“By 2027, more than 75% of the S&P 500 will be companies that we have not heard of yet.”

Professor Richard Foster, Yale University
SUCCEEDING AT DIGITAL TRANSFORMATION

EFFICIENCY

OPTIMIZE THE IT YOU HAVE

AGILITY

INTEGRATE APPS, DATA, AND PROCESSES

ADD & MANAGE CLOUD INFRASTRUCTURE

SPEED

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 ...

RUN
Brownfield

GROW

TRANSFORM
Greenfield

VIRTUAL
PRIVATE & PUBLIC CLOUD

PHYSICAL

Complex & heterogeneous
Lack of common standards
Inconsistent automation & governance
Without adding more complexity and inconsistencies?
One platform to support you today and tomorrow

APPLICATION AND INFRASTRUCTURE MODERNIZATION

TRANSFORM
Greenfield

GROW

RUN
Modernized brownfield

COMMON HYBRID APPLICATION INFRASTRUCTURE

Contain

or
One platform to support you today and tomorrow

APPLICATION AND INFRASTRUCTURE MODERNIZATION

TRANSFORM
Greenfield

GROW

RUN
Modernized brownfield

Platform as a Service / Middleware

COMMON HYBRID APPLICATION INFRASTRUCTURE
METHODOLOGY
Iterative, managed service, factory scale up.

DISCOVER
- Explore

DESIGN
- Assess

DEPLOY

ANALYZE

RATIONALIZE & CATALOG

GROUP

STRATEGY
- REHOST (lift & shift)
- REPLATFORM (lift & adjust)
- REFACTOR (rewrite & decouple)
Using smaller teams

Programmers (18)
Business Analysts (4)
Project Managers (2)
DBAs (3)
Operators (6)
Quality Assurance (6)
Smooth Refactor

Java EE Application Server

VM

HTML
Inventory
Promo
Data Access

Javascript
Catalog
Ratings
Orders

Web
Cart
Orders

CONTAINER
Inventory
Catalog
Cart
Promo
Ratings
Data Access

RH Application Runtimes

CONTAINER

Microservice
Spring Boot
Integration
Fuse

RED HAT OPENSHIFT Container Platform

PHYSICAL
VIRTUAL

PRIVATE & PUBLIC CLOUD
Refactor to ‘cloud native’
Break Up Monolith

Application Server

<table>
<thead>
<tr>
<th>HTML</th>
<th>Javascript</th>
<th>Web</th>
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<tbody>
<tr>
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<tr>
<td>Data Access</td>
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</tbody>
</table>

CONTAINER
- Microservice
  - Spring Boot
- Fast Monolith
  - JBoss EAP
- Rules Events
  - JBoss DM
- Security
  - JBoss SSO
- Integration
  - Fuse, JDV, 3scale
- Microservice
  - Wildfly Swarm

CONTAINER

REDCO HAT
OPENSHIFT
Container Platform
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 Platform
- 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 Ceph
- Red Hat Ansible Automation
- Red Hat Satellite
- Red Hat Insights
- Red Hat Quay Container Registry

OTHER CLOUD PROVIDERS
- Physical
- Virtual
- Private Cloud
- Google
- AWS
- Microsoft Azure
- Other Cloud Providers
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
RED HAT MIDDLEWARE
With AGILE INTEGRATION

DISTRIBUTED INTEGRATION
LIGHTWEIGHT
PATTERN BASED
EVENT-ORIENTED
COMMUNITY-SOURCED

CONTAINERS
CLOUD-NATIVE SOLUTIONS
LEAN ARTIFACTS, INDIVIDUALLY DEPLOYABLE
CONTAINER-BASED SCALING & HIGH

APIs
WELL-DEFINED, REUSABLE, & WELL-MANAGED ENDPOINTS
ECOSYSTEM LEVERAGE

RED HAT® FUSE
RED HAT® AMQ
MICROSERVICES
RED HAT® ³SCALE®
API MANAGEMENT

RED HAT® OPENSIGHT
**Microservizi: runtime, metodi, pattern ed ultime novità**

Ugo Landini - Solution Architect

14:30 — 15:00

**ISTIO: Service mesh e microservizi**

Giuseppe Bonocore - Solution Architect

Ugo Landini - Solution Architect

15:00 — 15:30

**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

**Service Mesh**

**Microservices layer**
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
GRAZIE PER L’ATTENZIONE

Pierluigi Scardazza - EMEA Sales Lead, Application Modernization & Migration

Vittorio Colabella - Middleware Sales Lead