Innovate2011 IBM Rational 软件创新论坛

Software. Everyware.



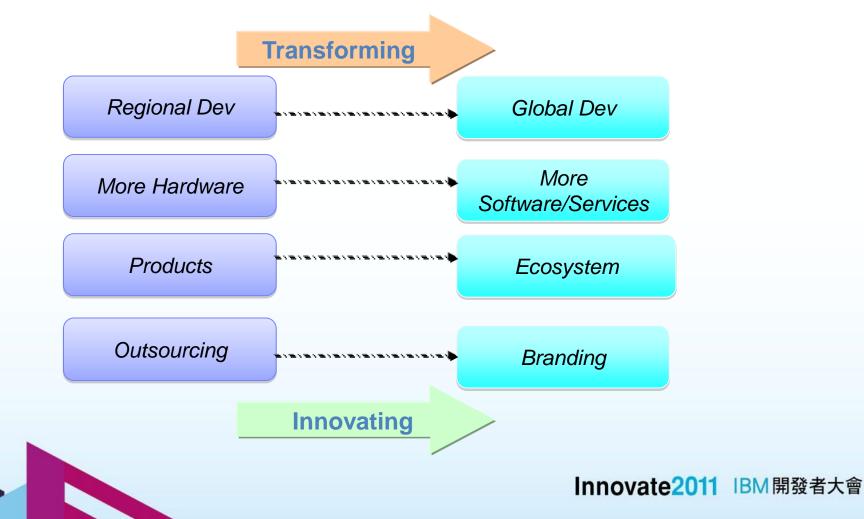
Globally Integrated Development Transformation

Matt Wang, PhD Vice President, IBM China Development Labs & AP North Cluster Labs



Challenges

How to catch up the society and industry changes ?



Improving Software-driven Innovation

Software and systems delivery

Integrate

Collaborate

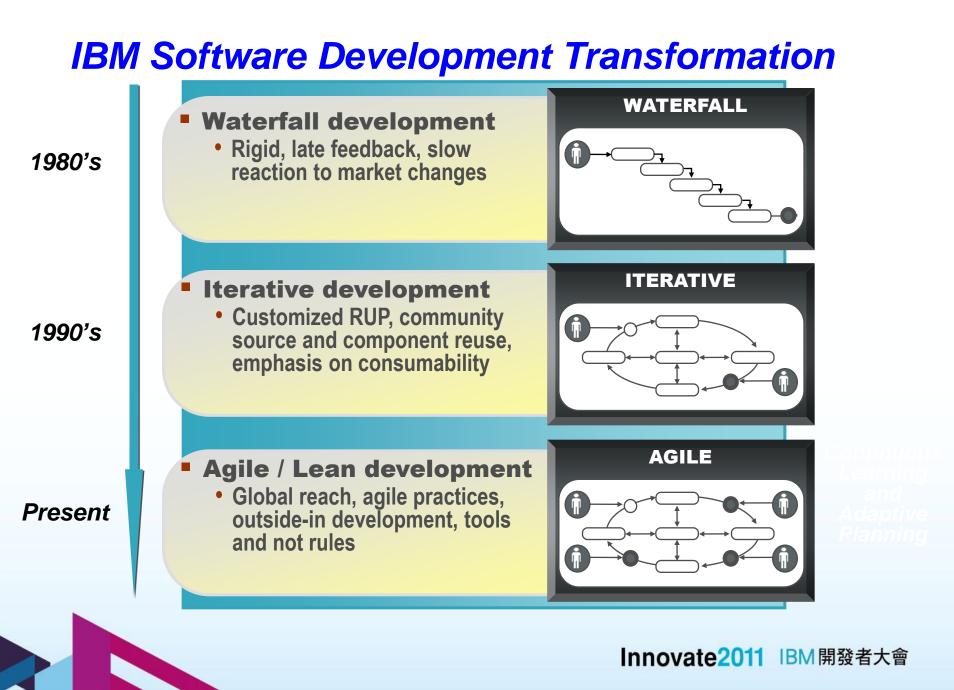
Optimize

Connecting process and information Software, data, and tools *Unifying teams* Projects, and organizational cultures Simplifying governance Plans, scope, and measures

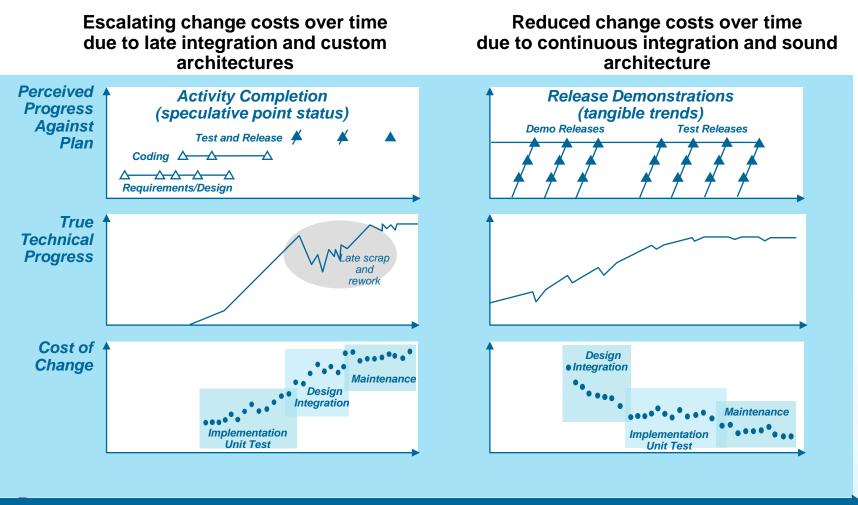
What enables an organization like ours to be more integrated, more collaborative & more optimized?

- Improve communication & collaboration
- Overcome culture difference
- > Optimize process
- Provide and integrate the tools





Comparison between waterfall and iterative dev



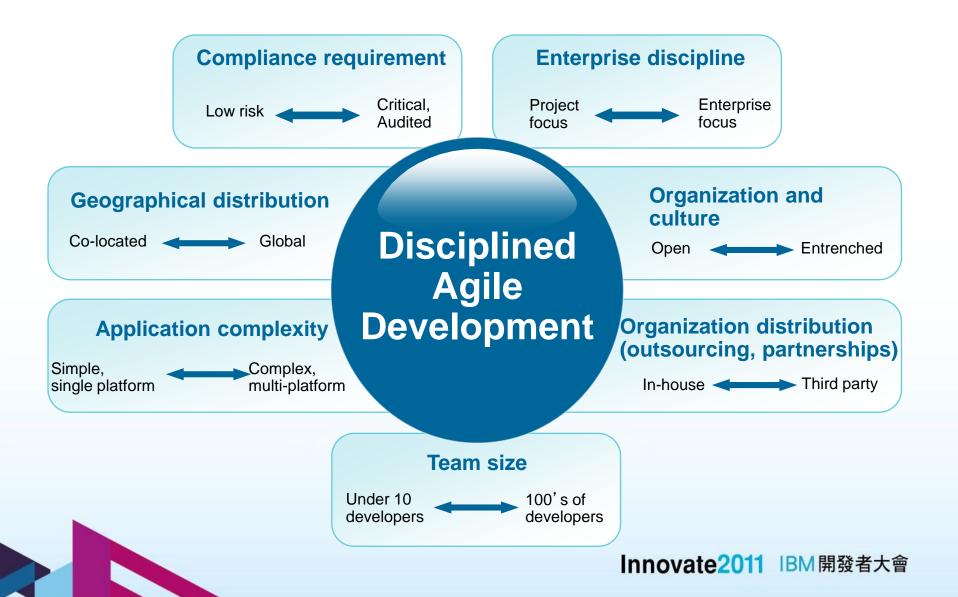
WATERFALL DEVELOPMENT

ITERATIVE DEVELOPMENT

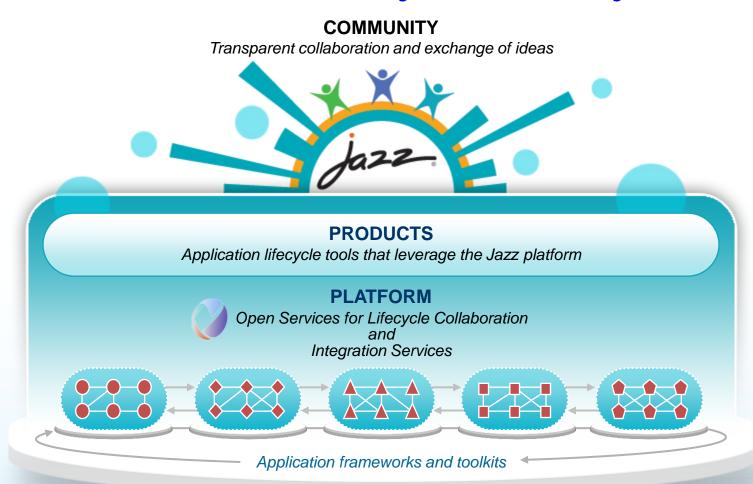
Innovate2011 IBM 開發者大會

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What is agility@scale™?



Jazz is IBM's initiative for improving collaboration across the software and systems lifecycle



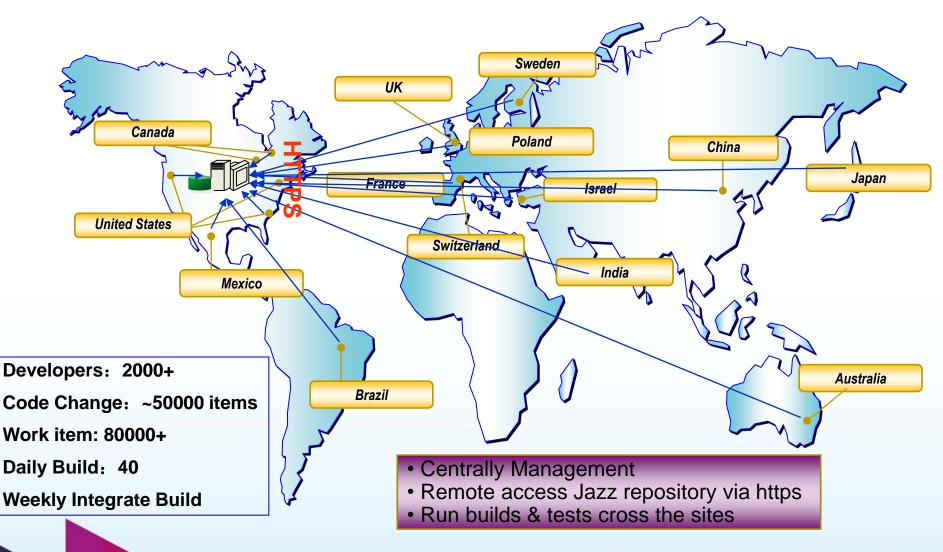
Jazz products comprise the IBM Rational solution for Collaborative Lifecycle Management



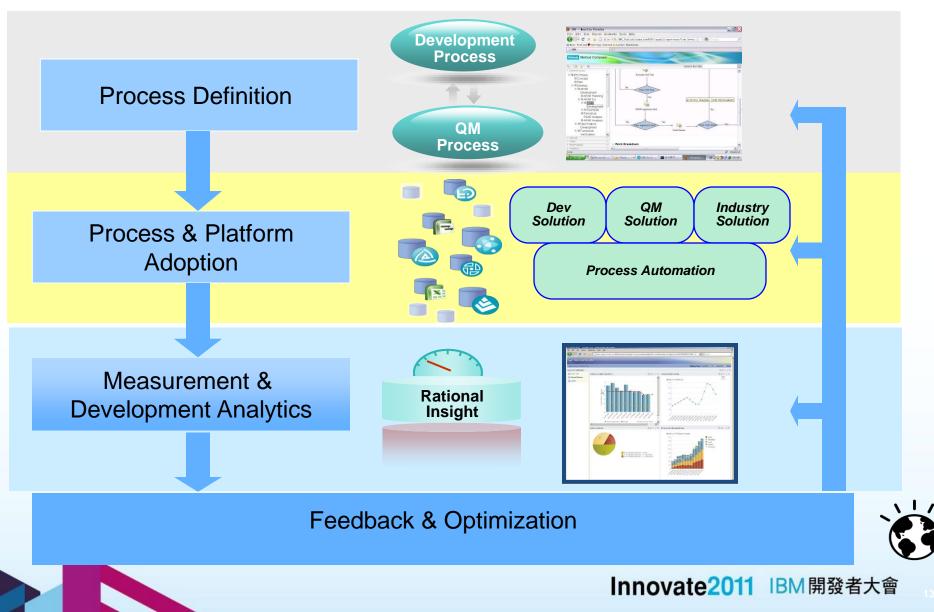
China Development Labs Overview



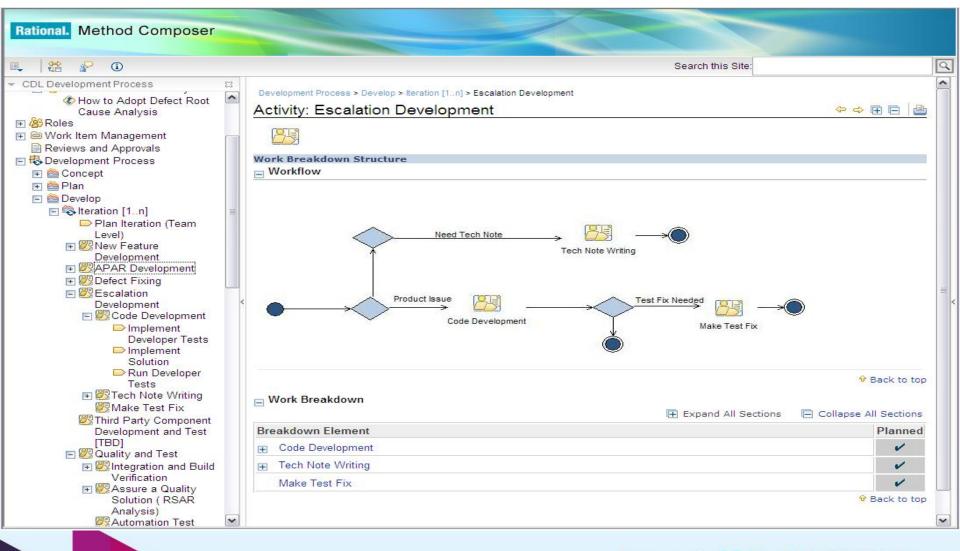
A Global Development Team



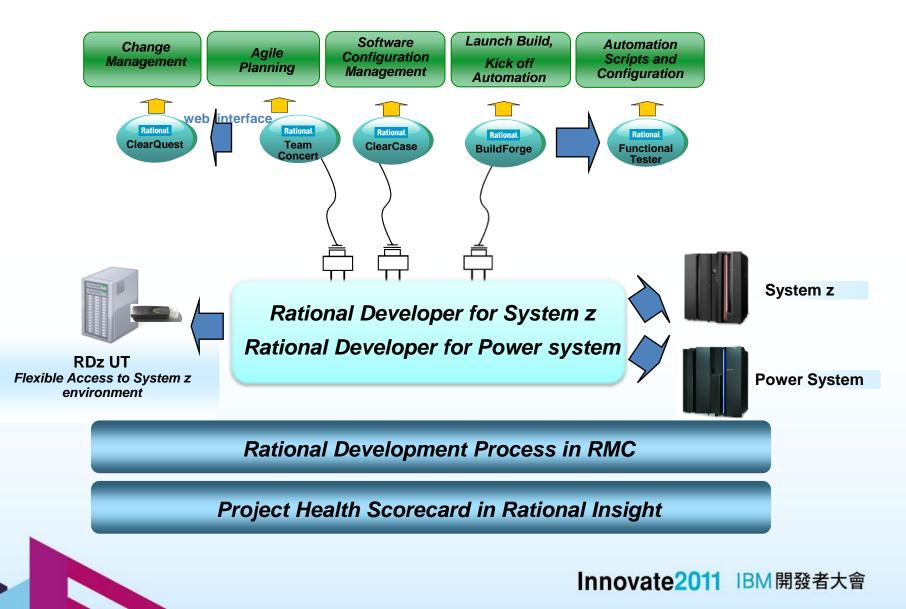
Development Framework at CDL



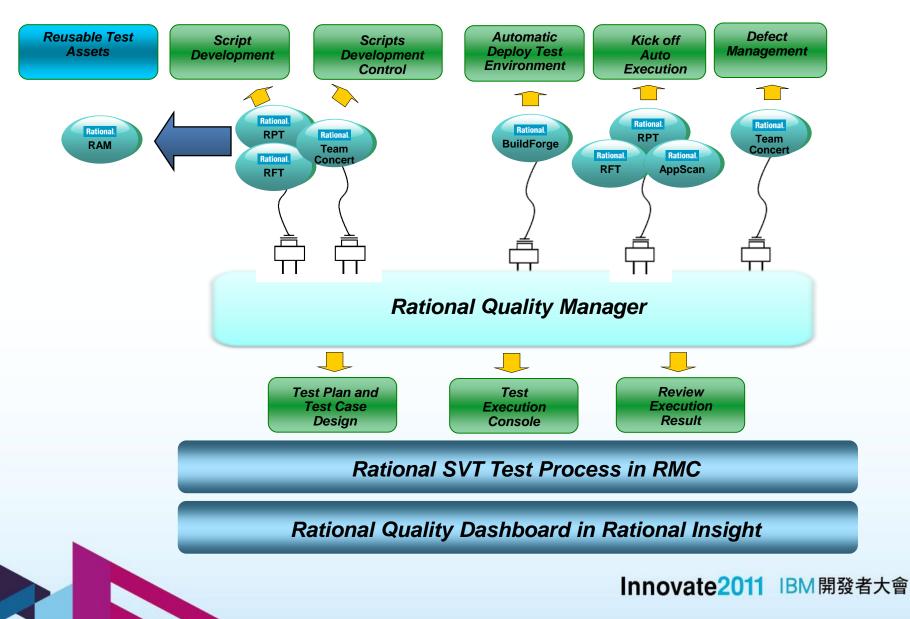
Rational Method Composer manages processes centrally in CDL



Development Platform in CDL



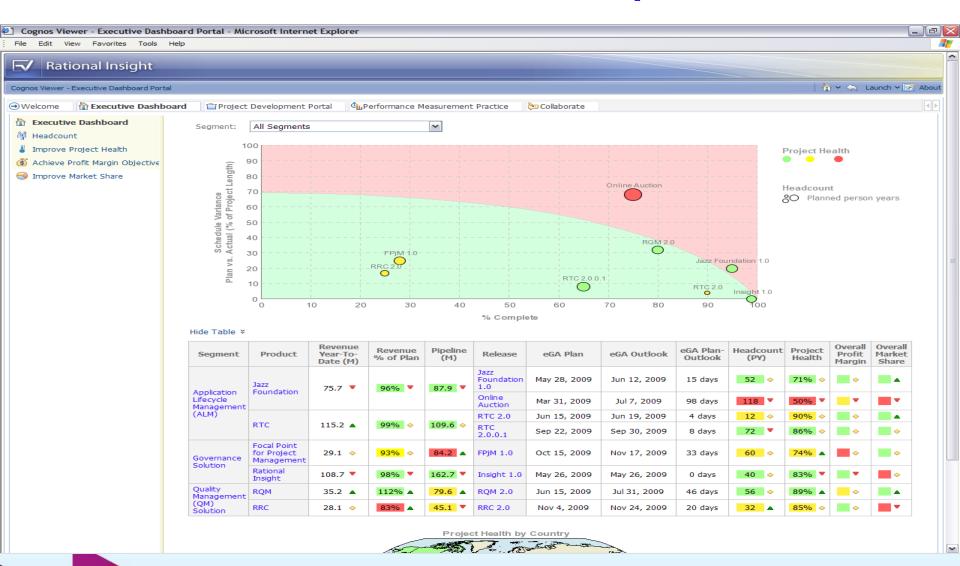
Testing Platform in CDL



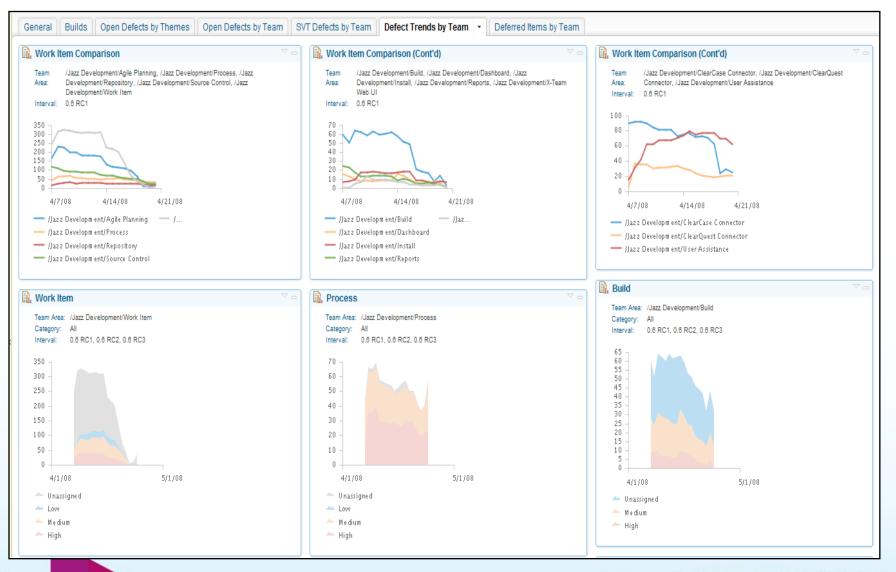
Example of In-process Metrics

Requirements	Change Management	Test	Customer Feedback	Iterative Development
Use Cases Analyzed	Defects by Priority	Test Cases Passed	Customer Defects Entered by Feature	Iteration Completion by Team and Place
Use Cases Designed	Defects by Use Case	Test Cases Failed	Customer Defects Fixed by Iteration	Team and Individual Velocity
Use Case Traced to Tests	Defects by Team	Total Test Cases	Percentage of Defect Escapes	Project Cost Variance
Use Case Volatility	Defects by Feature	Code Coverage by Feature	Number of customers Providing Feedback	Work Item Completion Percentage
Requirements Traced to Use Case	Defects Status per Release	Escapes	Customer work Items per Iteration	Project Schedule Variance
Requirements Analyzed	Defect by Age	API Tests vs GUI Tests	Enhancement Request Aging	Releasability Index
Requirements Traced to Tests	Defects by Design Artifact	Glide Path	Defect Aging	
	Project Cost and Schedule Variance			

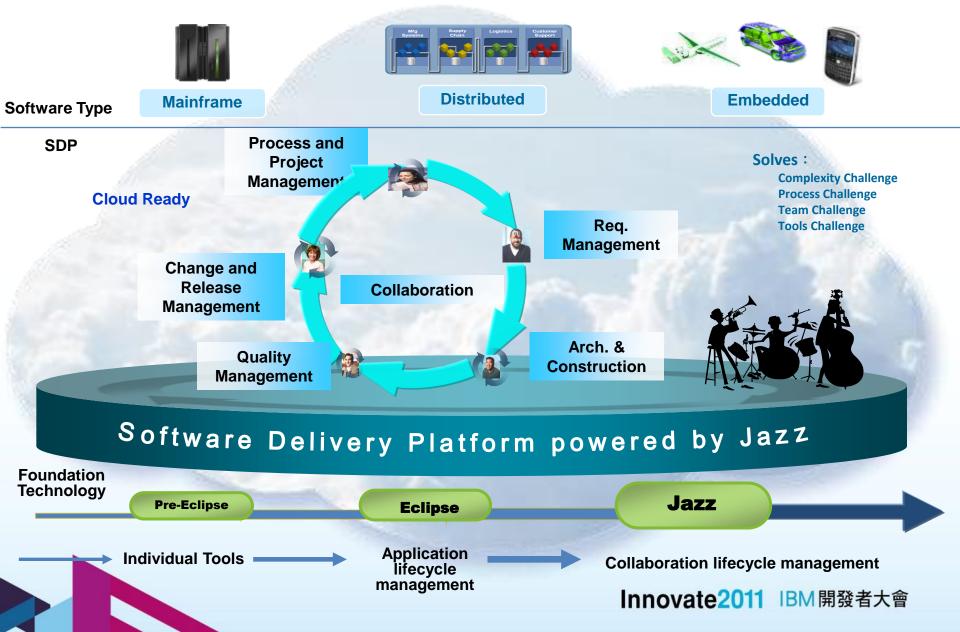
Executive Dashboard snapshot



Evidence Based Management



Rational Software Delivery Platform powered by Jazz





www.ibm.com/software/rational

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