



IBM Innovate 2012

# Enterprise Delivery Balancing Agility and Efficiency

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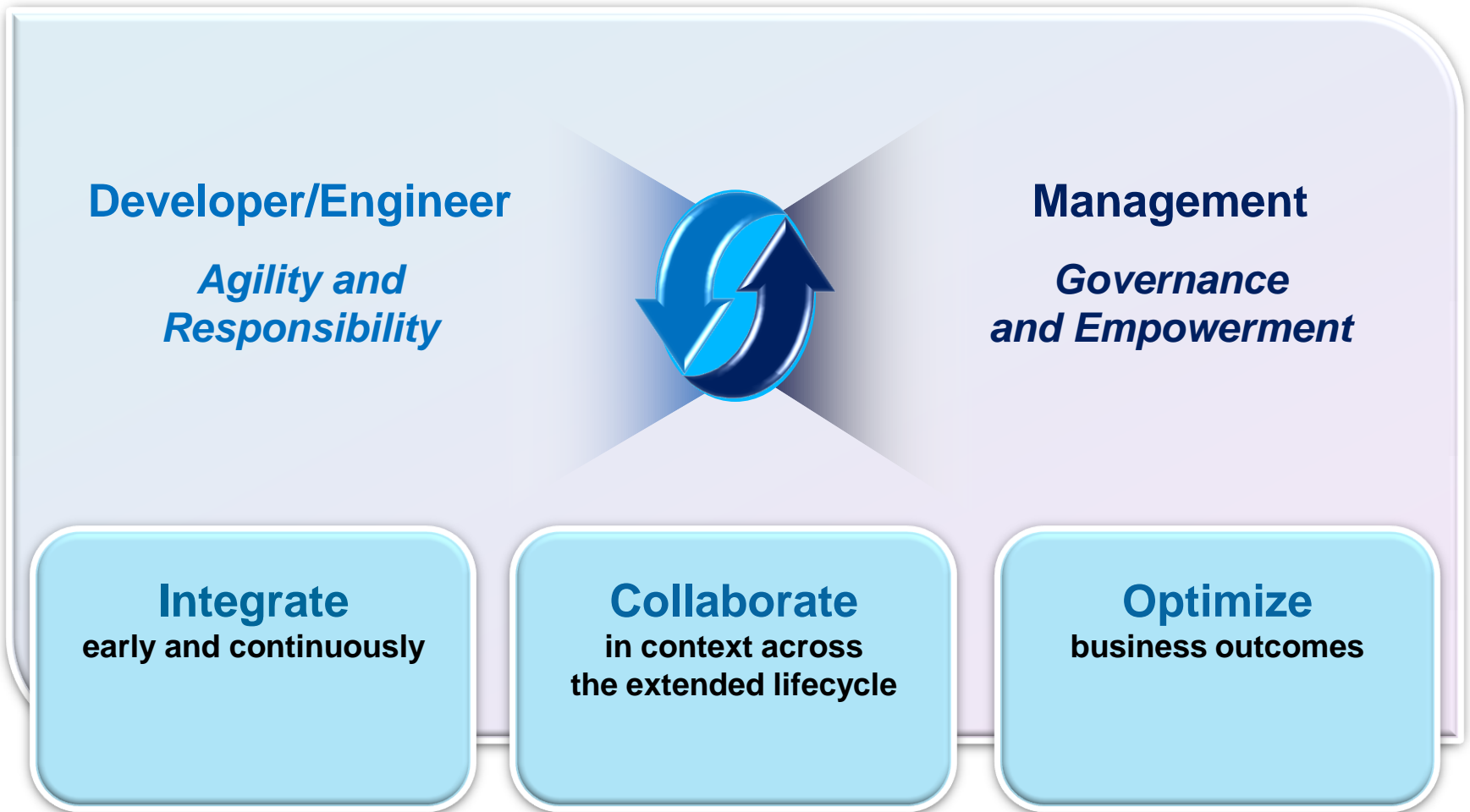
IBM Software

# Innovate2012

The Premier Event for Software and Systems Innovation



# Accelerate delivery for better business outcomes

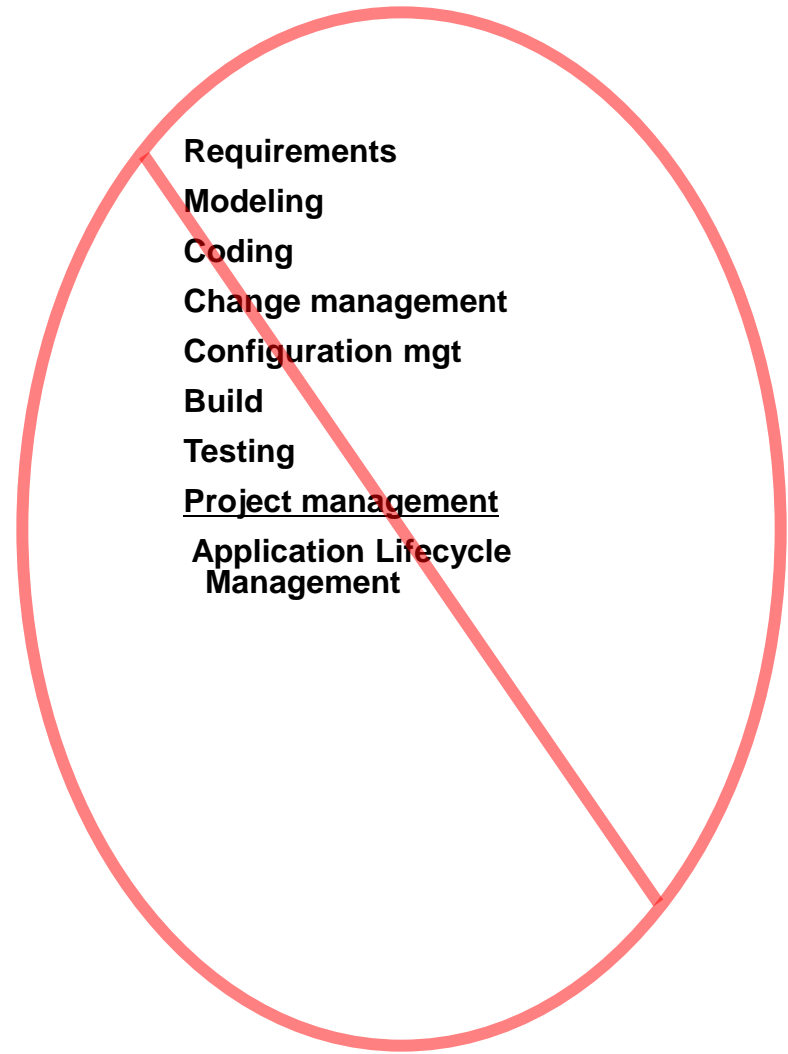


## ALM Algebra

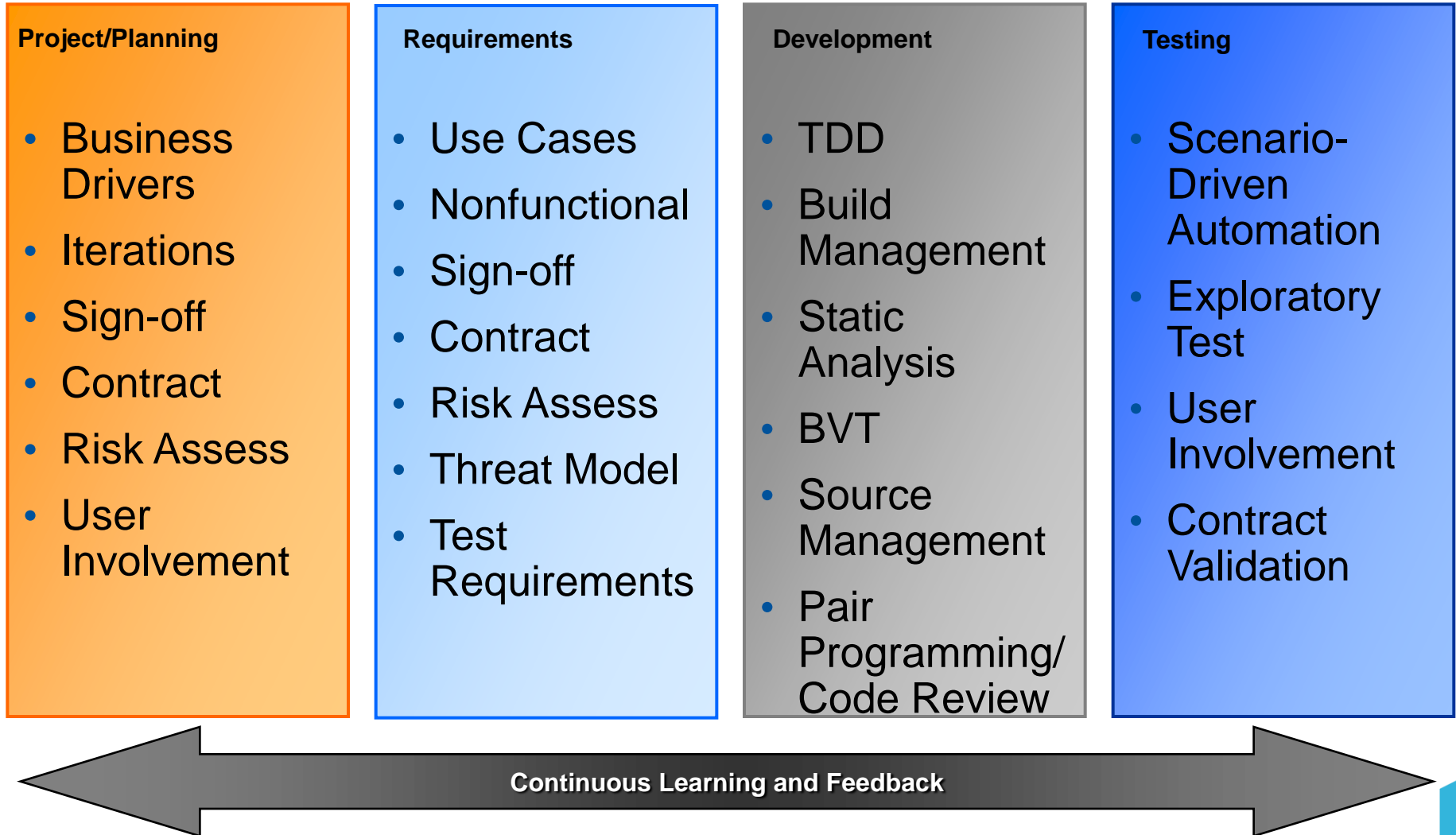
A software project can still fail if:

- ▶ Project managers expertly manage schedules
- ▶ Analysts diligently capture business requirements
- ▶ Developers write quality code
- ▶ Testers run thousands of tests

**But these activities do not correspond to each other, or to the needs of the business**



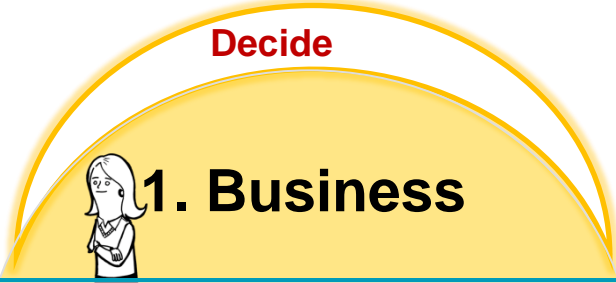
# ALM is about connecting the disciplines



Source: Gartner Application Architecture, Development & Integration Summit Presentation, The Future and Present of AD, Thomas E. Murphy, December 2008

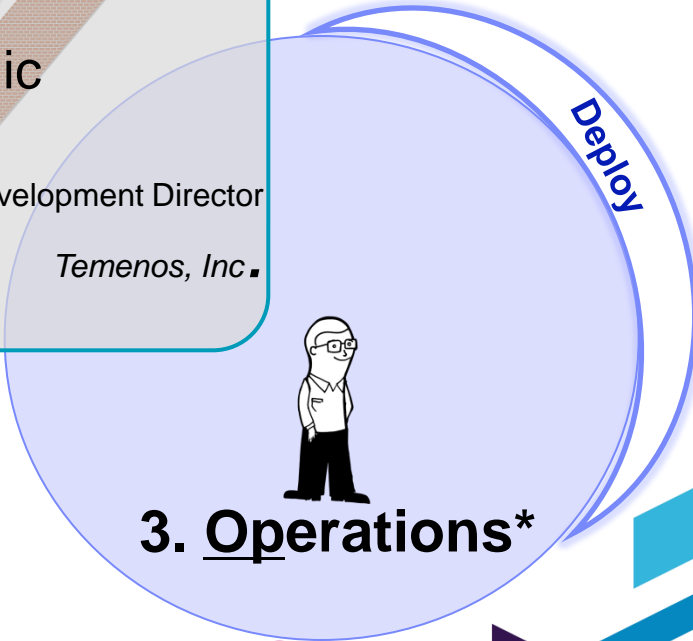
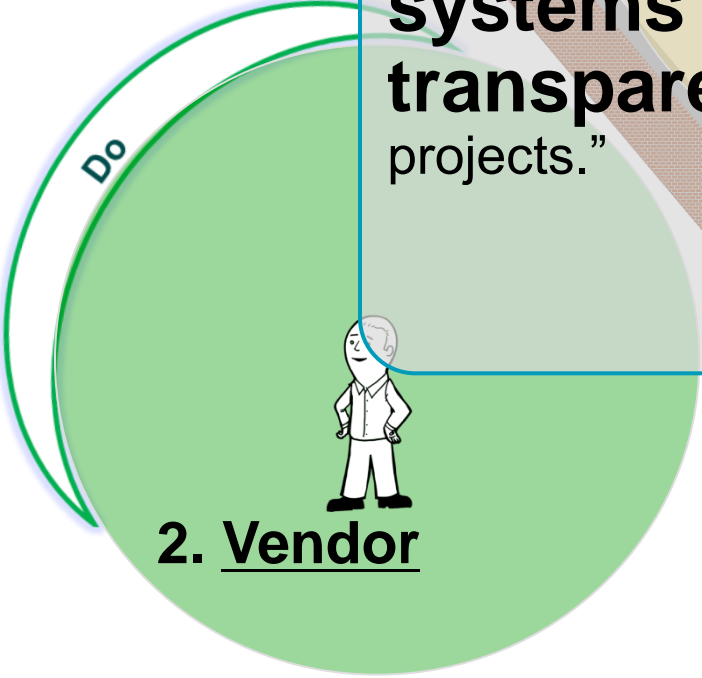
# Which is easier said than done ...

- People
- Best practices
- Data
- Tools



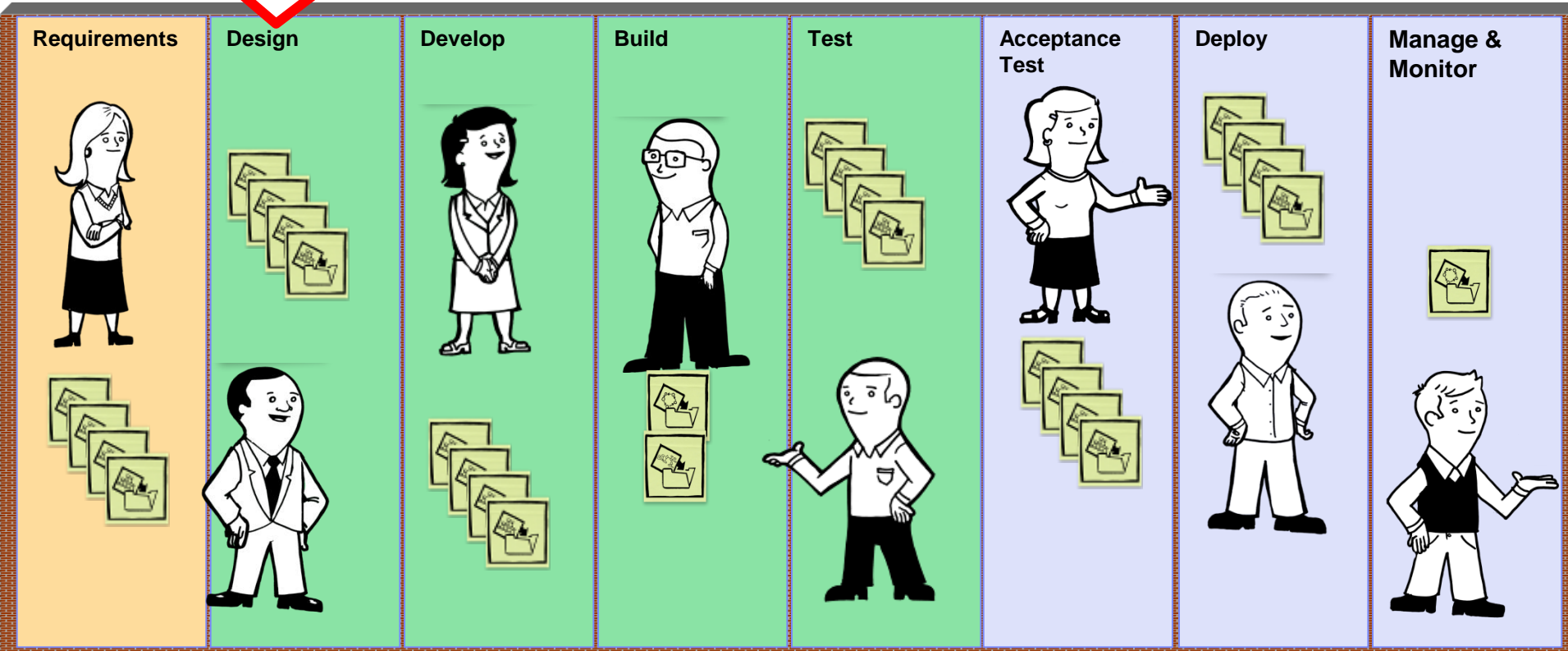
“At some point, you take a step back, and you realize you have an awful lot of **siloed systems** that are **limiting transparency** across strategic projects.”

- Development Director  
*Temenos, Inc.*

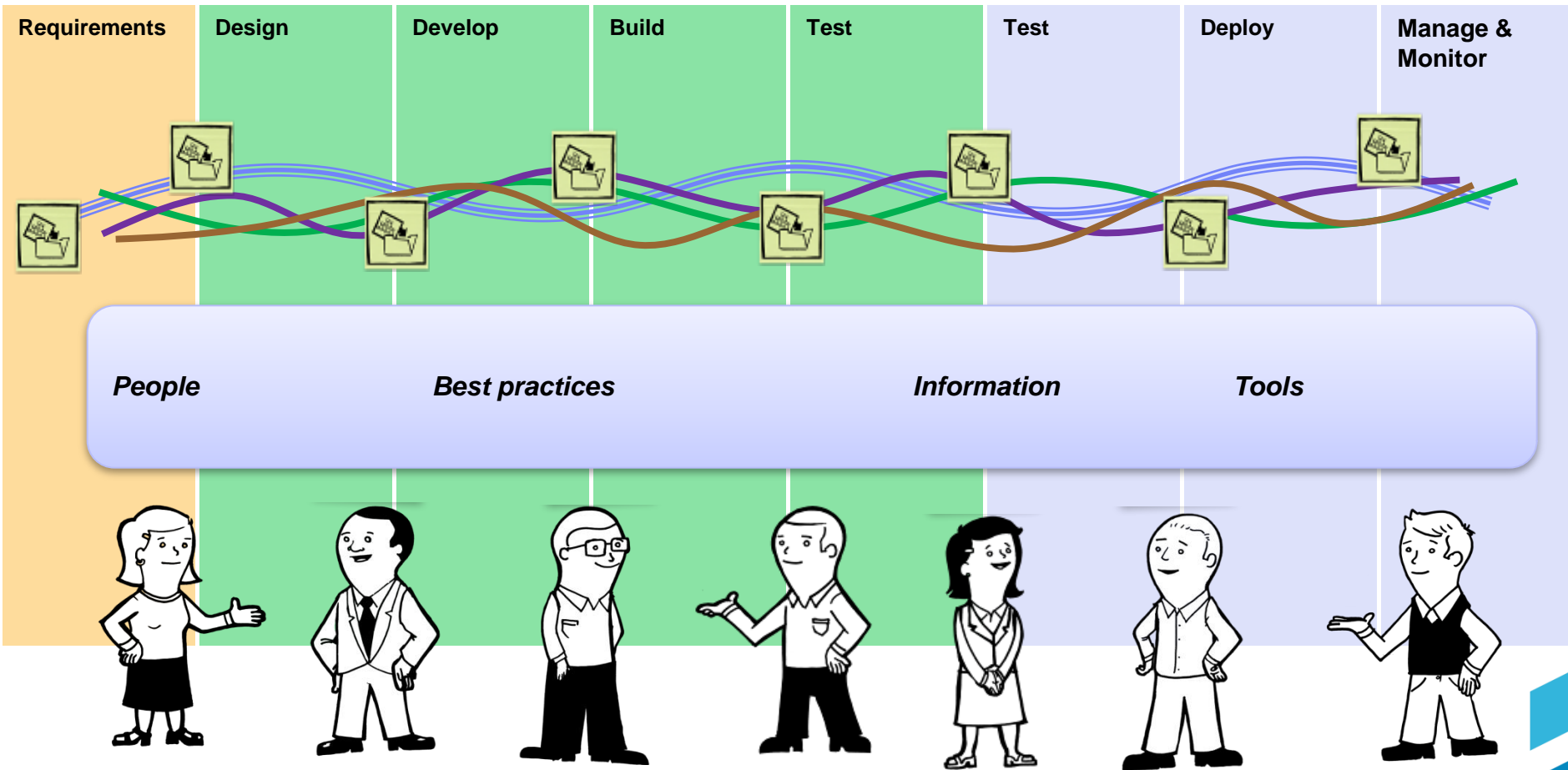


# Most often, We're good at going deep in each discipline

What business capabilities are getting released with Release 4?



# The challenge is coordinating across the disciplines...



# Collaborative Lifecycle Management can improve productivity

CLM manages the flow of:

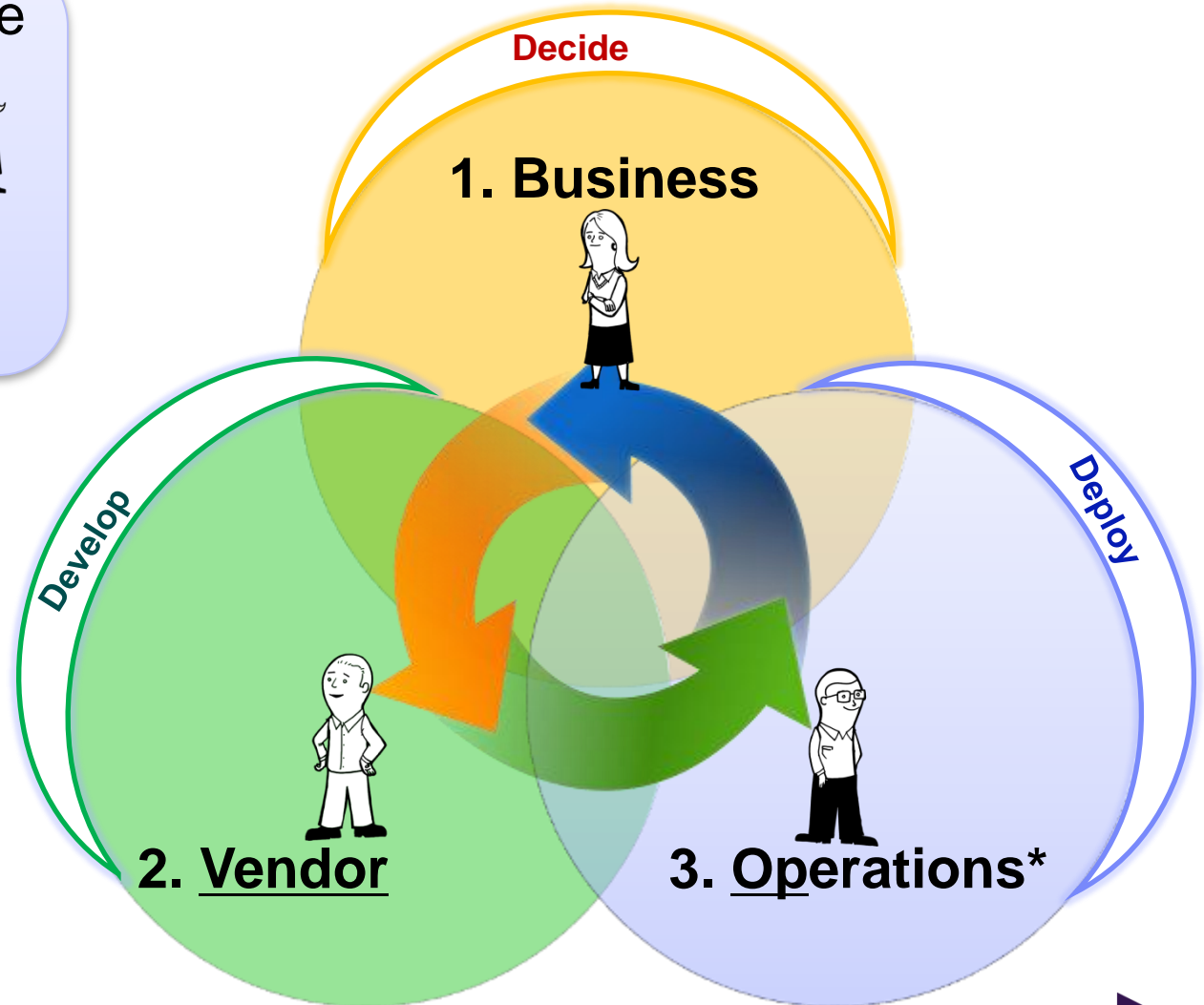
**People**



**Process**



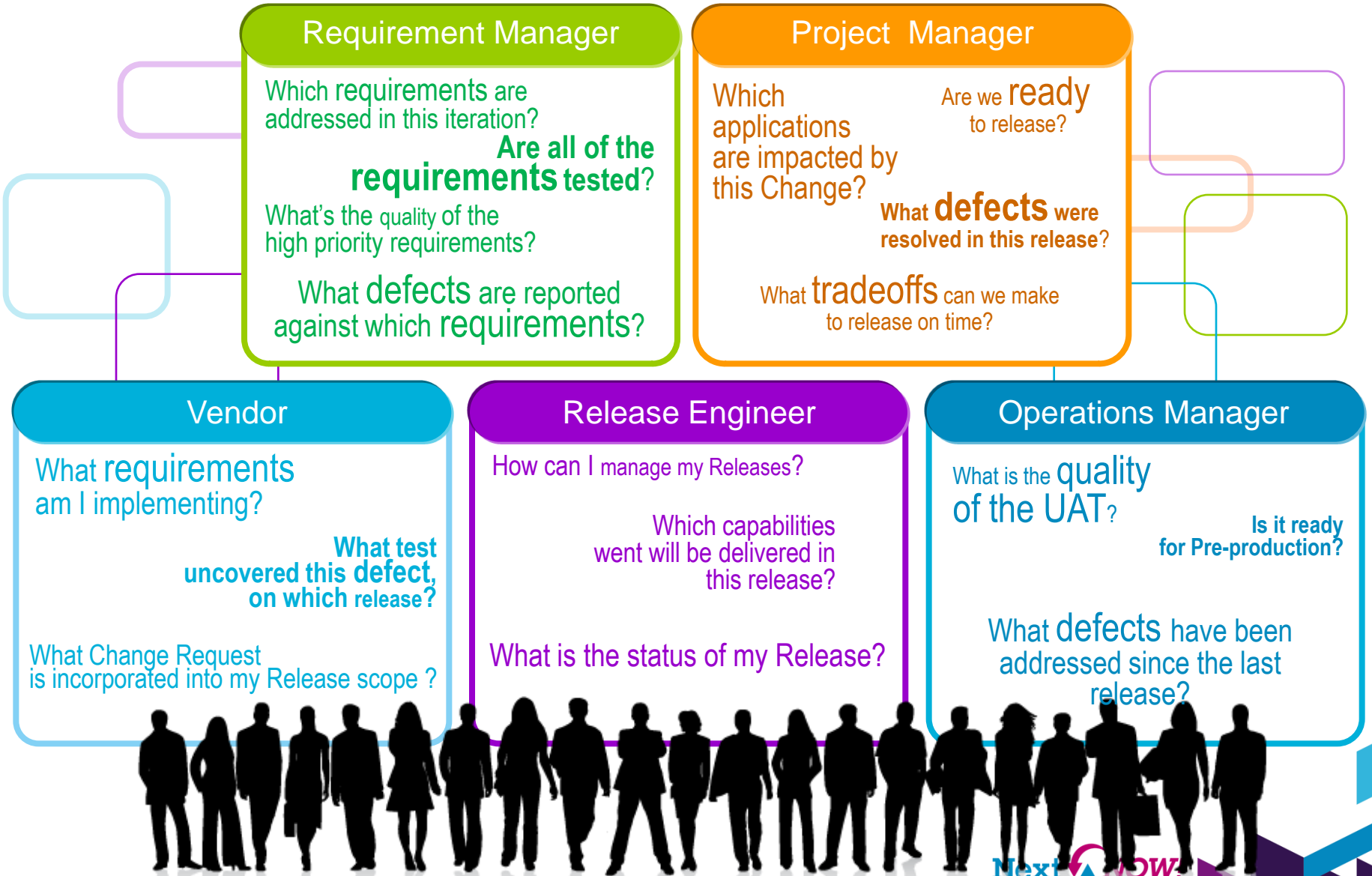
**Information**



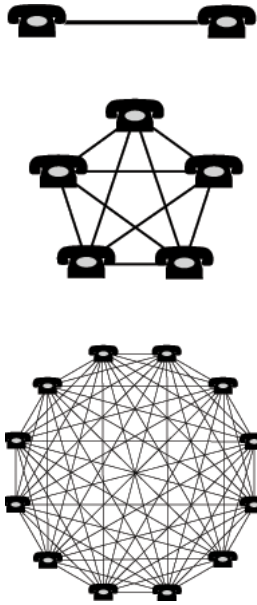


# What do 'I' want to know

Can the team get answer these questions with minimum effort in least possible time...



# The Integration Problem



Over time, the costs of the current set of integrations goes up, as does the cost of making changes.



Point-to-point integrations don't scale. "Ecosystems" lock you in.

- **Integrations consume more and more of the IT budget:** 76% of software project delays are caused by integration activities
- **End-user productivity suffers:** Either stuck with the wrong tool, stuck doing manual integration, or both
- **More limited ability to respond to change:** Constrained by exhausted IT budget and lower productivity

# Leveraging the power of linked data through OSLC

- Growing industry impact
  - Integrate over 40 tools natively and through 3<sup>rd</sup>-party adapters
  - Foundation for major interoperability projects
  - Deepening and expanding scope

**Eclipse Lyo**  
Enabling tool integration with OSLC

Now available: OSLC4J & test suite for CM and Core

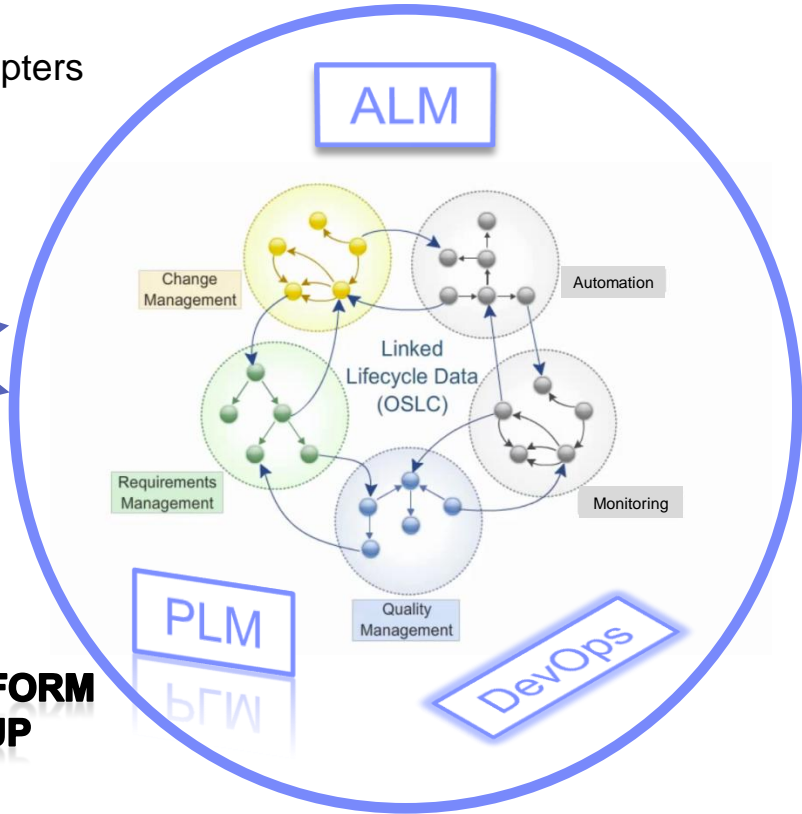
- Lyo makes OSLC integrations easier
  - SDK, Test suites, Reference implementations

**W3C** WORLD WIDE WEB consortium

**LINKED DATA PLATFORM WORKING GROUP**

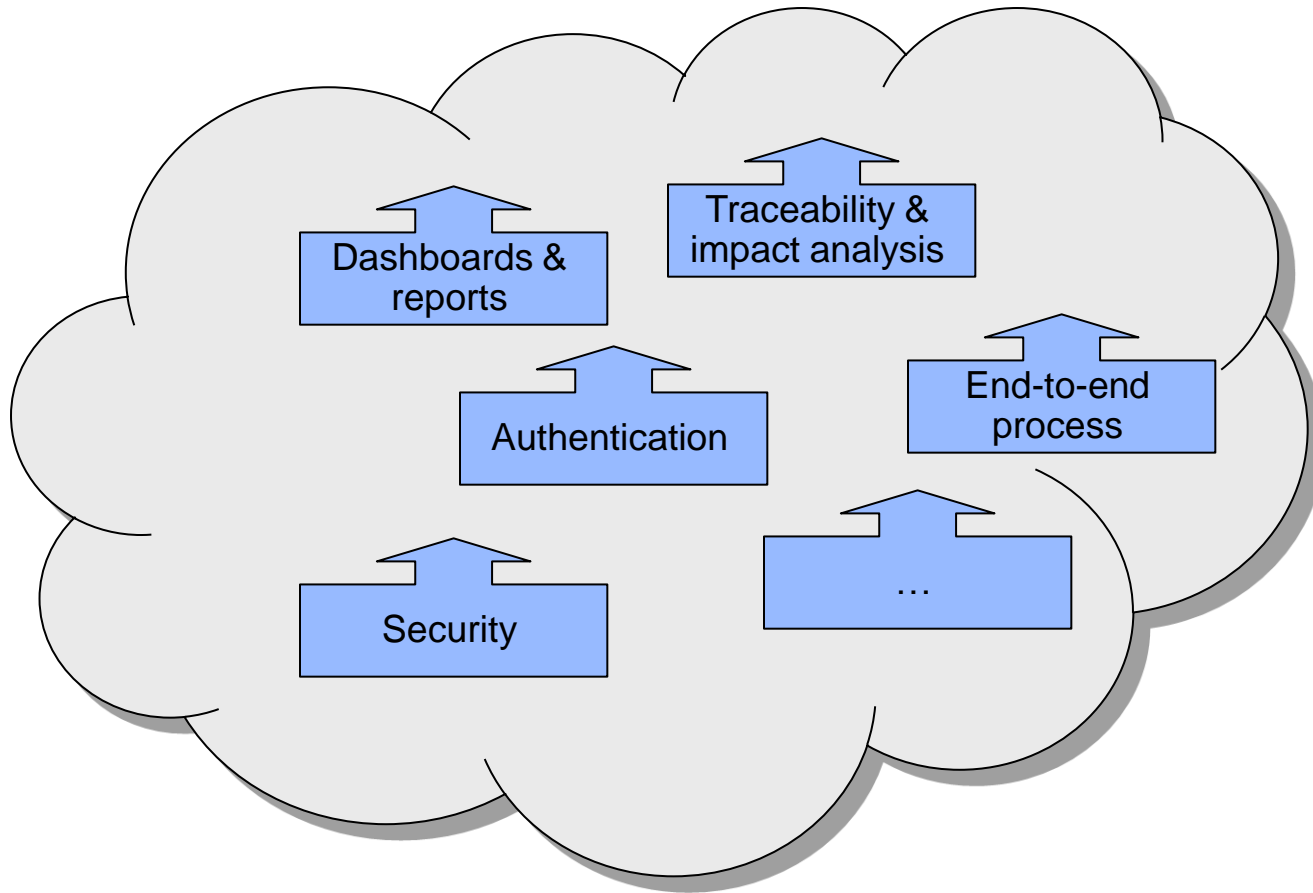
- Standardizing part of the OSLC Core specification
  - Co-submitters: DERI, EMC, IBM, Oracle, Red Hat, SemanticWeb.com, Tasktop

**Open Services for Lifecycle Collaboration**  
Lifecycle integration inspired by the web



- OSLC Steering Committee
  - Founding members: Accenture, Creative Intellect, EADS, IBM, Siemens, Tasktop

... and then we need a way to go beyond simply linking data



*Some services don't belong in any one tool*

*Improving tool<->tool integration is necessary, but not sufficient*

## ✓ Open choice and rich integration

### Uniform Resource Identifiers

“I can link virtually any resource to virtually any other resource, regardless of where the resource lives!”

### Standard Interfaces

“Each tool can evolve independently without breaking integrations!”

### Open Standards for the Lifecycle

“Each domain can create standards without having to wait on the others or get the whole industry to agree!”

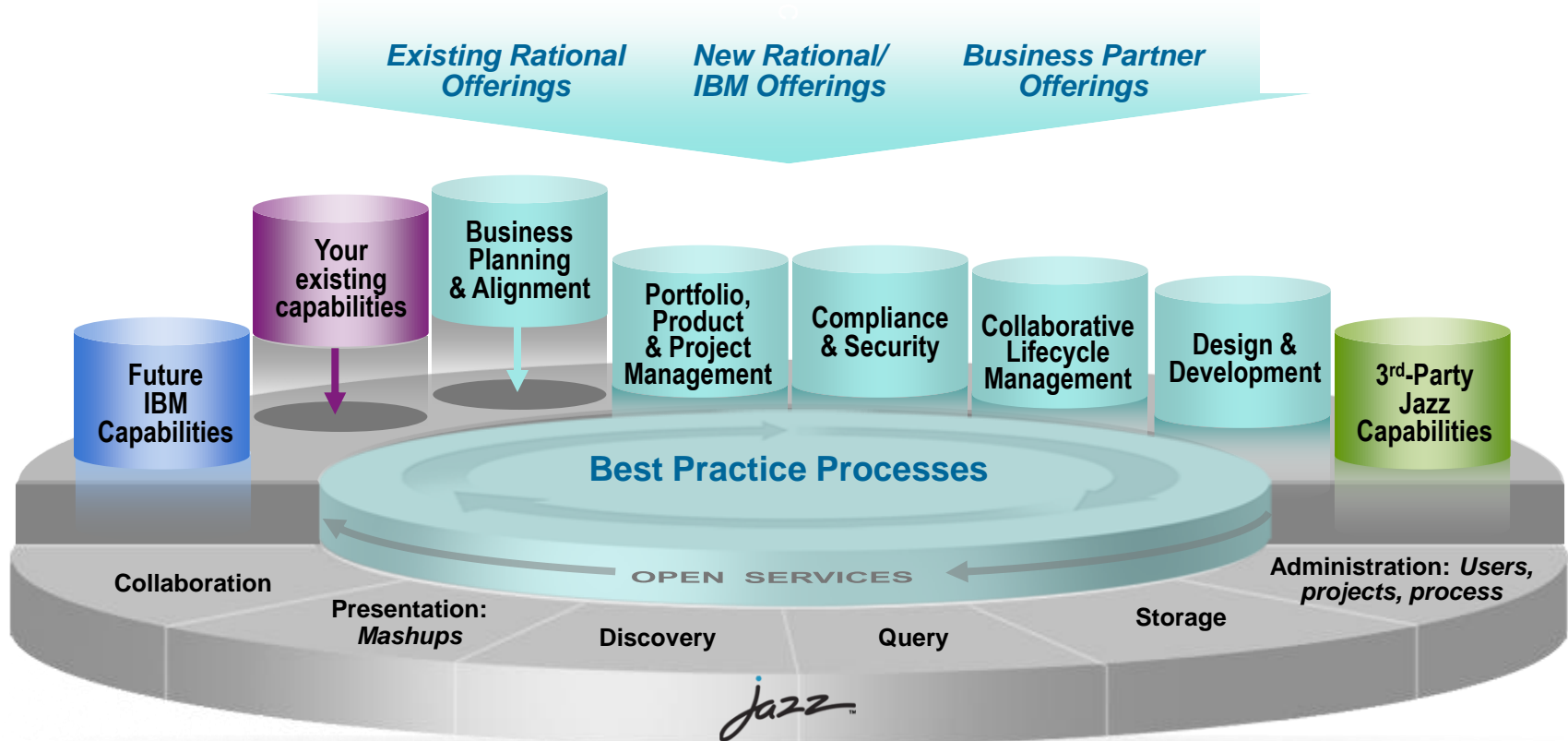
*Open Services for Lifecycle Collaboration  
open community. open interfaces. open possibilities*

### Integration Services

“Each vendor can evolve their tool to exploit the services that are valuable to customers like me!”

## ✓ Evolutionary and incremental adoption

# Flexibly integrated into a process based on client needs



## Jazz is...

- A scalable, extensible team collaboration platform
- A community at Jazz.net, where you can see Jazz-based products being built
- An integration architecture, enabling mashups and non-Jazz based products to participate

# What is required to deliver end-to-end visibility across teams, vendors tools and projects?





## Gartner: Five Principal benefits of ALM






What do you get from ALM implementations?	
<b>Agility</b>	Through the collaboration and application of “just enough” processes
<b>Predictability</b>	Through better estimation, better communication and more repeatable processes
<b>Auditability</b>	Traceability of work back to a business need,
<b>Quality</b>	Through more-effective management of requirements, design and quality processes
<b>Productivity</b>	Through the continuous improvement of processes and practices, and more effective utilization of resources

Gartner, “MarketScope for Application Life Cycle Management, Research Note G00162941, December 2008, p. 2.



## Five Imperatives for Effective Application Lifecycle Management to improve organizational productivity



-  Maximize product value with **In-Context Collaboration**
-  Accelerate time to delivery with **Real-Time Planning**
-  Improve quality with **Lifecycle Traceability**
-  Achieve predictability with **Development Intelligence**
-  Reduce costs with **Continuous Improvement**

Learn more at [ALM Everywhere](#)

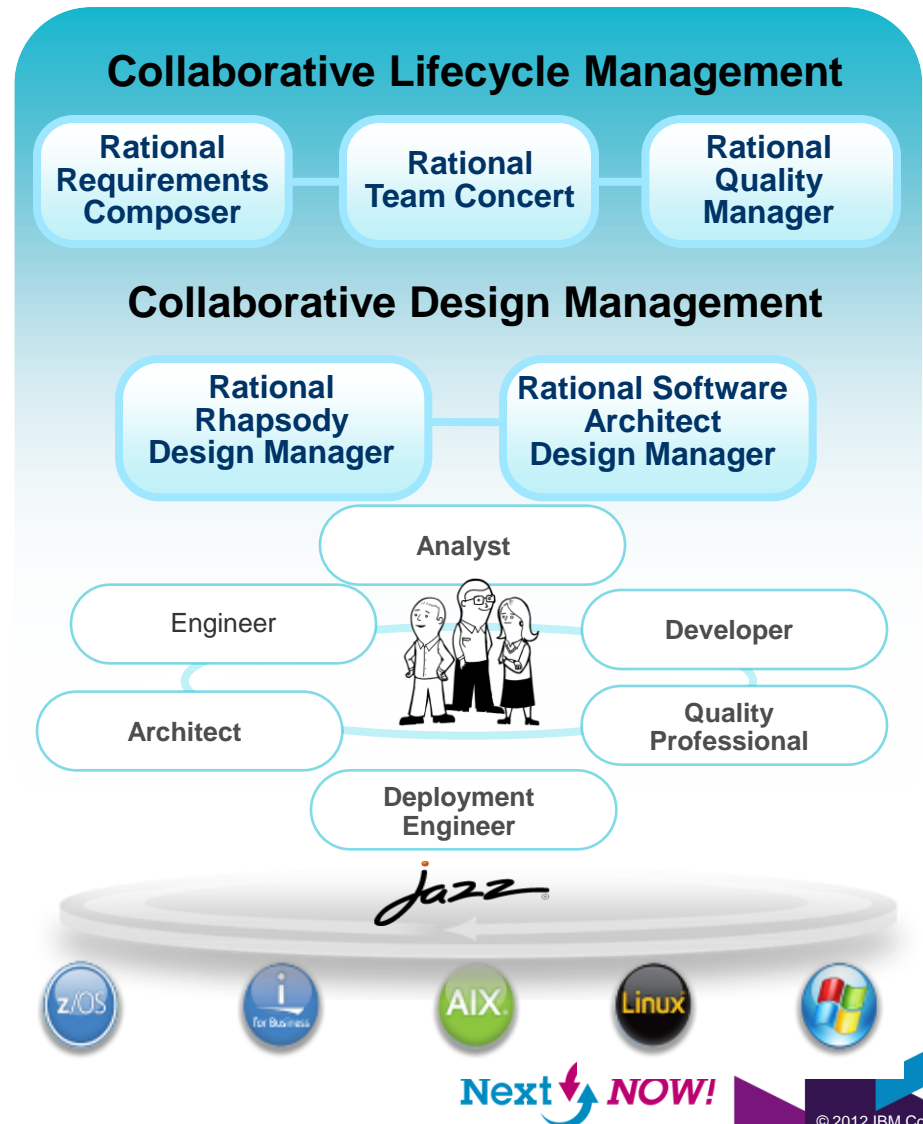
# Core Application Lifecycle Management offerings

## IBM Rational ALM Solutions

*Get Up and Running Quickly*

Reduce the costs of inefficient, multiplatform software development with integrated ALM solutions!

- Optimize your team's productivity through the 5 ALM Imperatives
- Collaborate across teams and create deep integrations across the lifecycle
- Extend as your needs evolve with role-based licensing
- Unify your infrastructure and protect your current investments with a single, open, extensible platform



# QUESTIONS

[www.ibm.com/software/rational](http://www.ibm.com/software/rational)



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