

# Innovate2010

IBM開發者大會

## Workbench for Collaborative Lifecycle Management



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Let's **build** a smarter planet.

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## IBM China Development Laboratory



CDL Beijing



CDL Shanghai

中国人才  
国际管理  
中国创造  
服务全球



CDL Taipei



CDL Hongkong

*Founded in 1999*

*5000+ employees*

*IBM's biggest development lab in the world*

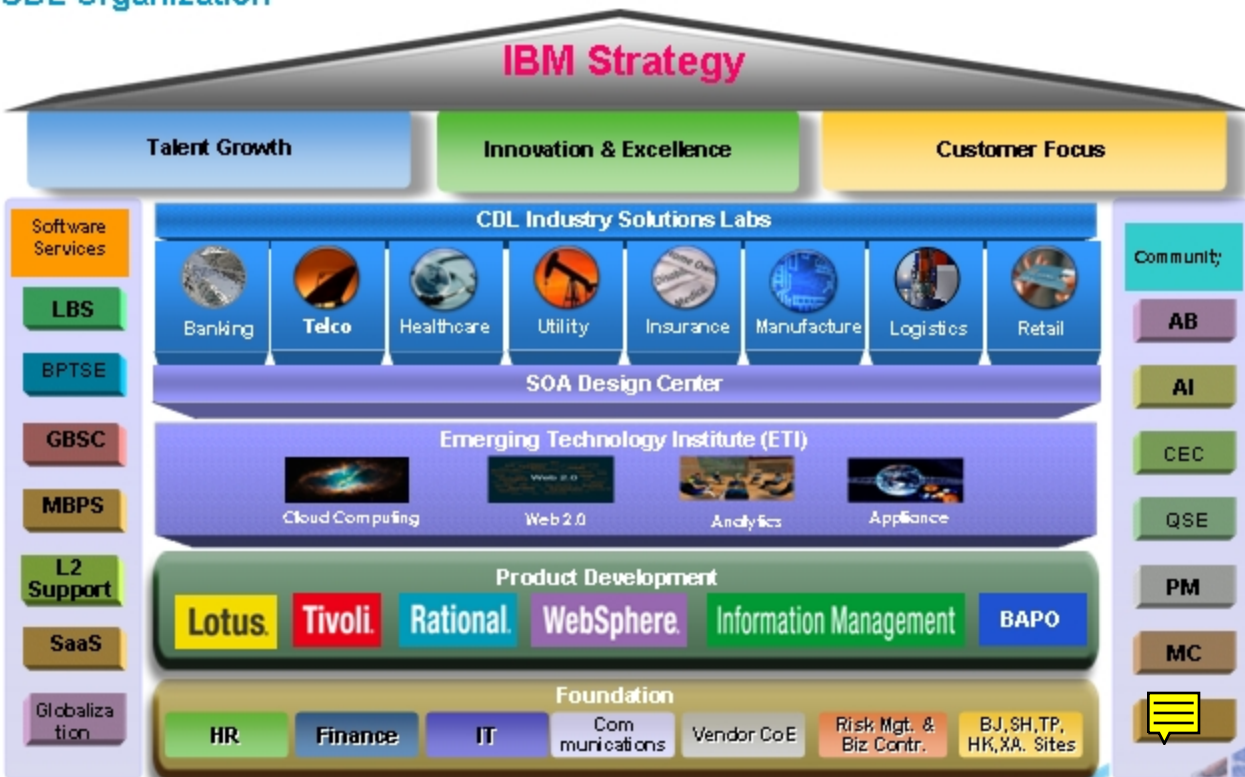
*The only lab of all 5 brands*

*Emerging Technology Institute*

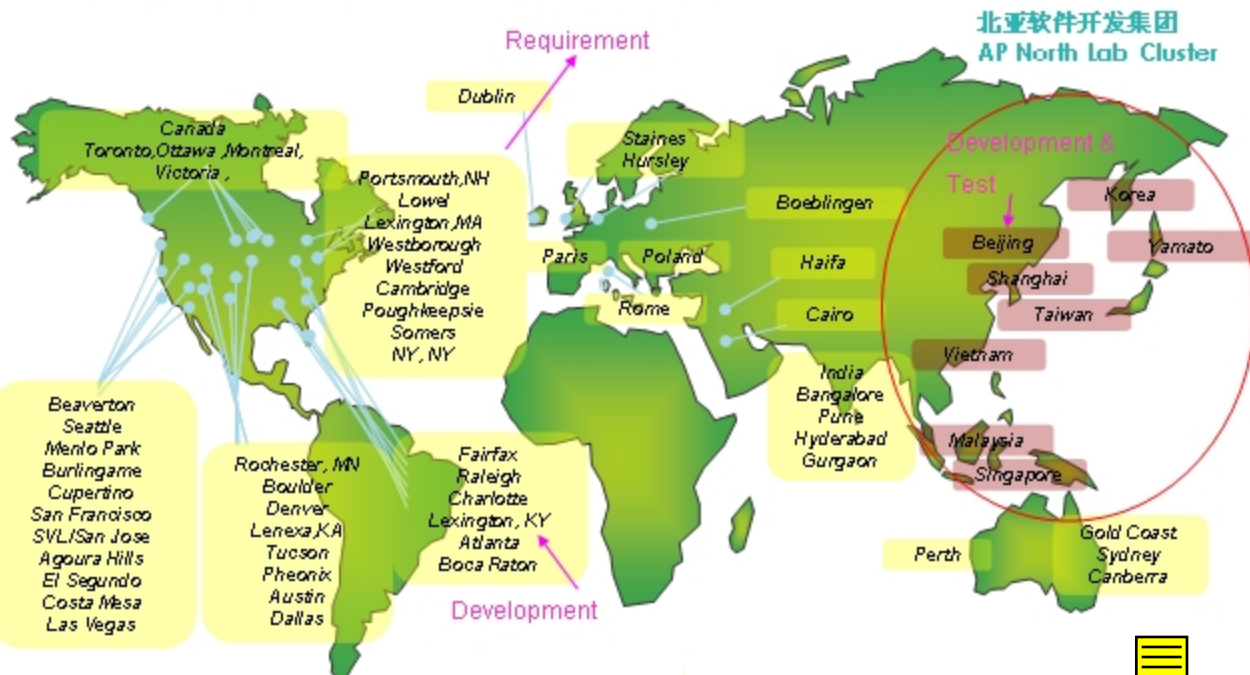
*Industry Solution Centers*

*Lab Based Services*

## CDL Organization



## Global Distributed Development Environment



SWG WW: 50,000+ developers, 70+ labs

## Challenges of software delivery today

*Only 37% of stakeholders are satisfied with the speed of internal application development...*

*Only 42% are satisfied with the quality.*

*50% of outsourced projects are expected to underperform.*

### **Silos of people, process, and projects**

#### **Geographic Barriers**

- *Poor communication*
- *Language, culture and time differences*
- *Process gaps resulting in errors and rework*
- *High degree of friction across teams*

#### **Organizational Barriers**

- *Lack of meaningful stakeholder input*
- *Poor LOB oversight*
- *Weak project governance*
- *Missed opportunities to leverage domain expertise*

#### **Infrastructure Barriers**

- *Incompatible tools and repositories*
- *Unreliable access to common artifacts*
- *Lengthy project and team member on-boarding*
- *Brittle and inflexible tooling integrations*

Source: Forrester, Gartner

## The business impact of the software delivery challenges



- ***Delayed and missed releases***
  - *Effecting the ability to compete with competition*
- ***Increased development costs***
  - *Effecting the overall company 'bottom line'*
- ***Poor and unpredictable quality***
  - *Effecting the business reputation*
- ***Customer dissatisfaction***
  - *Effecting future and current business*



## Why is it so difficult to quickly deliver quality software?

Difficult coordination and communication

Increasing development costs

Short deadlines/ need for faster time to market

Compliance mandates

Manual, error-prone tasks

Pressure from competition

Distributed and disconnected teams

Unpredictable and unreliable processes

Lack of visibility into project status

Reduced staff

Inconsistent quality

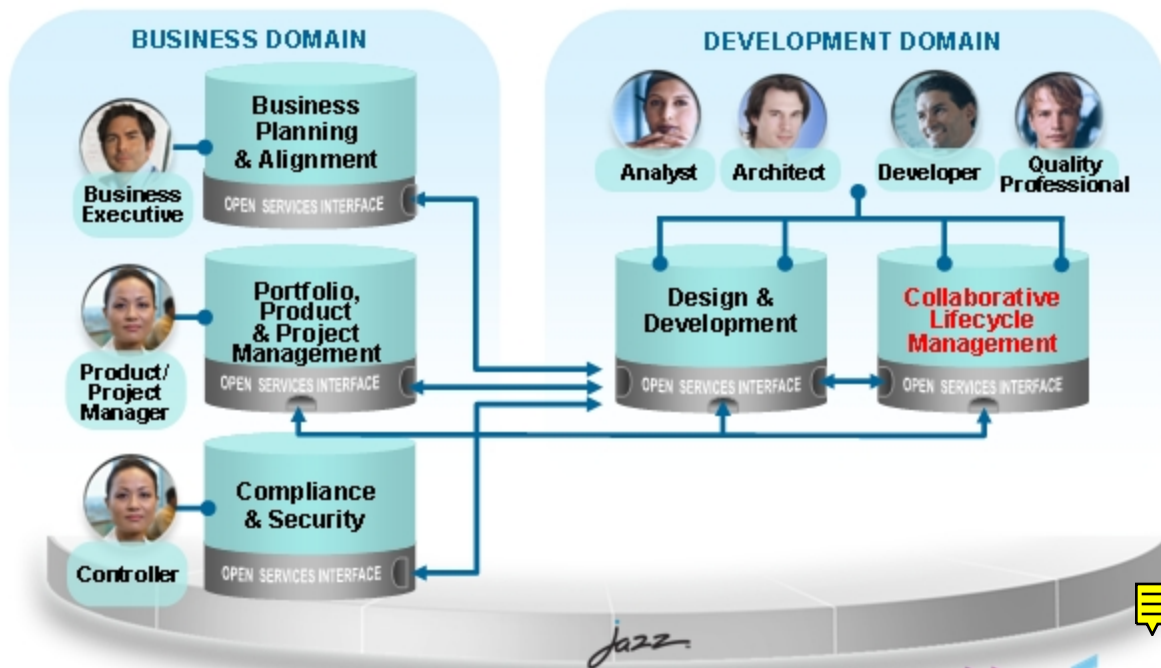
No control or insight into development activities

Complex environments

And more!



## Successful software delivery requires alignment of business and technology domains...





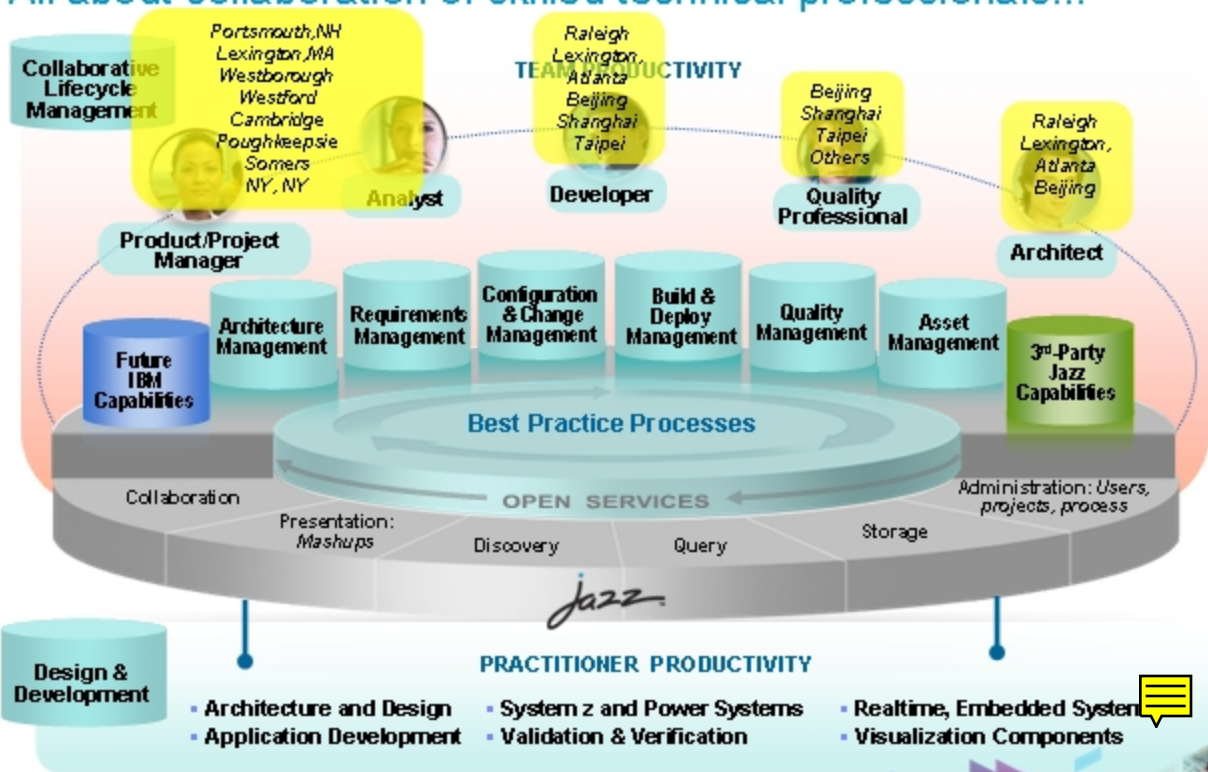
## What is Collaborative Lifecycle Management?

**Collaborative Lifecycle Management coordinates people, processes, and information in an iterative cycle of software and systems delivery activities that:**

- ✓ **Meets domain-specific needs** while enabling a real-time flow of information and ideas
- ✓ **Improves collaboration across teams and geographies** by providing consistent access to team process, workflow and artifacts
- ✓ **Helps meet compliance requirements** through asset traceability and approval workflows
- ✓ **Provides the foundation for continuous capability improvement** through flexible, rules-based process enforcement, real-time reporting and integrated best practices
- ✓ **Reduces total cost of ownership** through streamlined and enterprise-ready deployment, security and administration.



# All about collaboration of skilled technical professionals...

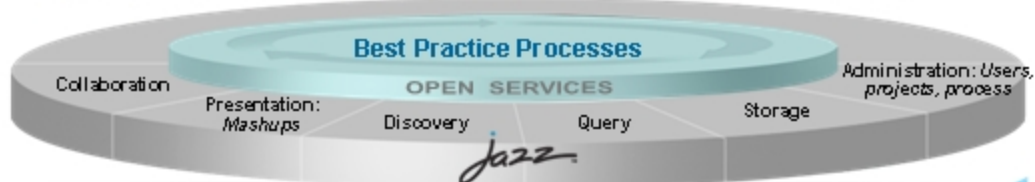
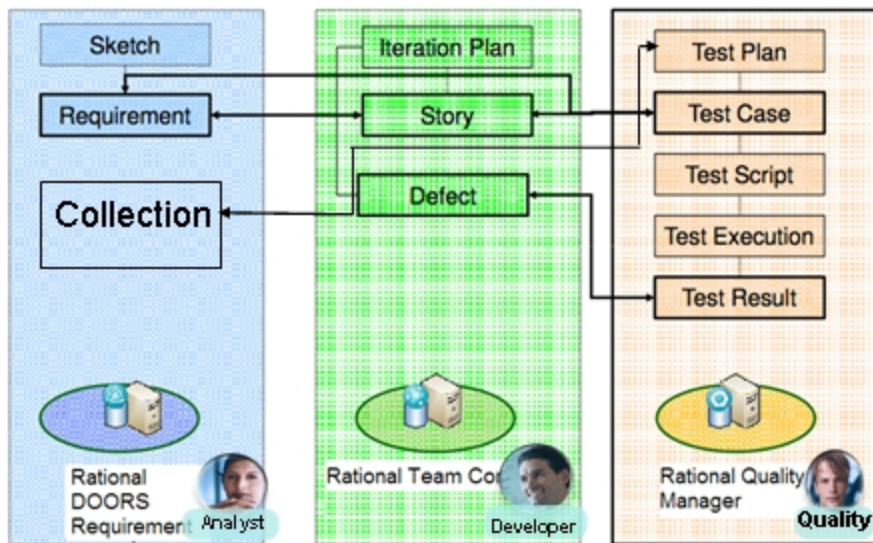


# A Workbench for Collaborative Lifecycle Management

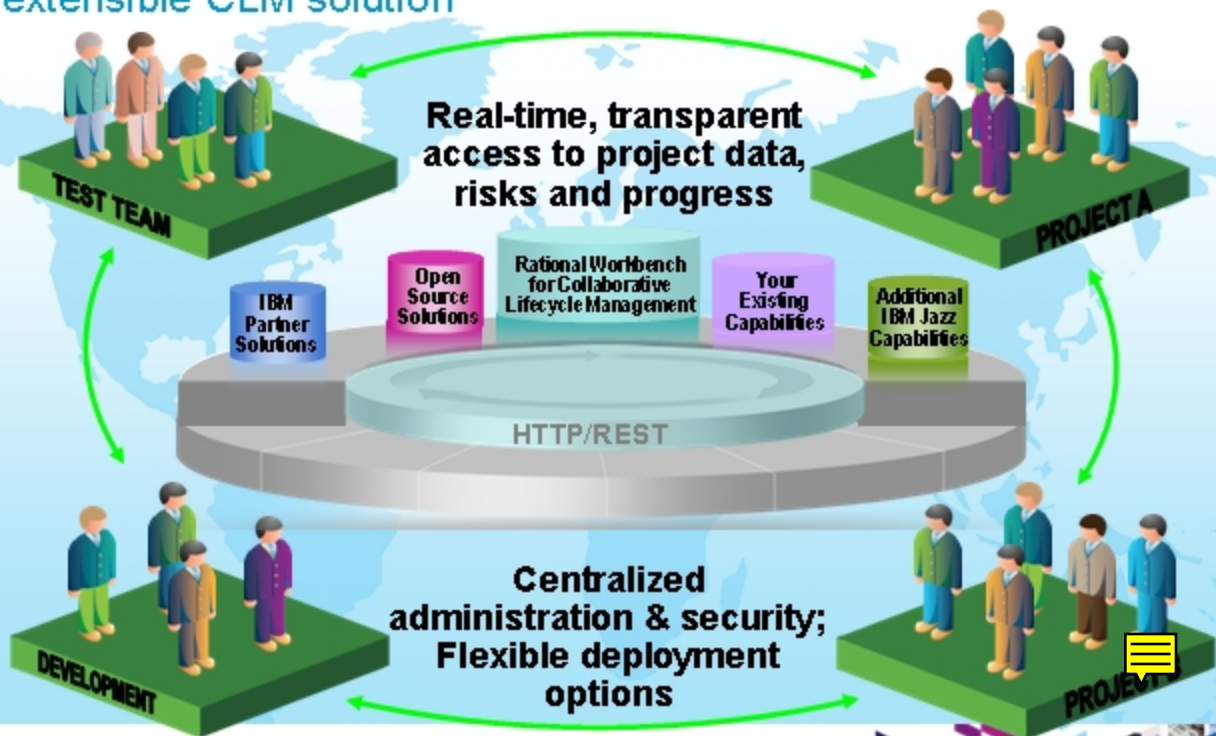
*A robust, extensible solution for analysts, developers and quality professionals*



## Artifact Traceability Relationships



## Reducing the total cost of owning & maintaining a scalable and extensible CLM solution



# Open Services for Lifecycle Collaboration

## Community specifications for lifecycle integration

[Home](#) [About](#) [Community](#) [Wiki](#) [Learn](#)



## Open Services for Lifecycle Collaboration

open community. open interfaces. open possibilities.

Open Services for Lifecycle Collaboration (also known as OSLC or Open Services) is a community effort to help software delivery teams by making it easier to use lifecycle tools in combination. The OSLC community is creating open, public descriptions of resources and interfaces for sharing the things that software delivery teams rely on, like change requests, test cases, defects, requirements and user stories.

By agreeing on common specifications for lifecycle resources and the services to access them, we can eliminate traditional barriers between tools and open the door to new forms of collaboration. OSLC can bring value to software delivery teams and tool providers alike, from the most Agile to the most ceremonial of projects, and for commercially-licensed, open source, and internally developed tools. [More](#).

With OSLC's open and scenario-based approach, businesses benefit from the ability to integrate tools together. This collaborative approach gives our consultants the flexibility to make lifecycle tool choices based on specific client project demands.

Randy Vogel, Accenture

### Learn more

- [Presentation: ALM Integration in a Web 2.0 World](#)
- [Presentation: RESTful Work Items: Opening up Collaborative ALM](#)
- [Podcast: Open Services bears fruit: A conversation with Steve Abrams, Mik Kersten, and Carl Zatek](#)
- [Whitepaper: The Case for Open Services](#)
- [Podcast: John Wiegand and Steve Abrams introduce the OSLC initiative](#)

### News and events

- [Implementations delivered for Change management 1.0 spec \(press release\)](#)
- [Change management 2.0 spec workgroup expanding participants](#)
- [Requirements management and Asset management workgroups draft early specs.](#)
- [Primer authored for Software Estimation and Measurement](#)
- [New Reporting workgroup call for participation.](#)

### Quick links

- [Wiki: Open Services specifications](#)
- [Mailing list: OSLC community](#)
- [Blog: Let's try something different - Carl Zatek's commentary on OSLC](#)
- [Twitter - follow us: @oslcnews](#)

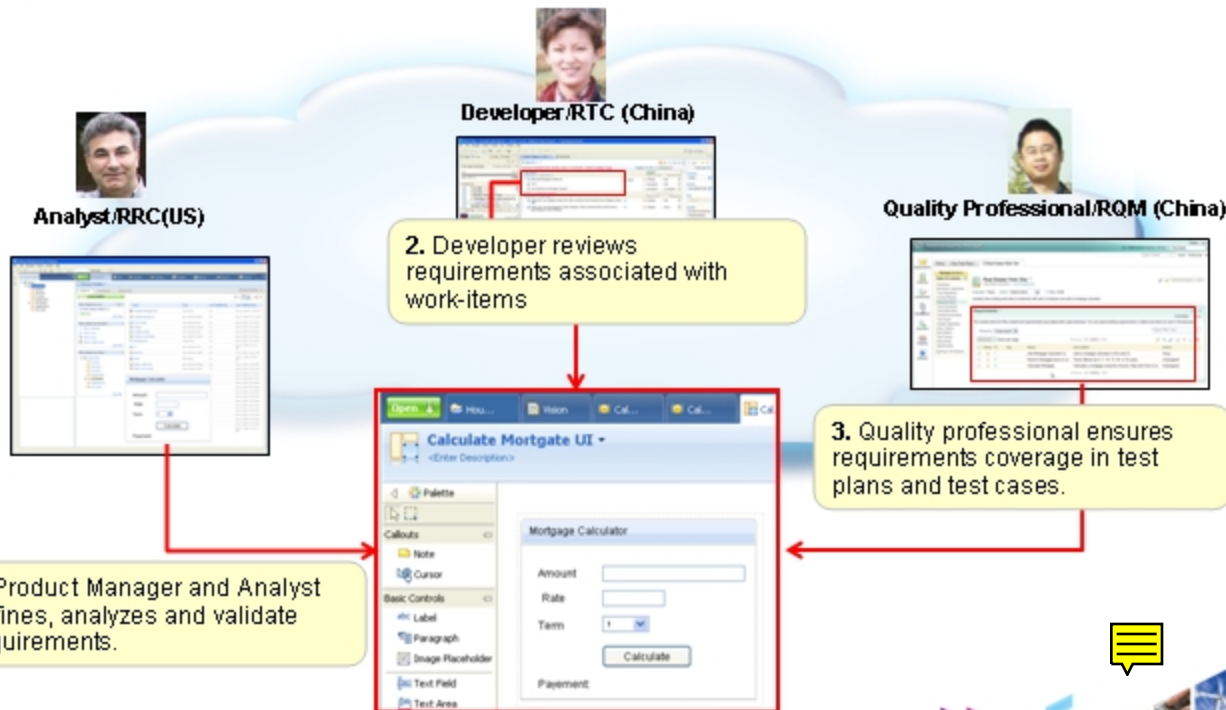
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- An open community of individuals from customers, IBM partners, systems integrators, competitors, open source community, and academia.
- Focuses on interoperability interfaces between lifecycle tools for software and systems development.
- Uses a technology-neutral approach based on Internet standards and protocols
- Operates at [open-services.net](http://open-services.net)

Accenture	Oracle
APG	QSM
Black Duck	Rally Software
BSD Group	Ravenflow
Citigroup	Shell
EADS	Siemens
Emphasys Group	Sogeti
Galorath	SourceGear/Teamprise
Health Care Services Corp	State Street
IBM	Tasktop (Eclipse Mylyn)
Institut TELECOM	Tieto
Integrate Systems	TOPIC Embedded Systems
Lender Processing Services	UrbanCode
Northrop Grumman	WebLayers

# CLM Practice in RQM Development

Align your development teams with business drivers



Thank  
You

