

# 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".