



IBM WebSphere Business Process Management

# Interactive Process Design

Overview

**Paul Smith**

**WebSphere Tiger Team**

**[pasmith@uk.ibm.com](mailto:pasmith@uk.ibm.com)**

© 2009 IBM Corporation

# Many Types of Processes to Implement

**Simple**

Business Processes

**Complex**

- Goal is to increase efficiency in minimal time, without heavy reliance on IT
- Human oriented workflows
- Processes change frequently
- Processes and activities are very familiar to the users that model, perform, and design the process
- Get work routed correctly, completed quickly, and make it all traceable and measureable
- Minimal constraints from IT infrastructure or standards
- Processes are smaller deployments and not high-volume

- Goal is to simplify delivery and management of complex capabilities to end users
- Processes are broad and dynamic
- Impact of process is felt throughout the organization, must be closely managed
- Complex integration with legacy systems, package applications, web services, etc.
- Processes are high-volume, high value, larger deployments

# Value of WebSphere BPM Interactive Process Design

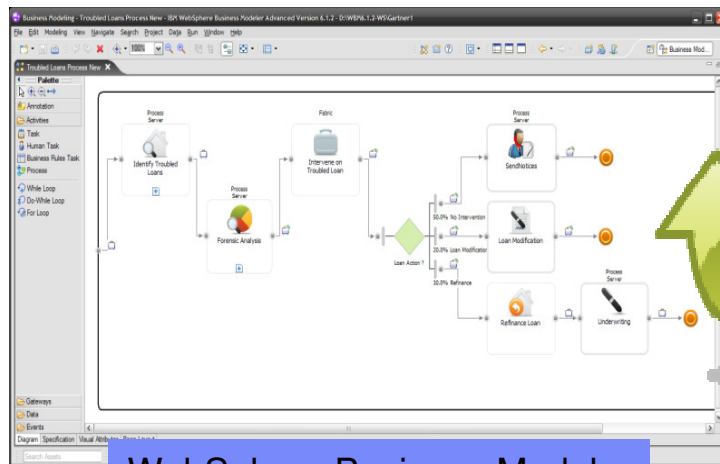
## ■ Empowering Business Analysts to...

- Define and realize BPM solution with minimal IT dependency (“Self Service”)
- Go from model to execution with a single tool
- Faster time to value for human workflows
- Playback exactly how the process will run
- Iterate quickly
- Better communicate requirements for “business services” to IT

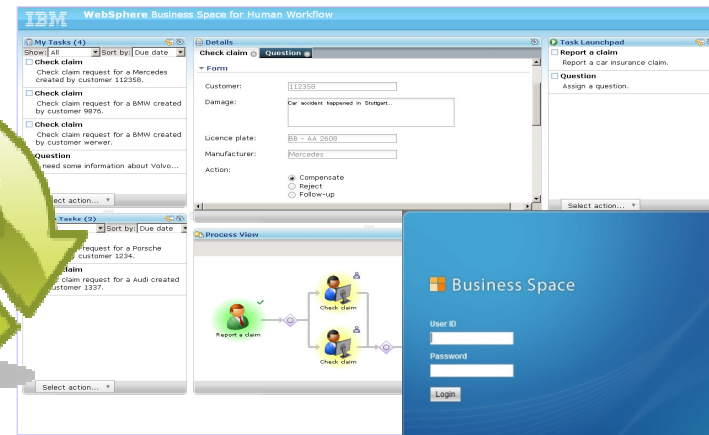
*Business Analyst use a single tool to define and test BPM solutions*

## ■ Empowering IT to...

- Reduce churn on process design iterations
- Focus on strategic systems and infrastructure
- Focus on the architecture and technical details of Business Services



WebSphere Business Modeler



Sandbox (Business Space, WPS, Monitor)

# Interactive Process Design Approach

## Enhances productivity for Business Analysts and IT Developers

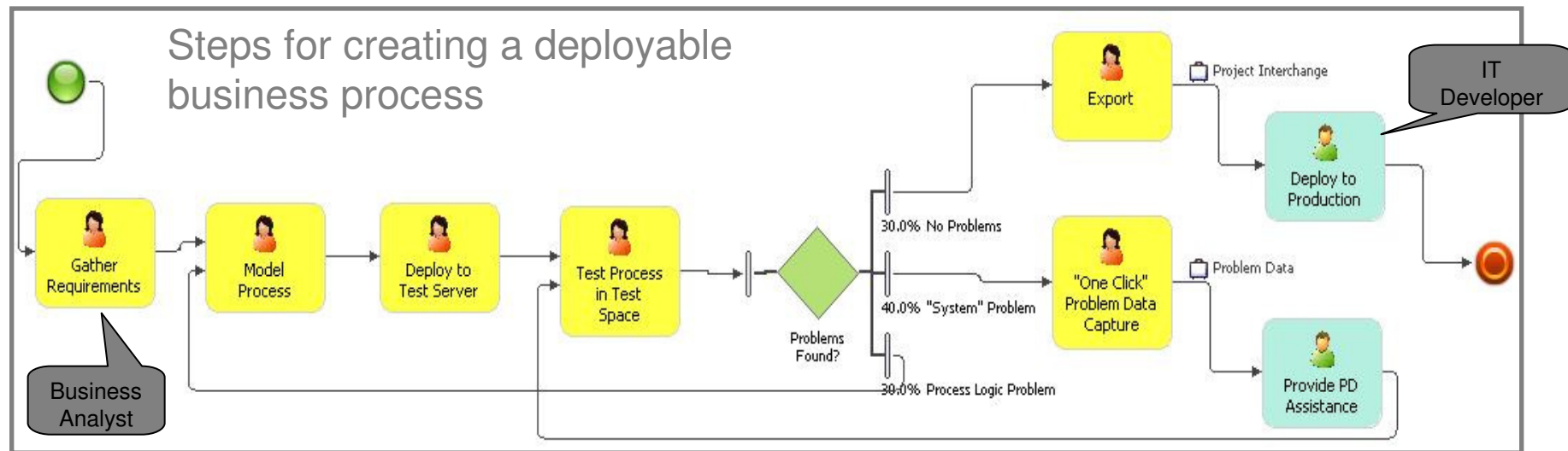
- Business Analysts work at the “process level”
- IT Developers work at the “Business service level” defining services for use within the process
- Facilitates parallel work without costly synchronization of business and IT models

## Accelerates iterative design

- Shorter path between requirements and executable process
- Business Analyst defines and tests process using WBM

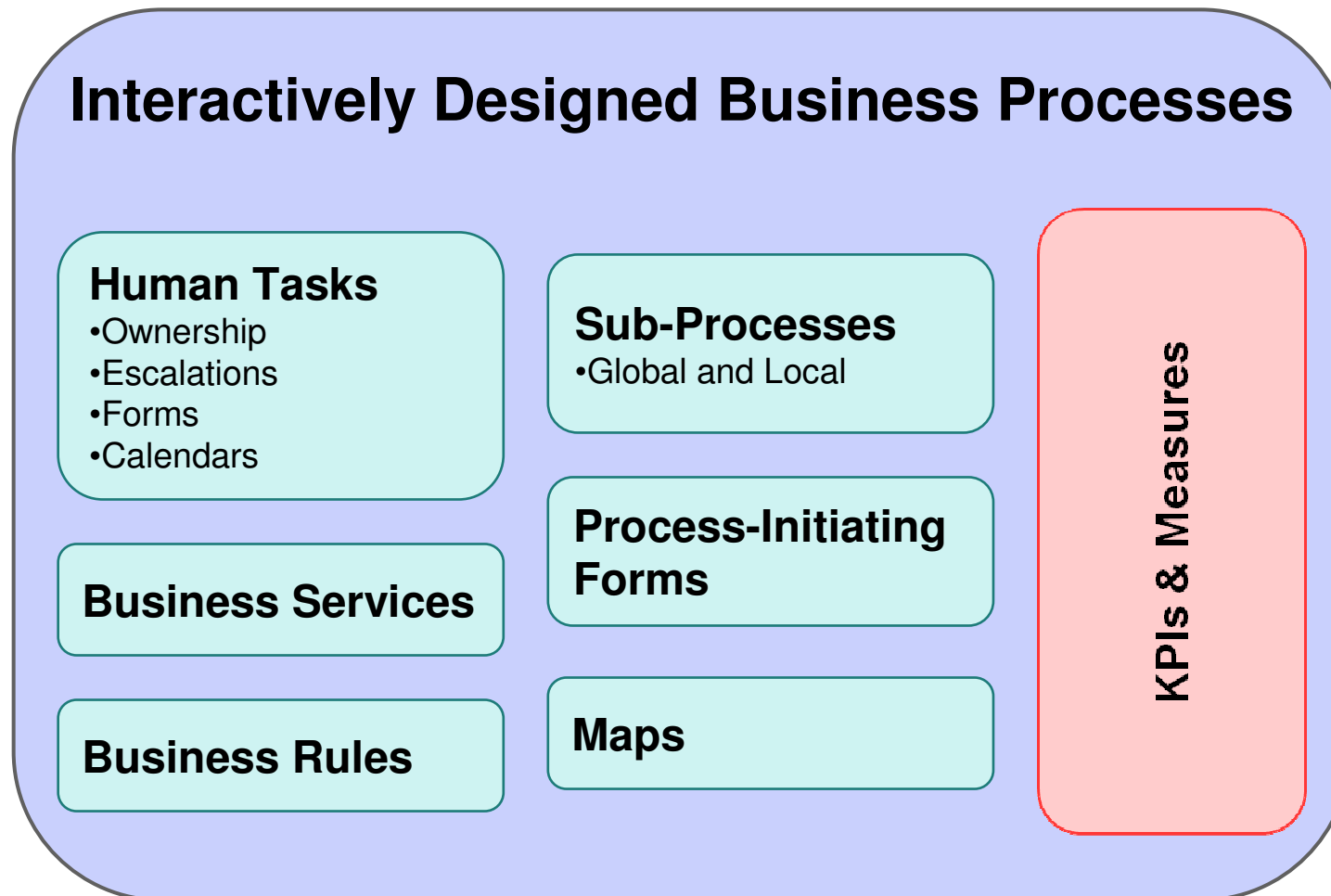
### Benefits

- Shorter iteration cycles
- Faster Time to Value























# What's Included in Interactive Process Design?

*Faster Time to Value for Human Workflow on WebSphere Process Server*





# Roles

<b>Business Analyst</b> 	<b>IT Developer</b> 
	Configures servers 
	Configures development environment 
	Creates and Develops Services  
Imports Services  	
Models the process 	
Deploys and Tests   	
	Solves deployment and runtime problems   
Uses the process as is or after it is deployed to production  	Optionally deploys the process to productions   

# Interactive Process Design is Valuable Across the Business



**Business  
Leader**



**Manage and Monitor from desktop and/or mobile devices**



**Business  
Analyst**



**Modify rules, policies and processes**



**Business  
User**



**Review KPIs, manage task lists and staff productivity**



**Process  
Owner**



**Analyze metrics, optimize process models and dashboards**

*Empowers Line of Business with minimal IT involvement*

# Business Analysts use WebSphere Business Modeler

## Model

- Business Process, organizations, resources, roles
- Leverage existing Business Services from WSRR / WID
- Human workflows with Forms for user interaction
- Staff assignments
- Business rules
- Leverage Predefined KPIs

## Simulate and Analyze

- ROI analysis
- Cost, time, resource analysis

## Storyboard

- Capture and playback the flow and user interaction

## Collaborate and Team

- Share with business stakeholders
- Manage assets in BPM repository

## Realize

- Deploy and Test the business process on WPS and Monitor sandbox



# IT Developers use WebSphere Integration Developer



IT Developer

## ■ Create Business Services

- Provide Business Services to the Business Analyst
- Implement complex business logic and data mapping
- Implement Mediations
- Define new KPIs and monitor models

## ■ Publish and Deploy

- Administering the Testing environment and Configuration
- Publish business services to repository\*
- Create the production deployment package

## ■ Problem determination

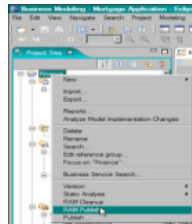
- Assist the WBM user in debugging

The image displays several screenshots of the IBM WebSphere Integration Developer (WID) interface. The top-left screenshot shows a process flow diagram for 'VacationProcess\_Flow' with steps like 'Vacation Process Receive', 'First Line Manager Approval', and 'Second Line Manager Approval'. The top-right screenshot shows a 'Data Map' window with a list of data objects and their types, such as 'PersonInfo' and 'CommunicationInfo'. The middle-left screenshot shows a 'Search for Assets' window with a table of assets. The middle-right screenshot shows a 'General Properties' window for a specific asset. The bottom-left screenshot shows a 'Setup New Employee' process flow diagram. The bottom-right screenshot shows an 'Events' window with a table of event details.

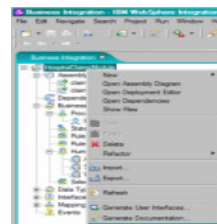
\* Requires WSRR Eclipse plug-in

# Use WSRR ALE to Facilitate Business-IT Collaboration for Interactive Process Design

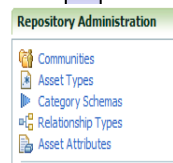
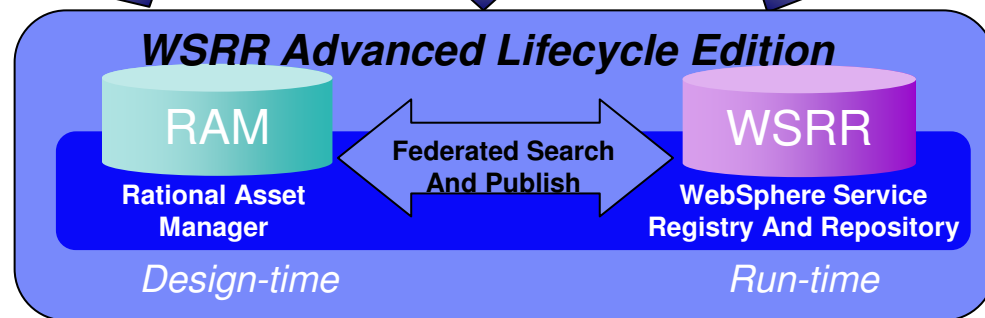
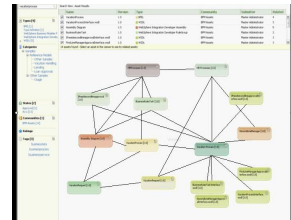
Manage Modeler Assets (e.g. process models, Monitoring Models)



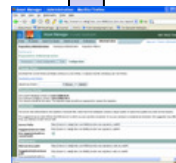
Manage WID Assets (e.g. BPELs)



Govern and Perform Impact Analysis



Administer Repository



Publish and Deploy

- Design, development and run-time repository
- Simplify exchange of assets between BPM tools
- Complete traceability through relationship linkage
  - Between process models and implementation
  - Link to information in other repositories

THANK  
YOU

