

Lesson 6 Workflow Processes

6.1 Create a new workflow

This is the first of two labs that build a workflow based on the Qualify Producer Workflow scenario. The customer wants to verify that a producer has achieved a certain performance level before they promote the producer to Gold tier.

6.1.1 Requirements

- Spec 1** Create a new workflow type for the Qualify Producer scenario.
- Spec 2** The workflow must be able to access the producer that is being qualified by the workflow.
- Spec 3** The Producer entity needs to know about any associated Qualify Producer workflows.

6.1.2 Tasks

1. Create new workflow type for the Qualify Producer workflow.
2. Add a foreign key to the producer entity.
3. Add an array from the Producer entity to the new workflow.
4. Restart the server.
5. Specify context symbol(s).
6. OPTIONAL: Regenerate the data dictionary.
7. OPTIONAL: Using the data dictionary, verify the new workflow type and the new array in the producer entity were created.

6.1.3 Solution



Solution

Exact details on how to complete the exercise.

1. Create new workflow type for the Qualify Producer workflow.
 - a. In Studio, right-click Workflow and then select New → Workflow
 - b. In the entity field, enter “QualifyProducer_Ext”
 - c. In the description field, enter “Verifies a producer’s performance prior to promoting to Gold tier”
 - d. Select BCWorkflow as the supertype. To do this click the button at the right of the supertype field and then select BCWorkflow. Click the OK button.
 - e. On the workflow window, click the next button.
2. Add a foreign key to the producer entity
 - a. Click the plus (+) button to add the foreign key

- b. In the fkey Name field, enter "ProducerID"
 - c. In the fkey Entity field, click the button next to the field and select Producer.
 - d. In the description field, enter "Associated producer"
 - e. Click OK to create the new workflow
 3. Add an array from the Producer entity to the new workflow.
 - a. Find and open the Producer.etx file
 - b. Add a new array
 - c. In the name field, enter QualifyProducerWorkflows_Ext
 - d. In the arrayentity, select the QualifyProducer_Ext workflow you just created.
 - e. In the desc field, enter "Associated qualify producer workflows"
 4. Restart the server.
 5. Specify context symbol(s).
 - a. In the QualifyProducer_Ext workflow, select the "<Context>" element
 - b. In the properties pane, click the plus (+) button
 - c. In the name field, enter "producer"
 - d. In the type field, enter "Producer"
 - e. In the value field, enter "Workflow.ProducerID"
 6. OPTIONAL: Regenerate the data dictionary.
 - a. Open a command prompt
 - b. Run the following command `gwb genDataDictionary`

This step may take 10 to 15 minutes depending on the speed of your machine.
 7. OPTIONAL: Using the data dictionary, verify the new workflow type and the new array in the producer entity were created.
 - a. Open the data dictionary, by navigating to C:\GW\BillingCenter\build\dictionary\data and select the index.html file
 - b. On the data dictionary page, click the "Data Entities" link
 - c. In the left panel, find and select the "QualifyProducer_Ext" entity
 - d. Notice that this entity has the foreign key to the Producer. Click the Producer link to jump to the Producer entity.
 - e. On the Producer entity, scroll to the arrays section and confirm that there is a new array named "QualifyProducerWorkflows_Ext".