

**IBM Software** 

# Innovate2011

The Premier Event for Software and Systems Innovation



19- July, Sydney, Australia21- July, Melbourne, Australia



IBM Software

# Innovate<mark>20</mark>1

The Premier Event for Software and Systems Innovation



19-July Sydney, Australia 21-July Melbourne, Australia





## Agenda

- Typical challenges and solutions
- Solution architecture
- Role based activity
- Scenario: Environment Stand-up and Reconcile
- Questions





#### Typical Challenges and Solutions

- People, Process, and Tools integration
  - Decrease process variance
  - Increase data quality, governance, traceability
- Align architectural compliance objectives
  - Software implementation standards
  - Software odularity and dependency management
  - Automatic processing between development and operations
- Better tools to manage complexity
  - Multiple environments with increasing levels of complexity: see the big picture
- Design to Runtime alignment
  - Reconcile in-band and out-of-band changes to design

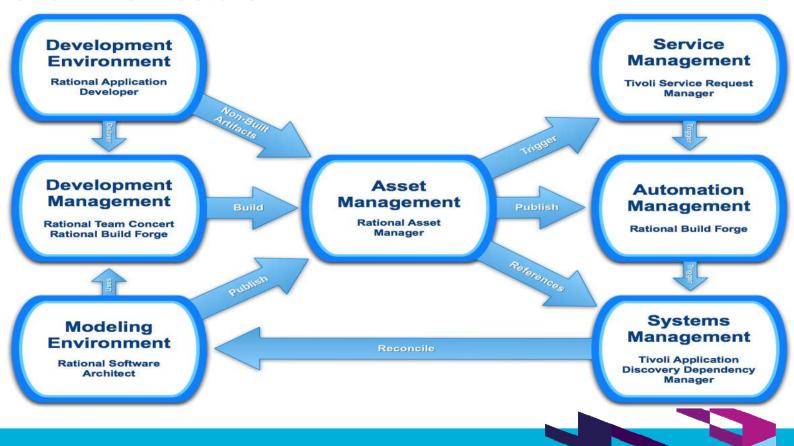


#### **Key Solution Components**

- Rational Software Architect (RSA)
  - Topological visualization, Workflow deployment
- Rational Asset Manager (RAM)
  - Governance, Architectural Compliance, dependency management (macro level)
- Rational Build Forge (RBF)
  - Automatic processing and Service Management integration
- Rational Team Concert (RTC/RTCz)
  - Modularity and dependency management (micro level)
- Tivoli Application Dependency Discovery Manager (TADDM), Tivoli Service Request Manager (TSRM)
  - Reconcile in-band and out-of-band changes to design

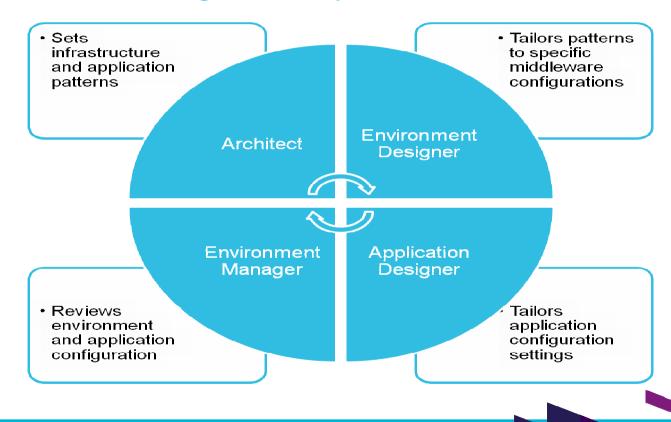


#### Solution Architecture



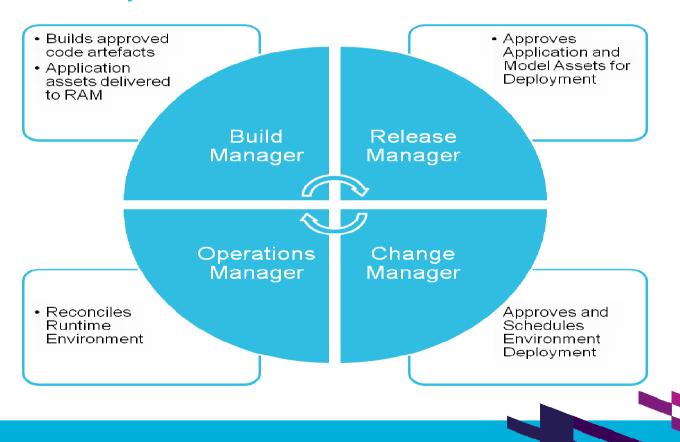


## **Environment Management Cycle**





#### **Governance Cycle**





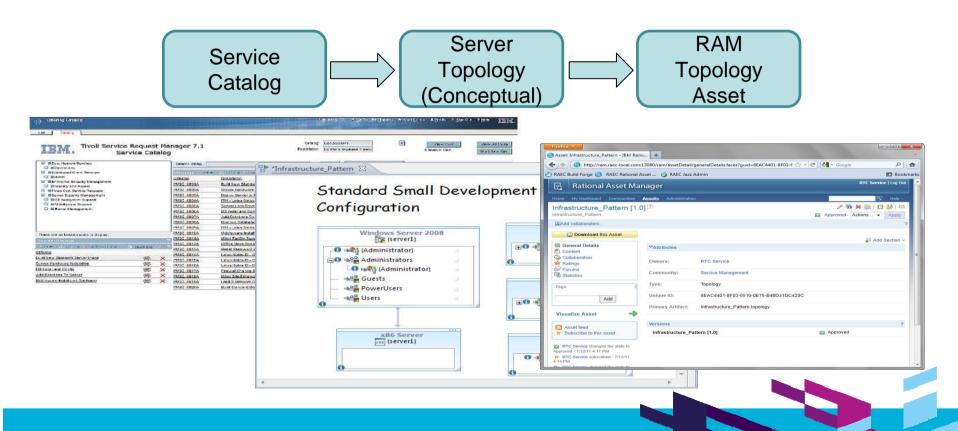
#### Scenario: Environment Stand-Up and Reconcile

- Hardware provisioning
  - Conceptual and physical topologies
  - Document generation for Service Provider
- Middleware provisioning
  - Conceptual and physical topologies
  - Document generation for Service Provider
- Application deployment
  - Conceptual and physical topologies
  - Generate workflows and effect change
- Discovery and Data Reconciliation





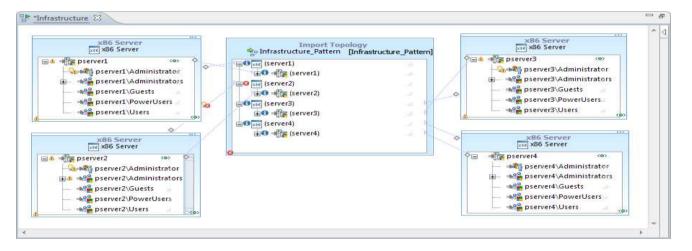
#### **Service Catalog Alignment**

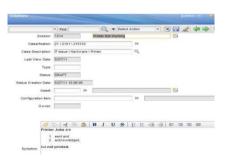




#### Generating the Provisioning Service Request



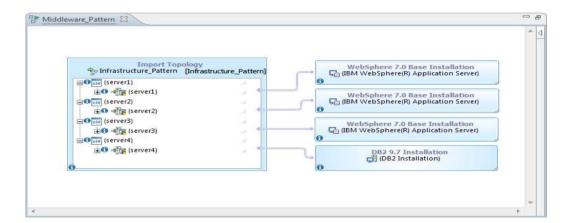






#### Platform Architecture Standards

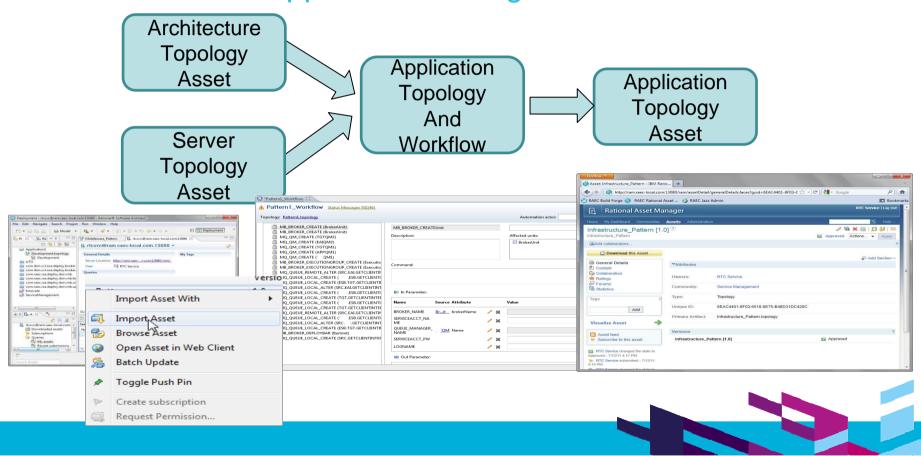




blish Assets lect the artifacts to publish as as	sets		
Select to publish as assets	Asset properties Name: Type: Version: Community: Short description	Middleware Topology 1.0 Architecture	tes Relations
	Middlewa	Related Assets pre_Pattern	Relationship Types  Contain  Require  Aggregation
Overwrite version ational Asset Manager server spository rtcsvc@ram.raec-loca	al.com:13080		▼ [New Reposit



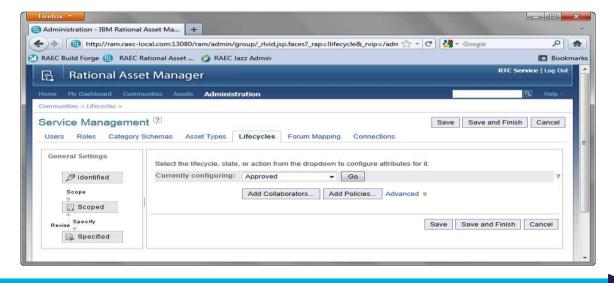
#### Middleware and Application Configuration





#### Connecting Asset Management with Service Management

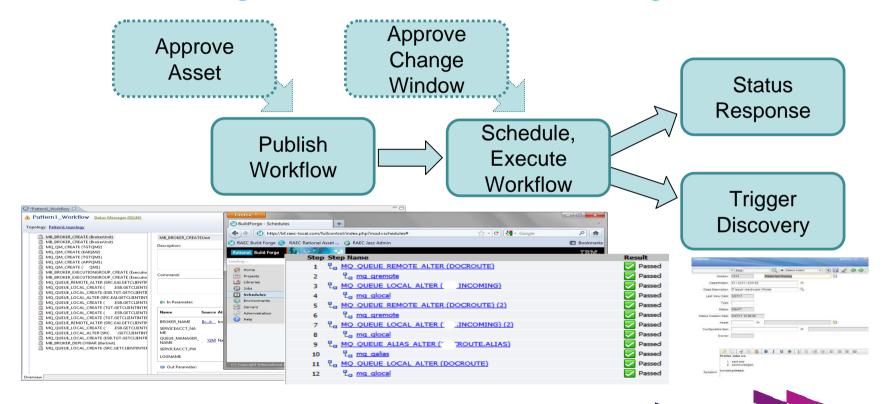




Solution:	1014		Action *	
		Printer Not Working		Tip
Classification	21\2101\210103		39	
Class Description:	IT Issue \ Hardware	\ Printer	- Q.	
Last View Date:	5/27/11			
Type:				
Status	DRAFT			
Status Creation Date:	5/27/11 10:06:06	10		
Asset	39-			(C.)
Configuration Rem			39	
Owner:				

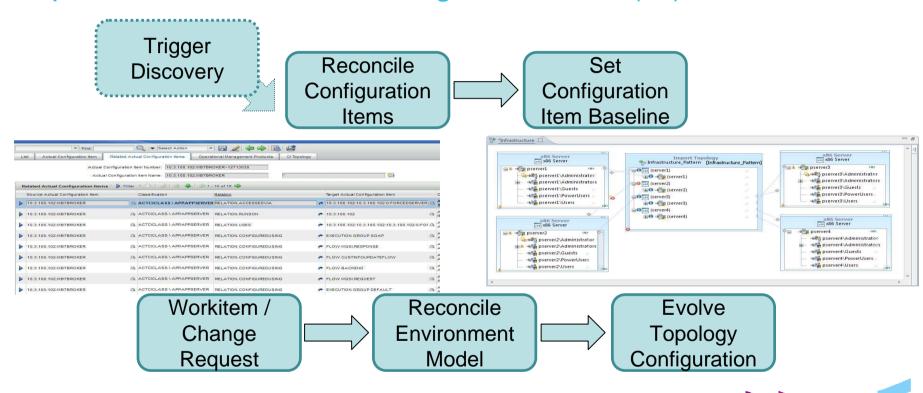


#### Automation Signatures, Workflow Publishing, Execution





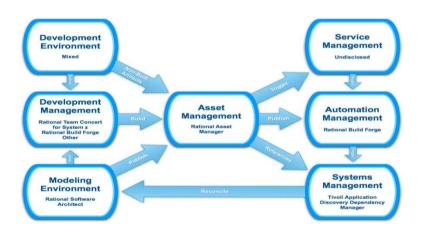
#### Operational Execution, Configuration Item (CI) Reconcile





#### Wrap-Up

- Elegant bridging between development and operations
- Asset governance oversees asset usage and promotion
- Asset policies seamlessly tie finished work products to execution
- Data driven design to runtime traceability and execution







#### Thank you! Questions?

#### Contact information

Richard Elberger, Director RAE Consulting

Email: rich@rae-consulting.com



