



Build, Run, Manage

Tying it all together

Diego 迪戈 Bessone

Beijing 北京, China – May 21st, 2015



What have we talked about this week?

Hardware

Solutions

Data

Users

Software

Results

Infrastructure

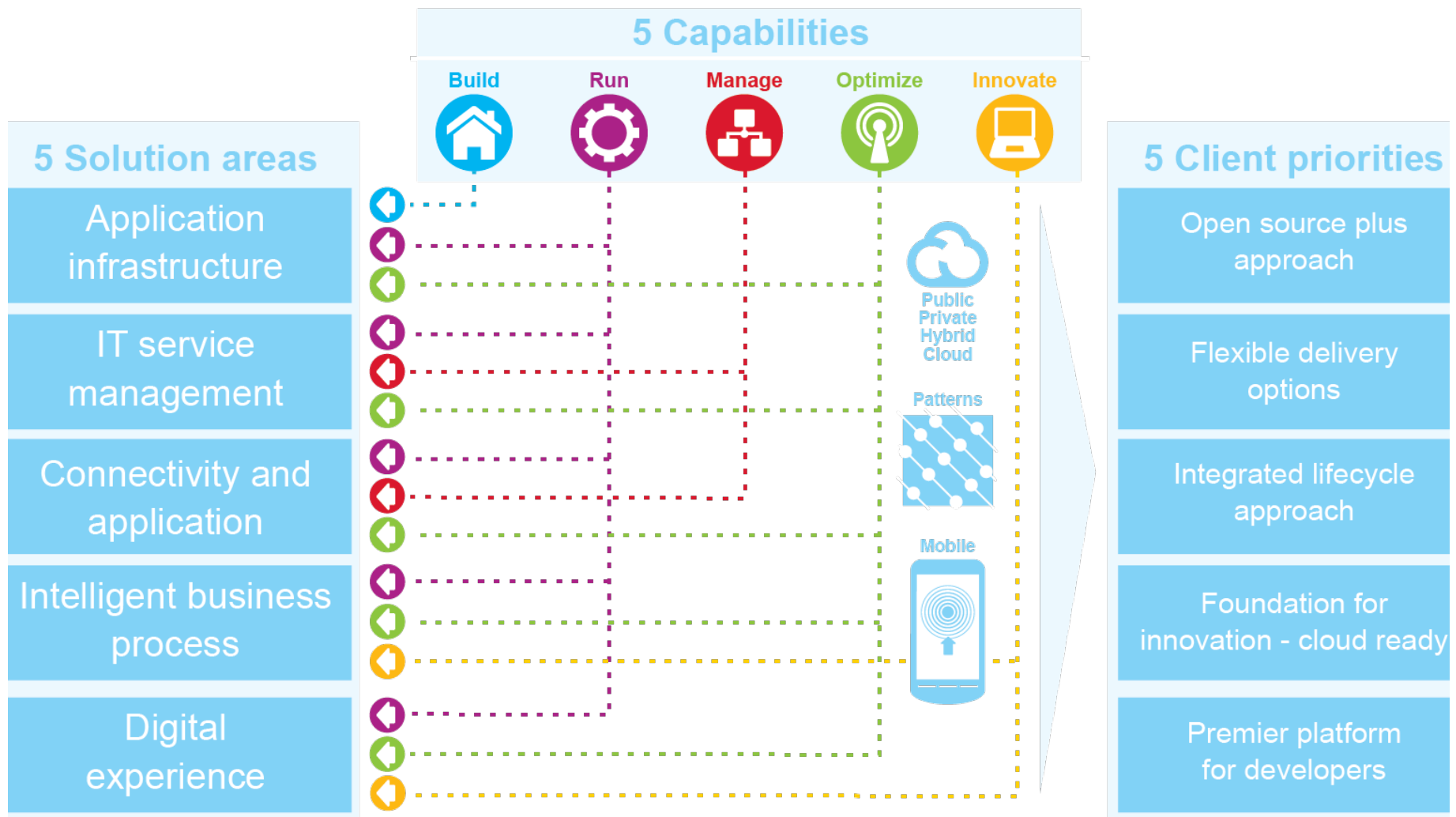
Workload

Build, Run, Manage

Once you have completed this module, you should be able to:

- Identify Systems Middleware Solution Areas
- Execute Systems Middleware Selling Strategy
- Apply DevOps strategy for Integration and Modernization
- Promote Innovation through zMiddleware Software

Systems Middleware solution areas, client priorities, and infrastructure capabilities



Selling Areas



Build: Rational

DevOps
Continuous Engineering



Run: WebSphere

Application Infrastructure
Connectivity and Application
Intelligent Business Process
Digital Experience



Manage: Tivoli

IT Service and Operation
Management

Build and Manage



DevOps (Software Development and IT Operations)

Dev: design, build, test, & deploy apps

Ops: dynamically manage and monitor the business

- Business Planning
- Software Development
- Software Quality Assurance
- Application Monitoring and Feedback
- Application Deployment

Manage

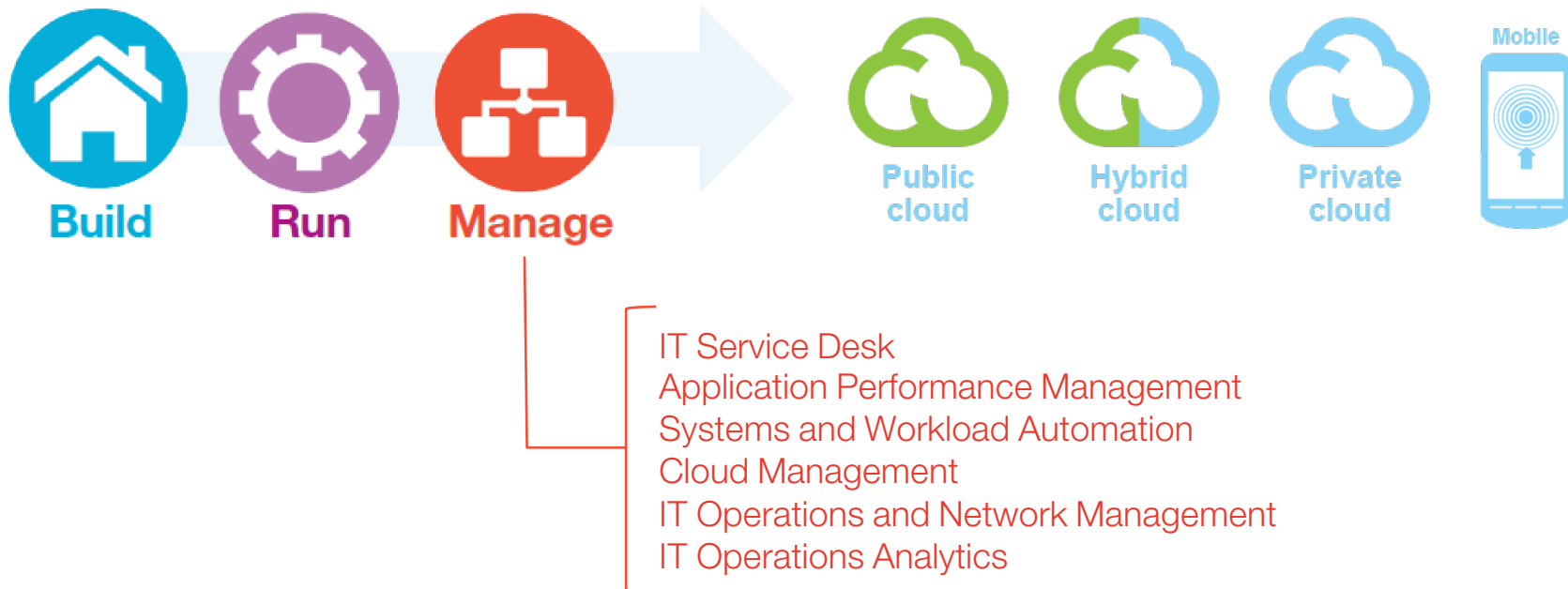
Reporting, Analytics & Document Generation
Workflow, Change and Configuration Management
Requirements Management
Modeling and Simulation
Quality Management and Testing

Run

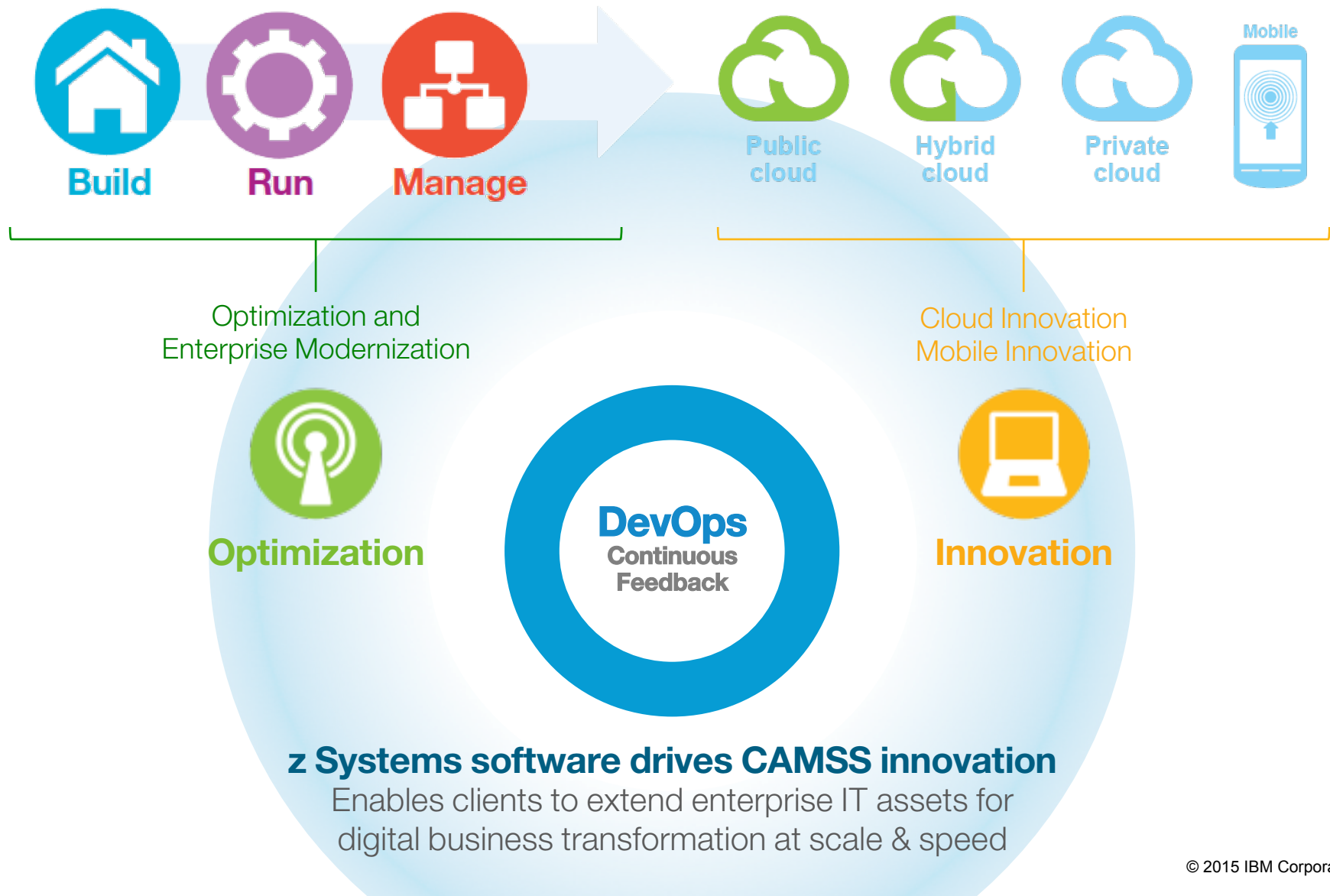


Application Platform Foundation
Elastic Caching
Application Optimization
APIs & Hybrid Cloud Integration
Integration Foundation
Messaging
Managed File Transfer
B2B Integration
Process Discovery and Design
Business Activity Monitoring
Business Process Management
Operational Decision Management
Customer Experience
Employee Experience
Responsive Web Design
Web Portal
Online Forms
Digital Asset Management
Digital Experience

Manage

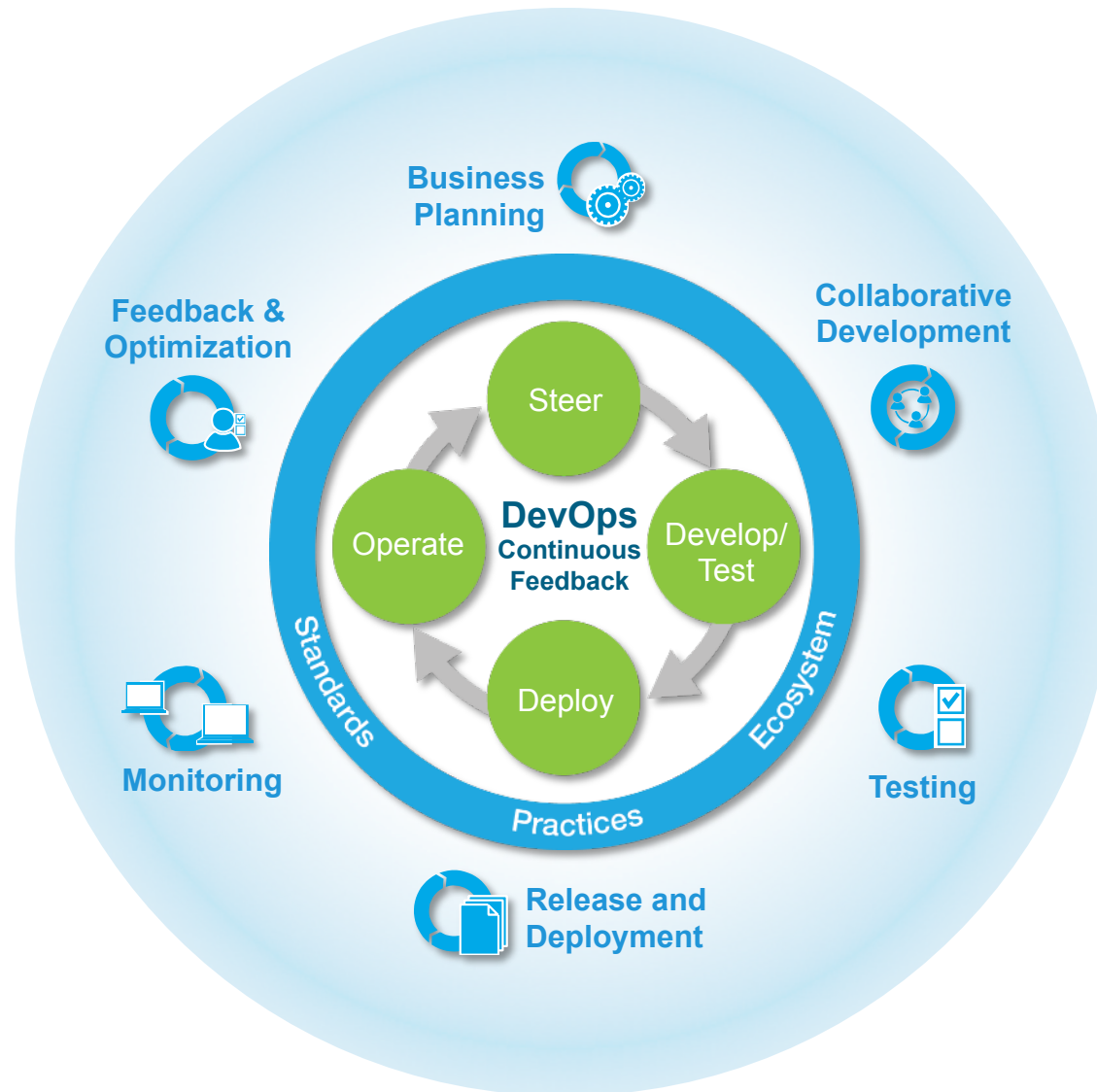


Optimization and Innovation



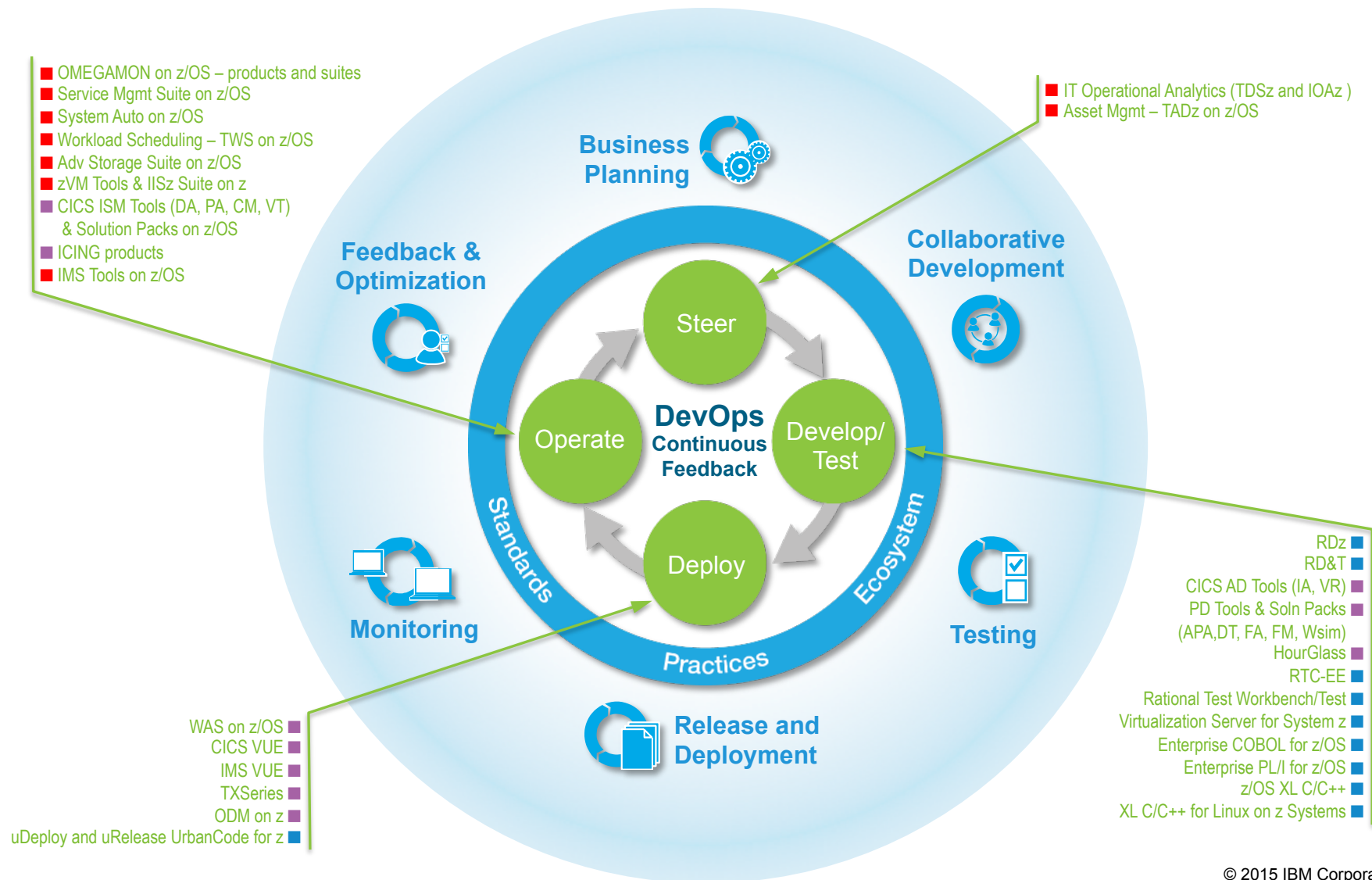
Sales View: IBM DevOps for z Systems Focused Messaging

The “HOW” for Cloud and Mobile



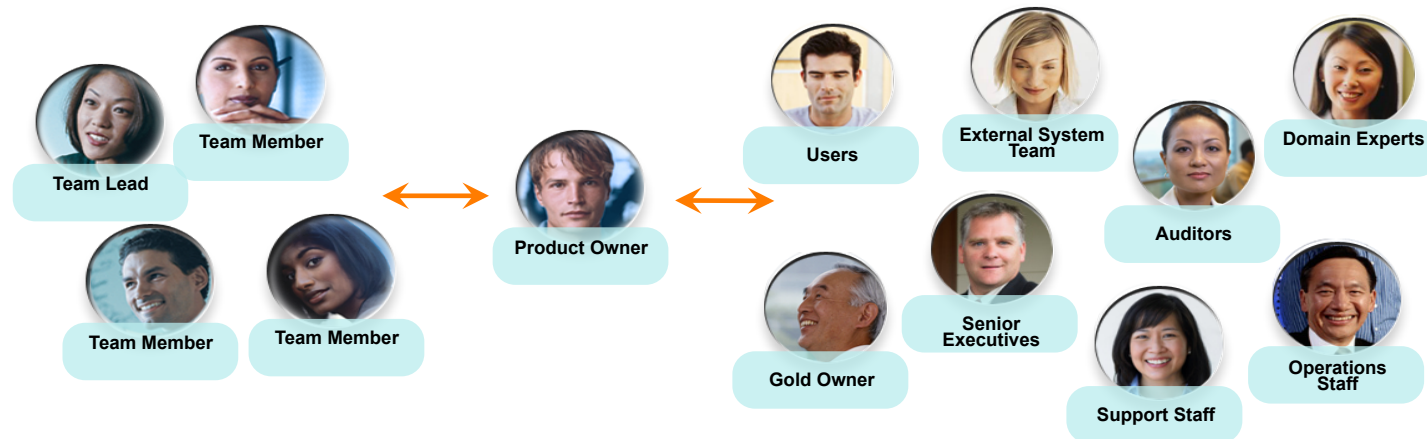
Sales View: IBM DevOps for z Systems Focused Messaging

The “HOW” for Cloud and Mobile



DevOps: A Practical View

Ensure applications are production-ready throughout the lifecycle and can be released at any time while minimizing rollback due to quality issues



- DevOps is a strategy – it's not just tools
- Organizations need to change their culture to integrate, automate, and provide transparency and visibility
- DevOps transformation needs to bring z/OS into the current century for development practices
- Mobile applications make hundreds of millions of z Systems Backend calls everyday (to COBOL, PL/1 etc.)
- DevOps keeps the development and deployment of this back end code in sync with that of the mobile front end, allowing faster time to market, and continuous improvement

DevOps at UBS

What's the secret behind continuous success?

The zEnterprise part of it...

The UBS 'DevOps' Vision



- close collaboration between platform, middleware & applications
- continuous deployment
- automate everything

Balance of Guideline and Control



- focus on the imported rules
- provide benefit for the developers
- role-orientated reporting

Testing: Fail fast – feel safe

“What Gets Measured Gets Done”

- fully automated / headless 'Continuous Regression Test'
- sophisticated runtime validation in all environments

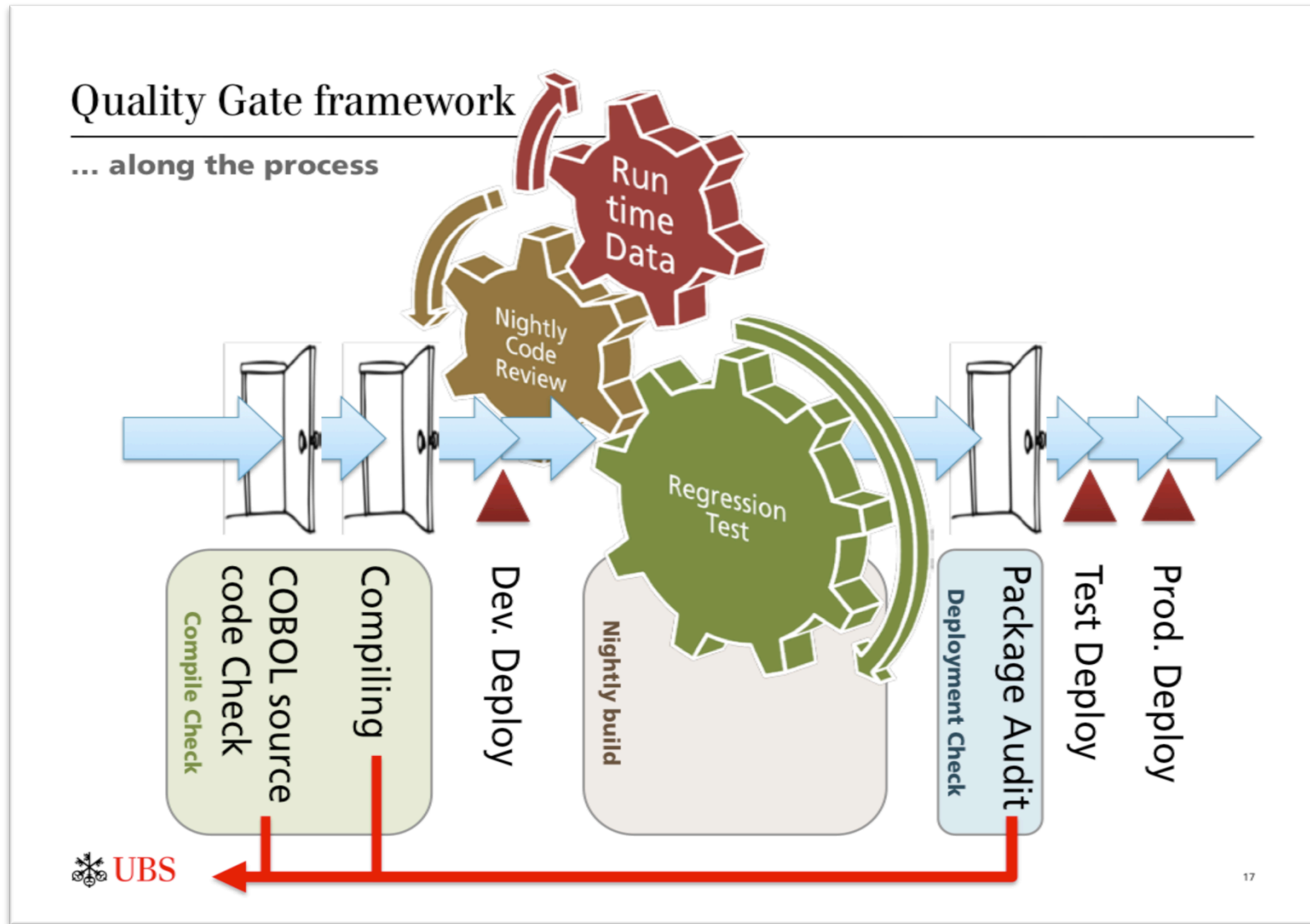
Code Review



- continuous 'Static Source Code' scans
- allowed exceptions
- keep the rules stable
- be transparent

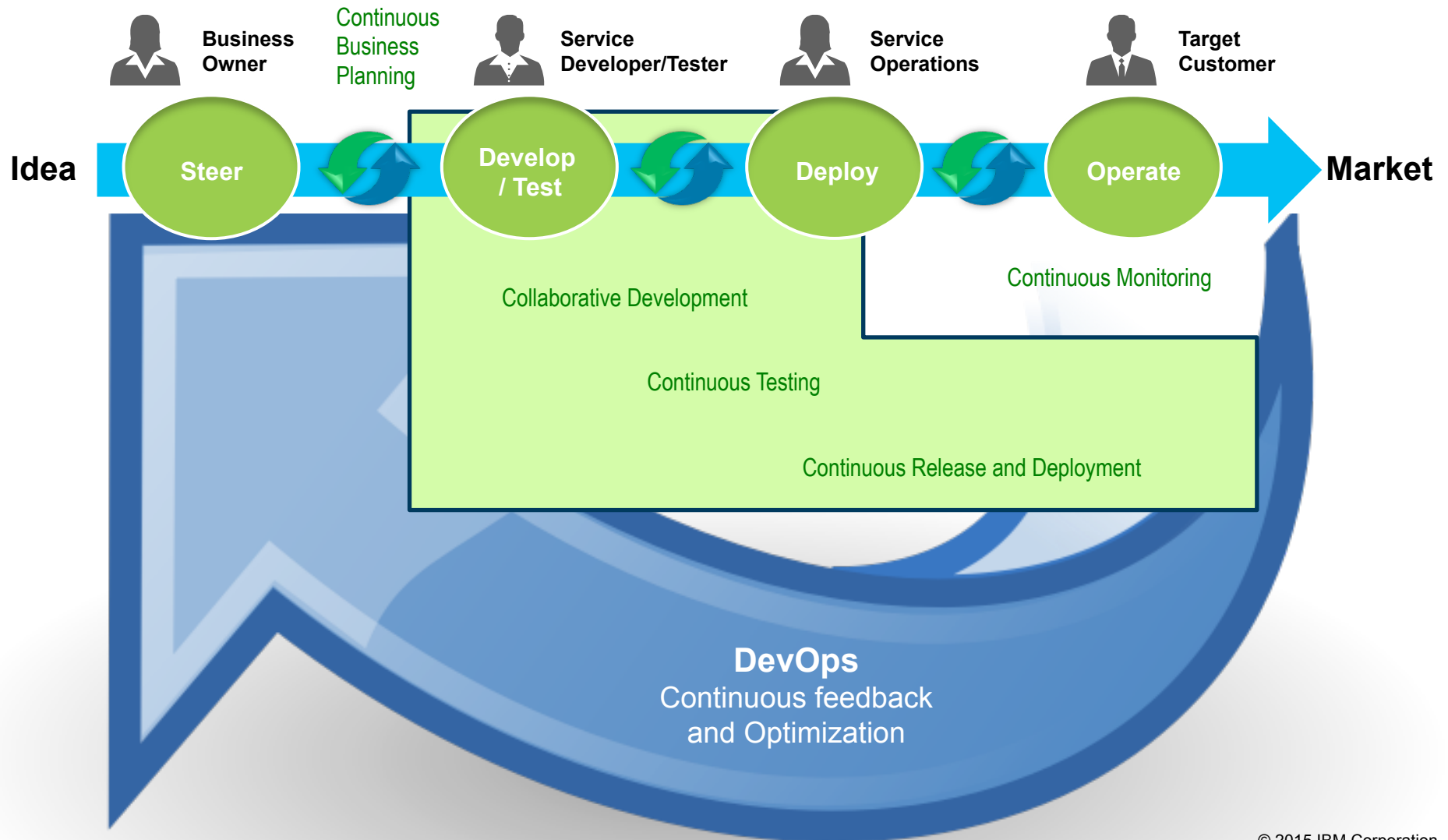


DevOps at UBS



Effective continuous delivery requires a whole-team approach

Extends Lean and Agile practices across the entire software value chain



zMiddleware solutions provide Application and Process **integration** and **modernization**, through an heterogeneous continuous delivery infrastructure

Mainly a retention strategy
Enables and encourages workload growth off-platform



Growth initiative
Addresses perception of z/OS as a heritage platform
Enables new workloads to target z/OS

zMiddleware enables staged modernization initiatives for **growth** of strategic workload on **z Systems**

Enterprise innovation

happens when strong and optimized **systems of records** satisfy every user demand leveraging efficient **systems of engagement**, while discovering valuable business knowledge through their real time **systems of insight**.



Advanced Top Gun: Winning with z Systems™



Designed for digital business

Engaging customer
experiences for
mobile

Insights at the point
of impact through
analytics

Efficient & trusted
service delivery with
cloud

Driven
with IBM
zMiddleware



Key learning points

- z Systems software drives **CAMSS innovation**: enables clients to extend enterprise IT assets for digital business transformation at scale & speed
- IBM DevOps is the “**HOW**” for Cloud & Mobile
- Effective continuous delivery requires a whole-team approach, extending **Lean and Agile** practices across the entire software value chain
- **zMiddleware** solutions provide Application and Process **integration** and **modernization**, through an heterogeneous continuous delivery infrastructure
- z Systems are designed for **digital business**, at a scale and speed unparalleled in the industry, throughout the full build, manage, run, optimize and innovate application lifecycle
- Enterprise innovation happens when strong and optimized **systems of records** satisfy every user demand leveraging efficient **systems of engagement**, while discovering valuable business knowledge through their real time **systems of insight**.

Advanced Top Gun: Winning with z Systems™



Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at www.ibm.com/legal/copytrade.shtml.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other product and service names might be trademarks of IBM or other companies.