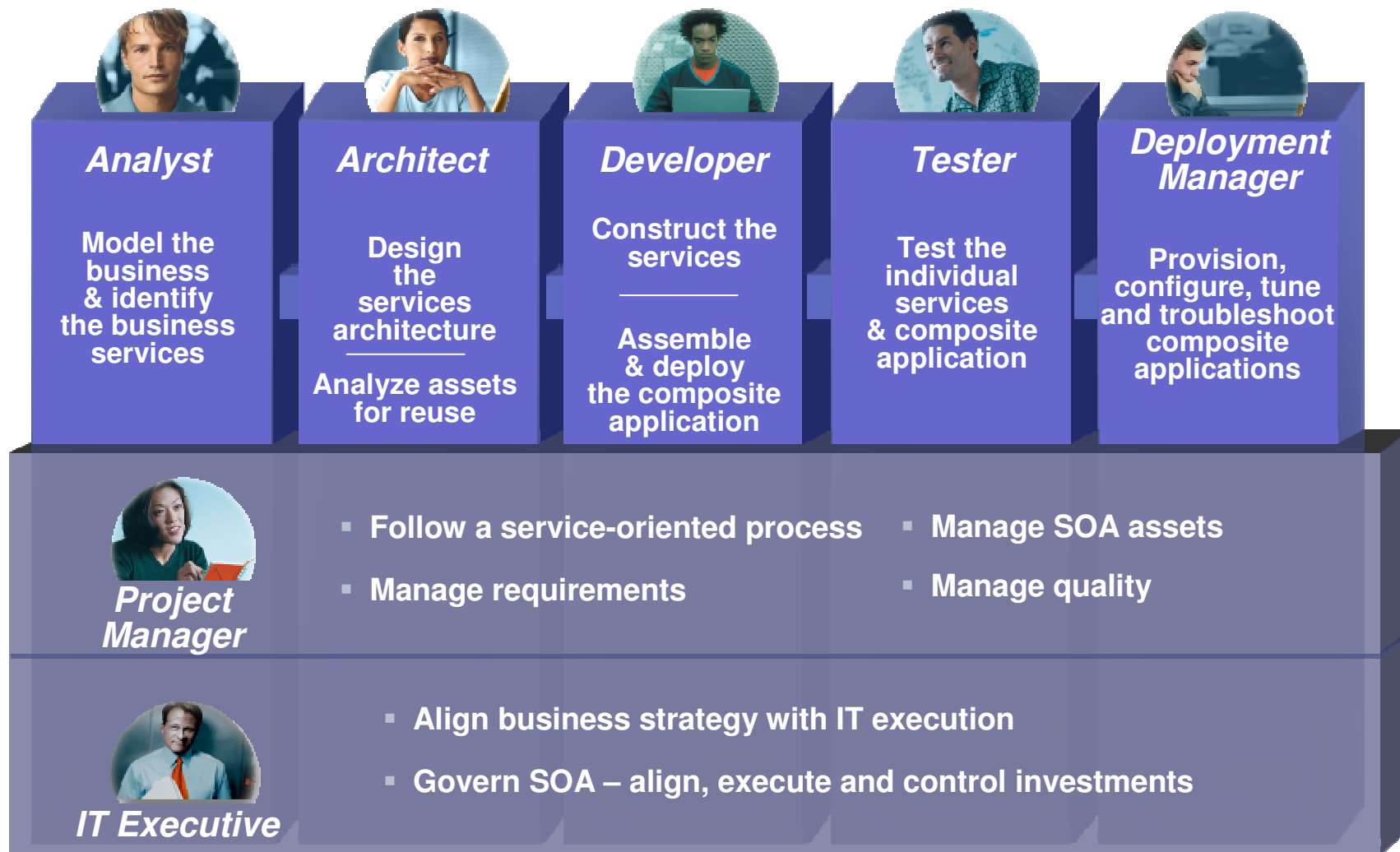
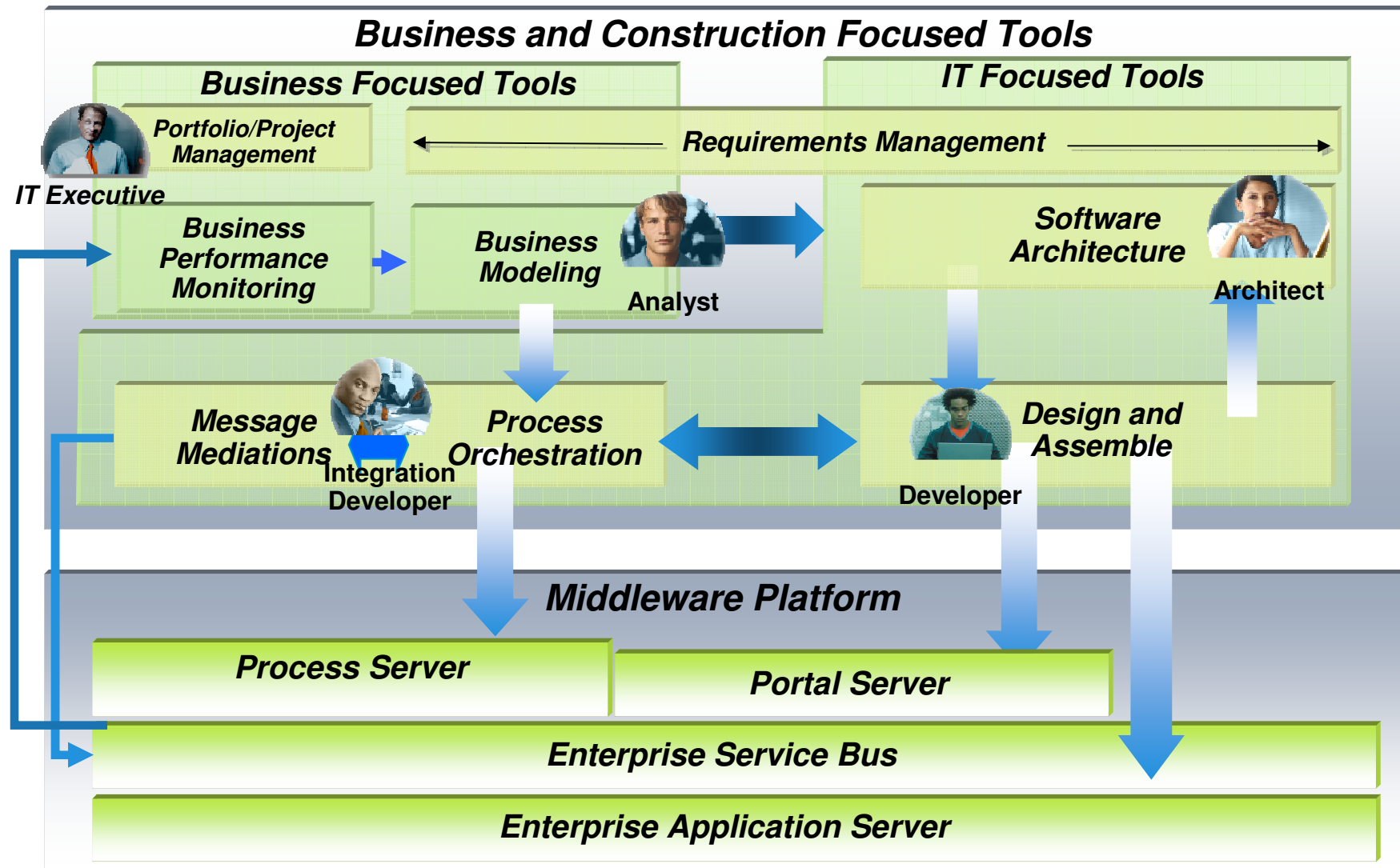


The IBM Rational Software Development Platform



Business Driven Development Scenario

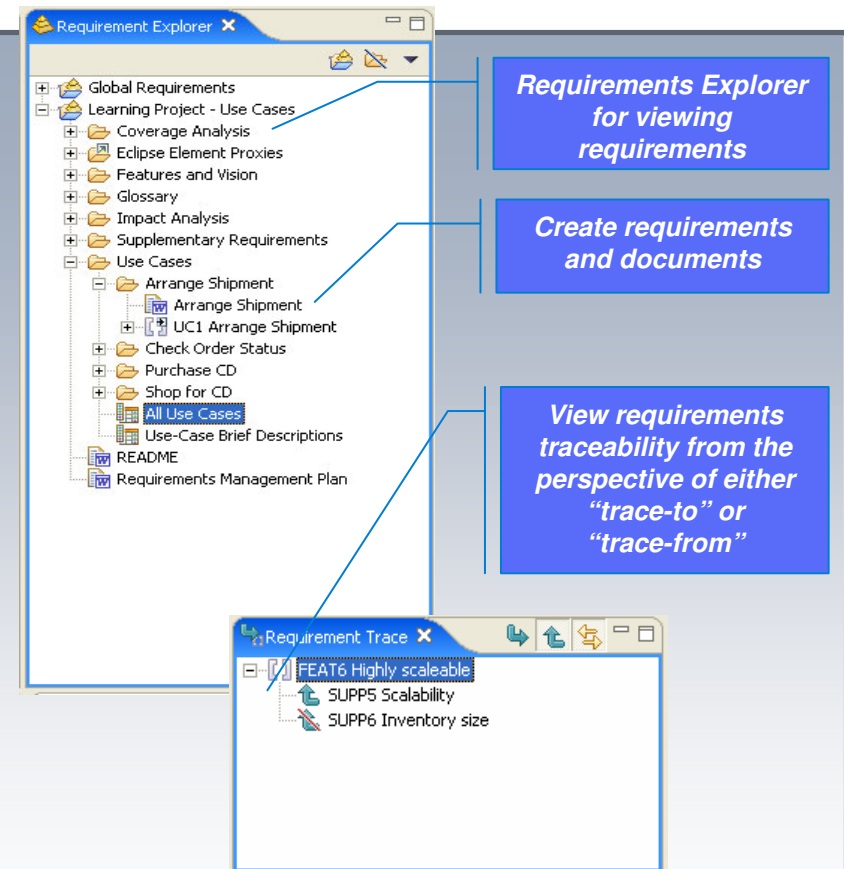


Requirements Management

- Create Business Vision Documents
- Create Business Use Case Specifications
- Define/Document Business Rule, Business Goal Requirements
- Define detailed system requirements (use cases and supplementary requirements)
- Trace enterprise requirements to business processes and service implementations

Customer Benefit:

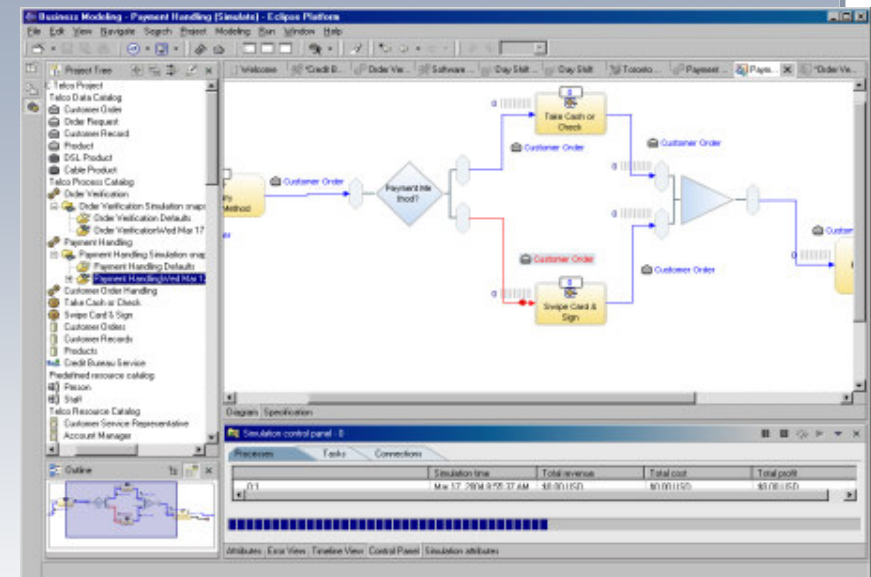
- Document and capture business requirements
- Capture traceability relationships between elements in the application



Business Process Modeling and Analysis

**Analyst**

- Business analyst analyzes, designs, and simulates business process
- Model from a Business perspective
 - As is and to be modeling
 - Business service identification
 - Specification of business KPI's
 - e.g. Average time to open an account should be <18 hours
 - 80% or more of the total account opening requests should be approved
- Business-level simulation
 - Used to optimize business process by understanding Process Duration, Costing, ROI, etc.



Customer Benefit:

- Business-level tools for modeling and simulation
- Describe business-level services in context of business improvement

Service Oriented Analysis, Modeling, and Design



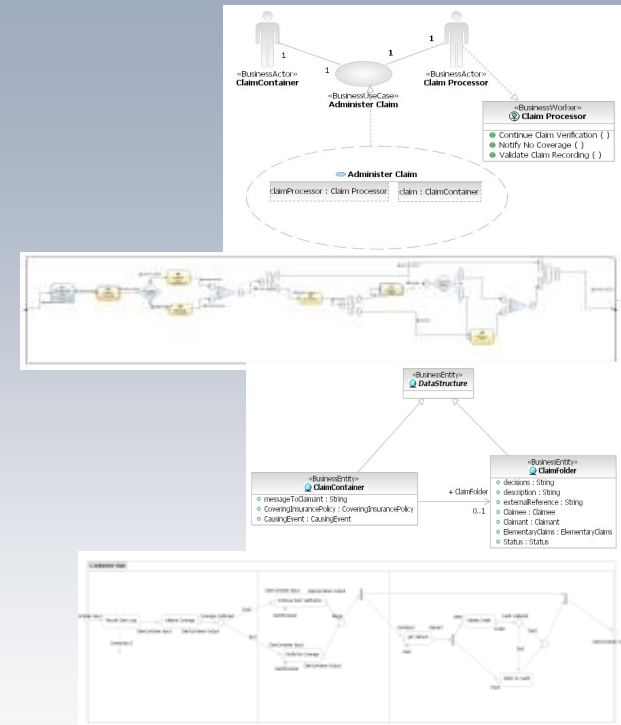
Architect

- Business Process Model can be transformed and visualized as a UML model
 - Create the design model from the business process model
 - Understand the business intent
- IT service identification
 - Create design model for new services (top-down)
 - Identify existing components for reuse (bottom-up)
 - Meet in the middle (most common)
 - UML Profile for Software Services aids in designing software services
- Artifacts in Design Models can be transformed into service implementations

Customer Benefit:

- Architecture and design for service implementations
- Automate application of design patterns
- Build transformations from analysis and design to implementation

Process



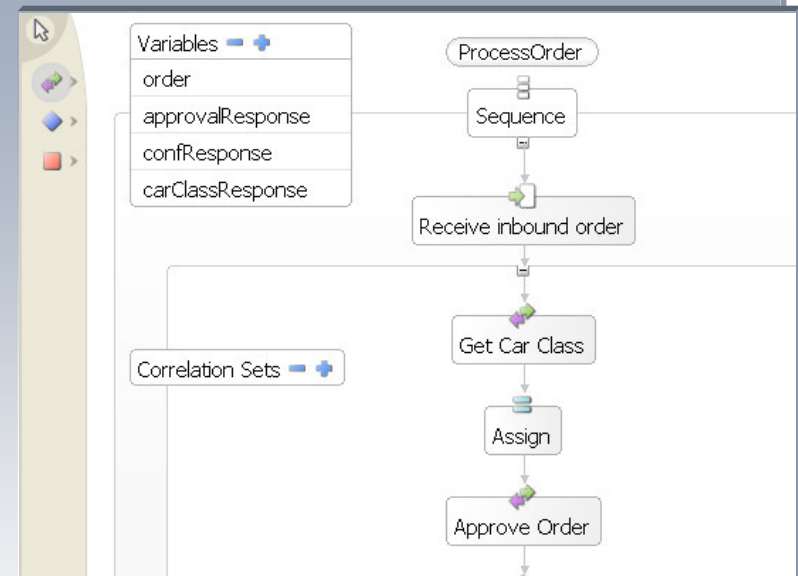


Business Process Choreography & Mediation

- Business Process Choreography is linking services together to form *deployable* business processes:
 - Deployable process model based on WS-BPEL
 - Both Flow and Event based Business Process can be modeled
 - *BPEL Editor (Flow based)*
 - *Business State Machine Editor (Event based)*
 - Choreography includes automated and human based services
- Mediation creation to transform/route service requests and responses

Customer Benefit:

- Simplified, standards-based business process development
- Easily create mediations for routing/transforming requests between services

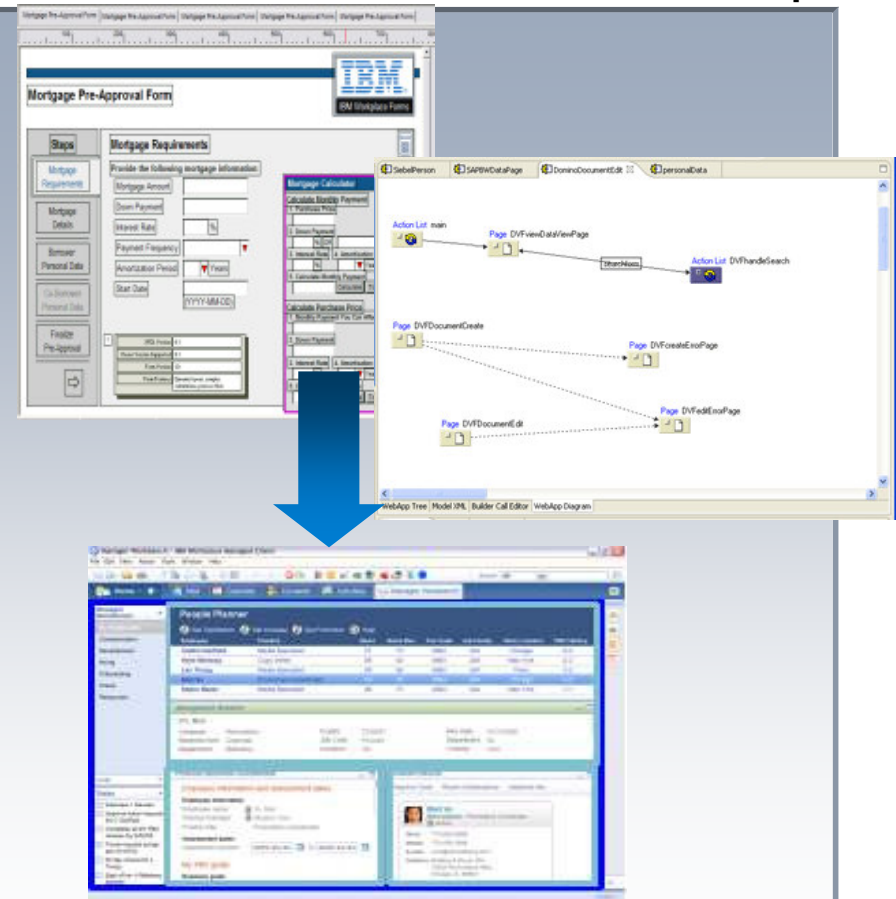


User Interface Development



- Use automated tools to build portlets that expose business capabilities (services)
 - Portlet wizards to face J2EE applications with portal UI
 - eForms to extend user interactions beyond the Enterprise and offline
 - Custom-built “situational” applications to fill in missing capabilities

- Configure portlets into user interface compositions with role dependent access

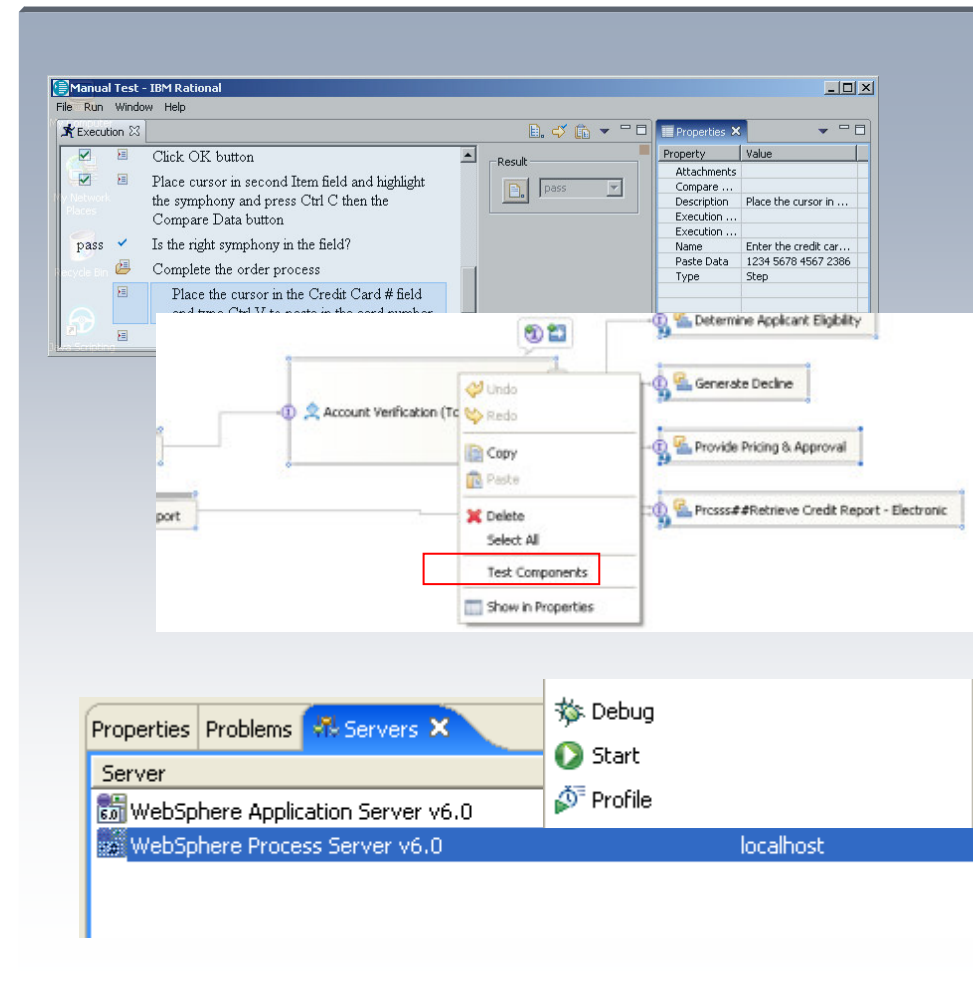


Customer Benefit:

- Role appropriate user interface
- Only relevant portions of applications or services are exposed
- Rapid time to value

Test Early, Test Often

- Testing needs to occur across Business Driven Development:
 - Component
 - Service
 - Business Process
 - Composite Application
 - Functional
 - User Interface
 - Performance
 - Regression
 - System
- Integrated set of test tools (that support SOA) and an integrated test environment is important



धन्यवाद

Hindi

多謝

Traditional Chinese

ขอบคุณ

Thai

Спасибо

Russian

Gracias

Spanish

شكراً

Arabic

Thank You

Obrigado

Brazilian Portuguese

Grazie

Italian

Danke

German

Merci

French

நன்றி

Tamil

多谢

Simplified Chinese

감사합니다

Korean

ありがとうございました

Japanese