IBM® WebSphere® Business Modeler V6.1

Business measures enhancements

@business on demand.

This presentation will discuss the new business measures enhancements available with WebSphere Business Modeler V6.1.

The enhancements discussed in this presentation build on the business measures features introduced in WebSphere Business Modeler V6.0.2.

Business measures in WebSphere Business Modeler

- Business measures in WebSphere Business Modeler provide a way for the business analyst to indicate what should be monitored when the business process is executing.
  - The business analyst has insight into key elements of the business process that can indicate the success or failure of strategic business goals.

- The business analyst specifies <u>what</u> should be monitored.
  - The specification is exported to the WebSphere Business Monitor toolkit
    - The implementation is then completed by the integration developer.

When developing a business model the business analyst learns what parts of the business processes are critical to the overall performance of the business. Some parts are more important than others. With WebSphere Business Modeler the business analyst can specify the parts of the model that they want to have monitored at runtime. This will provide them with the information necessary to determine if the business process is meeting the expected goals.

Creating a complete monitoring model is not the role of the business analyst. The monitoring model is created by an integration developer as part of the runtime implementation. The business analyst provides input into the monitoring model by specifying what they would like to see as part of the monitoring model. This input is provided as the business measures which are specified in WebSphere Business Modeler.

What's new?

New V6.1

- The ability to associate business measures with process elements.

- Pre-defined business measures
  - A set of business measure templates for commonly monitored business measures.

- Not available for
  - Global tasks
  - Global business rules
  - Global human tasks

Start Time
End Time
Working Duration
Elapsed Duration
State
Assigned User
Is Escalated
Is Delayed
Business Item Input
Business Item Output
Iteration Counter
Calling Process Name

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When specifying business measures it quickly becomes apparent that there are certain metrics that are needed over and over again in many parts of the business model.
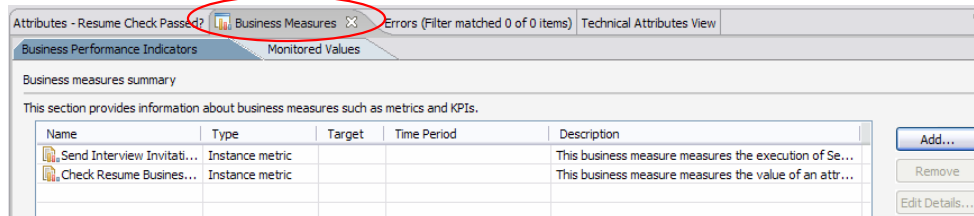
With WebSphere Business Modeler V6.1, the commonly used metrics are provided as templates that can be easily used when specifying the business measures. Shown here is the list of available pre-defined business metrics.

As you can see, each of these metrics is useful in monitoring the performance and identifying the data, the user, and the processes involved.

With V6.1 you can now easily associate a metric with a process element. This is shown in the next couple of slides.
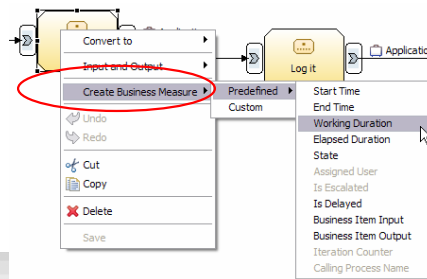
Creating business measures

- There are two ways to create new business measures using the process editor.
  - ▶ The Business Measures view
  - ▶ The pop-up menu of a process element

    New V6.1

When you want to create a business measure for a particular part of the business process, the easiest way is to right mouse click on the process element and select create business measures from the pop-up menu. You will notice that there are more options. You can select from the list of the pre-defined business measures or you can create a custom business measure. Creating a custom business measure is the same as creating a business measure in WebSphere Business Modeler V6.0.2.

Alternately you can use the business measures view by selecting the business measures tab for the business process you are working on.

Business measures details

- At first glance it looks the same as in 6.0.2
  - ▸ Notice the Template field
  - ▸ Using a pre-defined business measure template is optional.

Selecting the add button in the business measures view will take you to the business measures details form shown here.

For the most part it is the same as the business measures details form in V6.0.2. With V6.1 there is a new section at the top of the form for selecting the Template.

At this point you can choose to use a template or you can create your own custom business measure.

Process element and attributes

Business Measure Details - Check Resume Business Item Input

Business Measure Details

(i) Specify additional details to describe how the business measure is calculated.

Optionally, you can create a business measure by applying a predefined template to a process element.

New V6.1

Template   Business Item Input

Process element   Check Resume   **Attribute**   Application.Applicant.ZipCode (CheckResume)   Browse...

Name   Check Resume Business Item Input

Type   ○ KPI ⦿ Instance metric ○ Aggregate metric ○ Unspecified

Description   This business measure measures the value of an attribute of the input to Check Resume.

▶ Dashboard viewers

☑ **Specify a default value and type**
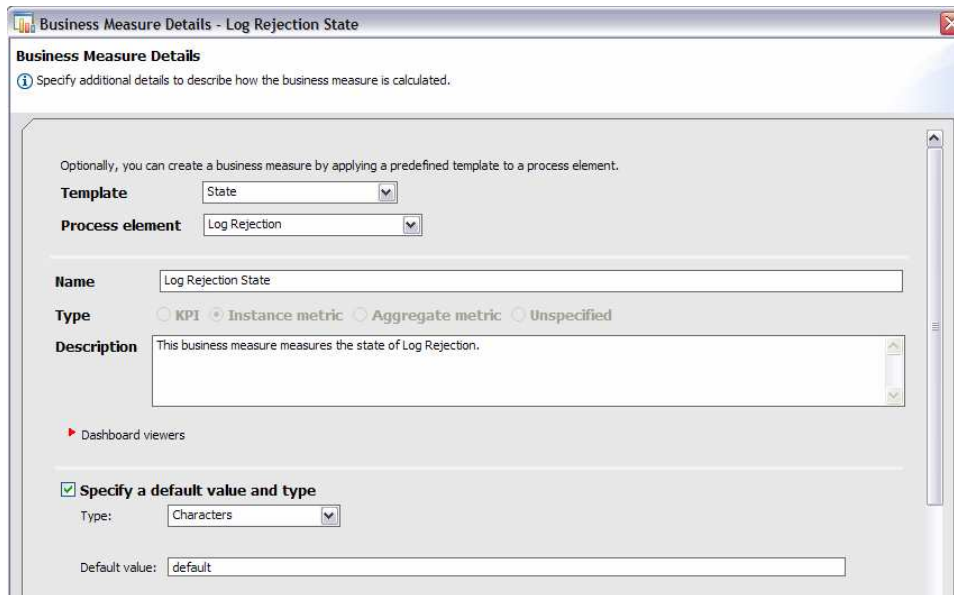
   Type: Characters

   Default value: 0000000

Selecting a template will display the fields for the process element and the attribute. The fields that are displayed, such as process element and attribute will depend on the template selected. In this case since the business item input template has been selected, you will then need to specify the process element you want to monitor the input on and the actual attribute to monitor.

Note also that the type, instance metric, has been selected for you and that the other choices are no longer selectable. The type will determine the remaining optional fields on the form that are available.

The state template

Shown here is another template. It too, is of type instance metric, but now there is only one field available, the process element field.

The main purpose of this slide is to show you the dynamic nature of the template specification. The fields that are presented depend on the template being used.

The state to be monitored here is the state of the task or activity. It is not the state of a business item. The state of the activity will have to be determined by the integration developer when developing the monitoring model.
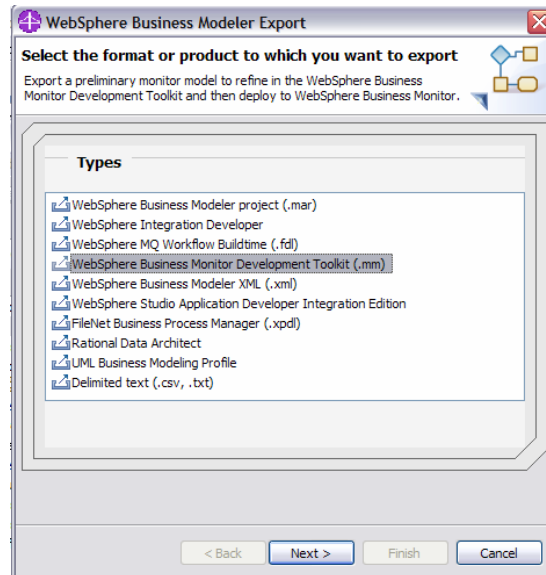
The remainder of the business measures details form, where you specify the optional features, is the same as for WebSphere Business Modeler V6.0.2. For more information on the optional fields see the V6.0.2 presentation for business measures.
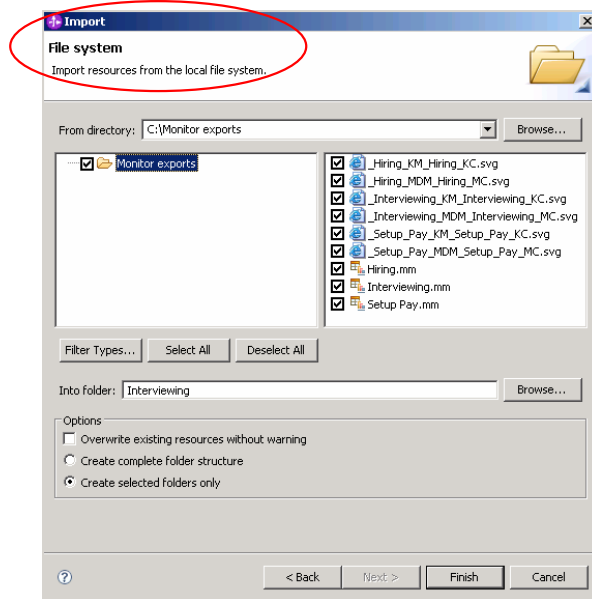
Sharing business measures with Monitor toolkit

- Export using the Business Monitor Development Toolkit(.mm) export type.

WebSphere Business Modeler Export

Select the format or product to which you want to export
Export a preliminary monitor model to refine in the WebSphere Business Monitor Development Toolkit and then deploy to WebSphere Business Monitor.

Types

WebSphere Business Modeler project (.mar)
WebSphere Integration Developer
WebSphere MQ Workflow Buildtime (.fdl)
WebSphere Business Monitor Development Toolkit (.mm)
WebSphere Business Modeler XML (.xml)
WebSphere Studio Application Developer Integration Edition
FileNet Business Process Manager (.xpdl)
Rational Data Architect
UML Business Modeling Profile
Delimited text (.csv, .txt)

< Back   Next >   Finish   Cancel

Once you have competed specifying your business measures, you export them in a format that can be imported into the WebSphere Business Monitor Toolkit. (.mm)

Import into WebSphere Business Monitor toolkit

- Import using the File System import type
  - Business Monitor perspective
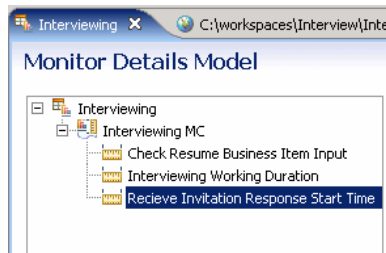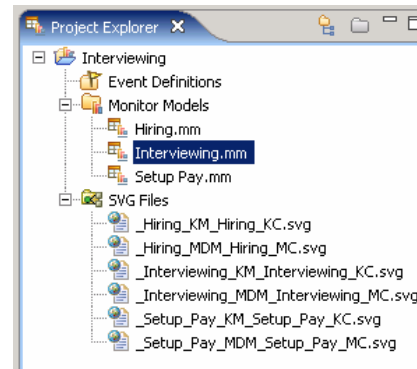 - Import into an existing monitor project.

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The next step is to import the monitor model file with the business measures, into the WebSphere Business Monitor Toolkit.

Notice that there is no special import type. When importing the business measures into the monitor toolkit, use the generic file system import type.

WebSphere Business Monitor toolkit

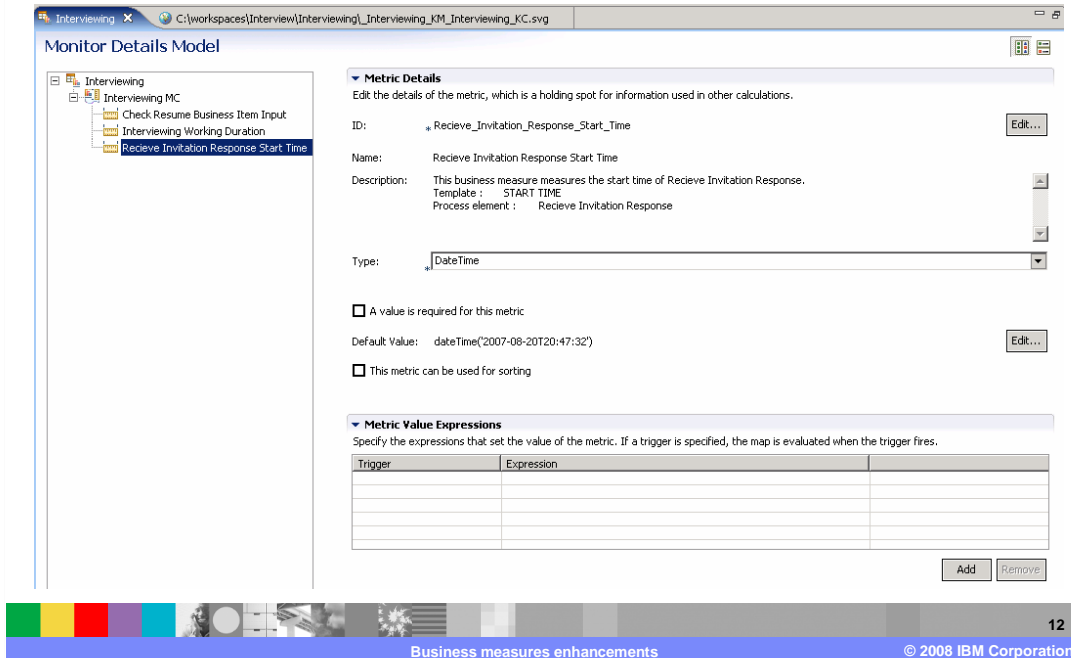- Imported files are placed in the appropriate directories.

Metrics, KPIs, and measures are established as appropriate for each of the business measures that were defined in WebSphere Business Modeler.

When the business measures are imported into the monitor toolkit, the artifacts are placed into the appropriate folders within the target monitoring project.

The implementation is not complete

Key information from the WebSphere Business Modeler is imported into the monitoring model toolkit. In the example shown here, the key information is the default timestamp. The information imported provides the starting point for the integration developer that will complete the monitoring model.

The business analyst only specifies in WebSphere Business Modeler what needs to be monitored. The task of defining how this is achieved is left up to the integration developer.

Summary

- The business measures support in WebSphere Business Modeler V6.0.2 is extended in V6.1

- Predefined templates for commonly used metrics are available for the business analyst to select from.

- Business measures are easily associated with process elements.

The support for predefined business measures in WebSphere Business Modeler V6.1 is a natural extension of the previous release. The capability to define custom business measures was provided in V6.0.2. The next logical step is to identify the most commonly used metrics and provide them as selectable options for the business analyst.

To make it even easier the predefined business measures can be easily specified and associated with a process element directly from the process editor canvas.

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Business measures enhancements

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