



[ 2012 IBM 開發者大會 ]  
資產管理進化論一

智慧再運用、價值極大化的共享知識庫

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IBM Software Group, Rational

Next  NOW!



# Technology has never been more important to the business

*For the first time, CEOs identify technology as the most important external force impacting their organizations*



# Transforming software and systems delivery is essential for business innovation

Adopt new technologies



Reduce risk and uncertainty

Improve time to market



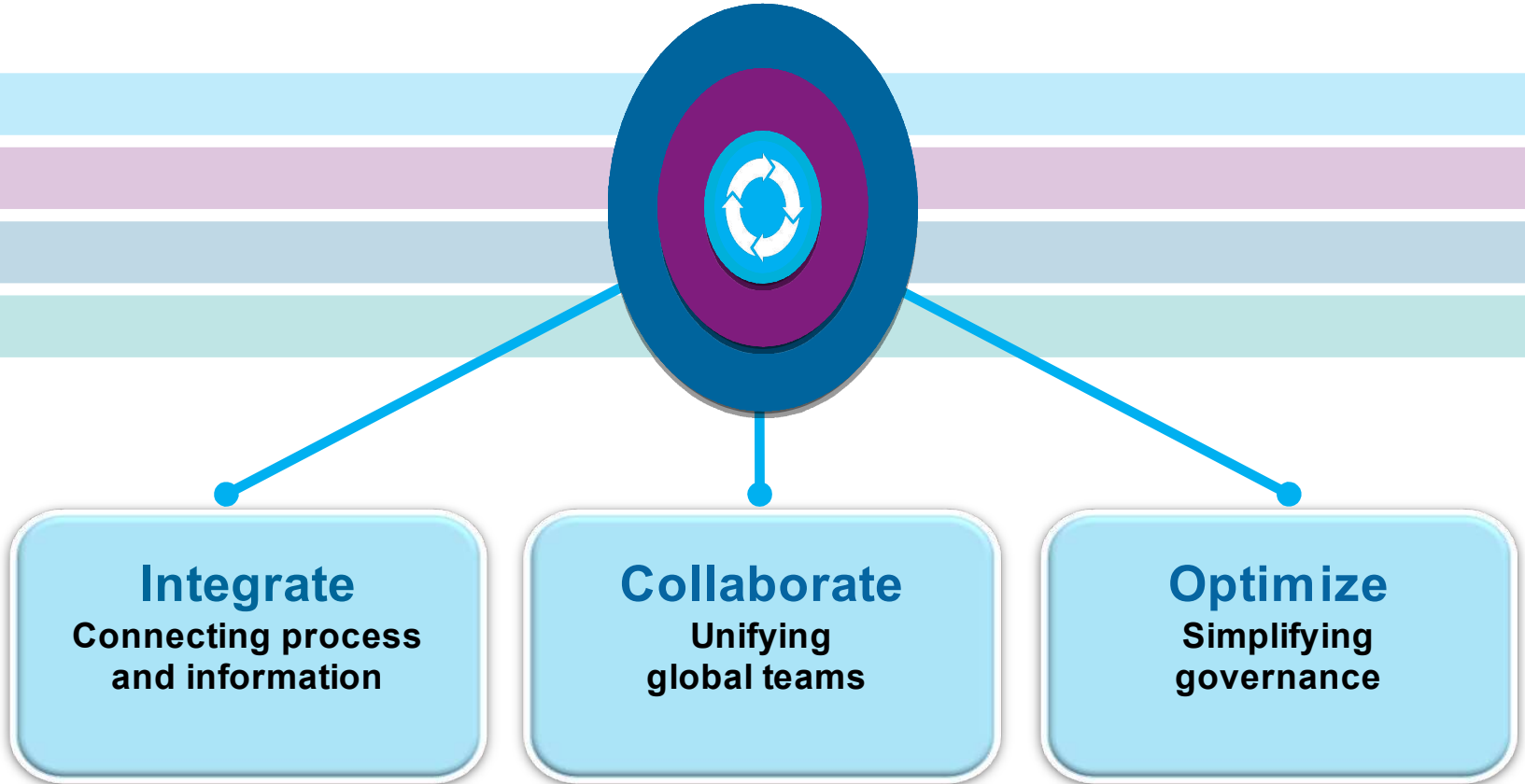
Achieve flawless quality and compliance

Invest to drive growth

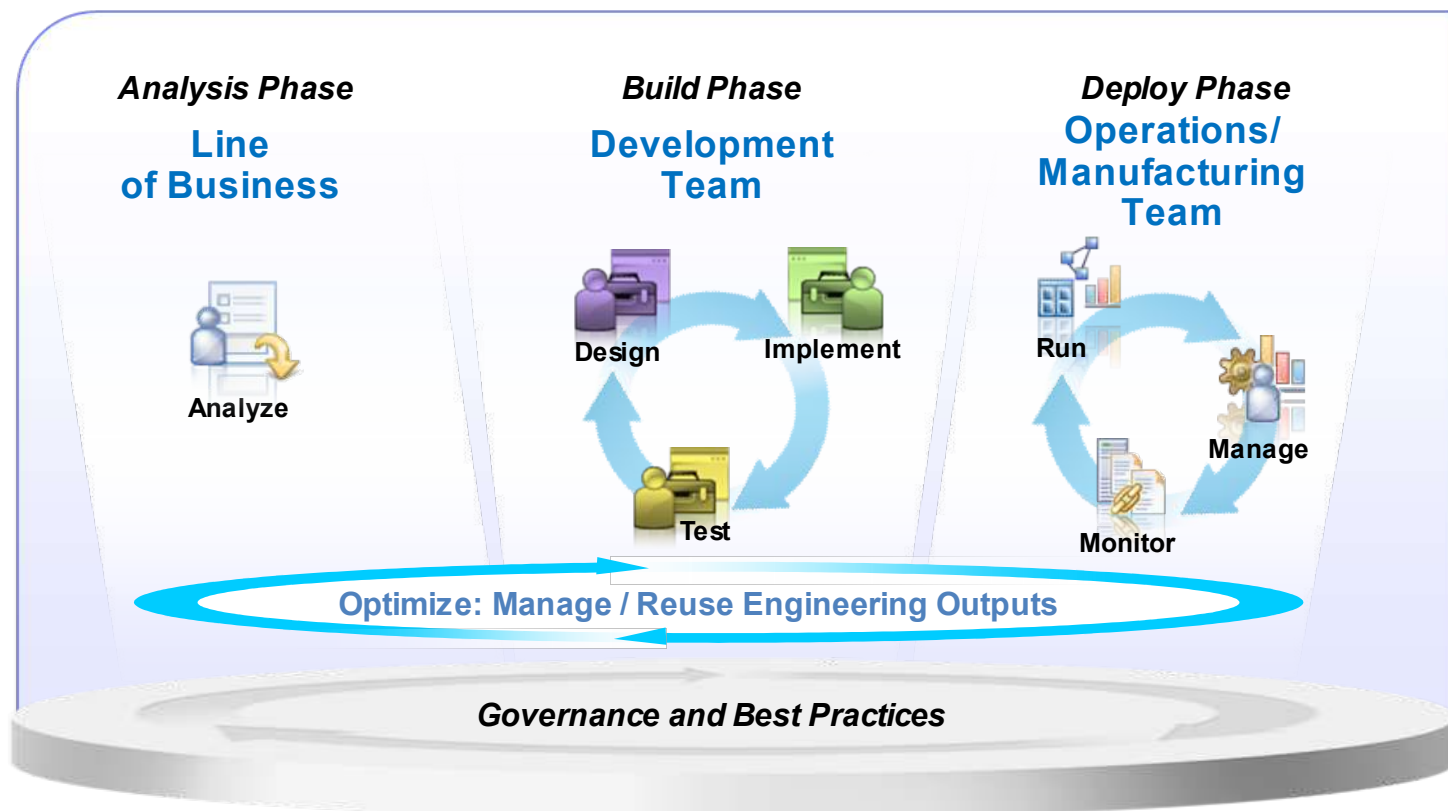


Cut total costs

# Accelerating software delivery is key to the business

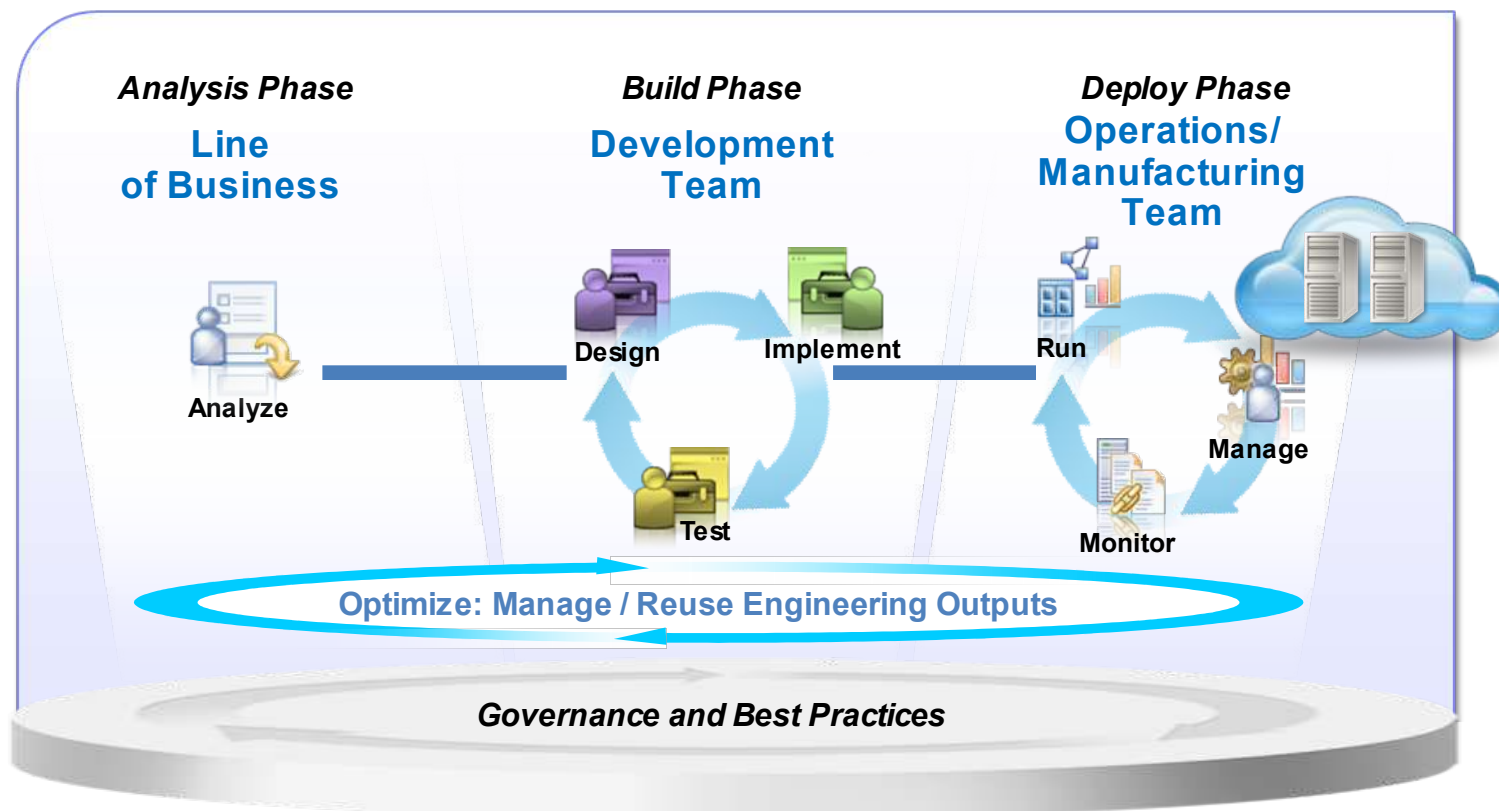


# Connecting people and engineering outputs in each phase accelerates software delivery



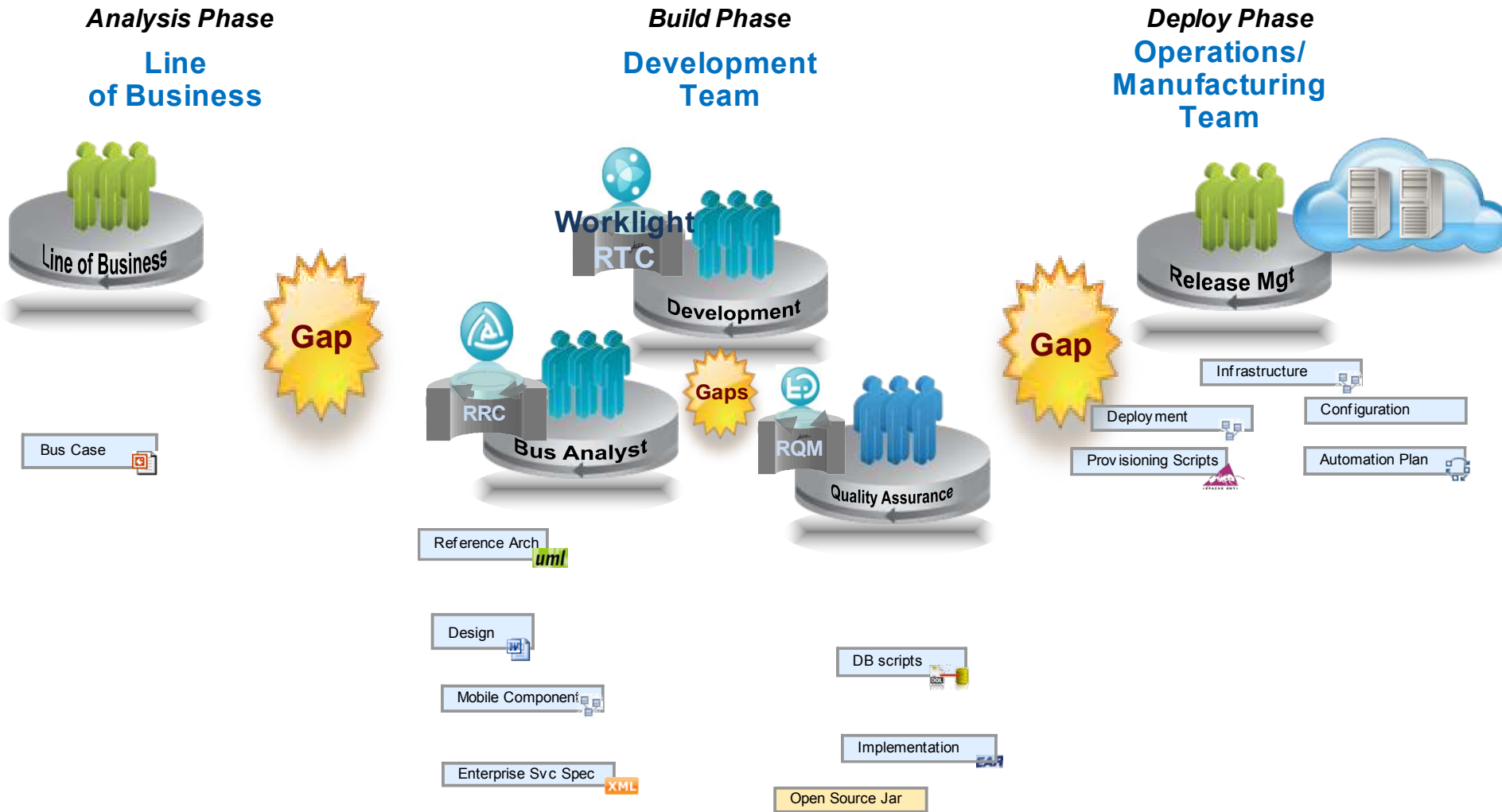
***Managing and reusing engineering outputs  
optimizes the delivery lifecycle***

# Connecting people and engineering outputs in each phase accelerates software delivery



**Connecting engineering outputs**  
**from the line of business to the cloud**

# Gaps between people and engineering outputs across phases



**Gaps between the business and development and operations negatively affect the delivery**

# Engineering outputs in each phase

## Analysis Phase

Line of Business



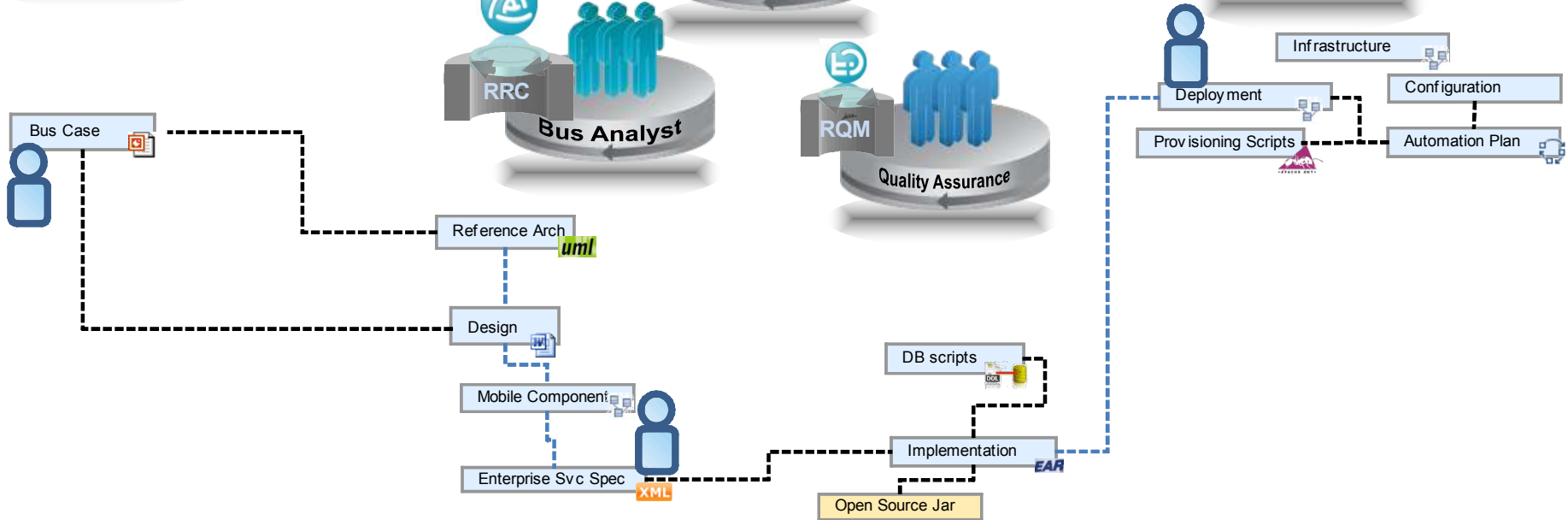
## Build Phase

Development Team



## Deploy Phase

Operations/  
Manufacturing Team



*Need to connect people and their engineering outputs across the phases*



# Optimizing people and engineering outputs in each phase

**Analysis Phase**

**Line of Business**



**Build Phase**

**Development Team**



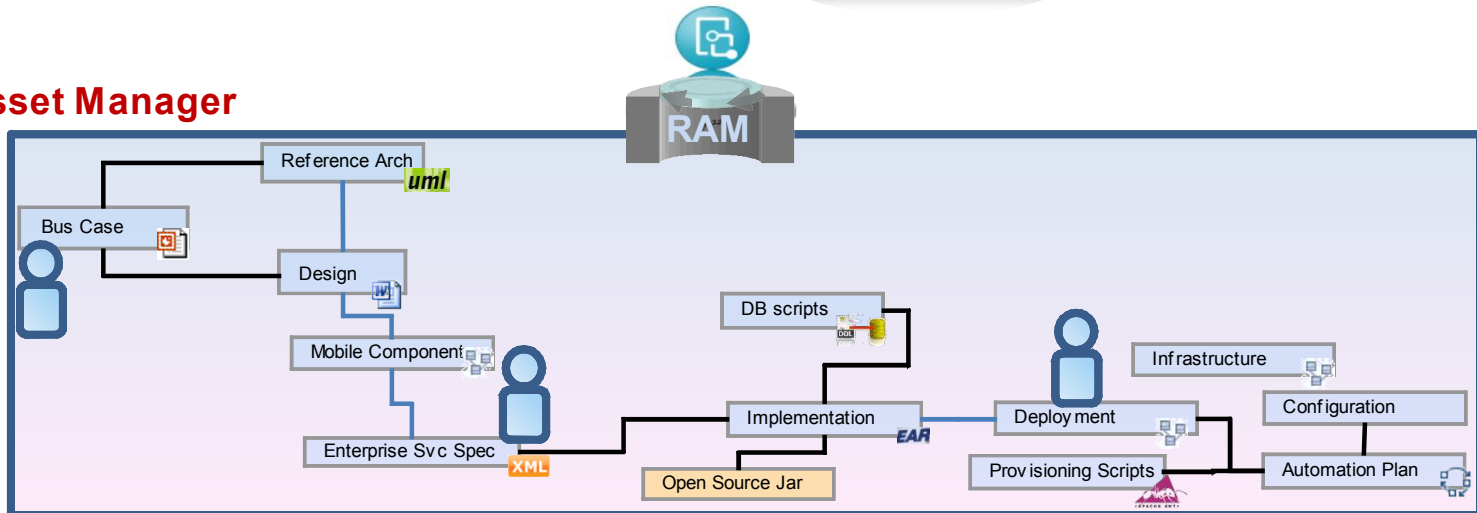
**Deploy Phase**

**Operations/  
Manufacturing Team**



## **Rational Asset Manager**

- Catalogs
- Governs
- Shares



# Optimizing people and engineering outputs in each phase

**Analysis Phase**

**Line of Business**



**Build Phase**

**Development Team**

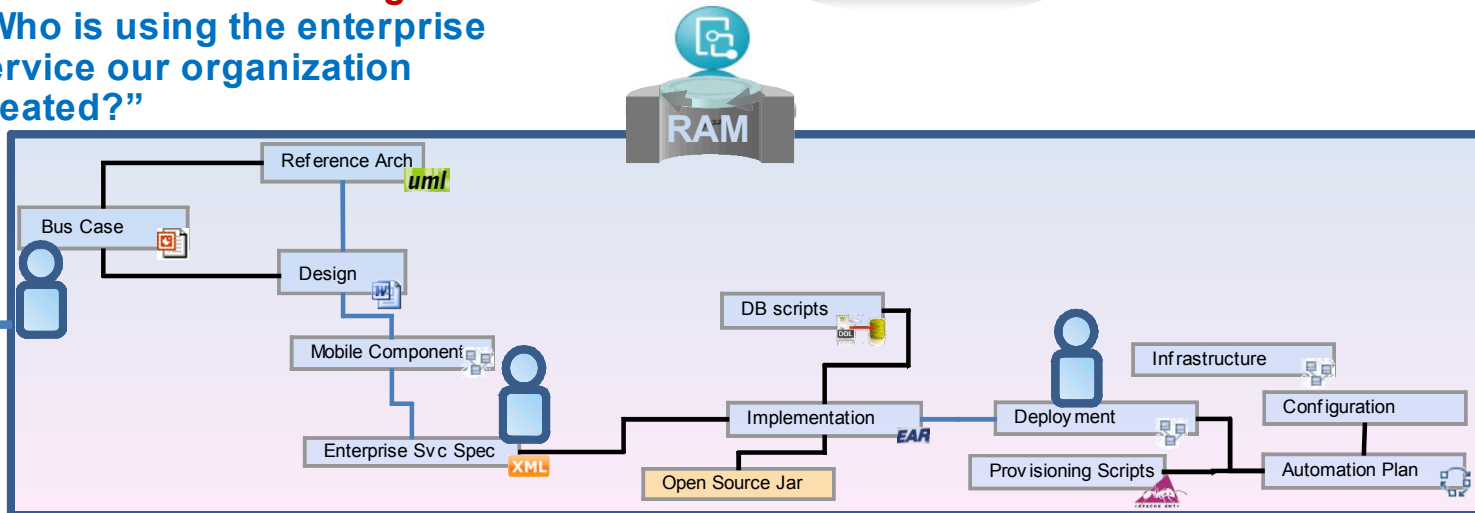


**Deploy Phase**

**Operations/  
Manufacturing Team**



**Line of Business Manager Asks:**  
 “Who is using the enterprise service our organization created?”



# Optimizing people and engineering outputs in each phase

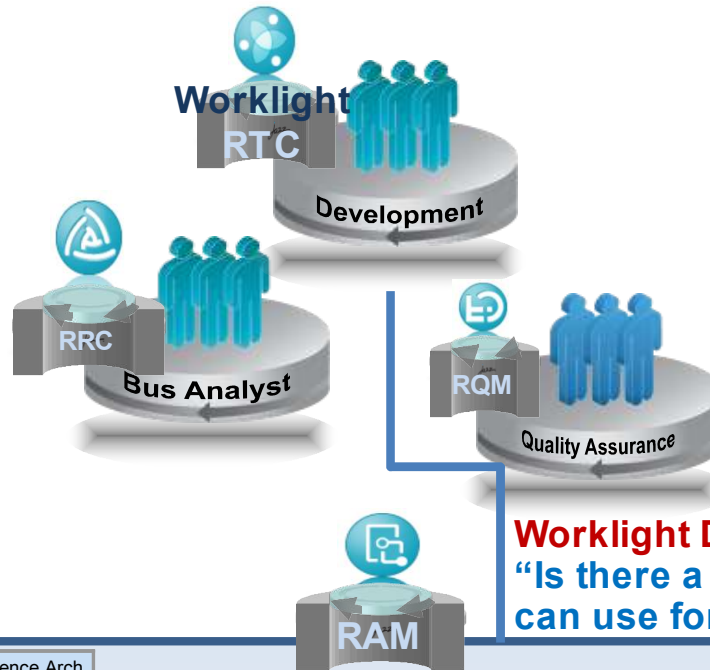
**Analysis Phase**

**Line of Business**



**Build Phase**

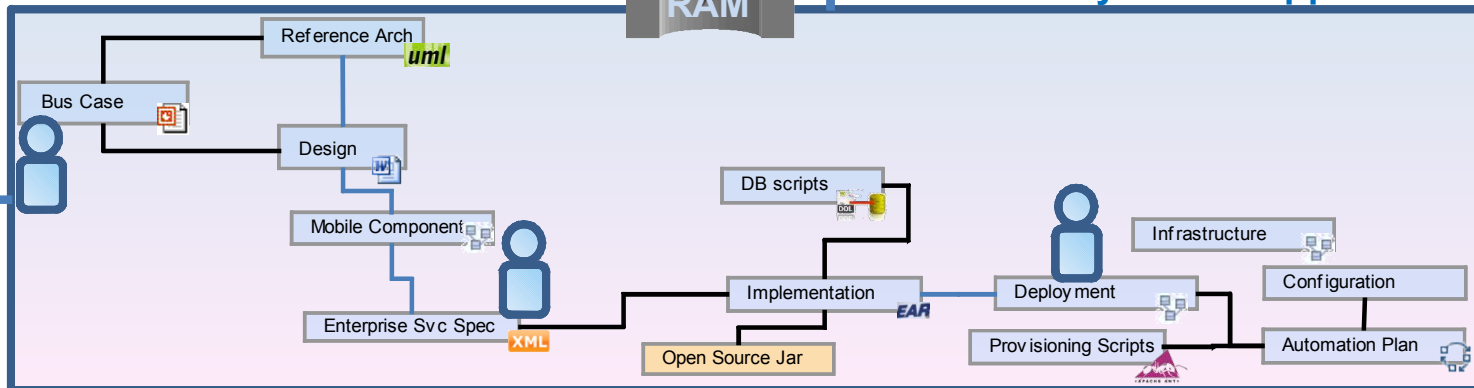
**Development Team**



**Deploy Phase**  
**Operations/  
Manufacturing Team**



**Worklight Developer Asks:**  
"Is there a certified enterprise service I can use for my mobile application?"



# Optimizing people and engineering outputs in each phase

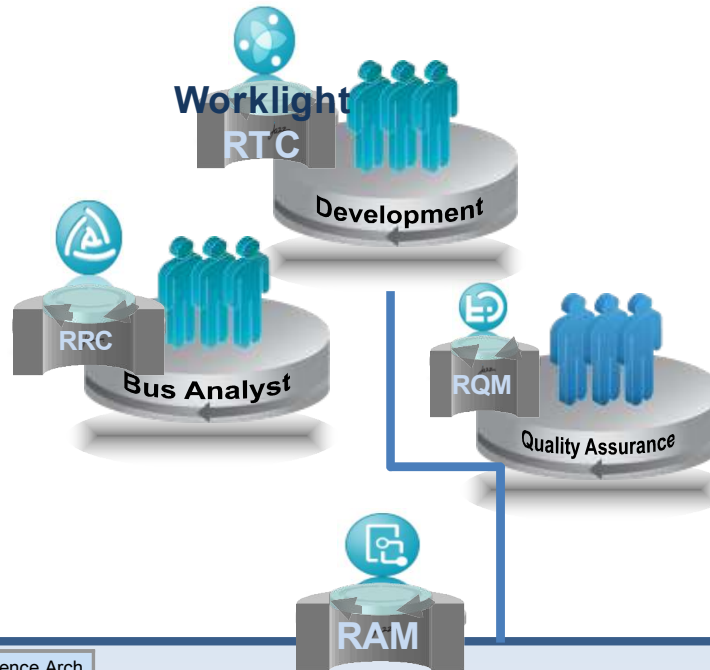
**Analysis Phase**

**Line of Business**



**Build Phase**

**Development Team**

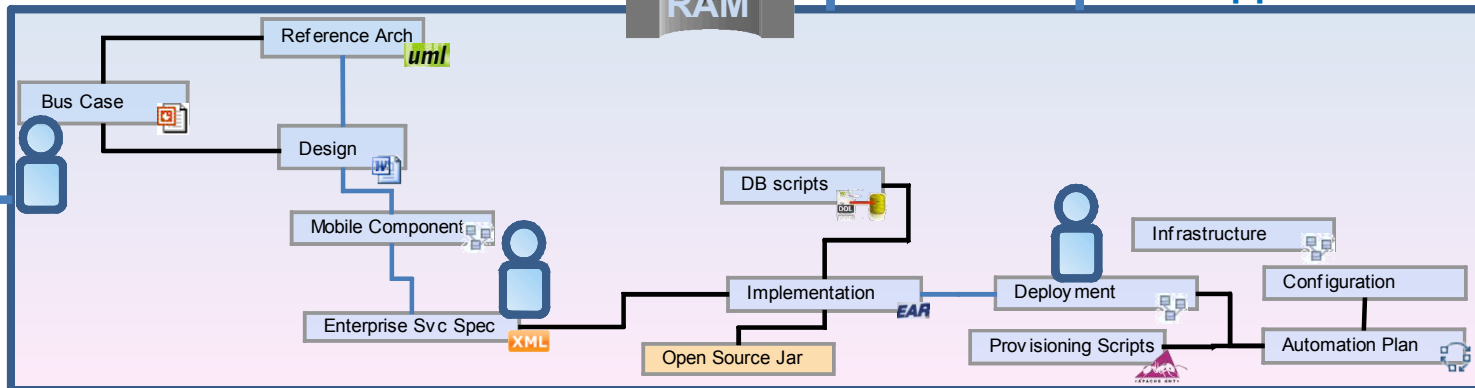


**Deploy Phase**

**Operations/  
Manufacturing Team**



**Release Manager Asks:**  
“Where are the bits for the certified enterprise service build that I need to deploy?”  
“Who approved it?”



# Rational Asset Manager: *Catalog*

Organize outputs and communities of users according to your own information model

[Users](#)
[Roles](#)
[Category Schemas](#)
[Asset Types](#)
[Lifecycles](#)

Manage user access in the community.

Apply form as well as inform

**Category Configuration**  
Create a tree structure for the category schema.

- + Data Interchange Services
- + Data Management Services
- **Graphics and Imaging Services**
  - Graphical Object Management Ser
  - Drawing Services
  - Imaging Services

7.2 ale apache api buildforge  
cqi education integration ipd  
orgchart performance **ram**  
releasecenter rsdc\_2008 rtc  
sizing soa svt wplc wsrr

[Tag counts](#) | [More...](#)

Publishing and consuming assets using **Web client**, **Eclipse client (Worklight)**, or use the friendly **API interface** for programmatic access

Rational Asset Manager

Submit an Asset

Visual Browse

Search for Assets

Filters: none

2008 6.1 7.0.1 7.1 7.1.1 7.2 7.5 aix ale alpha alpha2 ambience and apache apar api assesson db2 dcp deployment dou drafts dsd ea eclipse education enablement enterprise fallplan for gui if intentsdrafts intentsdrafts intentsdrafts ipd java jazz license load/stress manager migration moc portal presentation product rad ram ram7.1.1 ramhowto ramv7.1.1 rational rationalapplicat

**rhapsody** rhapsody40 rhapsody50 rhapsody52 rhapsody60 rhapsody61aquiarius rhap  
**rhapsodydevelopment** roadmap rpt rgm rrc rsa rsarintegration rsarte rsd rsdc,  
status support svt systems **telelogic** template test testplan testresults tivoli training

Asset Search

service

Filters Tag Cloud

- State
  - Approved (87)
  - Scoped (3)
- Community
  - Product management (62)
  - RAM Development (2)
  - Sample Application Development (16)
  - Sample Open Source (2)
  - Service Development (8)

Assets Problems Properties Synchron

Problems searching 'ddbaron@us.ibm.com@nc-ram.rtp.

Name

- Credit Verification Service
- Credit Verification Service Release
- Credit Verification Service Specification
- Credit Verification Service Design
- Credit Verification Service Implementation (Linux)

**Credit Verification Service Implementation (Linux) [1.0]**

Modified Mar 9, 2012 2:29:38 PM

# ational Asset Manager: *Govern*

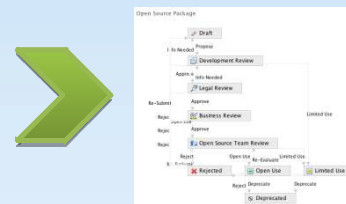
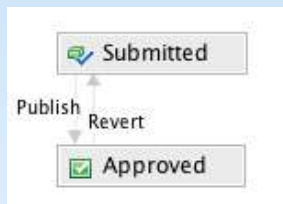


Give all stakeholders input into the decision-making for an asset, they can approve, reject or comment assets

**Milestone Candidate**

Approved (3)	Rejected (0)	Pending Approvers (0)	Policy Results (0)
Gili Mendel David J. Lofgren Cathy R. Reinhart			

With lifecycle workflows, reviews, approvals, policies, and audit trail you can **apply the right level of governance to meet your needs**

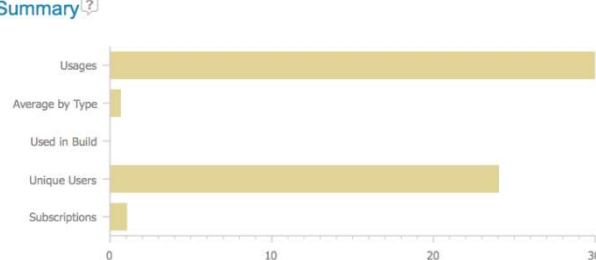


**Add Policy**

- Default Policies > Attribute Validation Policy
- Default Policies > Categorize Asset Policy
- Default Policies > Category Validation Policy
- Default Policies > Copy Attribute Policy
- Default Policies > Create Service Request
- Default Policies > Default Versioning Policy
- Default Policies > DLA Generation Policy
- Default Policies > Expiration Policy

Track asset usage, asset feedback, and asset quality practices for reporting purposes

- ★ Ratings
- 🕒 History
- 📁 Reports
  - Asset Usage
  - Search Terms
  - Permissions
  - Related Assets
  - Subscribers



Changed by Jackie C. Sung (Mar 16, 2012 9:37 AM)

Attributes	Milestone 2: → <not set> Milestone 3: → <not set>
Categories	Added: Products, Technologies, and Standards : Product Referenced RAM Development : Version > 7.5 > 7.5.1 Software Development : Kind > Eclipse Application

# ational Asset Manager: *Share*

Using our **Google©-style faceted search** you can find assets and content through keyword search, advanced search, user-defined classifications, tags and more.

**Filter your search**

Category

- Product Delivery [226]
- Documentation and Presentations [354]
- Products, Technologies Standards [495]
- Rhapsody Release Doc [1113]
- Software Development [View more >>](#)

Type

- Alpha [678]
- Documentation [559]
- Intent [328]
- IPD Deliverable [509]
- Presentation [443] [View more >>](#)

## Search for Assets

service

Filters: none

## Search for Assets

owner:("gili", "dere")

Filters: none

## Search for Assets

- owner:("gili", "dere")
- Search assets
  - Search remote assets
  - Search within artifacts
  - Search forums

client connection  
customer lc lotus **ram**  
rativo revenue services  
support tracking  
worksheet

Tag counts

You can

**My rating** ★★☆☆☆

**Average rating** ★★★★★

**feedback**, discuss a problem, and make requests

**Receive notifications** about assets through email su

**Notifications**

Select the events that you wish to be notified on and the method of notification:

My Feed	Email	SMS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	I became a reviewer, approver or lifecycle manager
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Changes to related assets

or updated

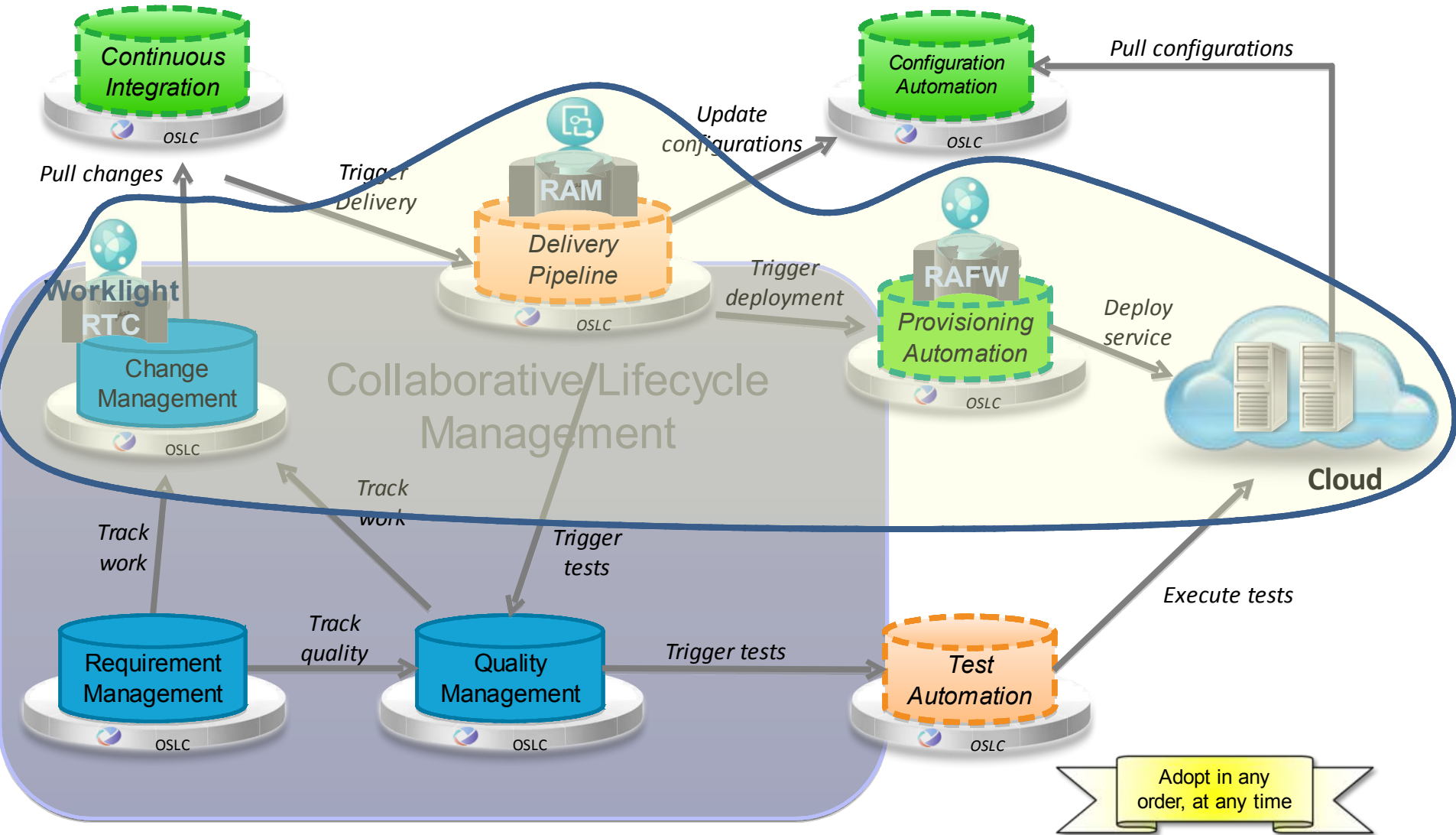
## cenario

1. Julie (operations) deploys the order entry service to the cloud
2. Bob (development) is creating an order entry mobile application and needs to deliver quickly



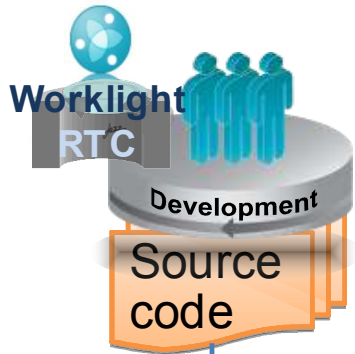
# 1. Julie deploys order entry service to the cloud

## Lifecycle Management Reference Architecture

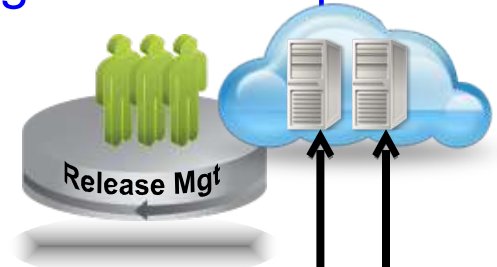


# . Julie deploys order entry service to the cloud

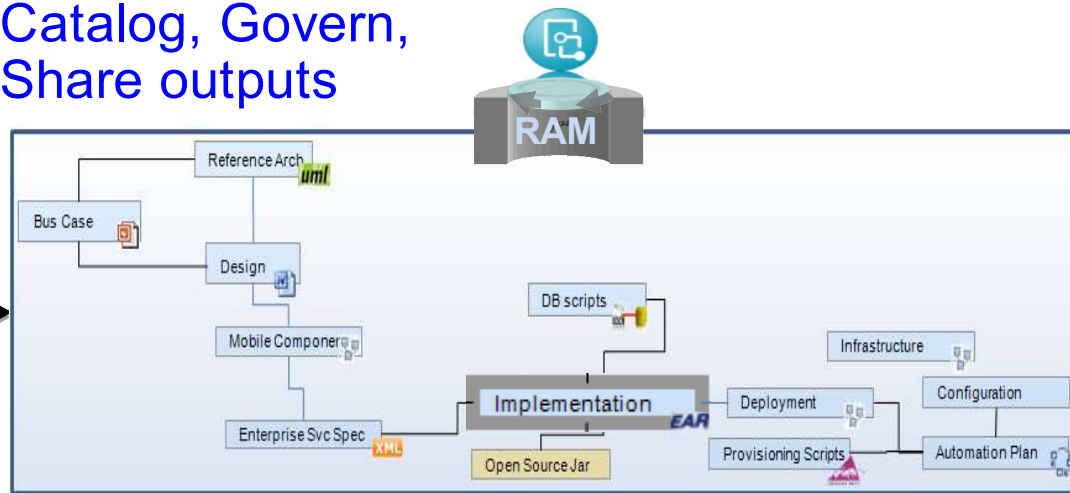
Manage source code and project tasks



Automate deployment of governed outputs



Catalog, Govern, Share outputs



Build Forge

Implementation EAR

Deploy

RAFW

Julie



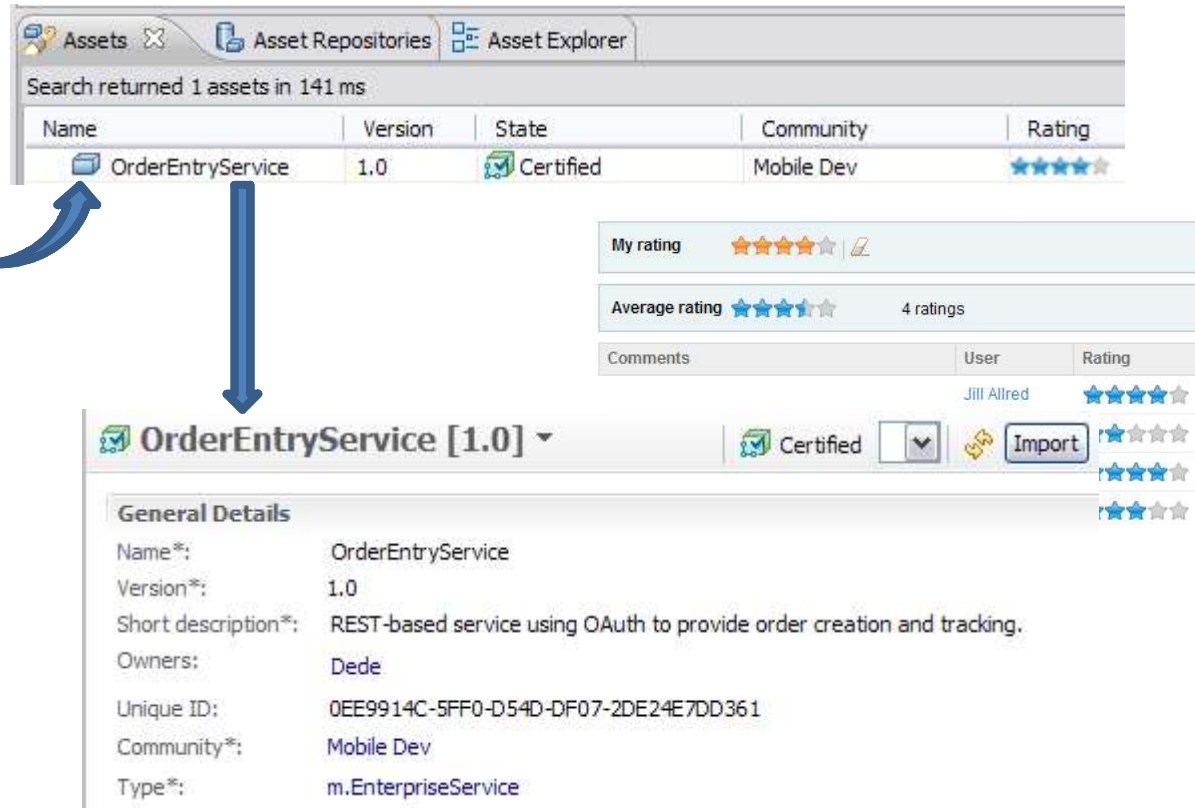
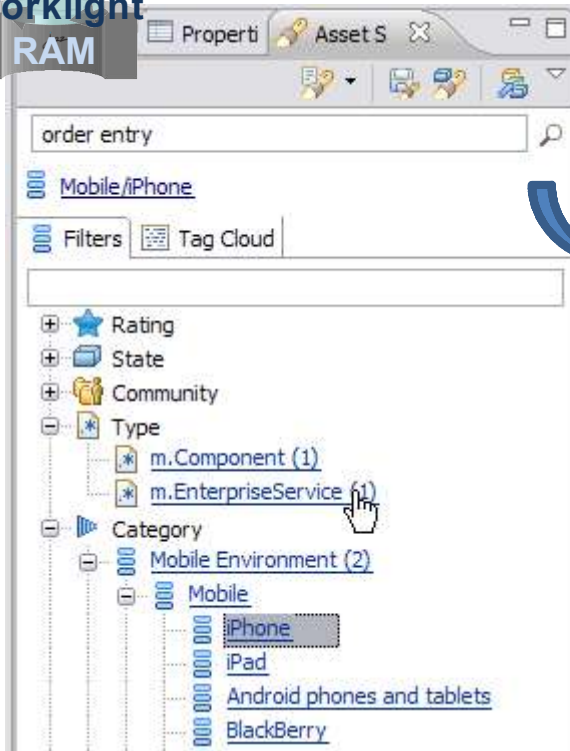
# . Bob creates order entry mobile app



*Create your IBM Worklight Studio project and mobile environment...*

# Bob creates order entry mobile app

Worklight  
RAM



*In Worklight...search RAM for mobile services and components for your target environment...*

# Bob creates order entry mobile app

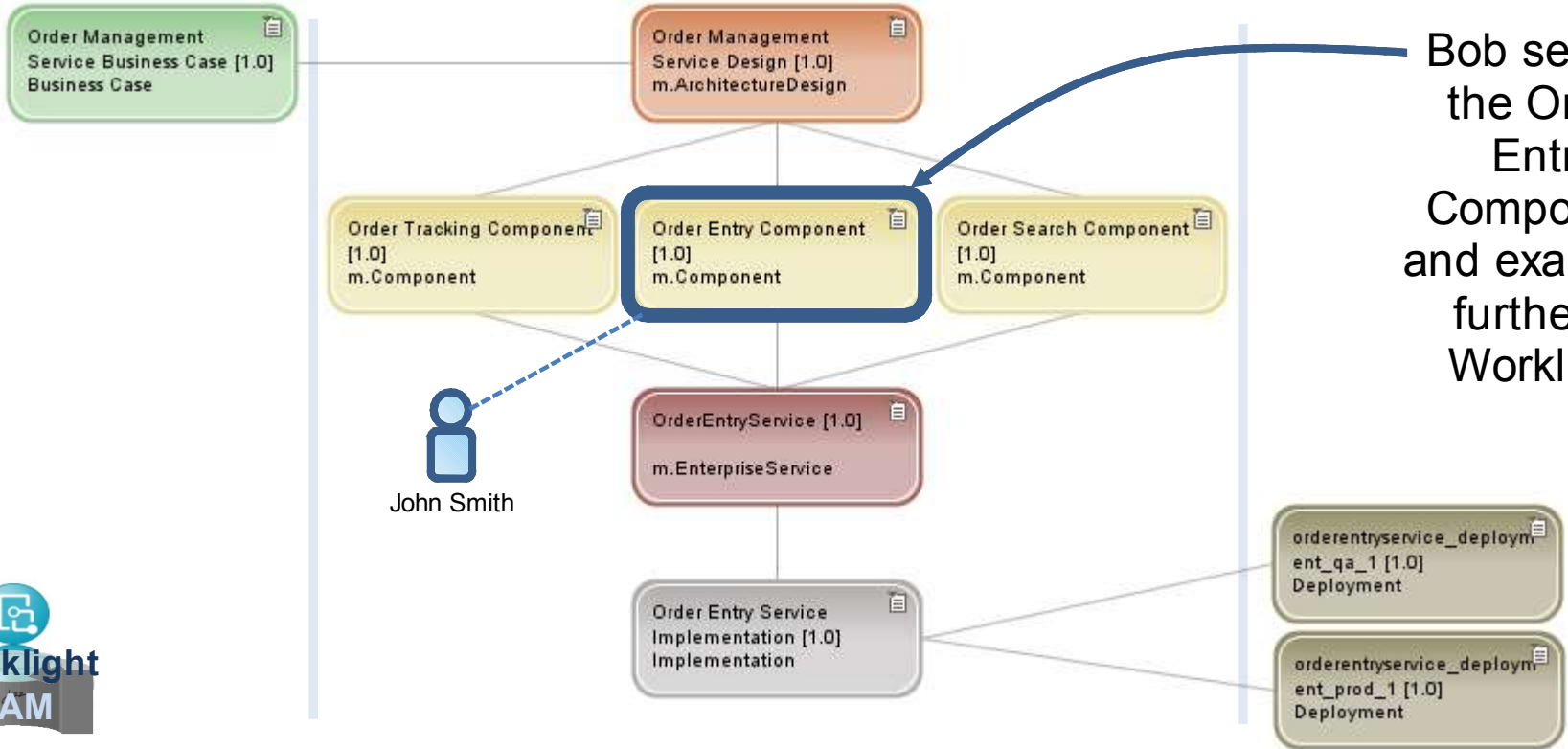
Deploy Phase  
Operations/  
Manufacturing  
Team

Analysis Phase

Line  
of Business

Build Phase

Development  
Team

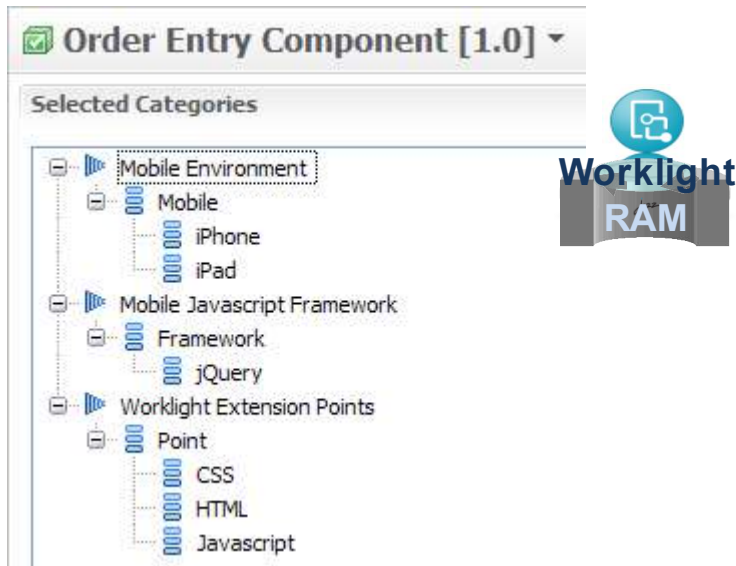


Bob selects the Order Entry Component and examines further in Worklight

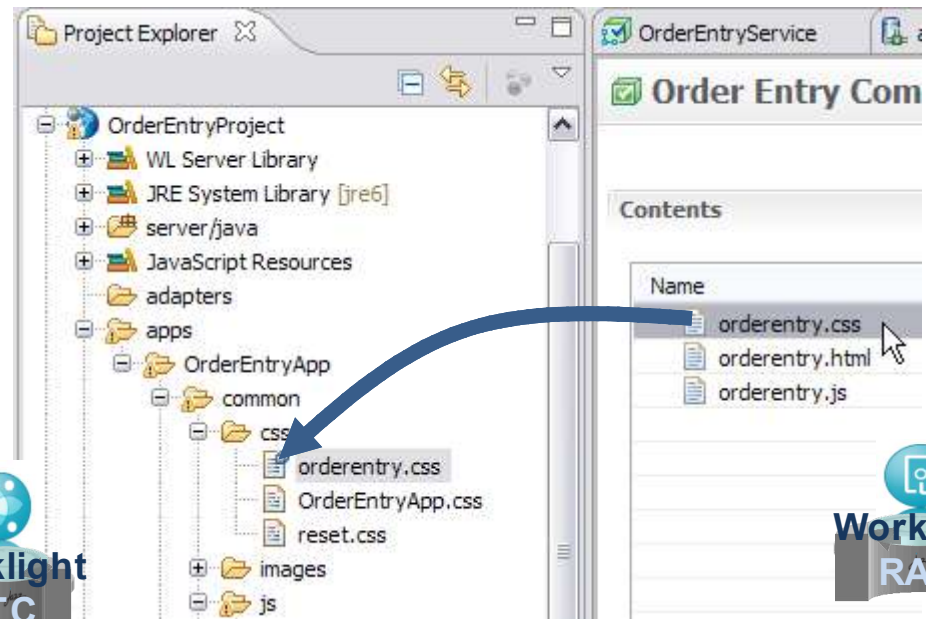
*The engineering outputs and people are connected across the phases*



# Bob creates order entry mobile app



Bob drags & drops the files  
from RAM  
into his IBM Worklight project...



The order entry component tells the developer which Worklight extension points to code



**RAM records Bob's reuse activities...connecting people to each other and to the engineering outputs**

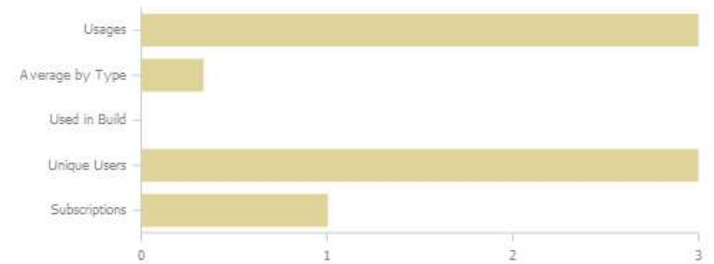
# cosystem for Engineering Outputs



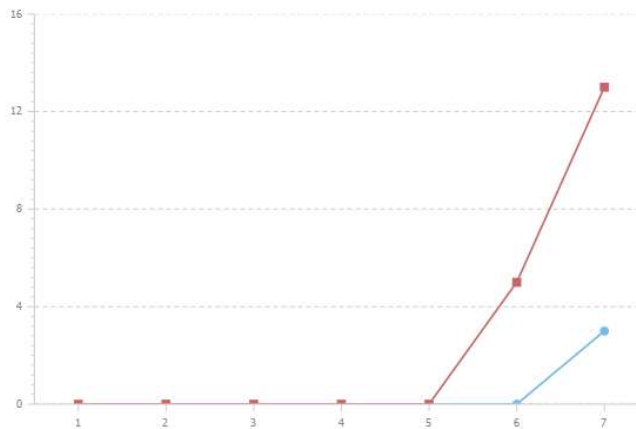
John Smith



## Summary?



## Usages vs Views?



## Asset Users?

The following users have downloaded the asset or viewed artifacts of the asset.

User Name	Number of Usages	Rating
Alan	1	★☆☆☆☆
Jill Allred	1	★★★★☆
Bob	1	★★★★☆

**John can see who is using his mobile order entry component and how they rate them?**



# How was software delivery accelerated?

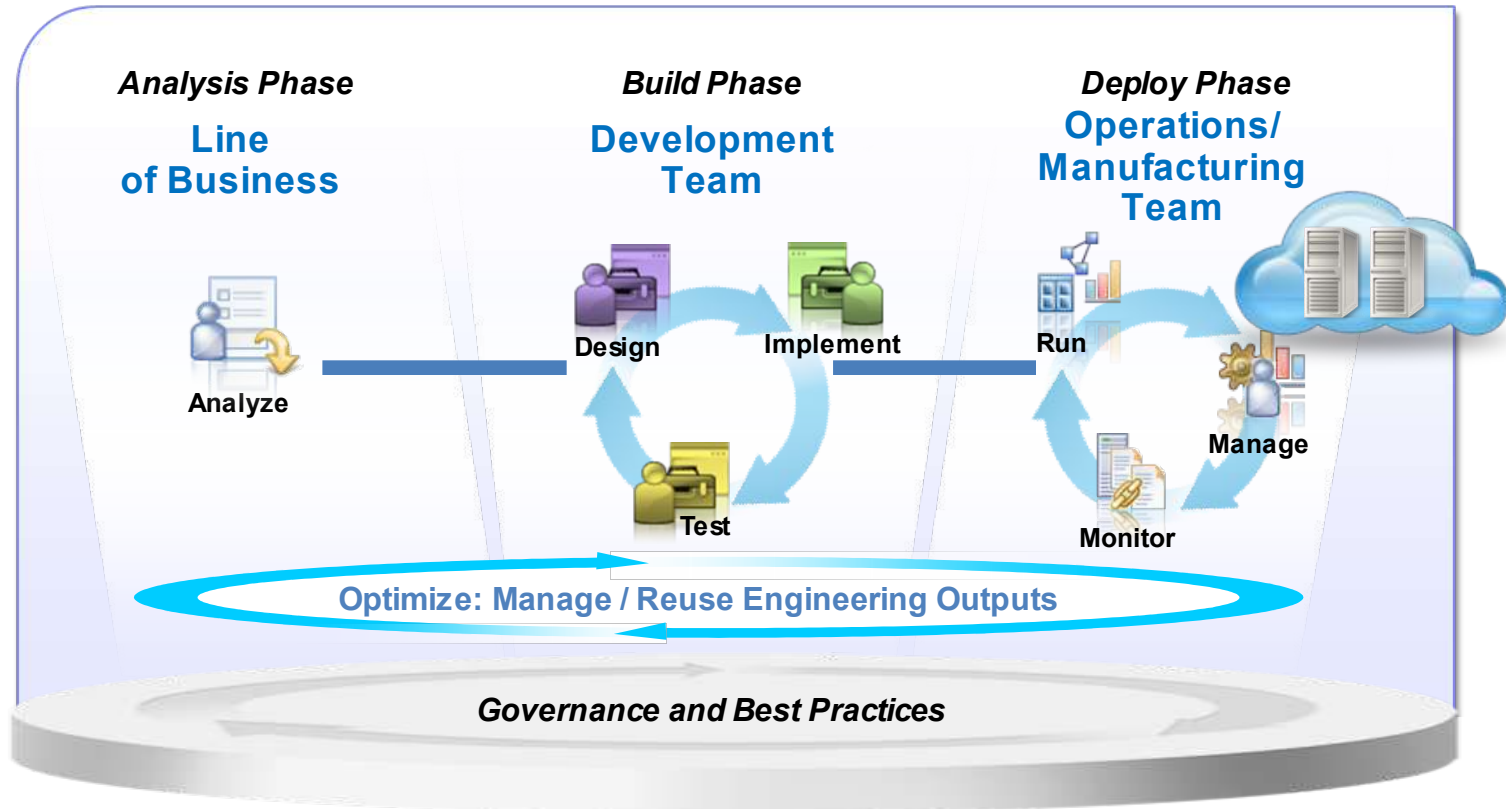
## 1. Julie (operations) deploys the order entry service to the cloud

1. Deployment tasks were reduced
  1. Connecting development teams to operations teams
  2. Creating links to engineering outputs and people
  3. Automating audit trails of who did what
  4. Notifying people of activities performed

## 2. Bob (development) is creating an order entry mobile application and needs to deliver quickly

1. Development tasks were reduced
  1. Reusing approved mobile components and enterprise services
  2. Connecting owners to consumers
  3. Sharing experiences of using other' s engineering outputs

# Accelerating software delivery is key to the business



Connecting people and engineering outputs in each phase

