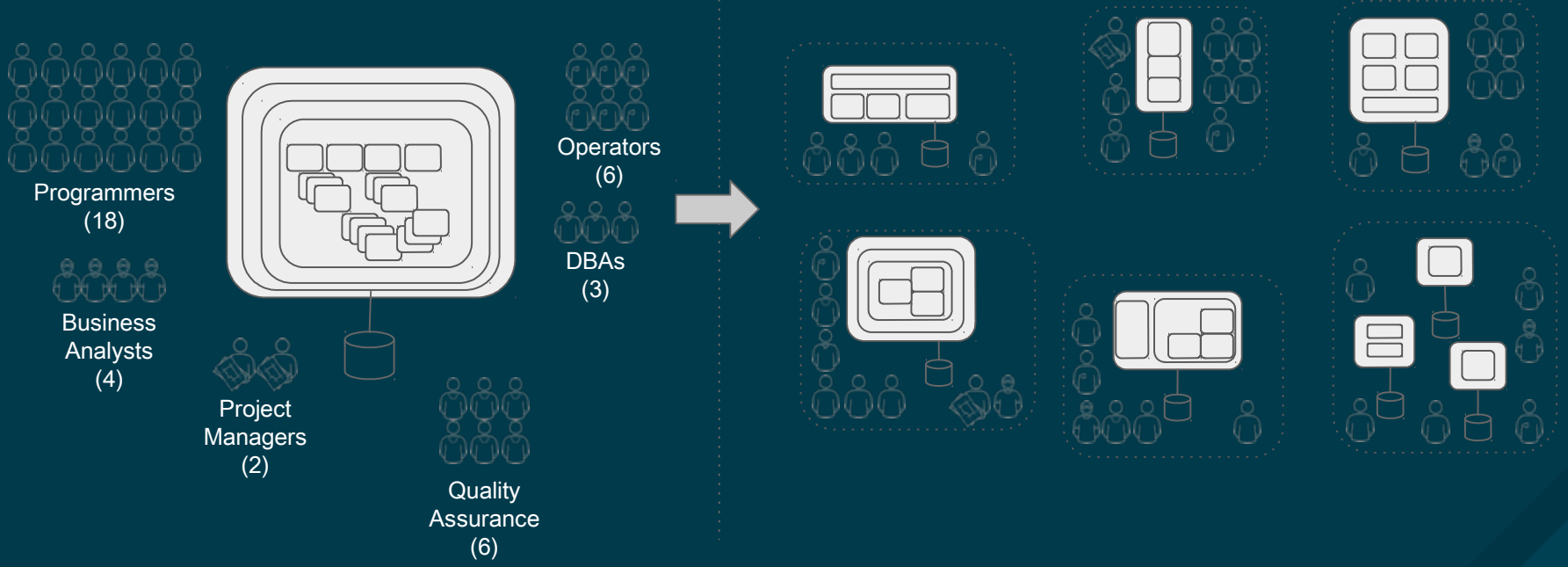


REHOST / REPLATFORM



Development Speed

Using smaller teams



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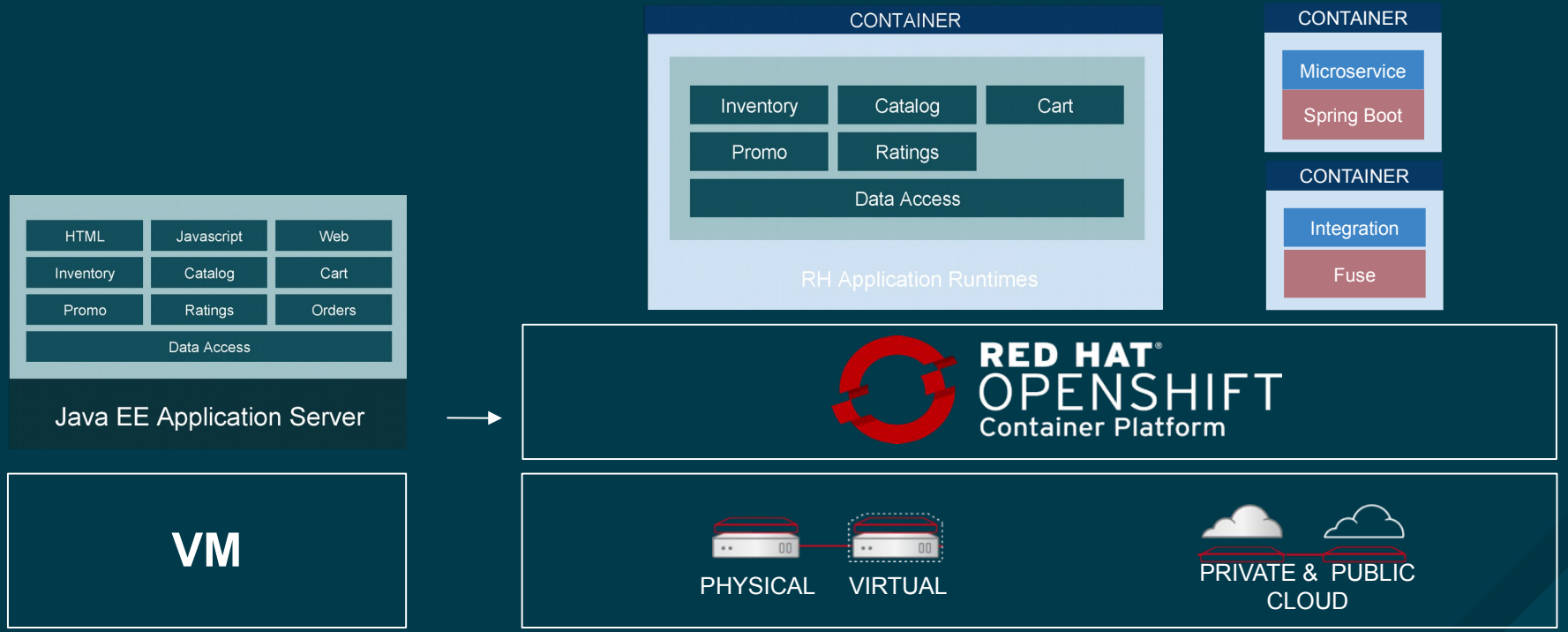
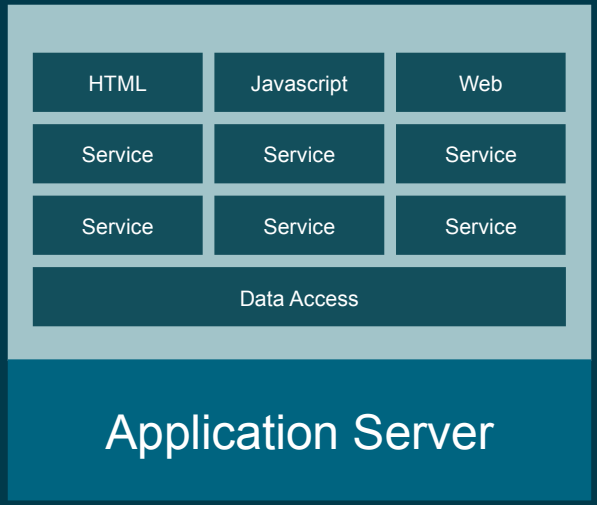
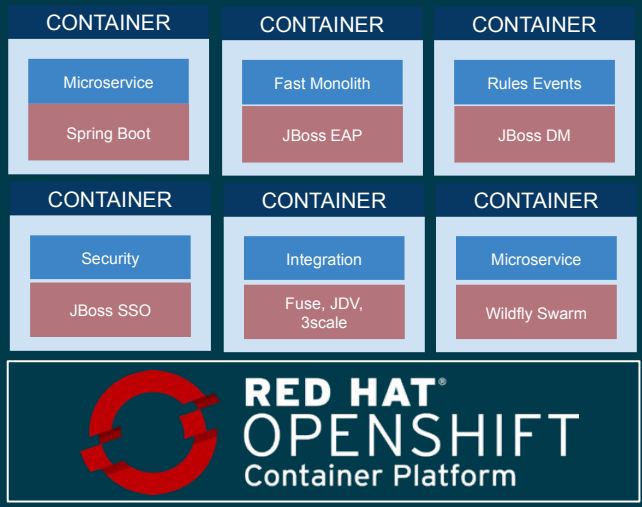
Smooth Refactor

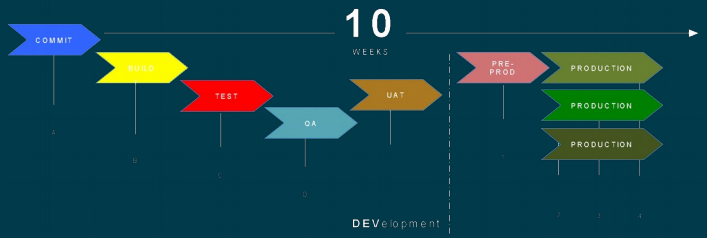


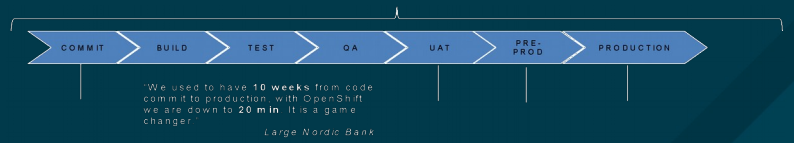
Refactor to ‘cloud native’

Break Up Monolith









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IT'S ALL THERE!

COMPLETE TECHNOLOGY STACK FOR HYBRID CLOUD

DEVELOPER TOOLS

- RED HAT® JBOSS® DEVELOPER STUDIO
- RED HAT® CONTAINER DEVELOPMENT KIT
- RED HAT® OPENSHIFT Container Local
- RED HAT® OPENSHIFT.io

MIDDLEWARE AND APPLICATION SERVICES

APPLICATION RUNTIMES
Java EE, Web Server, Spring Boot, Microprofile, Serverless, Reactive, JavaScript, Messaging Broker

INTEGRATION
API Management
Messaging
Integration Services

PROCESS AUTOMATION
Business Rules
Business Processes
Business Optimization

CORE SERVICES
Java SE (OpenJDK)
Single Sign On
Apache HTTP
Web Connectors

CONTAINER PLATFORM

- RED HAT® OPENSHIFT Container Platform
- RED HAT® OPENSHIFT Online
- RED HAT® OPENSHIFT Dedicated
- RED HAT® OPENSHIFT Container Storage

INFRASTRUCTURE SOFTWARE

- RED HAT® ENTERPRISE LINUX®
- RED HAT® STORAGE
- RED HAT® OPENSTACK® PLATFORM
- RED HAT® VIRTUALIZATION

SECURITY & MANAGEMENT

- RED HAT® CLOUDFORMS
- RED HAT® ANSIBLE® Automation
- RED HAT® SATELLITE
- RED HAT® INSIGHTS
- RED HAT® QUAY CONTAINER REGISTRY

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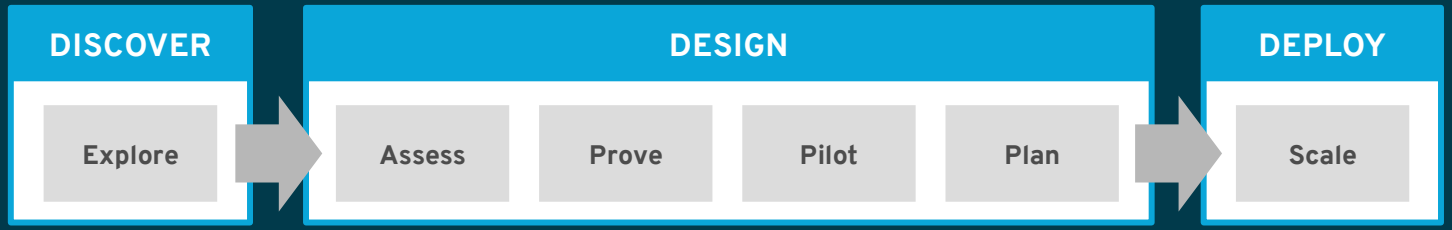
METHODOLOGY

Iterative, managed service, factory scale up.



- Standard, proven, modular, repeatable, pragmatic methodology
- Step by step, low risk and highly efficient
- Scale up by leveraging collaboration with clients and partners

WHY CHANGE WITH RED HAT?

Solutions for today and the future

RE-BALANCE MAINTENANCE AND INNOVATION

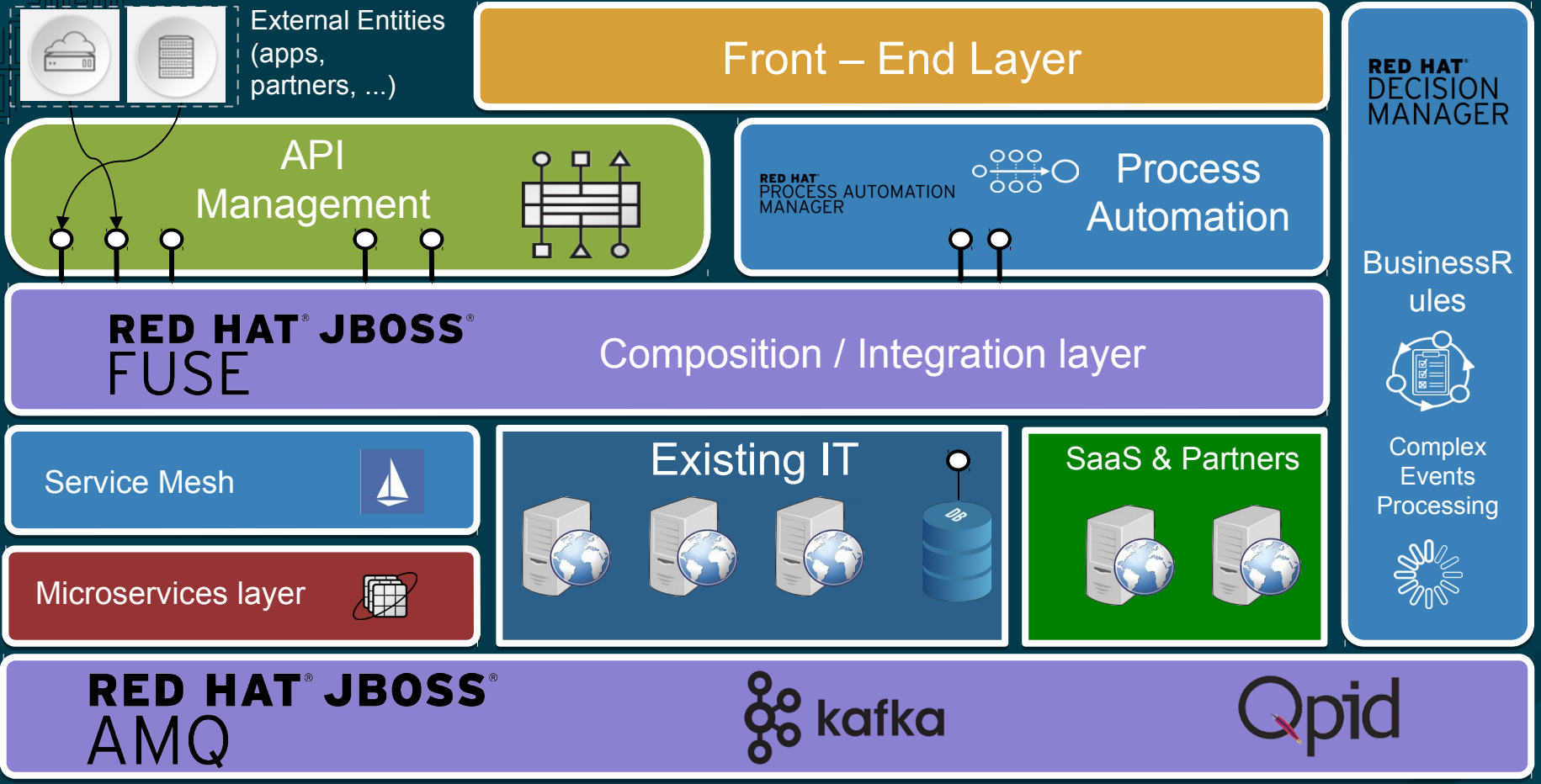
DECREASE COMPLEXITY, INCREASE EFFICIENCY

REDUCE / AVOID VENDOR LOCK-IN, INFLEXIBLE LICENSE MODELS

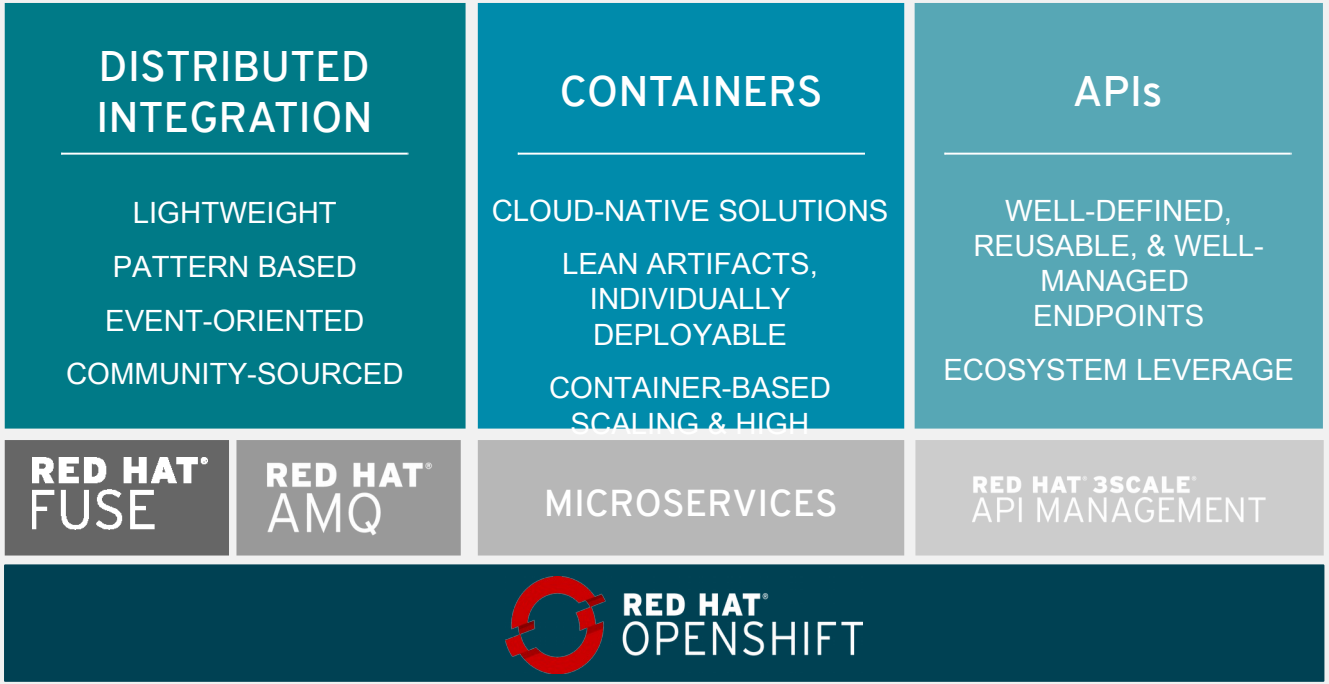
INCREASE SPEED & BECOME MORE PRODUCTIVE

REDUCE TECHNICAL DEBT & RISK

ADOPT AGILE METHODOLOGIES, DEVOPS


External Entities (apps, partners, ...)
Front – End Layer
RED HAT DECISION MANAGER
API Management
RED HAT PROCESS AUTOMATION MANAGER
Process Automation
BusinessRules
RED HAT JBOSS FUSE
Composition / Integration layer
Service Mesh
Existing IT
SaaS & Partners
Complex Events Processing
Microservices layer
RED HAT JBOSS AMQ
kafka
Qpid

RED HAT MIDDLEWARE
With AGILE INTEGRATION



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Fuse 7: L'integrazione ai tempi del container

Andrea Tarocchi - *Senior Software Engineer*

Andrea Cosentino - *Senior Software Engineer*

Nicola Ferraro - *Senior Software Engineer*

15:30 — 16:00

RED HAT® JBOSS® FUSE

Composition / Integration layer

ISTIO: Service mesh e microservizi

Giuseppe Bonocore - *Solution Architect*

Ugo Landini - *Solution Architect*

15:00 — 15:30

Service Mesh

Microservizi: runtime, metodi, pattern ed ultime novità

Ugo Landini - *Solution Architect*

Giuseppe Bonocore - *Solution Architect*

14:30 — 15:00

Microservices layer

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RED HAT PROCESS AUTOMATION MANAGER

Process Automation

RED HAT DECISION MANAGER

BusinessRules

Complex Events Processing

Drools: Decisioni e Regole nell'era del Cloud e Microservizi

Matteo Mortari - *Senior Software Engineer, DMN Engine*

Donato Marrazzo - *Senior Specialist Solution Architect*

16:30 — 17:00

Kafka on OpenShift : make it easy with AMQ Streams

Paolo Patierno - *Principal Software Engineer*

16:00 — 16:30

RED HAT® JBOSS® AMQ

kafka

Qpid

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GRAZIE PER L'ATTENZIONE
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