

Participant Guide

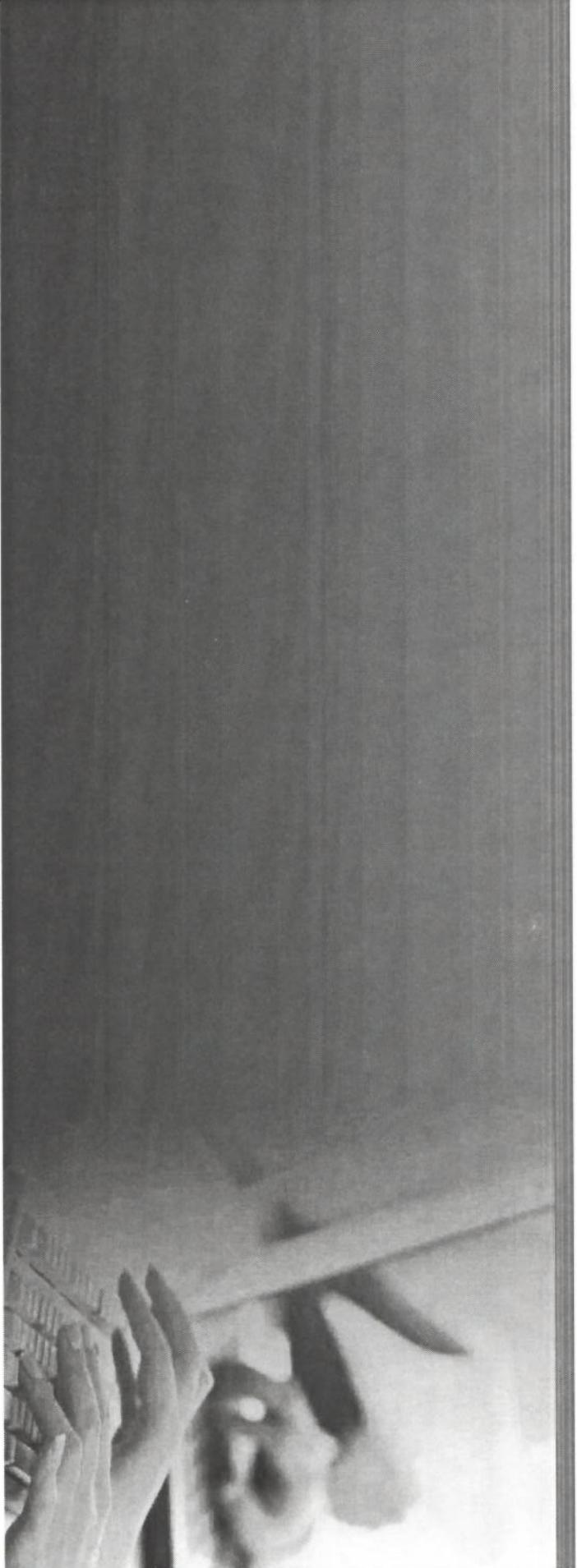
DRIVE WebMethods 8.2 BPM Test



g software AG

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software AG

webMethods BPM

Welcome to Software AG Training!

Housekeeping Items

- Class hours
- Refreshments
- Smoking
- Restrooms
- Emergency exits
- Sign-in sheets

So Everyone Benefits, please:

- Turn off/silence cell phones and pagers
- Check e-mail only at breaks
- Refrain from side discussions
 - We all want to hear what you have to say!
- Feel free to ask questions during the lecture

Agenda

- Chapter 1 Introduction to BPM
- Chapter 2 Introduction to Designer
- Chapter 3 Building Process Models
- Chapter 4 Process Monitoring
- Chapter 5 Business Rules and Runtime Deployment
- Chapter 6 Optimize for Process Statistics
- Chapter 7 Wrap Up

1

Introduction to BPM

Objectives

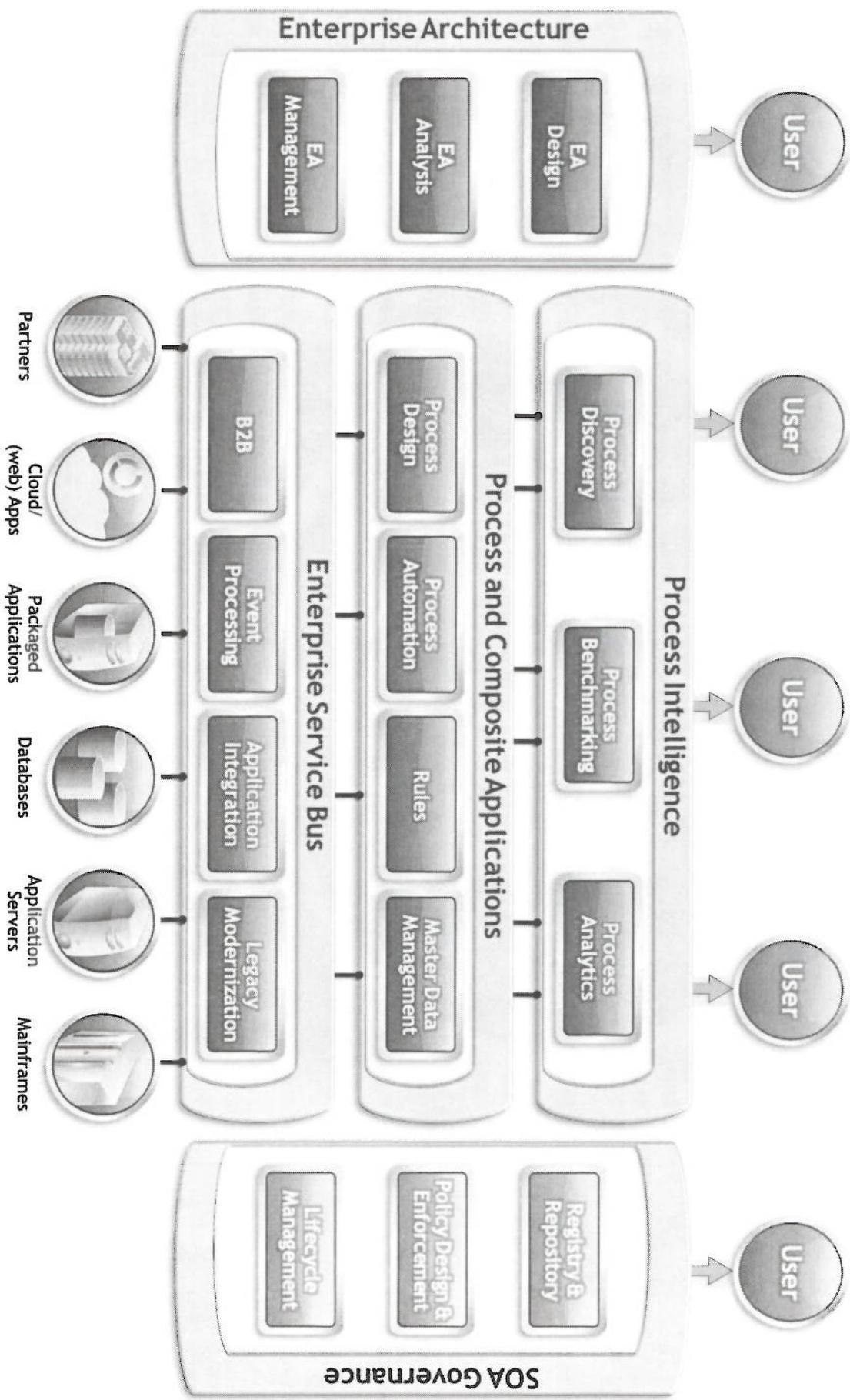
At the end of this section, you will be able to:

- Describe the benefits of Business Process Management (BPM)
- Name the products covered in this course

Business Process Management (BPM)

- BPM describes and automates end-to-end business transactions, coordinating people and systems in formalized interactions
- People interactions include User Tasks such as approval, review, exception handling, and manual procedures such as order entry
- End-to-end orchestration provides the advantages of:
 - de-personalized business procedures from single points of expertise
 - improved business performance through automation
 - an overarching view for accurate business understanding
 - measurement of improvements to business operations such as strategic initiatives and quality programs
- BPM solutions provide tools for analysis, design, automated execution, monitoring and evolution
- BPM attempts to improve processes continuously - it can therefore be described as a "process optimization" process

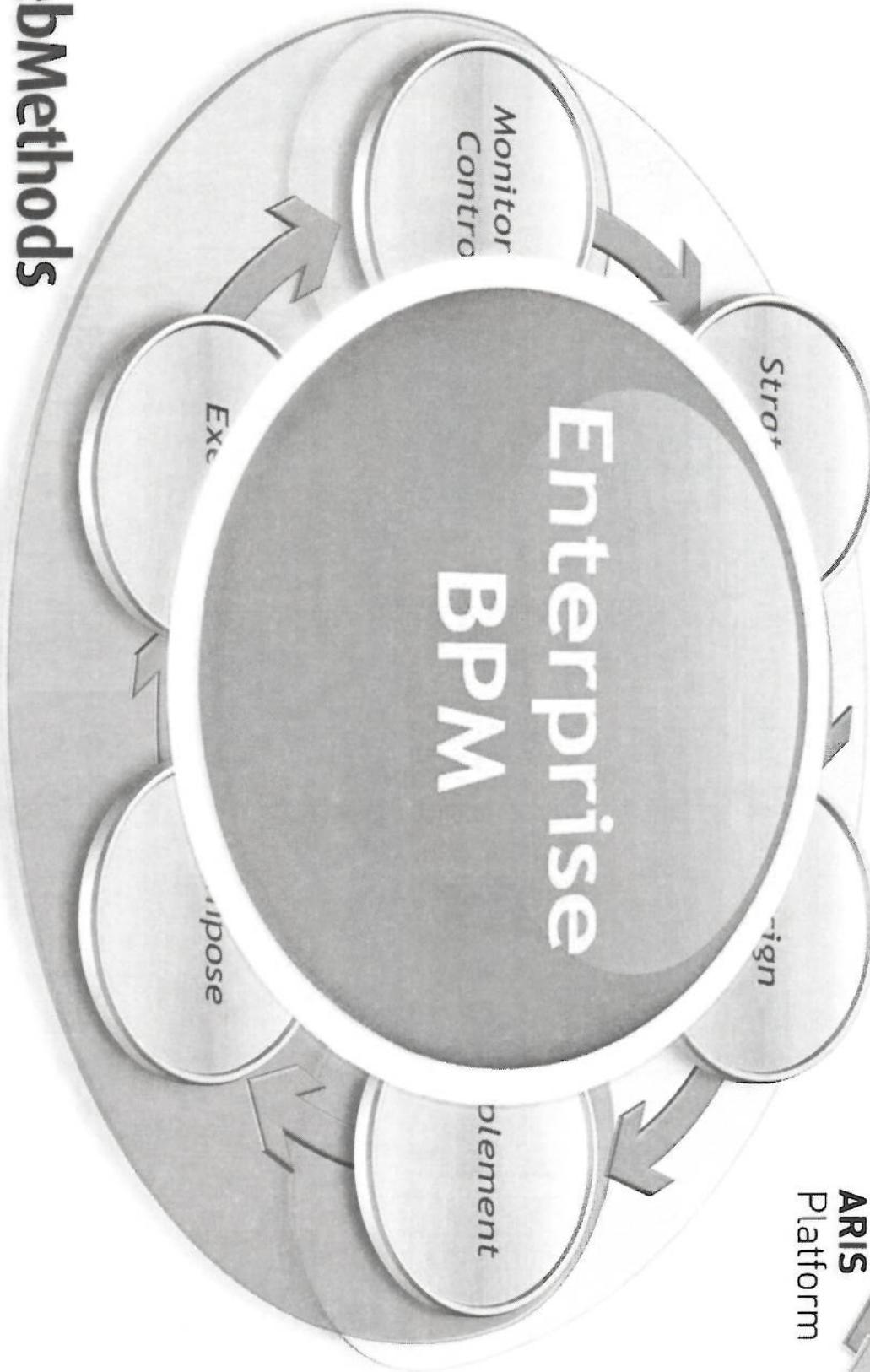
Software AG's Platform for Business Process Excellence



Business Process Lifecycle



webMethods



Processes Design and Transformation

Business Design

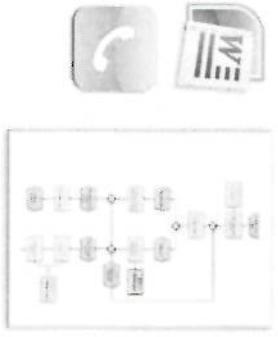
Logical Design

Technical Design
& Implementation

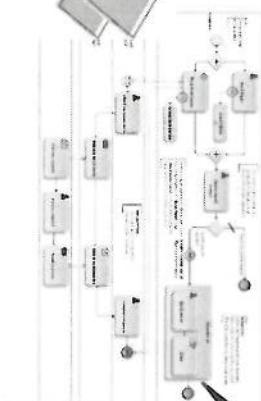
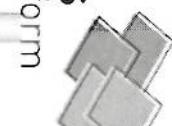
Business Model

Logical Model

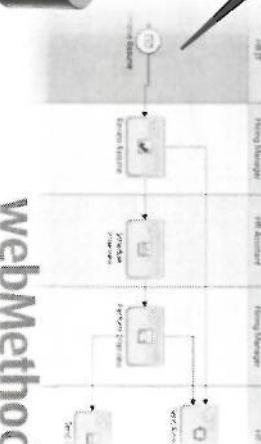
Executable Model



ARIS
Platform



ARIS &
Centrasite



webMethods

- Unstructured data
- Incomplete process models with logical flaws

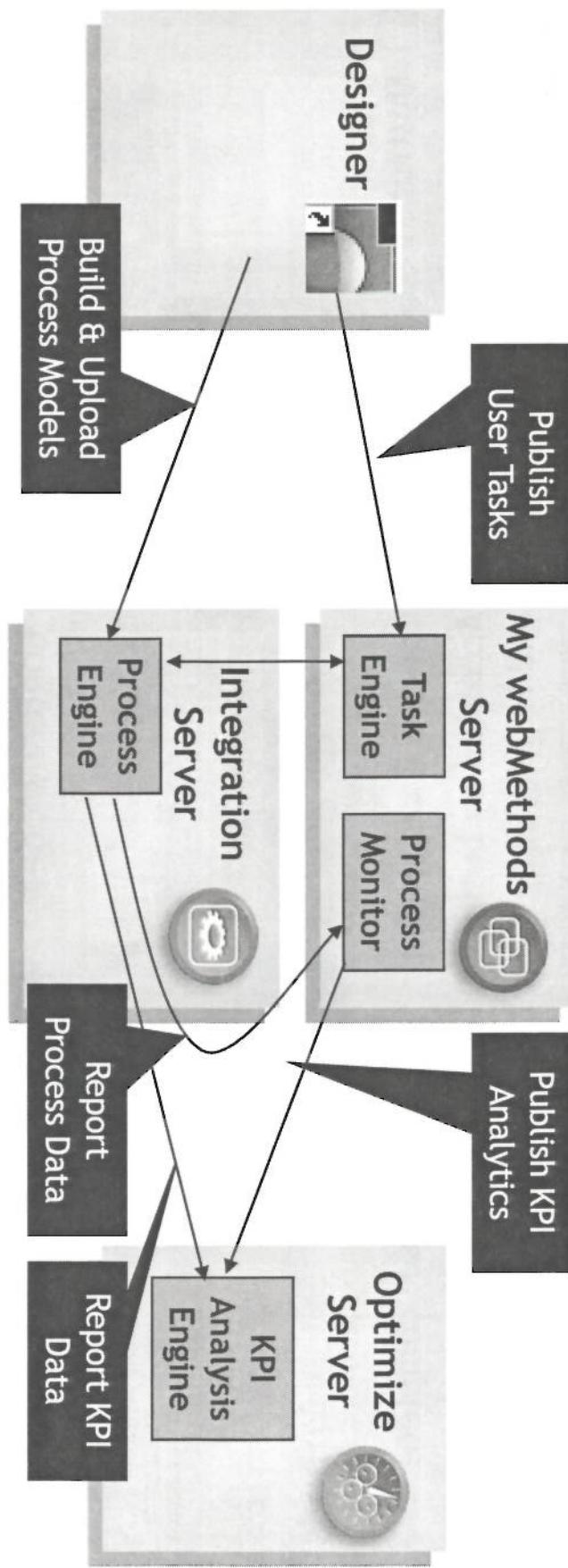
- Concise & consistent
- Accepted by business and IT

- Concise, complete technical representation of the “IT truth”

Business Process Modeling
Enterprise Architecture Management

Business Process
Automation

webMethods BPMS Architecture



webMethods BPMS consists of the following **webMethods** key components :

- Designer:** for designing Processes, User Tasks, User Interfaces, and Business Rules
- Process Engine:** for executing automated processes
- Task Engine:** for implementing User Task interaction between users and processes
- Monitor and Optimize Server:** for monitoring process performance and key business metrics

2

Introduction to Designer

Objectives

At the end of this section, you will be able to:

- Describe the basic capabilities of Software AG Designer
- Use the primary perspectives, views, and editors of Designer
- Import an XPDL Process Model into Designer

Process Development using webMethods BPMS

There are multiple options for incorporating business processes:

A: Business Analysis and logical process design performed outside webMethods BPMS by using

□ ARIS

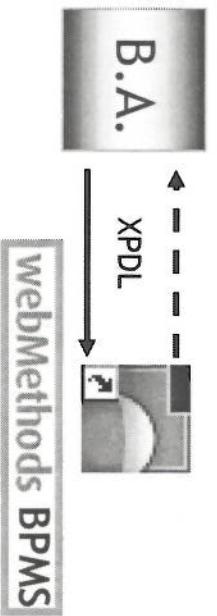
→ Import logical process model from ARIS into Designer and enhance it to a technical BPMN process model

- Smoothly coupled (Model-to-Execute)
- Round-tripping and versioning



□ Other BA tools than ARIS

→ Import XPDL process model into Designer and enhance it to a technical BPMN process model



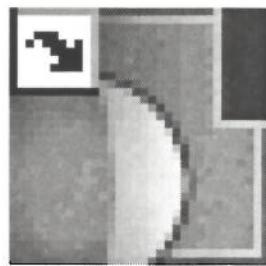
B: Use webMethods BPMS for Business Analysis and technical process development/automation



Unified Development: Software AG Designer

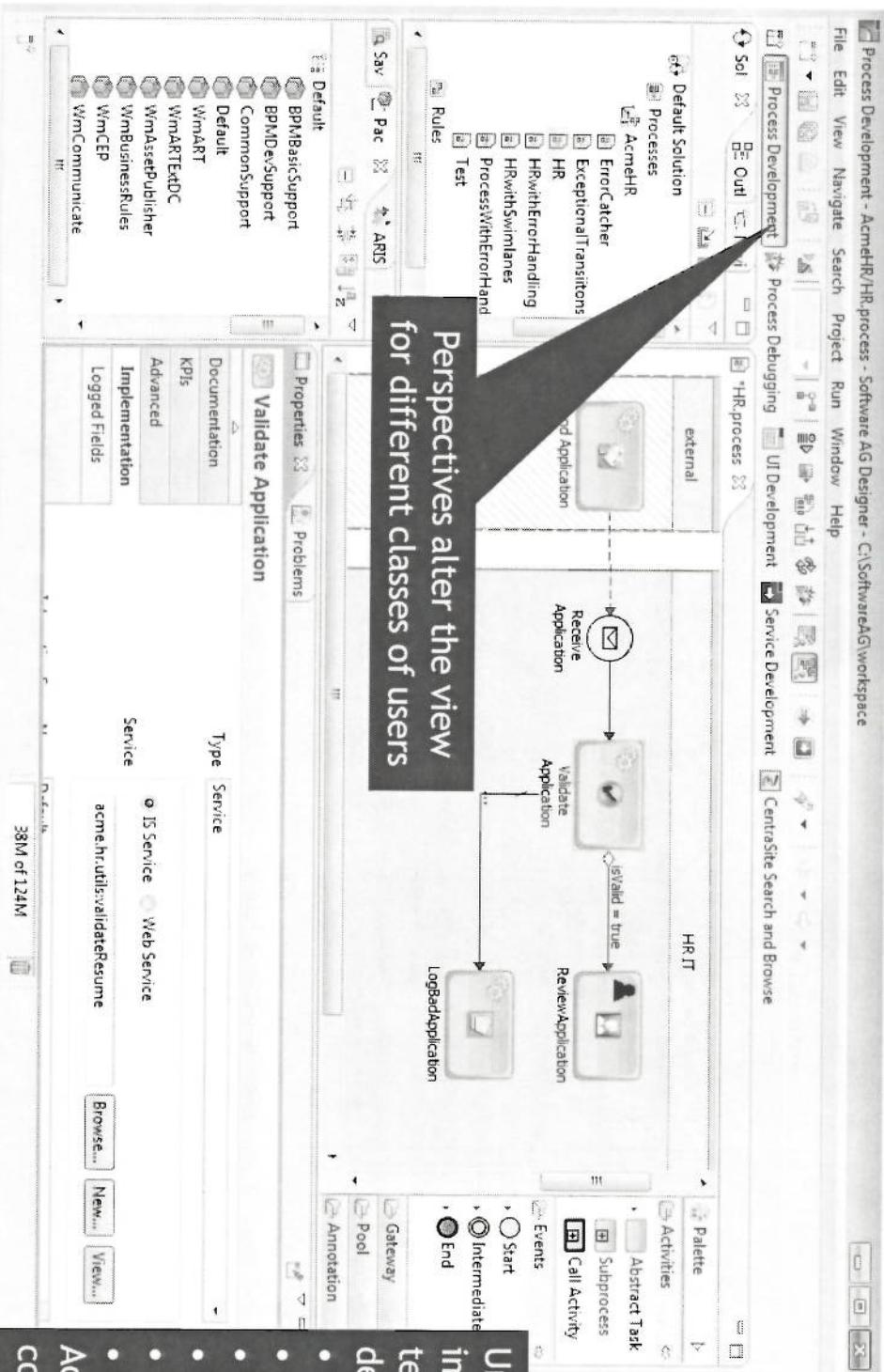
Software AG Designer provides:

- Perspectives for different roles performing technical design and implementation:
 - Process Developers
 - Process Debuggers
 - UI Developers of User Task & web pages
 - Service Developers
 - Rule Developers
 - Simulations,...
- Single interface for the technical business process implementation lifecycle
- Access to a SOA registry/repository for service browsing, lifecycle management, and SOA governance
- Support for VCS like CVS or Subversion
- Process exchange from/to ARIS



Unified Development: Software AG Designer...

Perspectives alter the view for different classes of users



**Software AG
Designer**

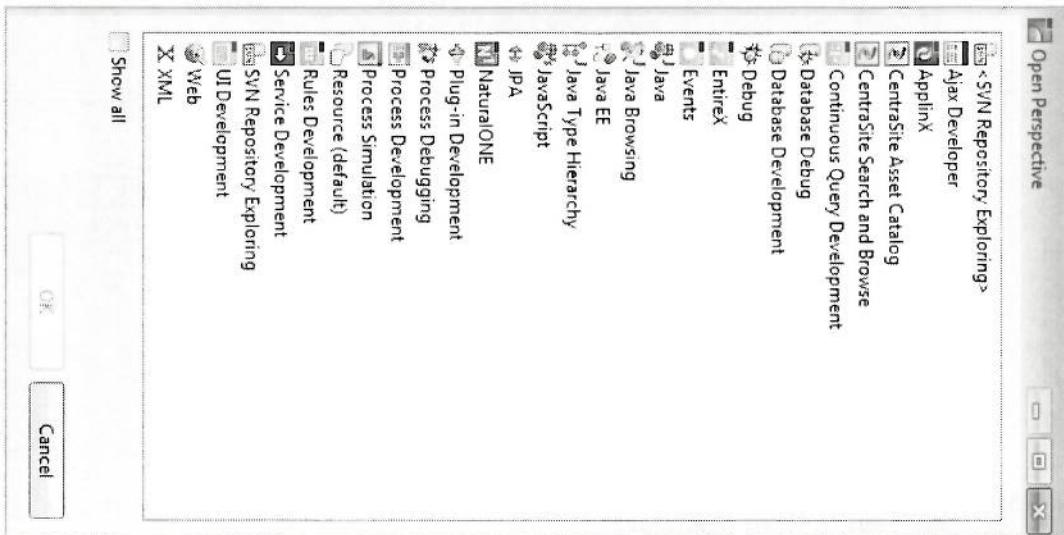
Unified tool for implementation, test and deployment of:

- Processes
- User Task
- UIs
- Business Rules
- Simulations
- IS assets,...

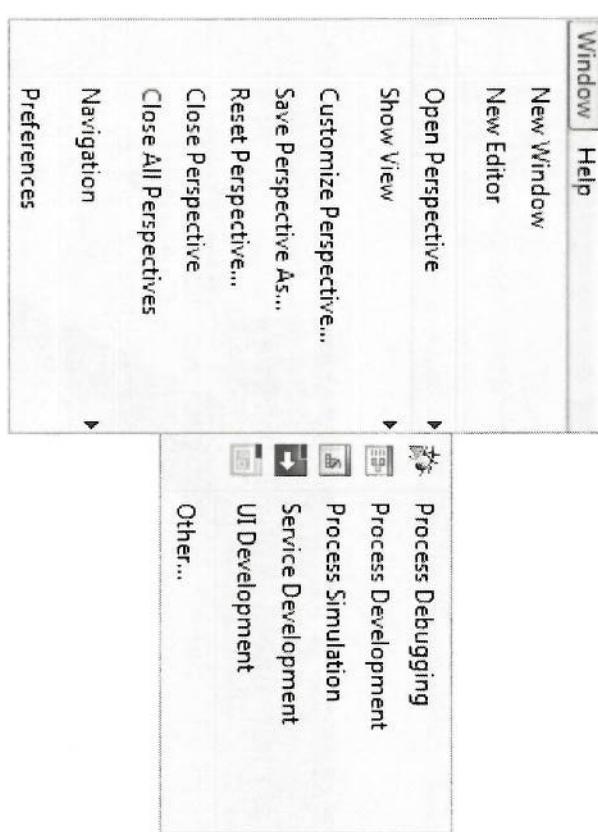
Access to ARIS, common metadata and versioned shared sources.

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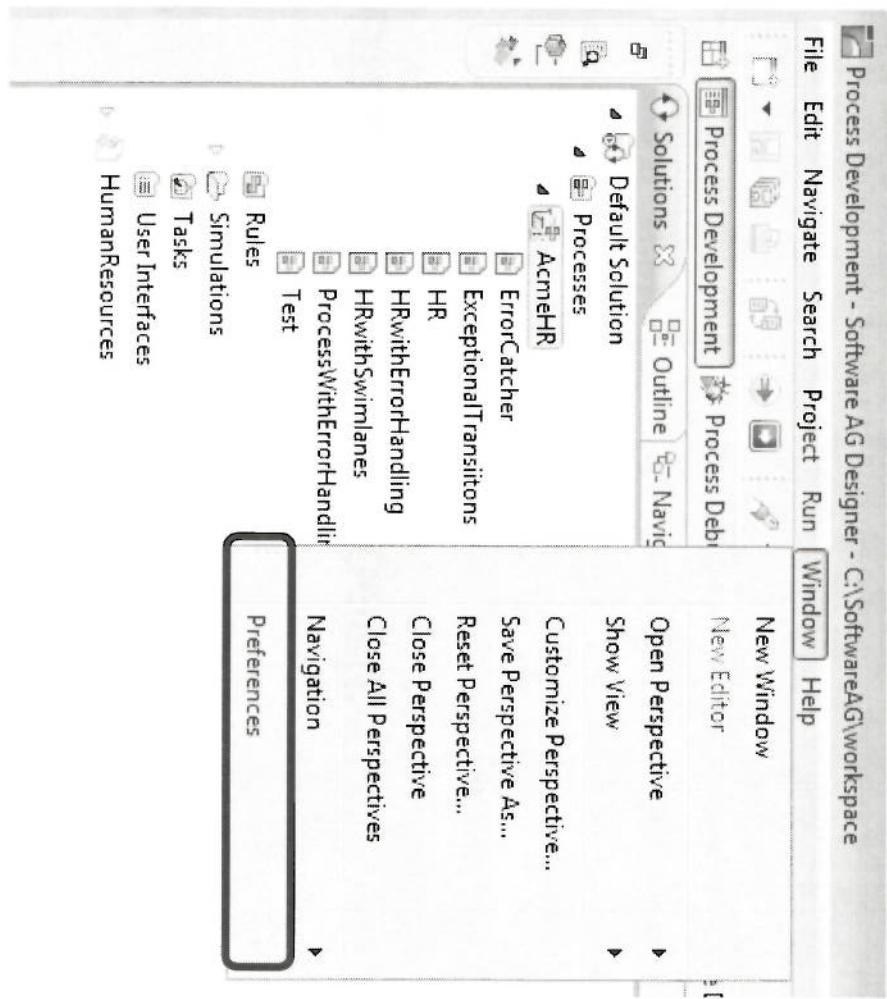
Perspectives



Each perspective provides functionality targeted at accomplishing specific tasks with the appropriate asset



Designer Preferences



Designer Preferences may be configured under Window -> Preferences

Important Preferences to be adapted:

- Development appearance
- Location of Integration Servers
- Process Audit database
- Location of the My webMethods Server
- Process debugging
- ...

3

Building Process Models

Objectives

At the end of this section, you will be able to:

- Create process models in Designer using drag and drop
- Interact with manual tasks
- Build and upload the runtime assets to support process models

Design Canvas and Palette

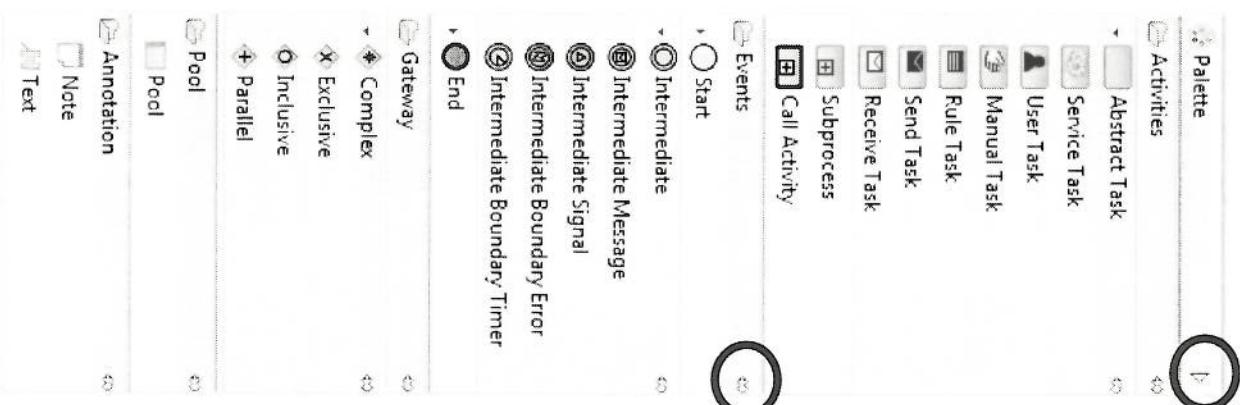
When the process file is first created, the design canvas is blank

Palette offers icons representing BPMN 2.0 compliant modeling elements:

- Activities
(Tasks Activities of various types, Call Activities, Subprocesses)
- Events
- Gateways
- Pools and Annotations

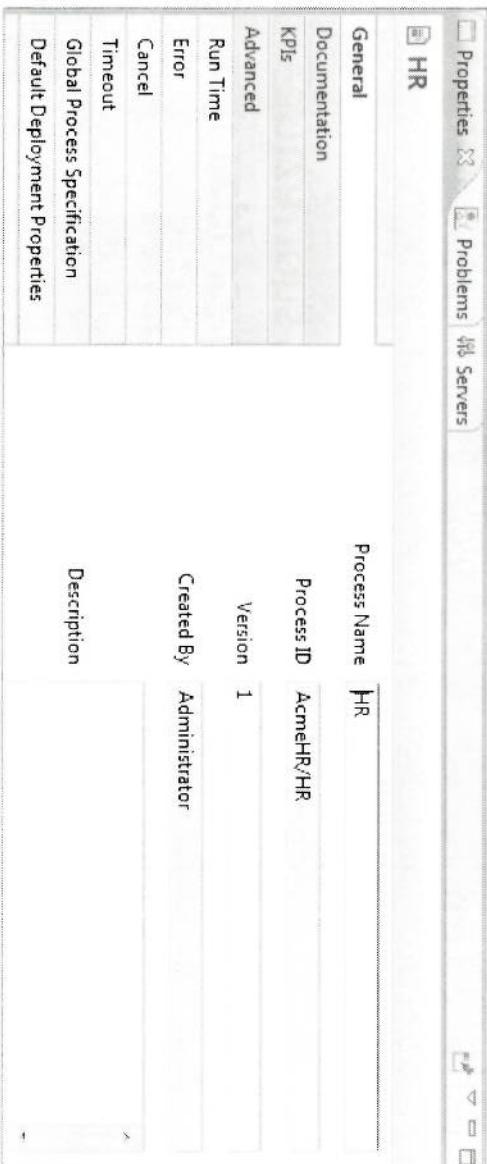
Palette:

- offers BPMN elements grouped in folders
- supports drag & drop as well as click & paste
- can be hidden/shown



Process Elements and Properties

- Each BPMN element on the canvas is configured by selecting the item on the canvas and then clicking on the Properties view
- Properties available to each element differ as appropriate for the element type
 - All elements have a Label property which must be unique for all elements in the same process
 - The process itself also has properties, which are accessed in the Properties view when clicking on a blank part of the canvas



Task Activities

- A Task Activity describes and implements an automated or human-centric unit of work to be performed in a business process.

- Task Activities can be added to the process model in the design canvas and can be connected together.

- Task Activities are categorized by:

- what they do, as specified in their properties
- their function in the process

Available types of BPMN Task Activities are:

- Abstract Task 
- Service Task 
- User Task 
- Manual Task 

Activities are represented by blue rectangles with rounded edges.

- Rule Task 

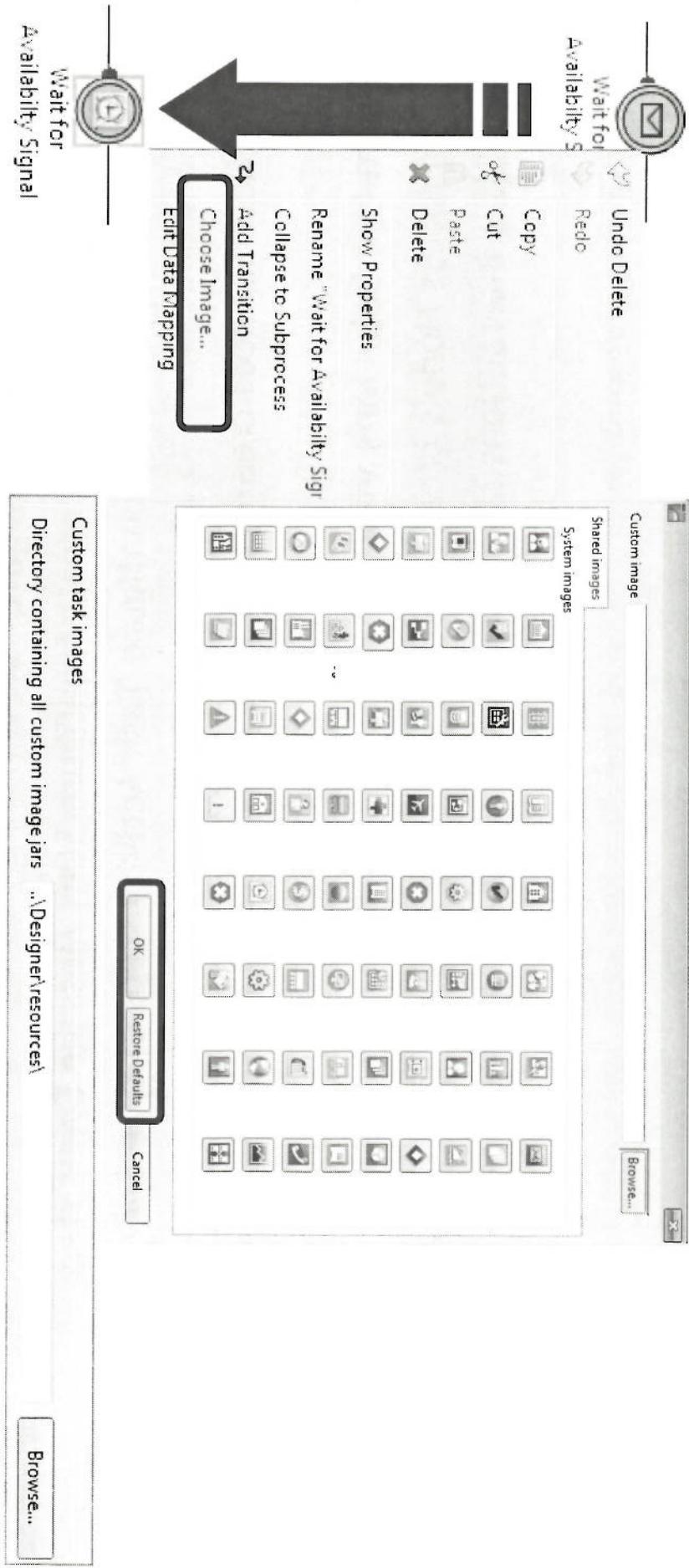
- Send Task 

- Receive Task 

Drag and Drop Development

- From the Package Navigator view
 - IS Document Types create/configure Start Message Event steps
 - IS Services create/configure Task Activity steps of type Service Task and specifically IS Service
 - Rule Services create/configure Activity Tasks of type Rule Task.
- From the Solutions view
 - Process Models create/configure Activity Steps of type Call Activity
 - User interactions create/configure Tasks of type User Task

Events and Images



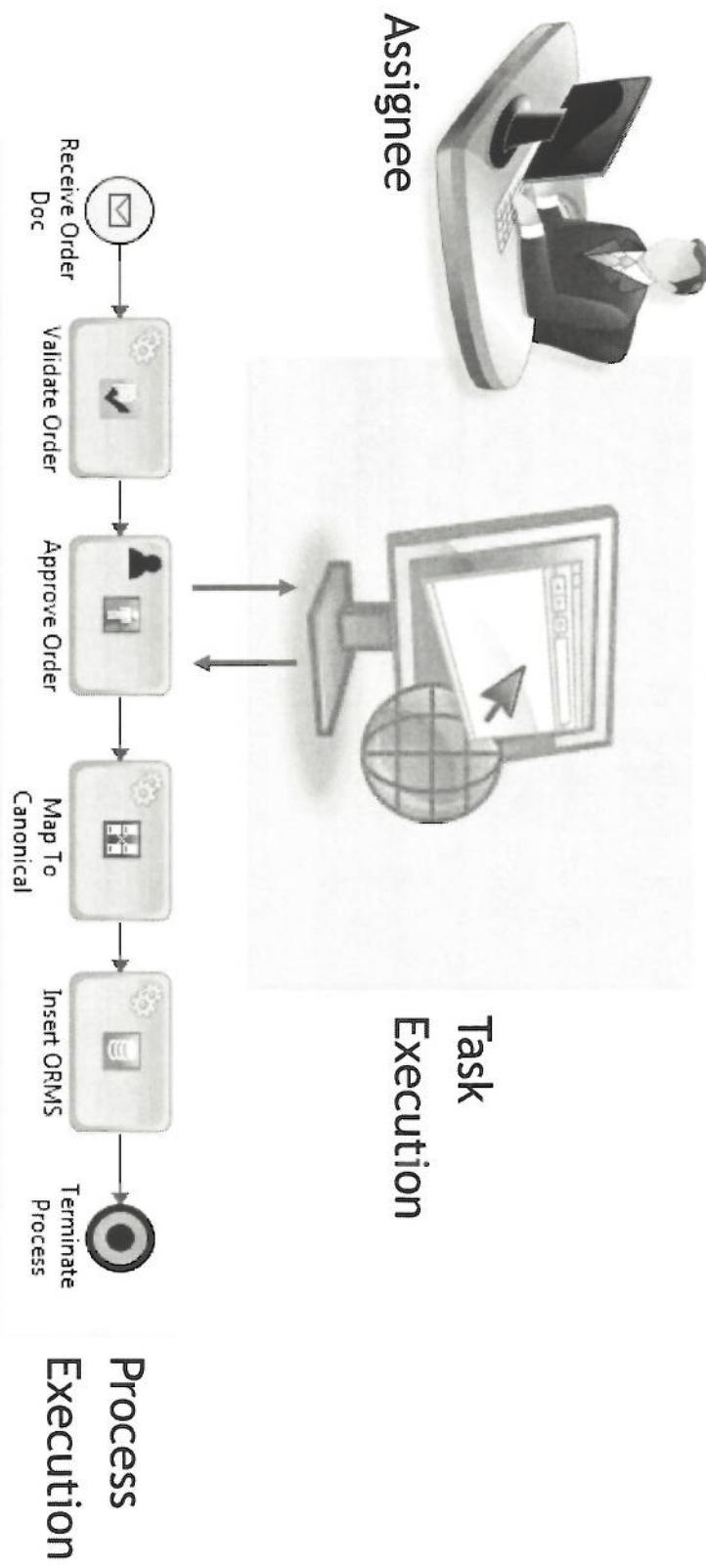
- The icon of all Events (except for Boundary Events) can be overlaid by an image
- Extended Image library and support for custom images (Designer preferences)
- Restore Defaults removes chosen image

Exercise 1

Complete Add Employee Process

Completion Time: 15 minutes

User Task-Oriented BPM



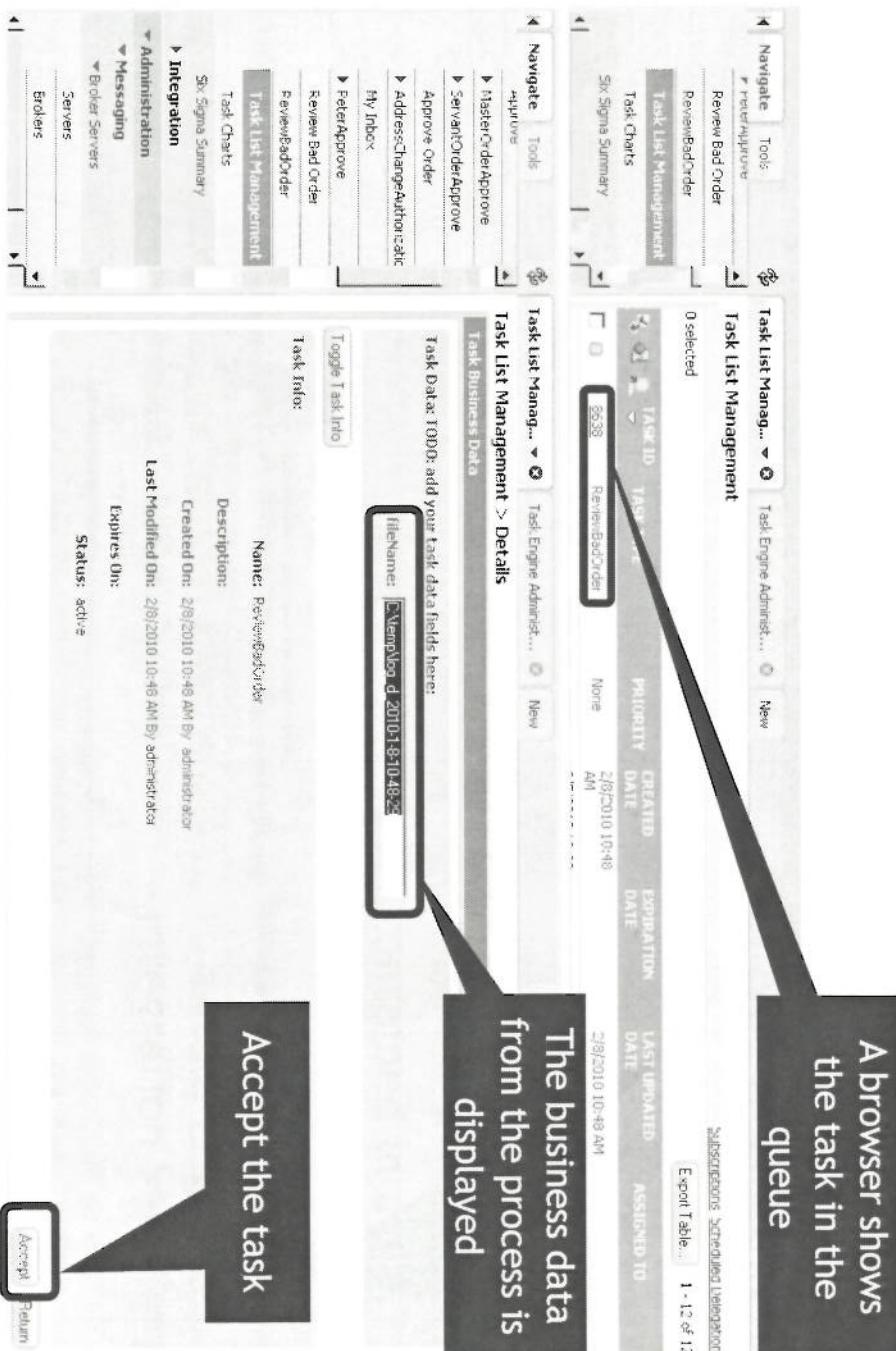
- A key value of BPM is supporting the interaction between automated process steps and steps requiring human interaction performed by an assignee
- Processes interact with human tasks through User or Manual Task Activities

Running Task-Oriented Processes

A browser shows
the task in the
queue

The business data
from the process is
displayed

Accept the task

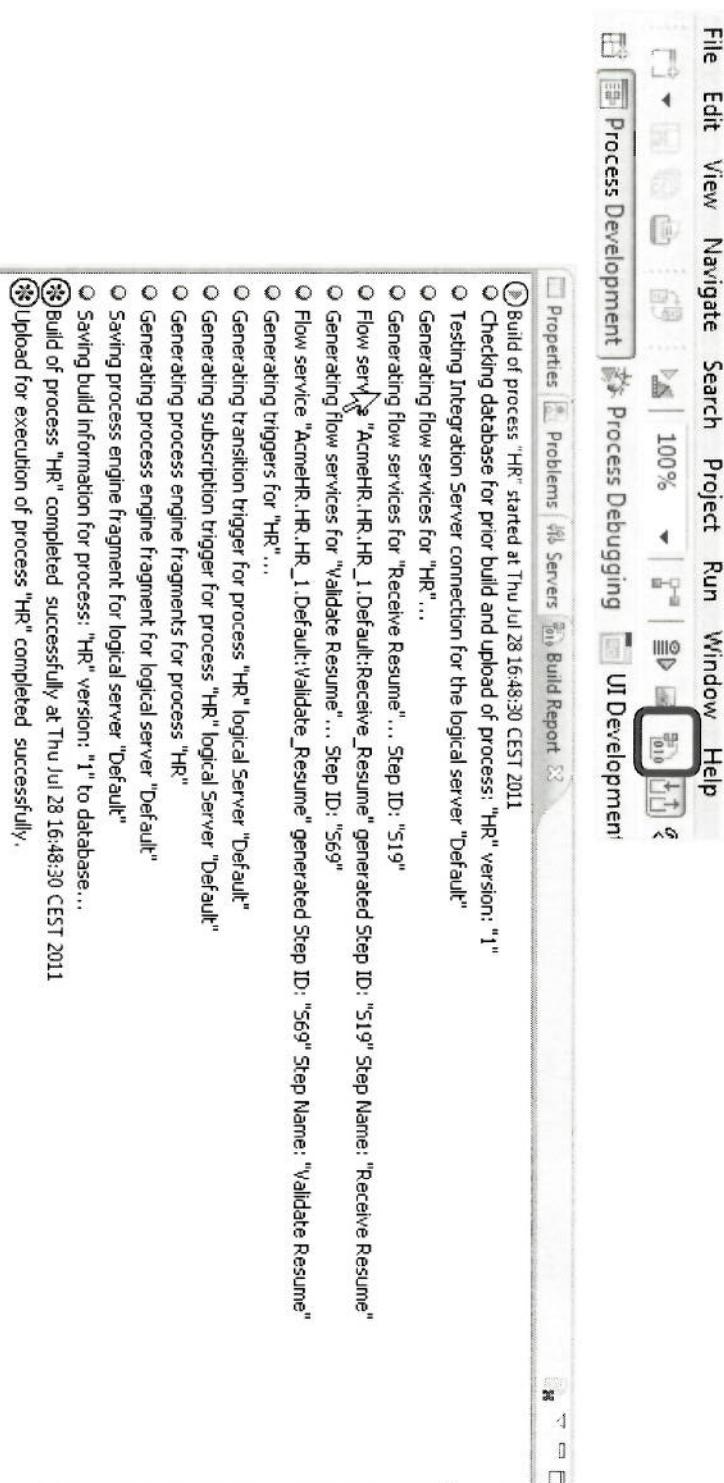


The screenshot shows a web-based application interface for managing tasks. At the top, there's a navigation bar with links like 'Navigate', 'Tools', and 'Review Bad Order'. Below the navigation is a sidebar with categories such as 'Task List Management', 'Task Charts', 'Six Sigma Summary', 'Task Info', and 'Task Info' (repeated). The main area is titled 'Task List Management > Details' and displays a table of tasks. One task is highlighted with a red border: 'ReviewBadOrder' (Task ID: 8538, Priority: 1, Created Date: 2/8/2010 10:48 AM, Expiration Date: 2/9/2010 10:48 AM, Last Updated Date: 2/8/2010 10:48 AM, Assigned To: [redacted]). A tooltip for this task says: 'Task Data: 1000; add your task data fields here.' Below the table, there's a section for 'Task Info' with fields for 'Name' (set to 'ReviewBadOrder'), 'Description' (set to 'Created On: 2/8/2010 10:48 AM By: administrator'), 'Last Modified On: 2/8/2010 10:48 AM By: administrator'), 'Expires On: [redacted]', and 'Status: active'. At the bottom of this section are two buttons: 'Accept' (highlighted with a red border) and 'Return'.

Accepting the task, locks it to you, so no one else can change the same task.

Process Build and Upload...

- Process model must be built and uploaded from Designer
- Building and uploading the process model generates Flow Services and Triggers on the target Integration Server(s)



Starting a Debug Session

Launch the Process Debugger from Designer

- Designer may ask for switching into Process Debugging perspective (if not in)
- Designer may ask for automatically enabling the process model if not yet enabled (depending on Designer preferences)

The model will always start from a

Start Message Event:

- Start Message Event will leverage a document - enter or load the document data

bpmDevSupport.docs.request:OrderRequest
 Enter Input for 'OrderRequest'

Name	
<input type="checkbox"/> purchaseOrderRequest	
<input type="checkbox"/> purchaseOrder	
<input type="checkbox"/> deliverTo	
<input type="checkbox"/> PhysicalAddress	
<input type="checkbox"/> cityName	
<input type="checkbox"/> FreeForm	
<input type="checkbox"/> addressLine1	
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> addressLine2	
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> addressLine3	
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> NationalPostalCode	
<input type="checkbox"/> regionName	
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> postOfficeBoxIdentifier	
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> GlobalLocationIdentifier	
<input type="checkbox"/> GlobalCountryCode	Germany
<input type="checkbox"/> comment	Comments go here
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> packListRequirements	Packing List Requirements
<input type="checkbox"/> FreeFormText	
<input type="checkbox"/> totalCost	6510

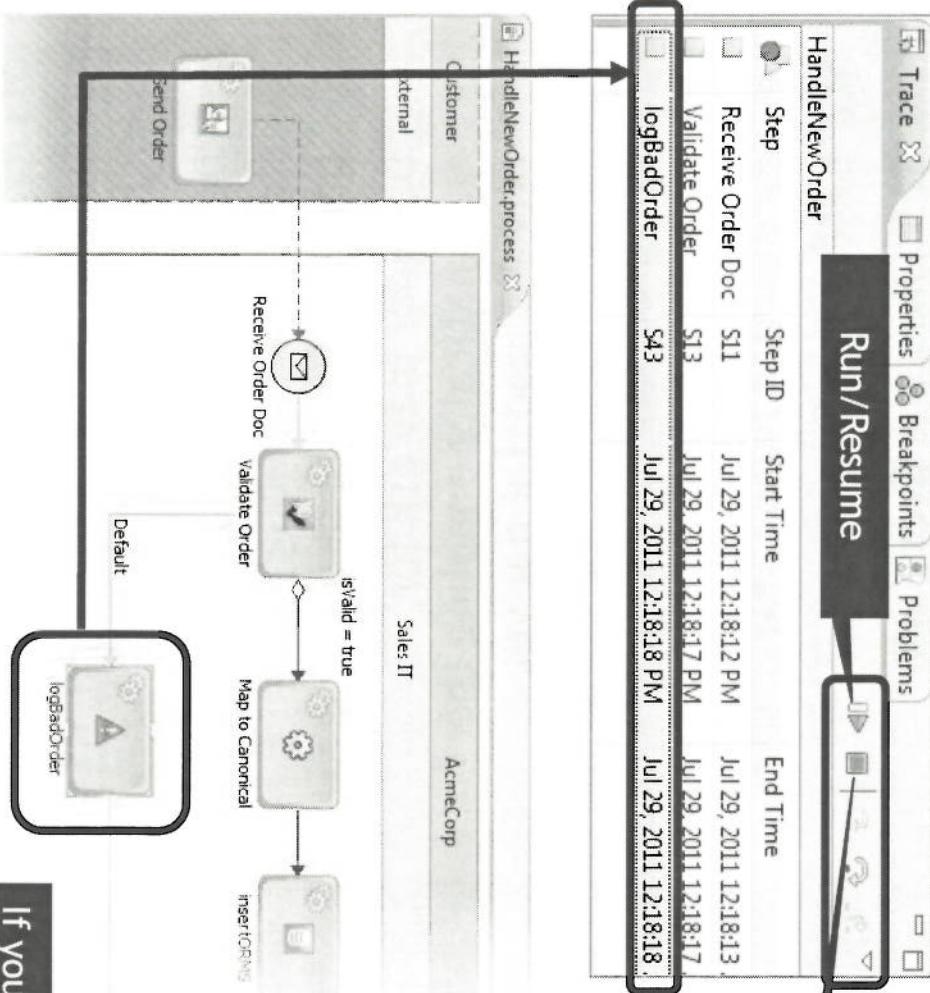
? Load Inputs Save Inputs Clear Inputs OK Cancel

If all required fields are not filled in manually use this check-box to ensure the document validates

Debug Process from Trace View

Execute steps by step

can be modified



Field	Value
deliverTo	
physicalAddress	
cityName	Darmstadt
FreeFormText	Software AG
addressLine1	Unlandstr. 12
FreeFormText	
addressLine2	
FreeFormText	
addressLine3	
FreeFormText	
NationalPostalCode	64297
regionName	
postOfficeBoxIdentifier	
GlobalLocationIdentifier	Germany

If you have an unhandled exception during a debug session, look in the Integration Server log for exception stack trace

Exercise 2

Build, Upload, and Debug AddEmployee

Completion Time: 20 minutes

4

Process Monitoring

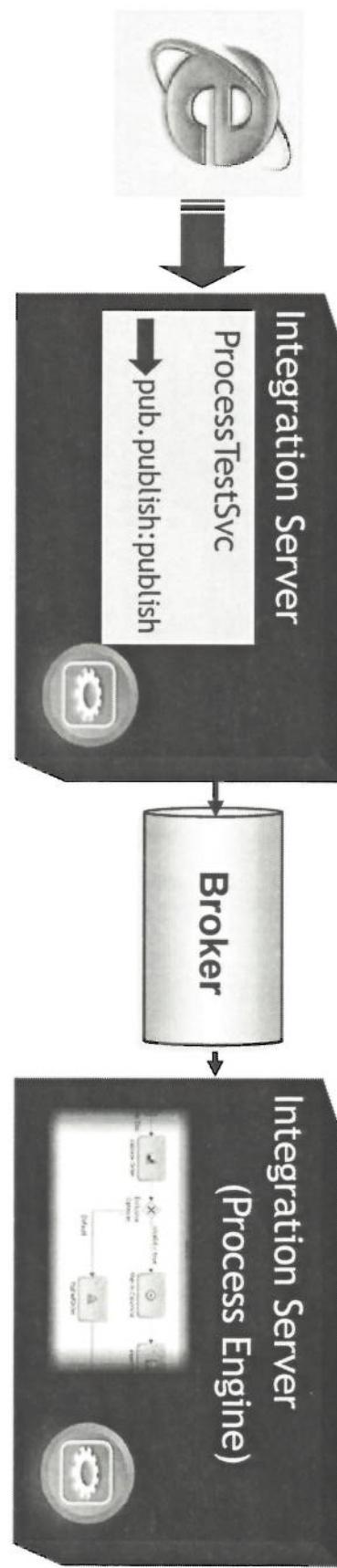
Objectives

At the end of this section, you will be able to:

- Start business processes from a web page
- Monitor business processes

Process Testing - From A Browser

Leverage an IS service that publishes start document to the Broker or the internal Integration Server dispatcher



Monitoring Process Instances...

Use My webMethods to monitor and resubmit process instances



Click magnifying glass to drill down to process instance details

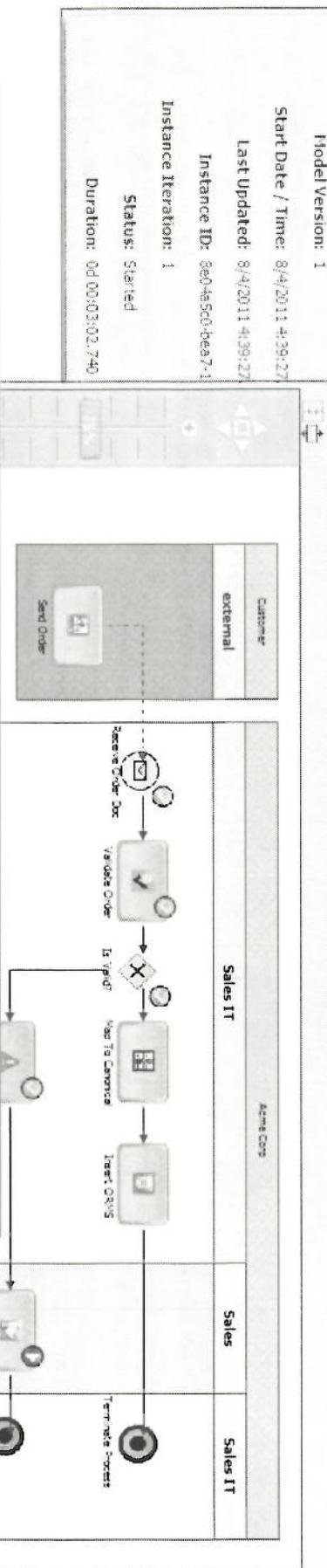
Monitoring Processes Instances

Process Instances > Process Instance Detail

Process Instance Information

Model Version:	1
Start Date / Time:	8/4/2011 4:39:27
Last Updated:	8/4/2011 4:39:27
Instance ID:	8e04a5c0-bea7-1
Instance Iteration:	1
Status:	Started
Duration:	0d 00:03:02.740

Process Diagram



Step Summary

Start Date / Time	Last Updated	Instance Iteration	Step Name	Step Iteration	Loop Iteration	Status	Duration	Referenced Process
8/4/2011 4:39:27.350	8/4/2011 4:39:20.550	1	Review Order	1		Task Queued	0d 00:00:02.300	P
8/4/2011 4:39:27.623	8/4/2011 4:39:27.550	1	Bad Order	1		Completed	0d 00:00:00.227	P
8/4/2011 4:39:27.590	8/4/2011 4:39:27.500	1	Validate Order	1		Completed	0d 00:00:00.010	P
8/4/2011 4:39:27.587	8/4/2011 4:39:27.587	1	Validate Order	1		Started	0d 00:00:00.000	P
8/4/2011 4:39:27.587	8/4/2011 4:39:27.587	1	Validate Order	1		Completed	0d 00:00:00.000	P
8/4/2011 4:39:27.450	8/4/2011 4:39:27.560	1	Receive Order Doc	1		Completed	0d 00:00:00.110	P

Step Status and Actions

- webMethods Monitor displays the status of each step in the process instance:
 - The step is currently running 
 - The step has successfully completed 
 - The step failed 
 - The step is waiting - for example, waiting for a Broker document 
- From the step detail page:
 - Pipeline for that step may be saved to a file
 - Pipeline may be edited before resubmitting the process or step
 - Possibility to restart the process step

Exercise 3

Run & Monitor AddEmployee

Completion Time: *15 minutes*

5

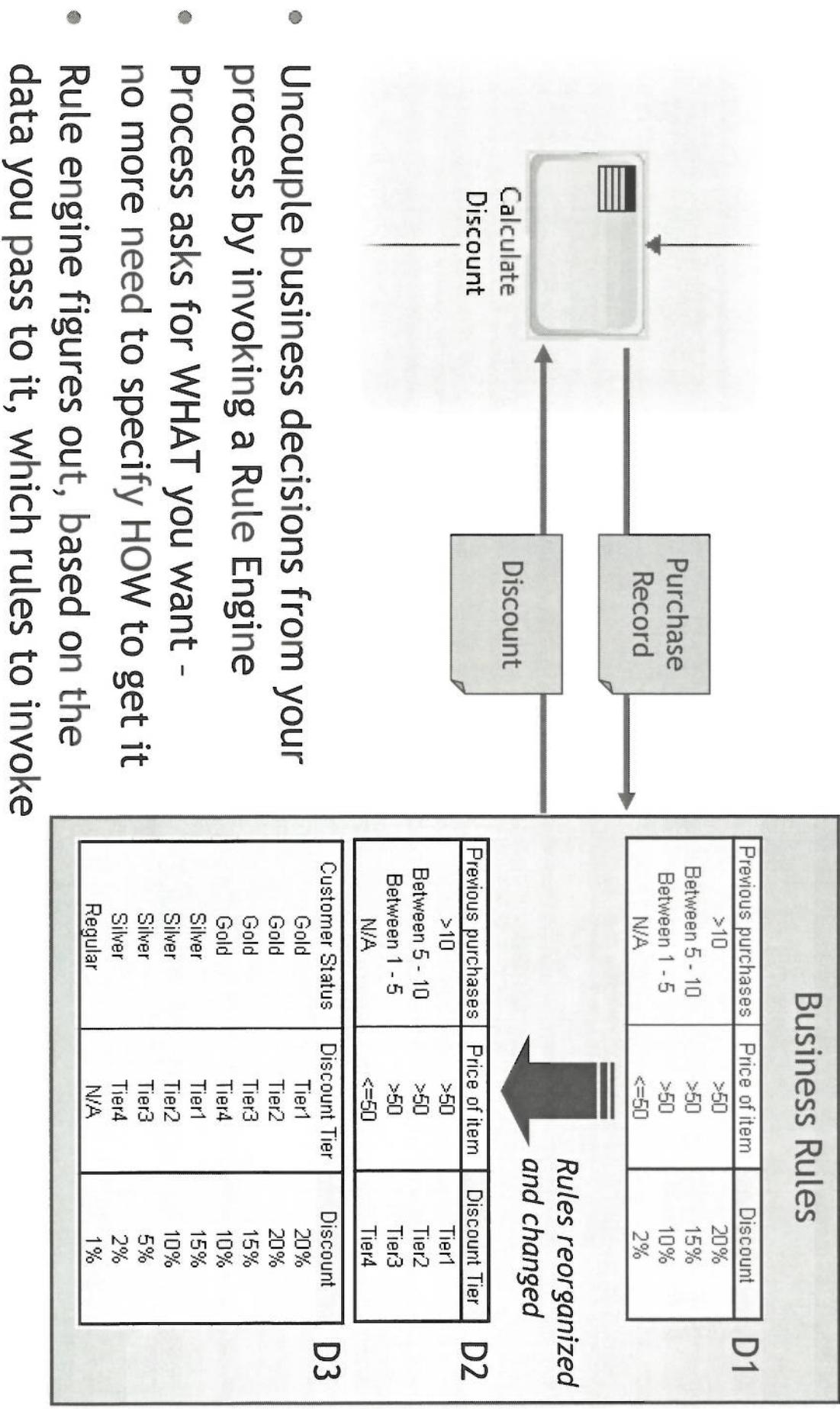
Business Rules and Runtime Deployment

Objectives

At the end of this section, you will be able to:

- Understand the webMethods Business Rules architecture in a webMethods environment
- Perform instant Business Rule modifications using an RMC

Business Rules - Decision Making Flexibility



Decision Tables

The screenshot shows a software interface for managing decision tables. The main window displays a decision table titled "CalculateSalary" with the following data:

Title	YearsOfExperience	Salary
Employee	0 <= ... < 1	= 20000
Employee	1 <= ... < 6	= 25000
Employee	6 <= ... < 11	= 30000
Employee	11 <= ... < 100	= 35000
Manager	0 <= ... < 1	= 50000
Manager	1 <= ... < 6	= 60000
Manager	6 <= ... < 11	= 70000
Manager	11 <= ... < 100	= 80000
Director	0 <= ... < 1	= 100000
Director	1 <= ... < 6	= 120000
Director	6 <= ... < 11	= 140000
Director	11 <= ... < 100	= 160000
Executive	0 <= ... < 1	= 180000
Executive	1 <= ... < 6	= 210000
Executive	6 <= ... < 11	= 240000
Executive	11 <= ... < 100	= 270000

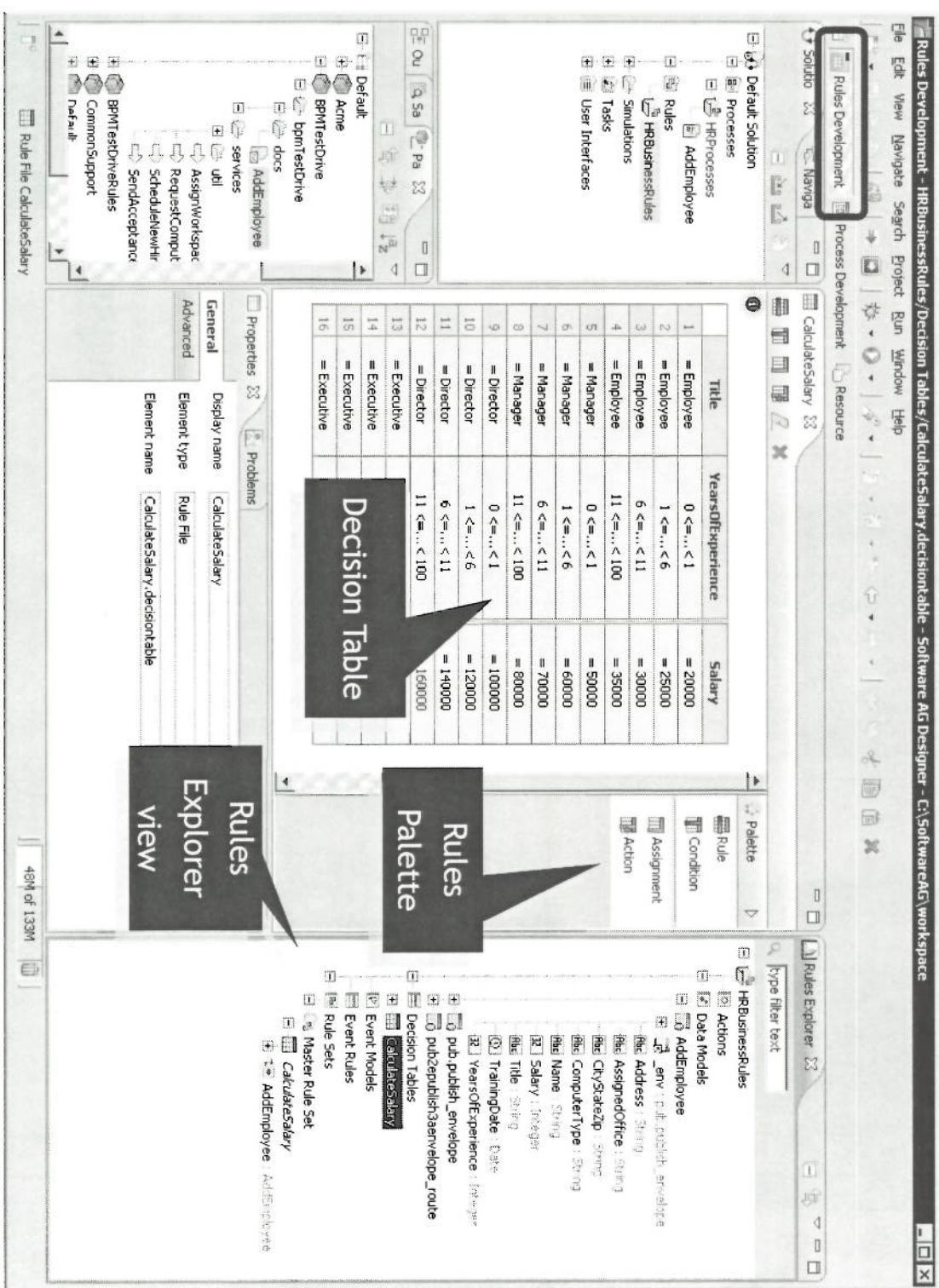
The "Properties" panel on the left shows the following settings for the "CalculateSalary" element:

- Display name: CalculateSalary
- Element type: Rule File
- Element name: CalculateSalary.decisiontable

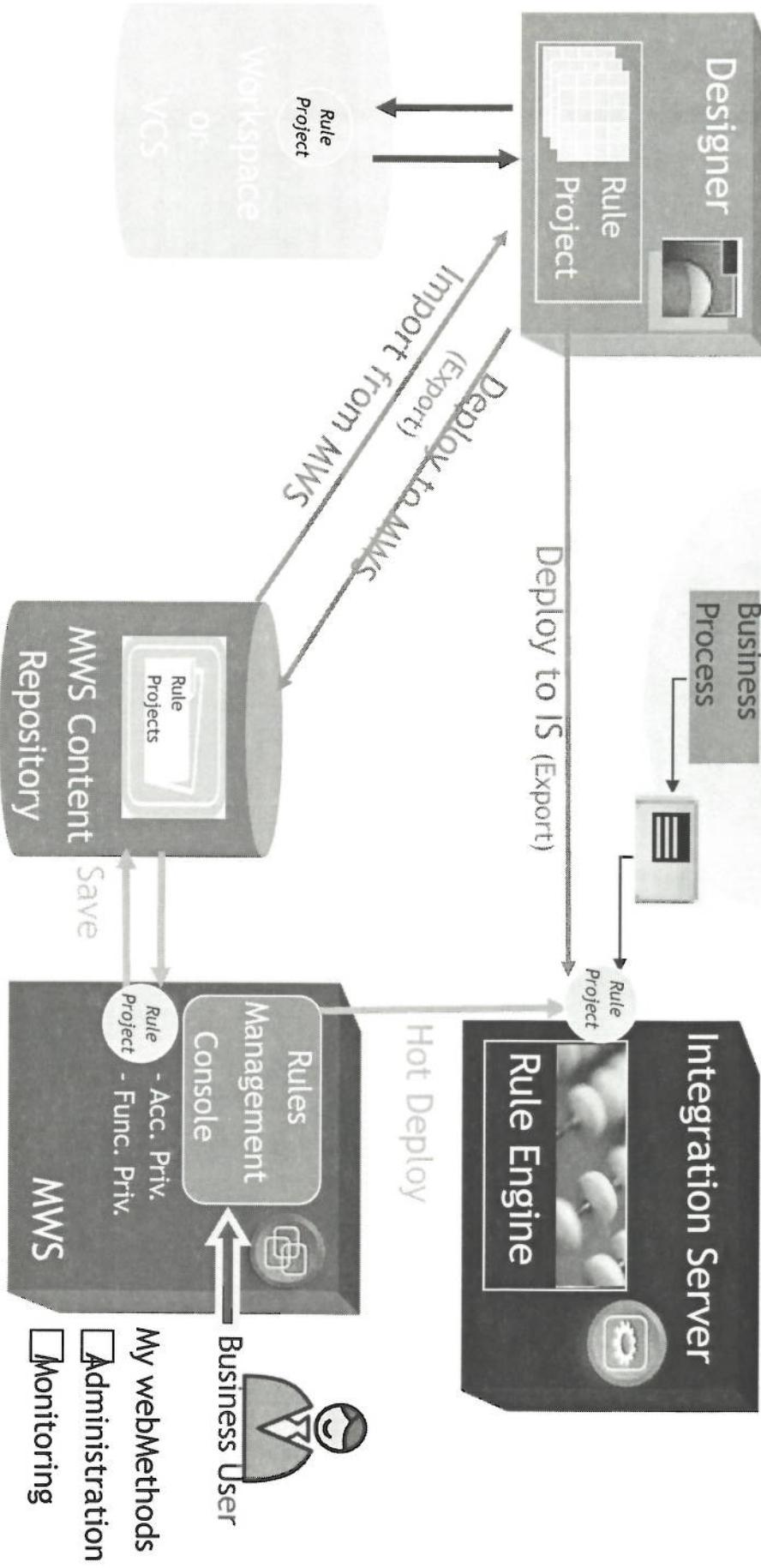
The "Rules Explorer" panel on the right lists various rule-related items, including "AddEmployee", "AssignOffice", "Address", "CityStateZip", "ComputerType", "Name", "Salary", "Title", "TrainingDate", "YearsOfExperience", "pub.publishEnvelope_route", "DecisionTables", "CalculateSalary", "EventModels", "EventRules", "RuleSets", "MasterRuleSet", and "AddEmployee".

- Use when logic is most easily expressed in a tabular format
- Can be either single-axis or double-axis

Rules Development Perspective in Designer

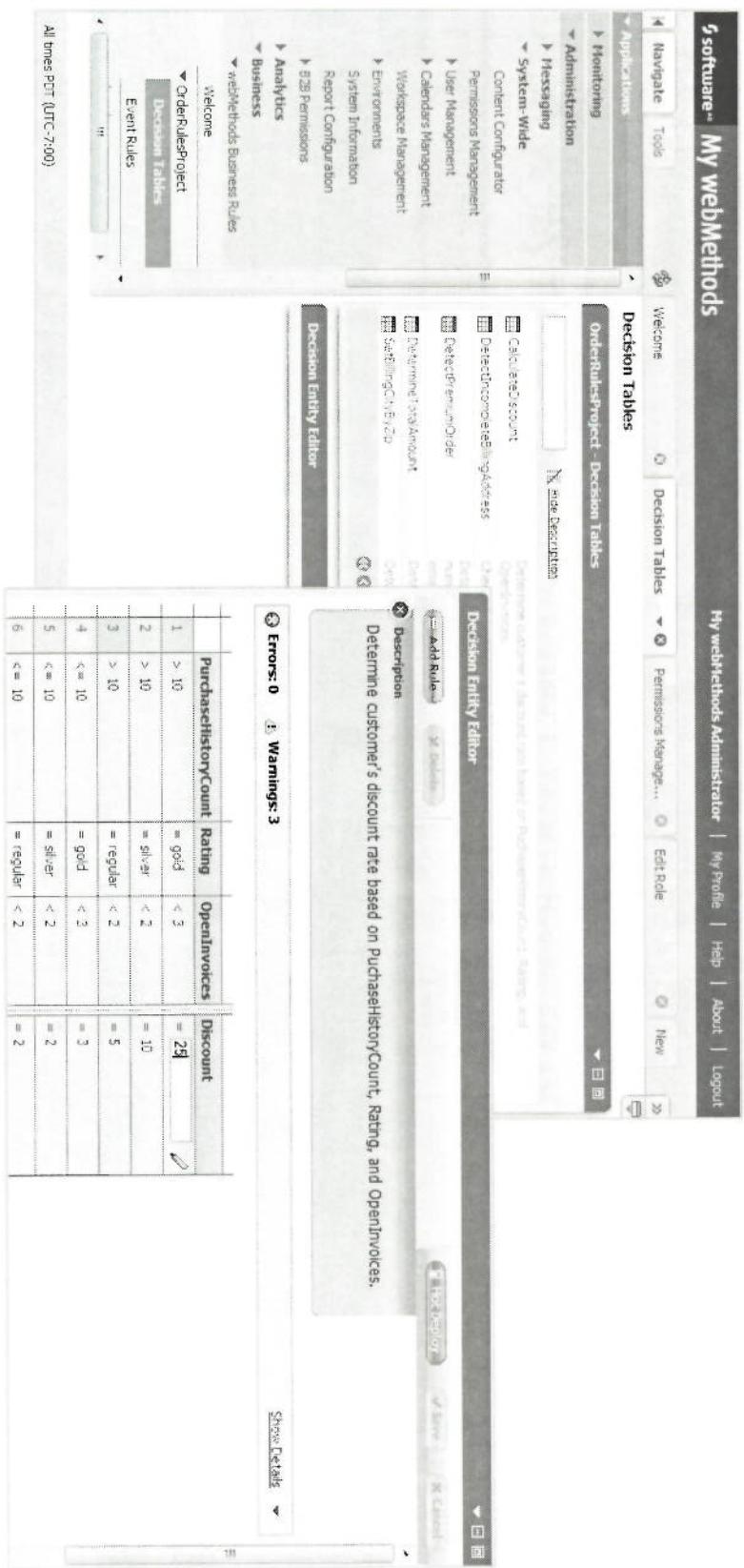


WebMethods Business Rules and BPMS - The Big Picture



Rules Management Console (RMC)

Intended for Business Users to perform dynamic rule modifications in My webMethods

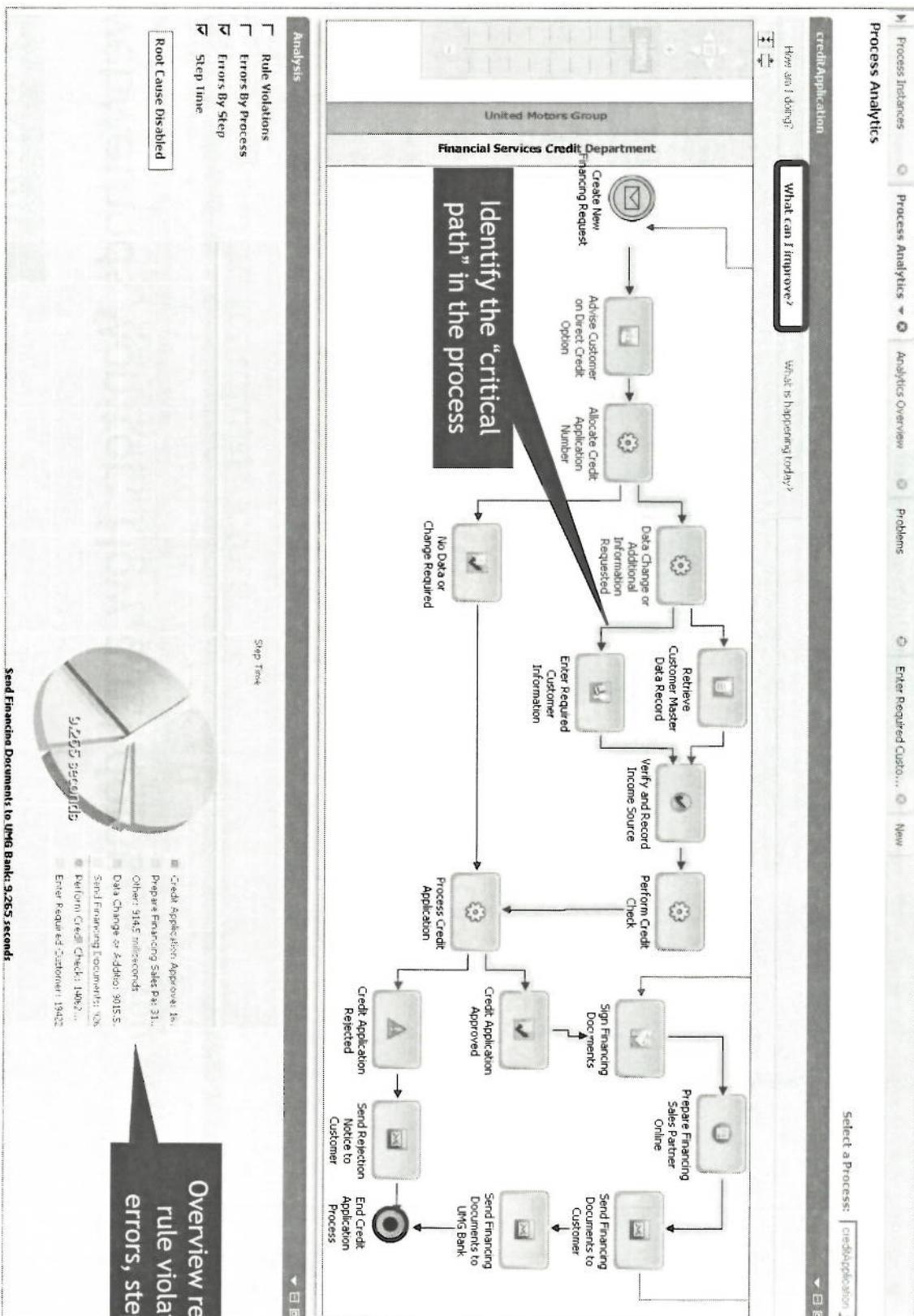


The screenshot shows the RMC interface with the following details:

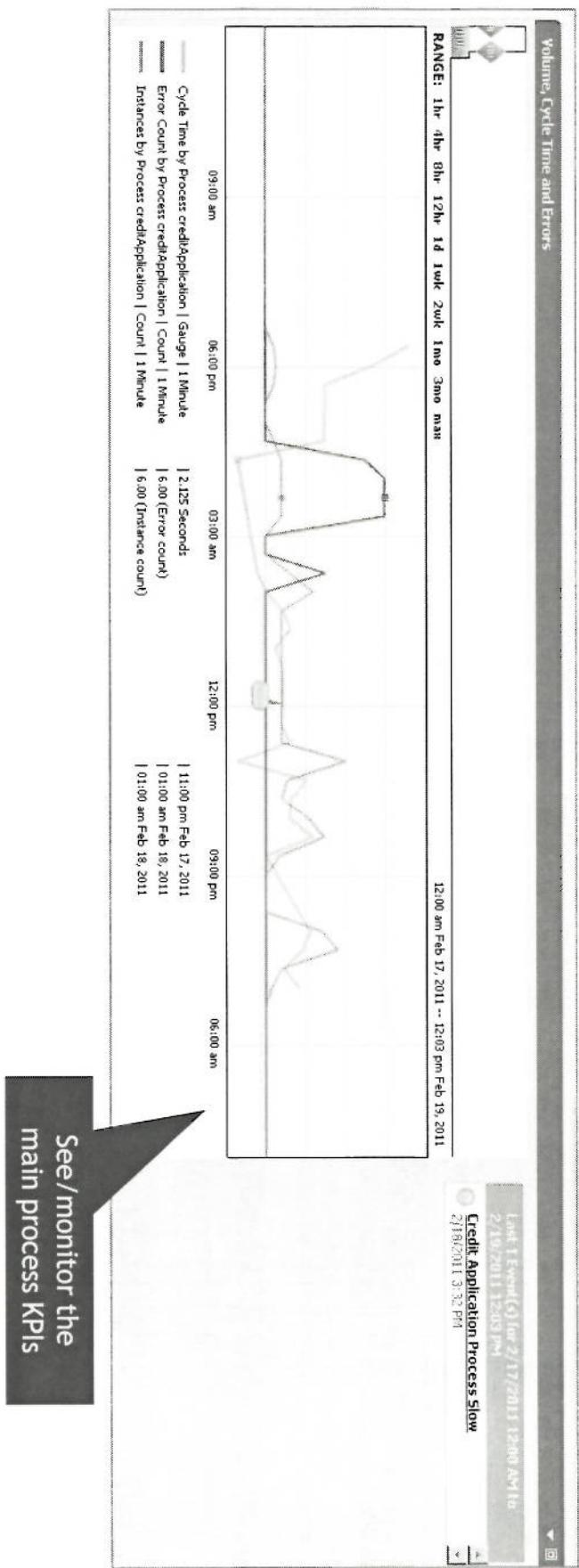
- Header:** My webMethods Administrator | My Profile | Help | About | Logout
- Left Sidebar:**
 - Applications
 - Monitoring
 - Administration
 - Messaging
 - System-Wide
 - User Management
 - Permissions Management
 - Workspaces Management
 - Environments
 - System Information
 - Report Configuration
 - RBAC Permissions
 - Analytics
 - Business
 - MethodBusiness Rules
- Central Area:**
 - Decision Tables** (selected)
 - OrderRulesProject - Decision Tables
 - CalculateDiscount
 - DetermineCustomerDiscount
 - GetCustomerFromOrder
 - DetermineCustomerDiscount
 - SetShippingEnvID
 - Decision Entity Editor** (selected)
 - Description: Determine customer's discount rate based on purchaseHistoryCount, Rating, and OpenInvoices.
 - Add Rule... (button)
 - Save (button)
 - Cancel (button)
- Bottom Status:** Errors: 0 | Warnings: 3

- Rules Management Console (RMC) available in MWS Administration
- Perform Rule modifications and save them to workspace or VCS

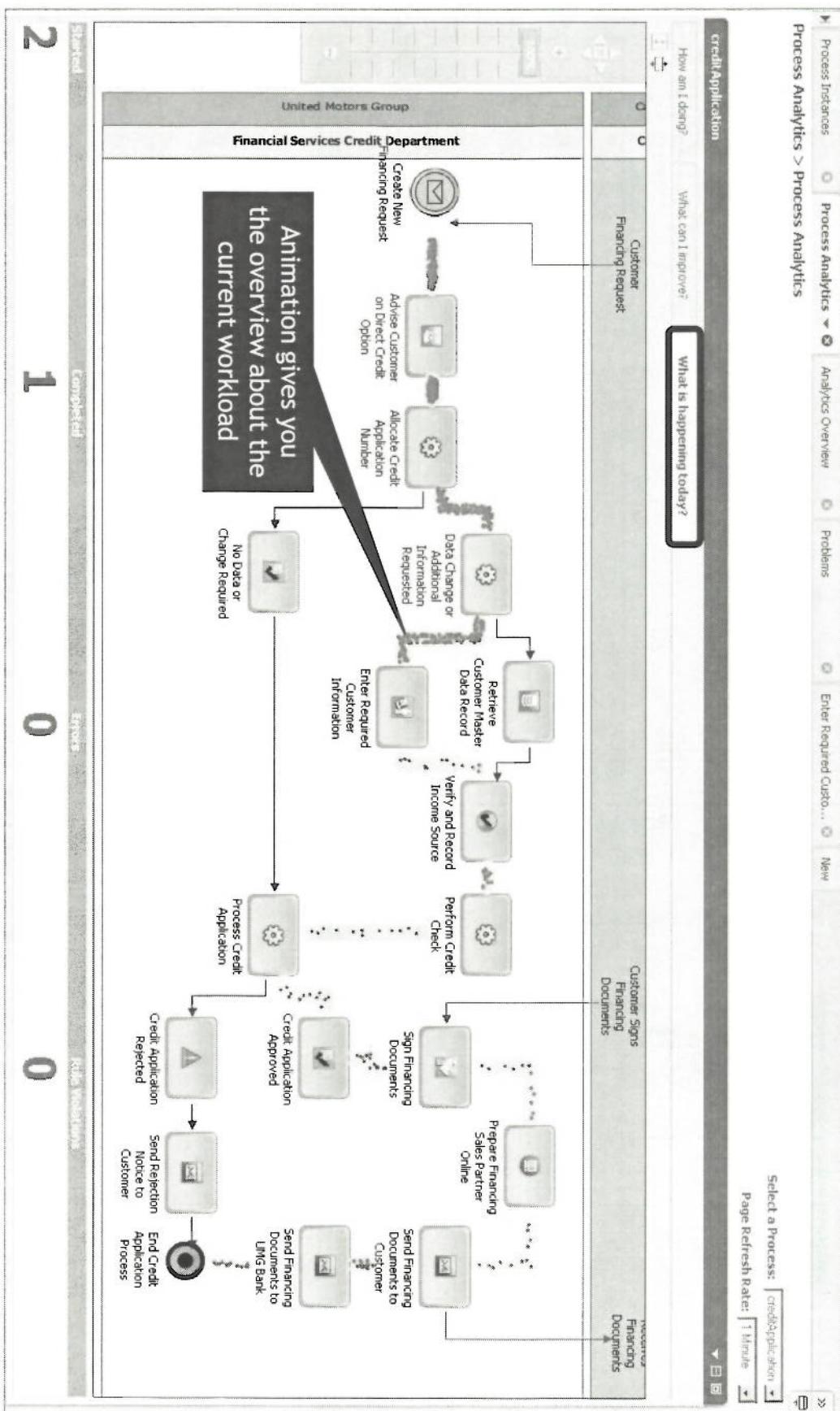
webMethods Monitor: What can I improve?



...WebMethods Monitor: What can I improve?



webMethods Monitor: What is happening today?



Exercise 5

View Aggregated Statistics

Completion Time: *20 minutes*

Certification

- Our certification programs establish standards for knowledge and skills necessary to successfully implement mission-critical IT systems using Software AG technology.

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<http://communities.softwareag.com>

- Contact our Support web site at

<http://empower.softwareag.com>

- Discuss product and feature ideas at

<http://brainstorm.softwareag.com>

Thank you

Questions and Comments

Thank you!

Please don't forget to complete a course evaluation.

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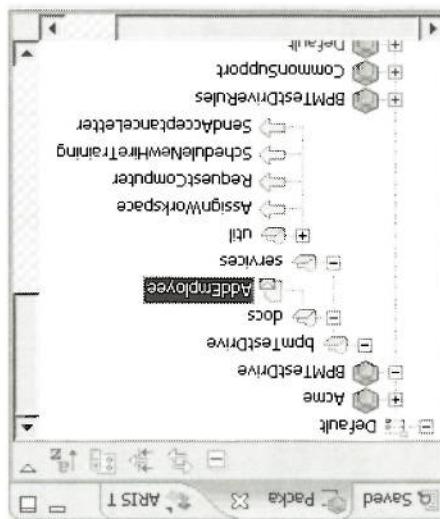
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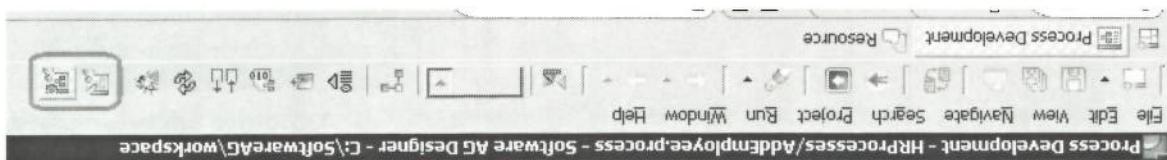
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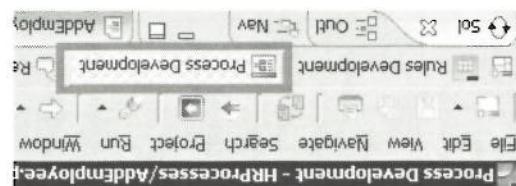


5. In Designer, in the Package Navigator view in the lower left panel, expand the **BPMTestdrive** --> **bpmTestdrive** --> **docs** and **services** folders.
- click on the process **AddEmployee**.

4. In the Solutions view, expand Default Solution -> Processes -> HR Processes, and double



3. Be sure you're in the "Process Developer" role as well. From the top toolbar locate the following icons, and be sure the one to the right is pressed.



2. Within Designer, confirm that you are in Process Development perspective. If not, go to Window -> Open Perspective -> Other -> Process Development to open it.

1. Open Designer by selecting Start Menu -> Programs -> Software AG -> Tools -> Software AG Designer 8.2.

Steps

In this exercise, you will complete an existing AddEmployee process model and associate the steps with their implementation.

Overview

Exercise 1:

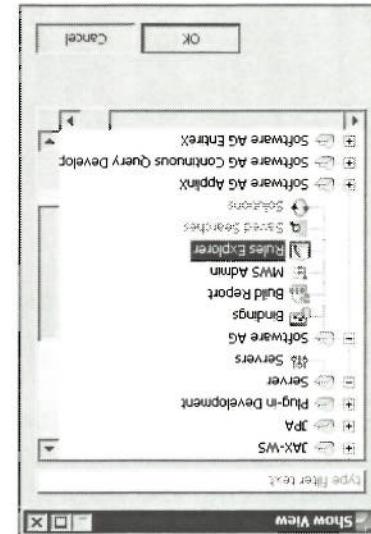
Complete Add Employee Process

- them ON TOP OF the following steps in the AddEmployee process model:
- From a time, drag and drop the following assets from the Package Navigator view and drop them ON TOP OF the following steps in the AddEmployee process model:

Step	Asset
1. BPMTestdrive -> bpmTestdrive -> docs -> AddEmployee	Receive AddEmployee Document
2. BPMTestdrive -> bpmTestdrive -> services -> ScheduleNewHireTraining	Schedule New Hire Training
3. BPMTestdrive -> bpmTestdrive -> services -> AssignWorkspace	Assign Workspace
4. BPMTestdrive -> bpmTestdrive -> services -> RequestComputer	Request Computer
5. BPMTestdrive -> bpmTestdrive -> services -> SendAcceptanceLetter	Send Acceptance Letter

- From the Solutions view, drag and drop Default Solution -> Tasks -> HTasks -> ReviewEmployeeData ON TOP OF the Review Employee step in the AddEmployee process model editor.

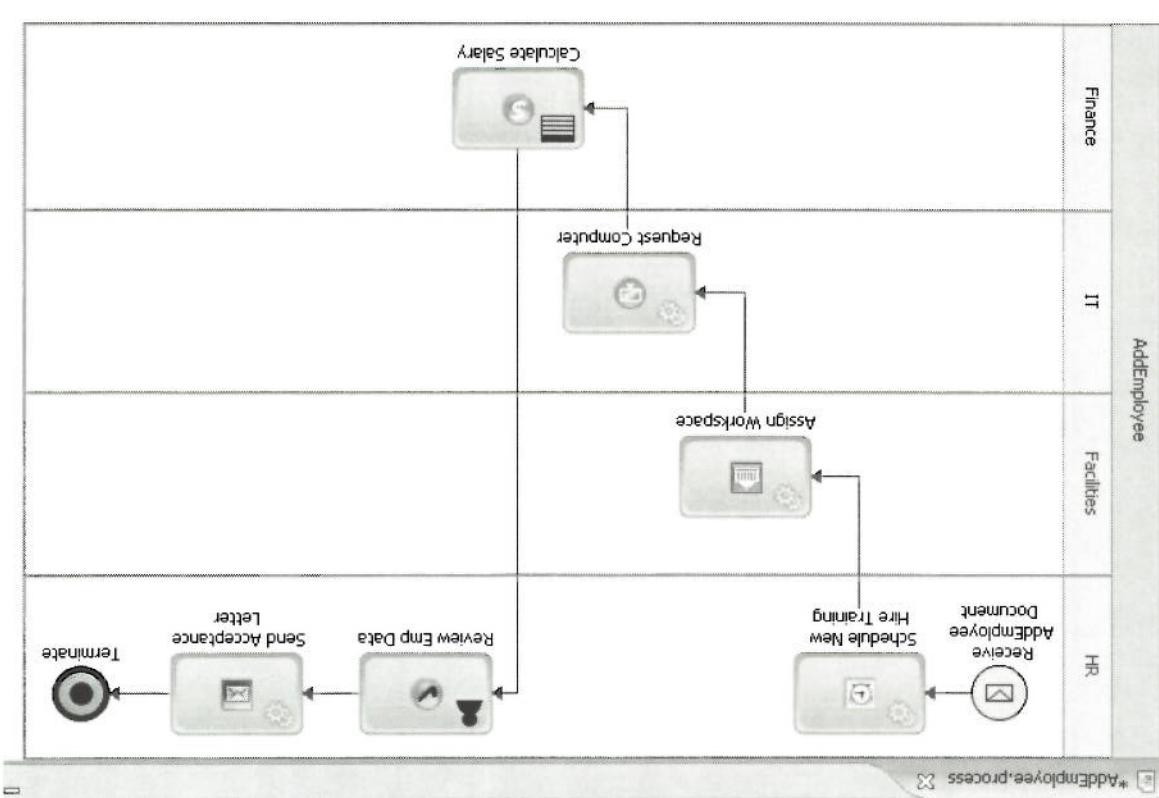
- Open the Rules Explorer view. Go to Window -> Show View -> Other -> Software AG (folder) -> Rules Explorer.



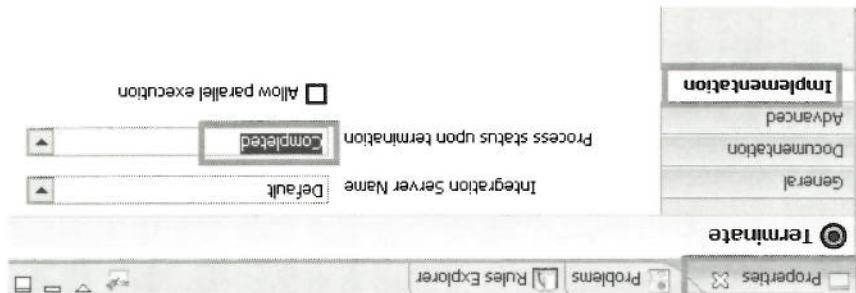
- From the Rules Explorer, expand the Decision Tables section, then drag-n-drop the CalculateSalary decision table on top of the Calculate Salary step in the business process.

mode.

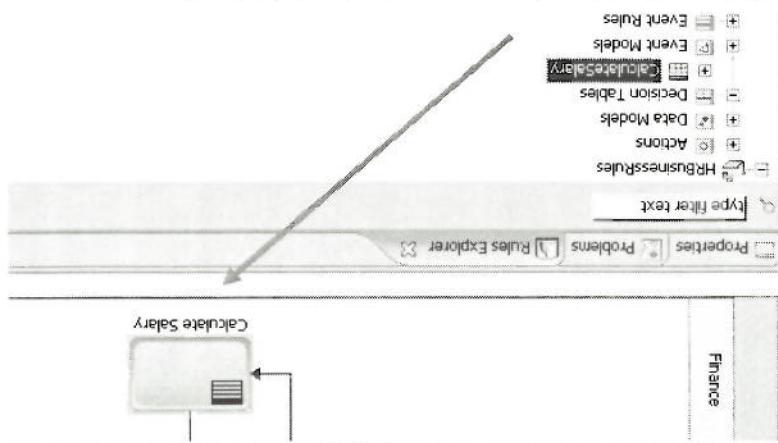
12. Click the Save toolbar button  to save your work.



11. Right-click on each step except for the first and last ones, select Choose Image... from the context menu, and select the appropriate image according to the following screen shot:

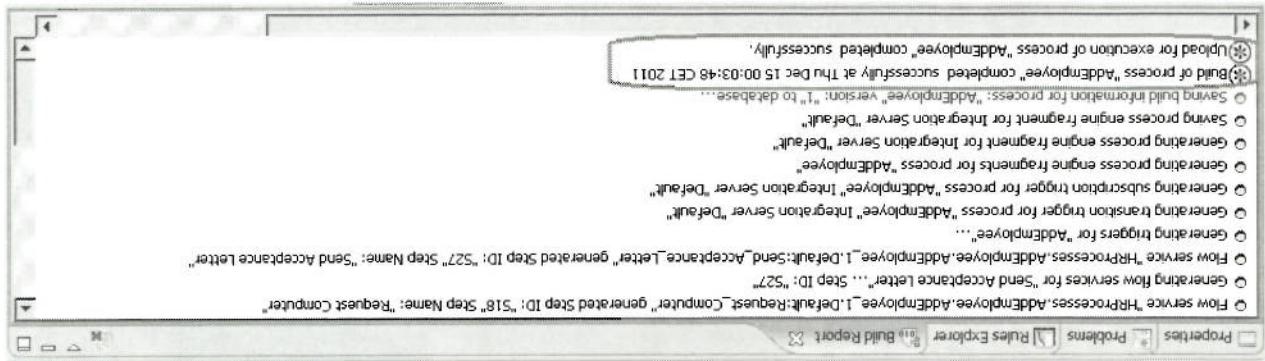


10. Click on the Terminate step in the AddEmployee process model editor to select it. From the Properties view, select the Implementation side tab and set the Process Status Upon termination field to Completed.



This page left intentionally blank.

1. In Designer, with the AddEmployee process model open, click on the Build and Upload toolbar button . If the button is not enabled then click on the AddEmployee execution toolbar button . If the button is not enabled then click on the AddEmployee editor tab. Click Yes to the pop-up window that asks Automatically enable process for execution after build/upload. Confirm that the process has successfully uploaded from the Build Report view:

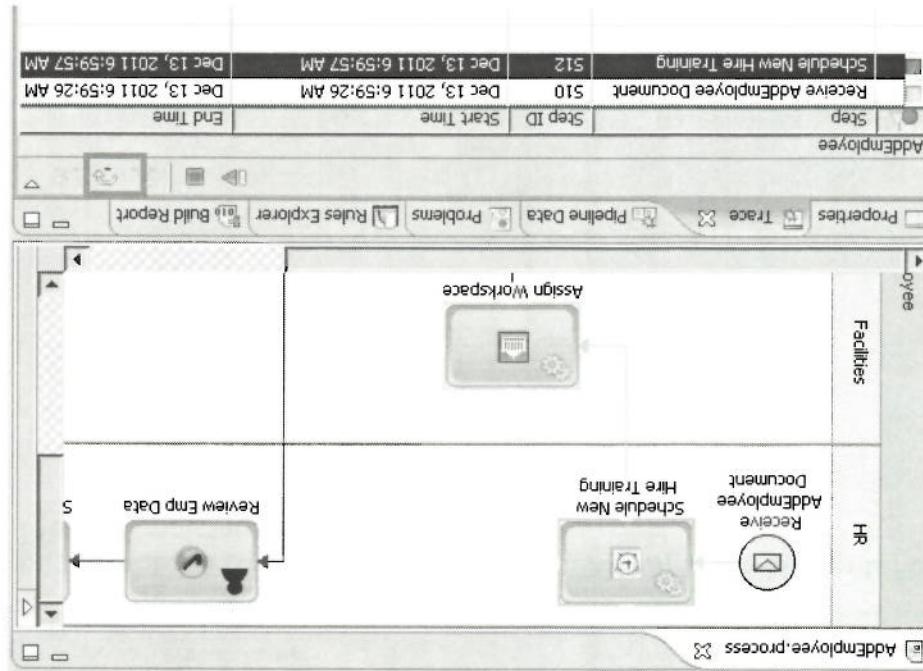


Steps

- In this exercise, you will create the runtime assets to support the AddEmployee process model by building and uploading it. You will then debug and run the process from within Designer.
1. In Designer, with the AddEmployee process model open, click on the Build and Upload toolbar button . If the button is not enabled then click on the AddEmployee execution toolbar button . If the button is not enabled then click on the AddEmployee editor tab. Click Yes to the pop-up window that asks Automatically enable process for execution after build/upload. Confirm that the process has successfully uploaded from the Build Report view:

Review

Exercise 2: Build, Upload, and Debug AddEmployee



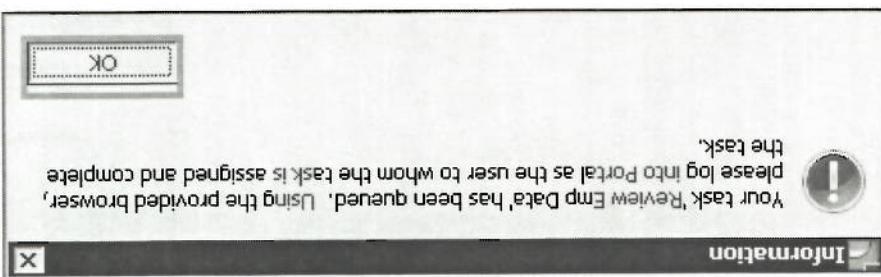
4. Click on the Step Over button at the top of the Trace view until an information dialog appears (click: 5 times) that states the new task has been enqueued. Click the OK button.

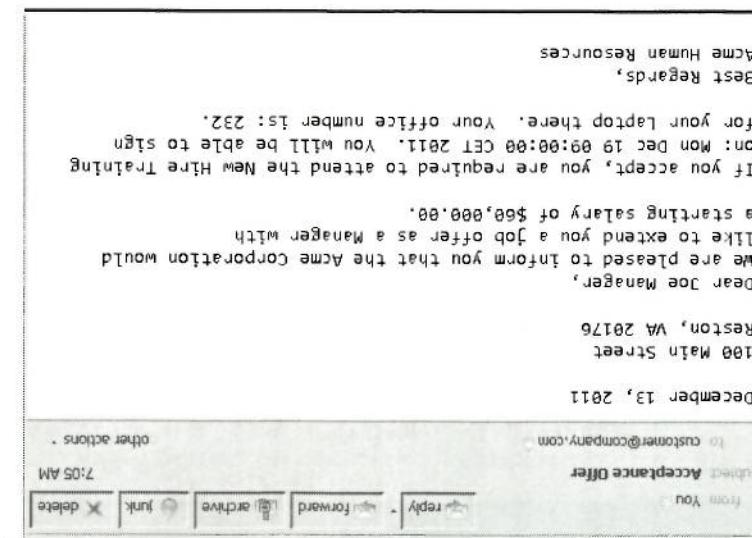


3. In the Enter Input for 'AddEmployee' dialog, click on the Load... button. Navigate and select C:\Training\BPM Test Drive\Debug\AddEmployee.xml, and click the Open button. Click the OK button to start an instance of the AddEmployee process model.

- the email should look like this (except for the dates):
- AddEmployee@company.com inbox that was sent by the Send Acceptance Letter step in your AddEmployee process. Read the email and confirm that the data is what was shown in the task details when you clicked the Complete button. If you didn't modify any of the data, it asks for a password, type manage (possibly x3). You should see an email in the customer@company.com inbox that was sent by the Send Acceptance Letter step in the AddEmployee process.
9. Go to and click Start Menu -> All Programs -> Mozilla Thunderbird -> Mozilla Thunderbird.
- If it asks for a password, type manage (possibly x3).
9. Go to and click Start Menu -> All Programs -> Mozilla Thunderbird -> Mozilla Thunderbird.
- Completes after executing the Terminate step.
- click the Step Over button 3 more times to finish the debugging session (the process completes after executing the Terminate step).
8. You should be directed back to the Trace view (click on the AddEmployee process tab) and page to complete the task.
- of the data displayed and when you are done click Complete button at the bottom of the Task Details page, scroll down and click the Accept button. Feel free to modify any of the data displayed and when you are done click the Accept button. Once there, scroll down until you see the newly created task and click on the Task ID link:
7. In the Task Details page, scroll down and click the Accept button. Feel free to modify any of the data displayed and when you are done click the Accept button at the bottom of the Task Details page to complete the task.
8. You should be directed back to the Trace view (click on the AddEmployee process tab) and page to complete the task.
9. Go to and click Start Menu -> All Programs -> Mozilla Thunderbird -> Mozilla Thunderbird.

6. You will be automatically directed to the Task List Management page. Once there, scroll down until you see the newly created task and click on the Task ID link:
5. In the browser tab that appears, enter Administrator for the User Name: field, manage for the Password: field, and click Login to sign in to the MWS Admin Console.
6. You will be automatically directed to the Task List Management page. Once there, scroll down until you see the newly created task and click on the Task ID link:





5. Scroll down and click the Accept button, then scroll down and click the Complete button.
- that another tab gets opened to show the inbox. Select the top row's Task ID's link.
- because the Administrator user is part of the My webMethods Users role. Within the same browser, navigate to Applications -> Monitoring -> Business -> Tasks -> My inbox. Notice because each task has been setup to automatically be assigned to anyone in the My webMethods Users role, the Administrator user should be able to see it in their inbox.
4. Since each task has been setup to automatically be assigned to anyone in the My Summary section. This is because the task is still waiting to be completed.
3. Confirm that the Review Emp Data step has a status of Task Queued from the Step

Last Updated	Start / End	Name	Version	Status	Duration	Detail
12/13/2011 12:11:02:113	12/13/2011 12:11:02:113	AddEmployee 1	b3a2b3a0-35f1-11e1-8a3e-363ea88c26	Completed	0d 00:01:12.210	Detail
12/13/2011 12:11:02:113	12/13/2011 12:11:02:113	AddEmployee 2	ba3e-363ea88c26	Started	0d 00:00:00.000	Detail

- crohnological order so the newest process instance is always at the top.
- to the far right of the topmost row. The rows are sorted by Last Updated date in reverse chronological order so the newest process instance is always at the top.
- confirm that the new process has a status of Started, and click the magnifying glass icon to the far right of the topmost row. The rows are sorted by Last Updated date in reverse chronological order so the newest process instance is always at the top.
- > Business -> Processes Instances. In the left menu bar, select Applications -> Monitoring - you're in the Navigate tab, then from the left menu, Login as Administrator/manage. Be sure the My webMethods toolbar shortcut button. Login as Administrator/manage. Be sure
2. Confirm that a new instance of the process was created by opening a browser and clicking step).
- AddEmployee document (remember this document is configured on your process Receive AddEmployee that will kick off a new instance of the AddEmployee process by publishing an Server that will start a new instance of the AddEmployee process by publishing an
- Default credentials: Administrator | manage. Click the Submit button. Click OK to login with the Drive\SubmitAddEmployee.html. Click the Submit button. Click OK to login with the
1. From Windows Explorer, navigate to and double-click C:\Training\BPM Test

Steps

In this exercise, you will start a new instance of the AddEmployee process by submitting a web page then you will monitor it using the MWS Admin Console.

Overview

Run & Monitor AddEmployee

Exercise 3:

6. Click on the tab to the left of the current tab in your browser with the title: **Process Instances**. You should see that your process instance **Status** is now **Completed**. (if the process does not show as Completed click the **Search** button to refresh the page) Drill down into it to confirm by selecting the magnifying glass icon again.

- goes well you'll see a message stating that deployment of the new rule was successful:
- Next, click the **Hot Deploy** () button. Accept the confirmation message. If all click anywhere in the white space next to the table. Then click the **Save** () button.
 - value of 20,000 to 10,000. When you're done editing the cell, use your mouse and left-click in the **Salary** cell for the **Employee** with 0 <= YearsOfExperience <=1. Change the

- open the editor view just below.
- In the **Decision Tables** page, click **CalculateSalary** in the **Decision Entity Editor**. This will open the editor view just below.
 - In the **Decision Tables** page, click **CalculateSalary** in the **Decision Entity Editor**. This will open the editor view just below.

Steps

In this exercise, you will view the Calculate Salary business rule that is associated with the Calculate Salary step in the AddEmployee process. You will then confirm that your change is immediately effective by starting another instance of the AddEmployee process.

Overview

Modify & Deploy Rules at Runtime

Exercise 4:

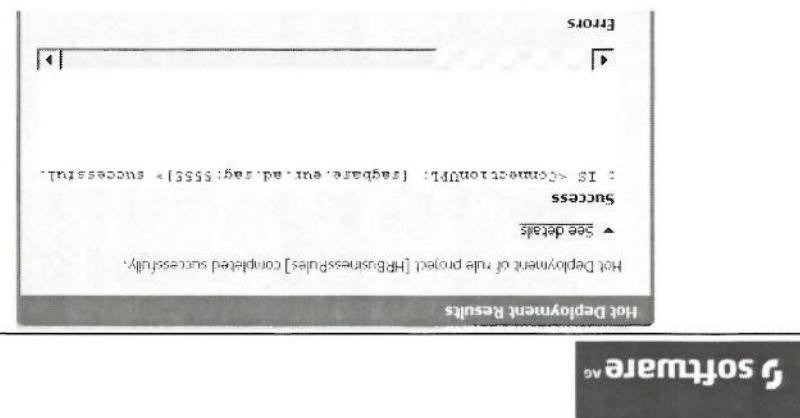
AddEmployee:

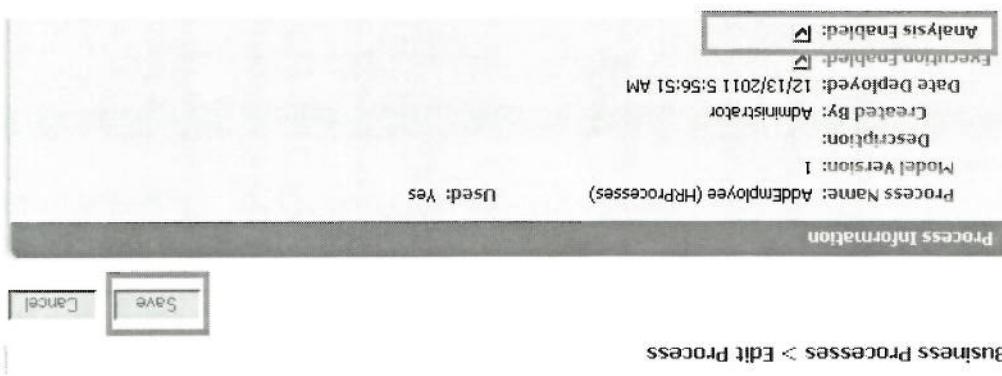
Name:	John Doe
Address:	100 Main Street
CityStateZip:	Reston, VA 20176
Title:	Employee
YearsOfExperience:	0
Salary:	\$10,000.00
AssigneeOffice:	158
TrainingDate:	5/24/2010
Time:	09 : 00 AM
ComputerType:	Desktop

My Inbox > Details

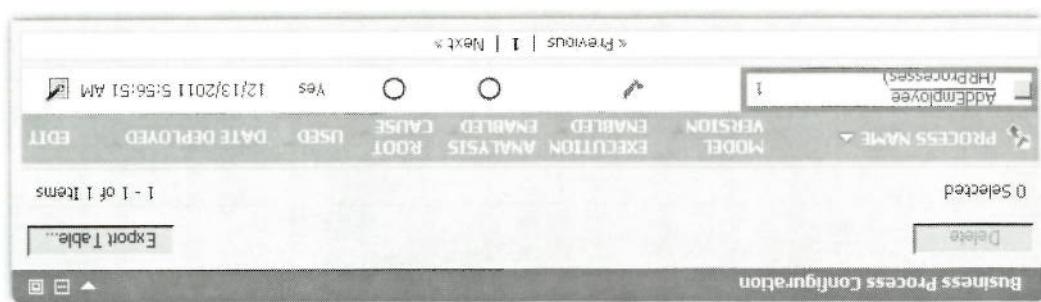
Data View Details View Audit View Comments Collaboration

6. Logout to the MWS Admin Console as Administrator/manage, navigate to Applications -> Monitoring -> Businesses -> Tasks -> My Inbox, and select the newly created task by clicking on the Task ID link in the top row. The Administrator's inbox has been sorted by Last Updated Date in descending order so the newest task will appear at the top. Notice that the Salary calculated by the updated and deployed rule now evaluates to \$10,000.00.
7. Submit another AddEmployee process instance by double-clicking C:\Training\BPM Test Drive\SubmitEmployee.htm to open it. Confirm that Position is Employee and Experience is 0, and select the Submit button.





2. In the Process Information section check the Analytics Enabled checkbox and click the Save button.



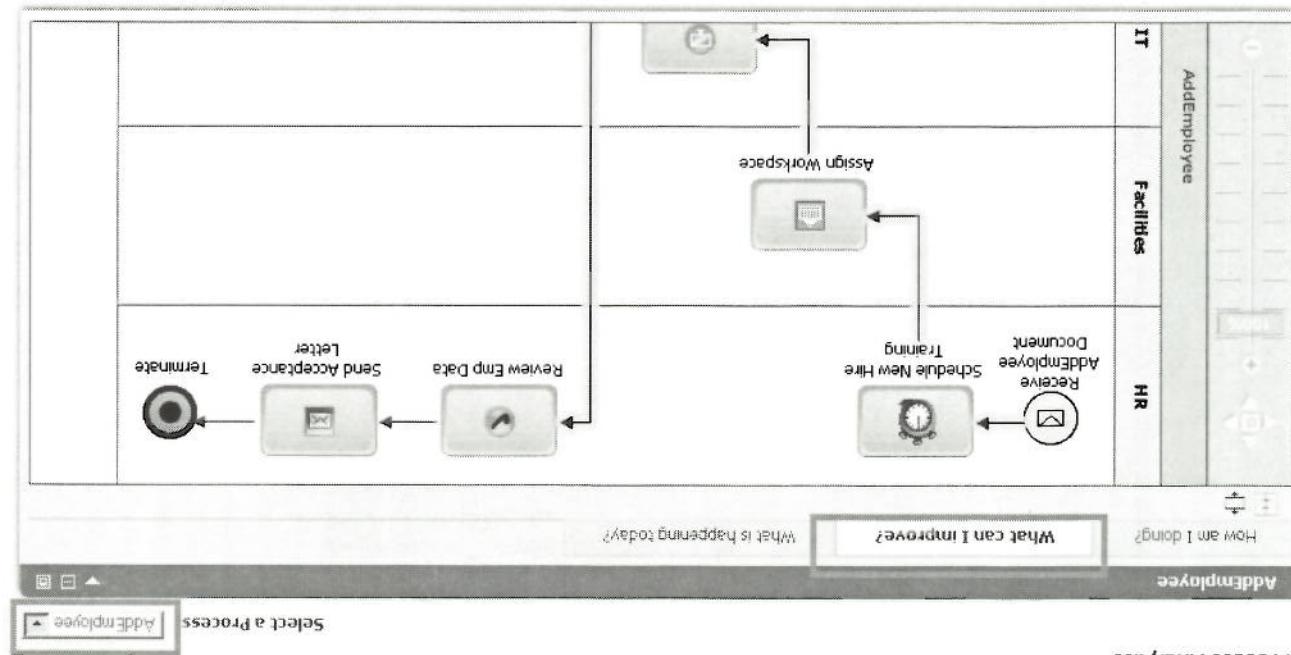
1. Login to the MWS Admin Console as Administrator/manage, select and navigate to Applications -> Administration -> Business -> Business Processes. Click on the AddEmployee (HR Processes) link to view the configuration of the process model.

Steps

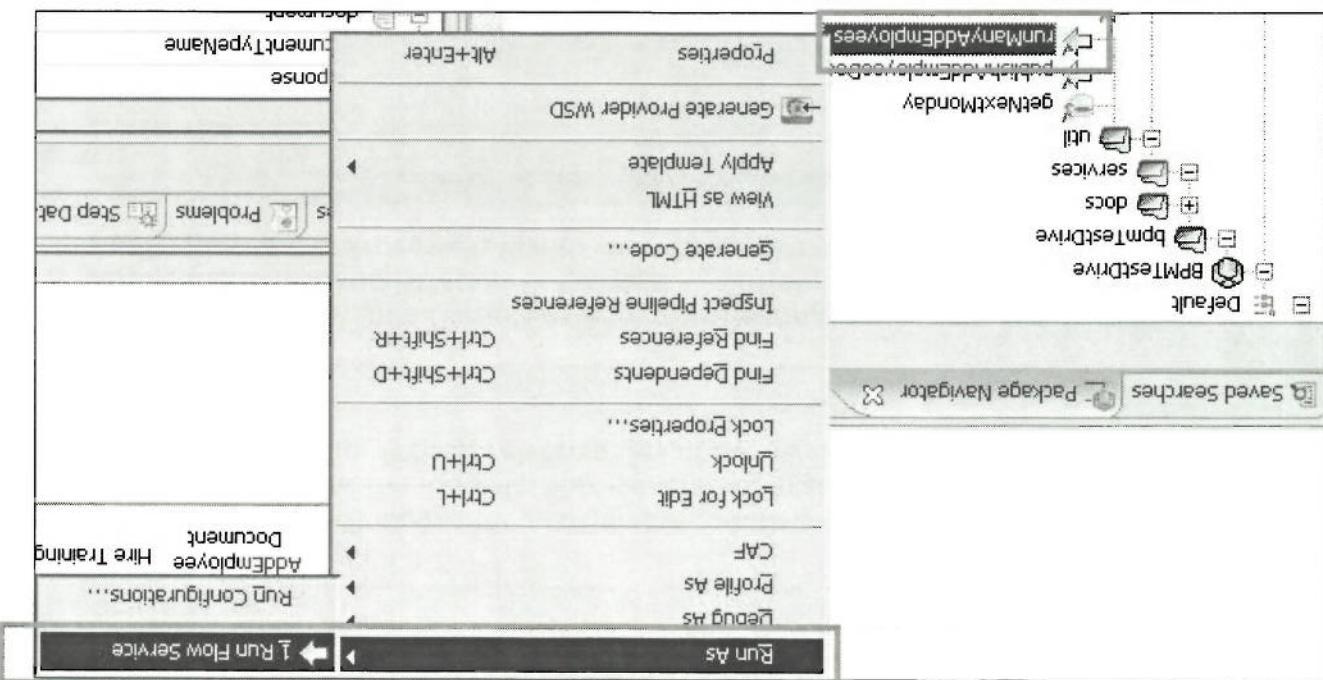
In this exercise, you will enable the AddEmployee process for analysis, click off many instances of the process and view the Optimize for Process related pages of the My WebMethods Server.

Overview

Exercise 5: View Aggregated Statistics



- In the No input dialog, click the OK button to run the runManyAddEmployees service. This service will start 100 new instances of the AddEmployee process; one every 2 seconds; so it will run for 200 seconds. The analysis engine may take a little longer to catch up to all the data and to initially create its schema in the database for this particular analysis.
- While the service is running in Designer, login to the MWS Admin Console as Administrator/manage, navigate to and click Applications -> Monitoring -> Business -> Process Analytics. Select the What can I improve? tab and be sure your process is selected in the upper right hand corner. Notice the critical path through the AddEmployee process indicated by the highlighted transitions.



3. From Designer, in the Package Navigator view, navigate to and right-click BPM Testdrive -> bpmTestdrive -> services -> util -> runManyAddEmployees. From the context menu select Run As -> Run Flow Service.