





Defining human tasks and forms

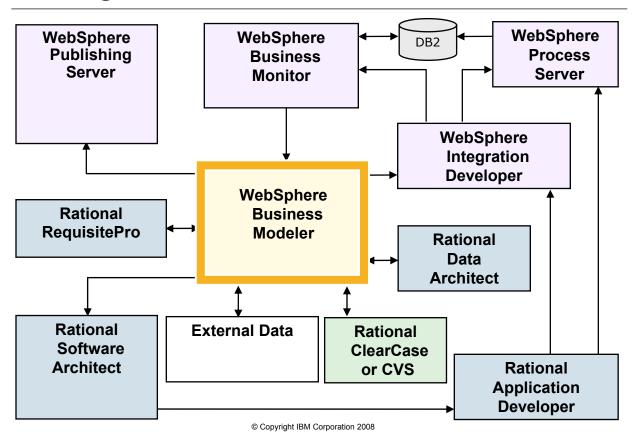
Unit 6

Unit objectives

After completing this unit, you should be able to:

- Explain human tasks
- Create and define human tasks in Modeler
- Define primary owner and escalations for human tasks
- Explain forms
- Create and associate forms with human tasks

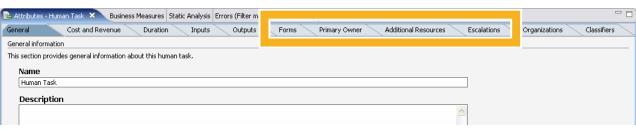
Defining human tasks and forms in modeler



Human task (1 of 2)



- Specialized task a system assigns to a person for completion
 - Used to visually identify and document activities that must be performed by a human resource
- Can be global or local
 - Local task to local human task conversion
 - Local human task to global human task conversion
- All other normal task attributes
- Treated as a normal task during simulation
 - For process modeling and simulation purposes, you can specify the related cost, revenue, duration, additional resources, organizations, and classifiers

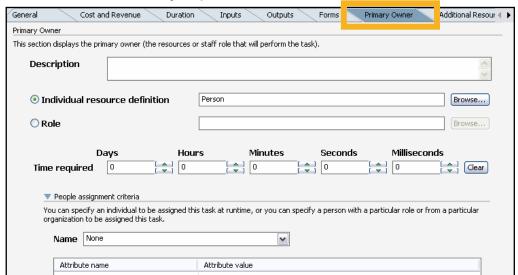


Human task (2 of 2)

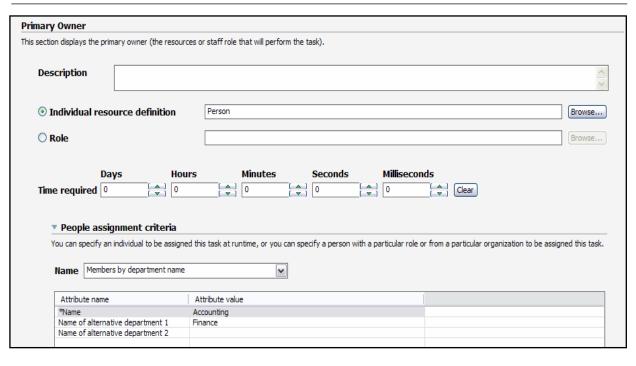
- IBM Lotus Forms
 - Associate electronic forms that are required for its completion
- Primary owner
 - Assign a particular role or resource to work on the task
 - Ability to define a criterion (known as a Verb in WebSphere Integration Developer) that determines the resource to be allocated as a primary owner
- Escalation
 - Define actions that should take place if some aspect of the human task does not complete on time
- Can have only one input criterion (set of inputs) and one output criterion (set of outputs)

Primary owner

- Main human resource assigned to the human task
- Based on role or individual resource
- Primary owner must be specified when creating human task
- Criteria consist of predefined attributes
- Ability to browse elements created in Modeler when specifying attribute values of criteria
 - Example: A user can browse organization units when specifying the attribute values for the Members by department name criterion

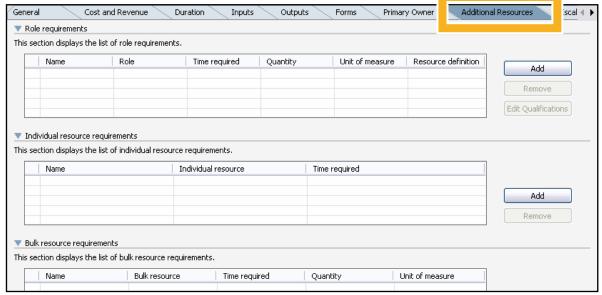


Primary owner: Example of attributes



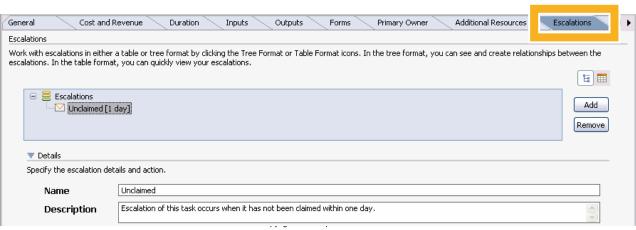
Additional resources

- Additional resources can be assigned for simulation and analysis
- Additional resource information is not included in export



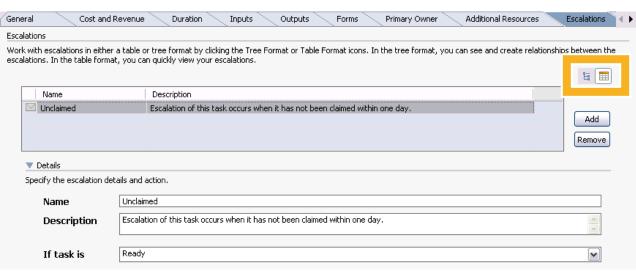
Escalation (1 of 2)

- A course of action that takes place when a human task does not reach an expected state within a specified time period
- Specify the condition under which the escalation should take place and the resulting action
- Use Advanced or WebSphere Process Server modeling mode
- Specify escalation notification type, such as e-mail notification
 - Define a criterion that determines the e-mail receiver
- Specify duration for repeating an escalation

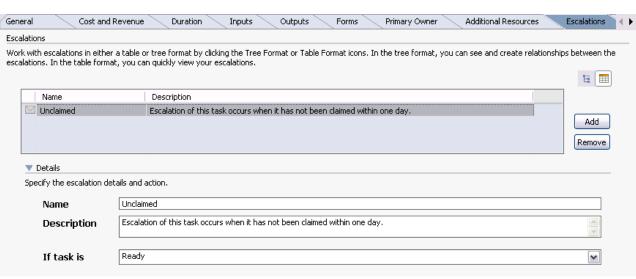


Escalation (2 of 2)

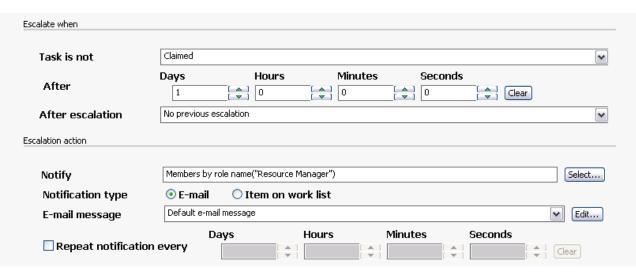
- Escalation format presented in table or tree format
 - In the table format, you can quickly review the escalations that you have created
 - In the tree format, you can see and create relationships between the escalations



Sample escalation (1 of 2)

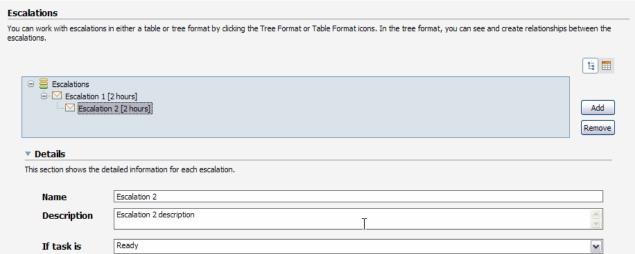


Sample escalation (2 of 2)



Escalation chains and parallel escalations

- If adding more than one escalation to a human task, escalation chains can be used to define the required escalation paths
 - Escalations are chained by specifying that one escalation follows after another escalation.
 - Triggered at a time relative to the previous escalation
- Parallel escalations are triggered at a time relative to the starting point

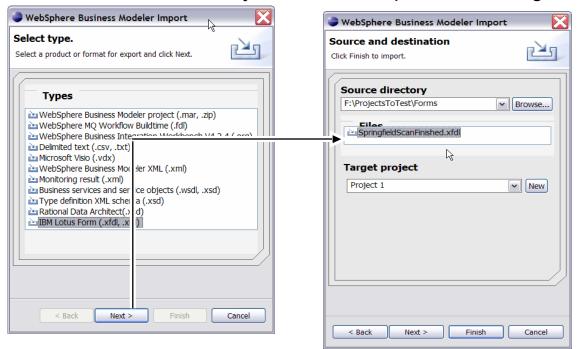


IBM Lotus Forms

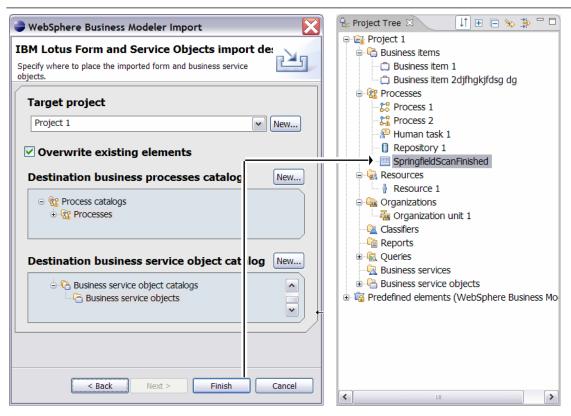
- Forms represent the electronic forms that people use to complete a human task
- Integrate IBM Lotus Forms into your modeling projects
- Forms can be imported into Modeler
- New forms can be created in Modeler
- Forms can be associated or disassociated with existing human tasks
- New human tasks can be created based on forms
- Forms in Modeler can be exported to WebSphere Integration Developer

Importing forms into Modeler (1 of 2)

- Business service objects created based on form data
- New form located in Project Tree under process catalog



Importing forms into Modeler (2 of 2)



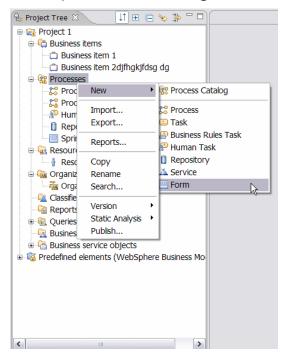
Creating a new form (1 of 7)

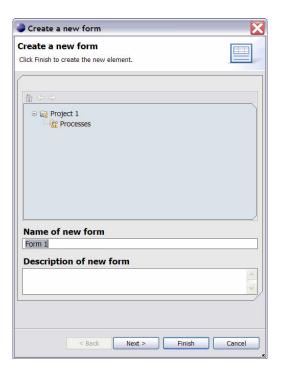
Two ways to create a form:

- Created within process catalog
 - Blank (with no data) if used for layout purpose
 - With data based on business items
- Created from human task
 - Blank (with no data) if human task has no input/output data
 - With data based on human task's input/output data
 - Newly created forms associated with human task

Creating new form (2 of 7)

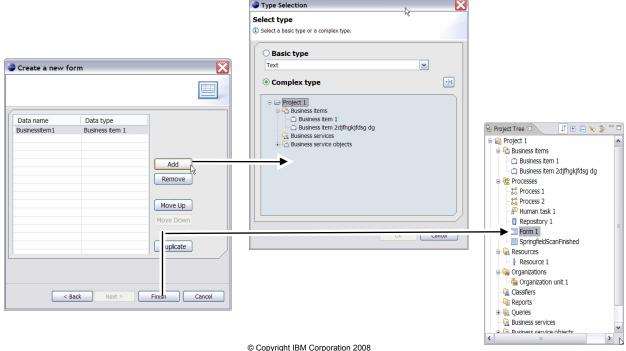
From process catalog





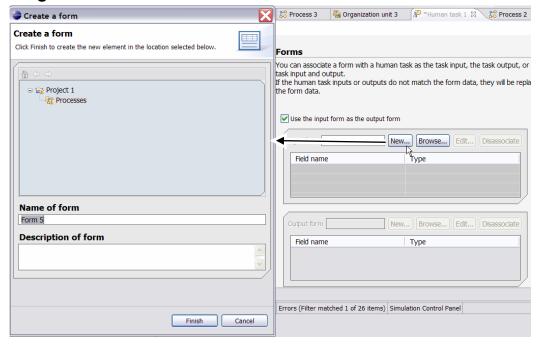
Creating new form (3 of 7)

 Data name column presents the business item name as it would appear on the form



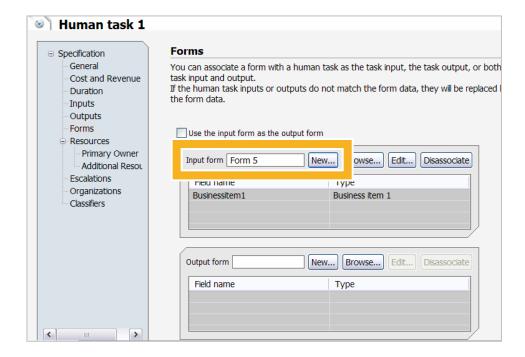
Creating new form (4 of 7)

From global human task



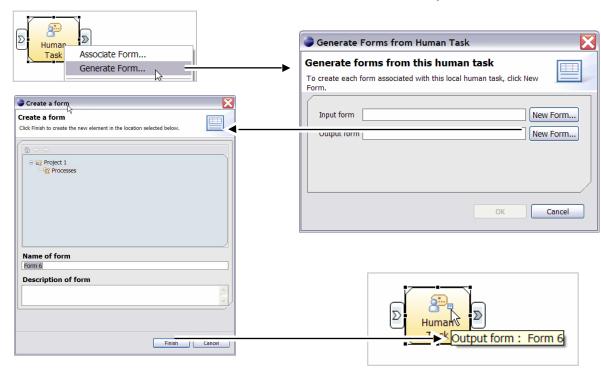
Creating new form (5 of 7)

From global human task



Creating new form (6 of 7)

From local human task: Context menu in the process editor



Creating new form (7 of 7)

From local human task: Forms tab in the attributes view

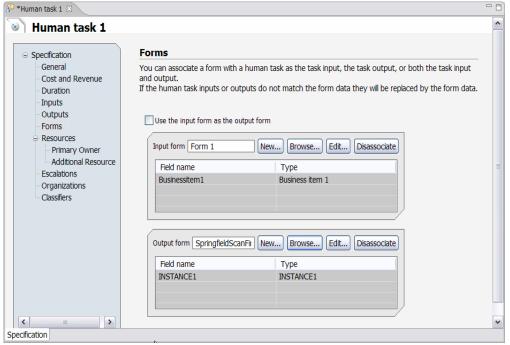


Associating form with human task

- Form can be associated as either an input form or an output form, or both
- Human task inputs are generated based on input form data
- Human task outputs are generated based on output form data
- Human task inputs and outputs are not removed when form is disassociated

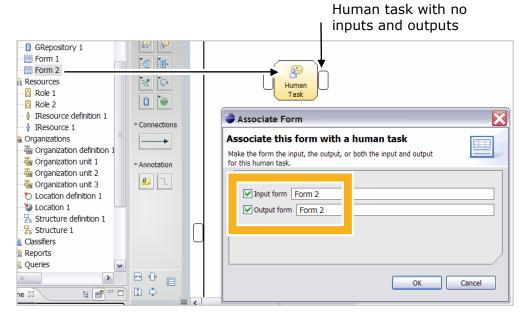
Associating form with global human task

Form can be associated with global human task on the Forms page



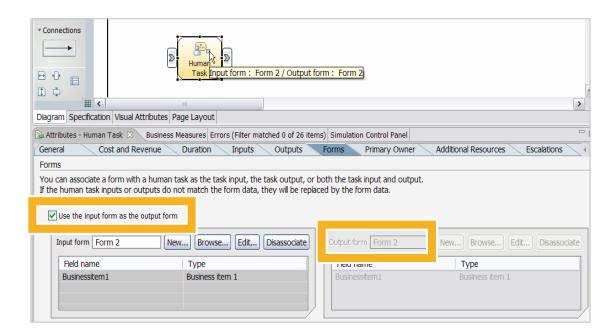
Associating form with local human task (1 of 4)

 Form can be associated with local human task by dragging it from the Project Tree and dropping it onto a local human task in the process editor or on the Forms tab of the attributes view

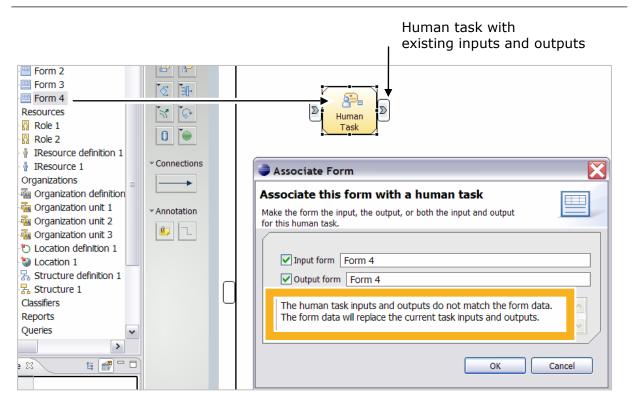


Associating form with local human task (2 of 4)

Human task input and output generated based on form data



Associating form with local human task (3 of 4)



Associating form with local human task (4 of 4)

Human task inputs/outputs replaced by form data



Creating human task based on form

- Global human task creation wizard allows specifying forms
 - Creation of human task will be based on this form
- Drag a form from the project onto a process editor to create a local human task
- Inputs and outputs created on a new human task are based on form data

Creating global human task based on form

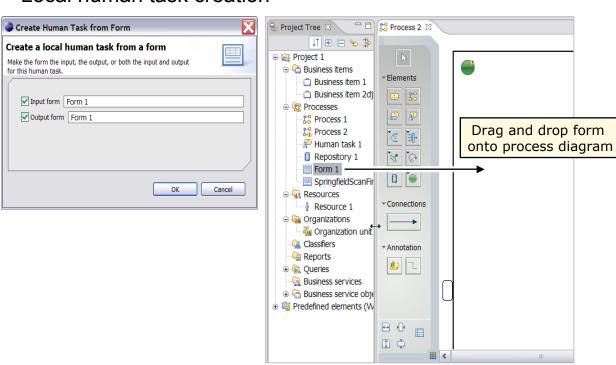
Global human task creation



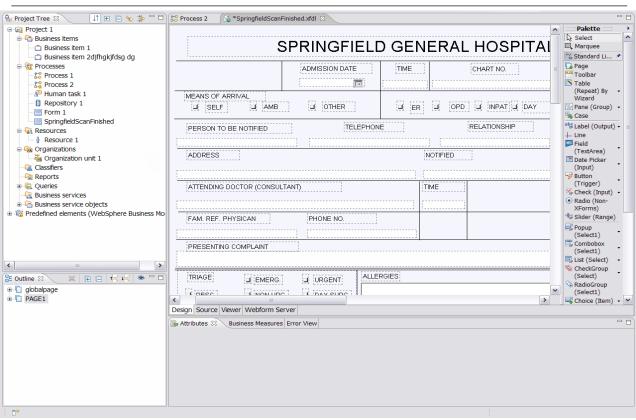
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Creating local human task based on form

Local human task creation



Lotus Forms Designer in WebSphere Business Modeler



Checkpoint: Defining human tasks and forms

Your instructor will review these questions with you as a group. If time permits, the instructor may provide you time to answer the questions on your own before the group discussion.

- 1. What is a human task?
- 2. When creating a human task, what needs to be specified in order to identify who should perform the task?
- 3. What is an escalation?
- 4. What is the purpose of associating human tasks with forms?

Checkpoint solutions: Defining human tasks and forms

- Specialized tasks that a system assigns to a person to perform
- 2. Primary owner
- 3. A course of action that takes place when a human task is not completed within the specified time period
- Forms represent the electronic forms that people use to complete a human task

Unit summary

Having completed this unit, you should be able to:

- Explain human tasks
- Create and define human tasks in Modeler
- Define primary owner and escalations for human tasks
- Explain forms
- Create and associate forms with human tasks

Exercise overview

In this exercise, you will:

- Create a human task
- Associate forms
- Assign a primary owner
- Define escalations
- Convert a local task to a local human task