Business Process Management
IBM Business Monitor V7.5.1

What is new in V7.5.1
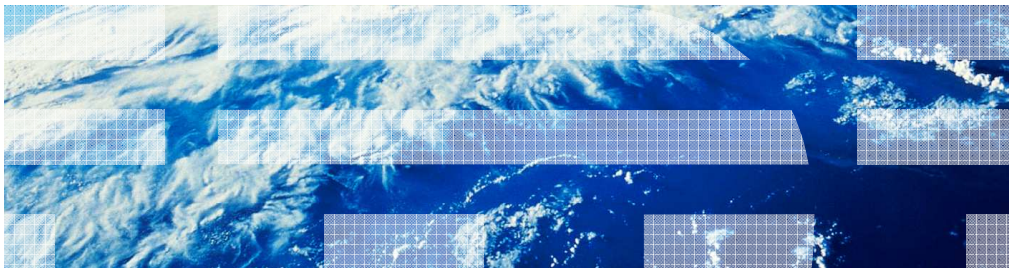
This presentation provides an introduction to the new features in V7.5.1 of the IBM Business Monitor product.

IBM Business Monitor V7.5.1 features

- Monitor new process elements
  - Send message event, event gateway, subprocess, event subprocess
- Generate diagrams for custom monitor model
- Widget updates
  - Report viewer: show instances, swap axis
  - Instances: drill down to subprocess
  - Diagrams: drill down to subprocess
  - Internet Explorer 9: now supporting V7, V8, V9; built-in Scalable Vector Graphics (SVG) diagram support
  - Firefox 4: now supporting V3.6 and V4

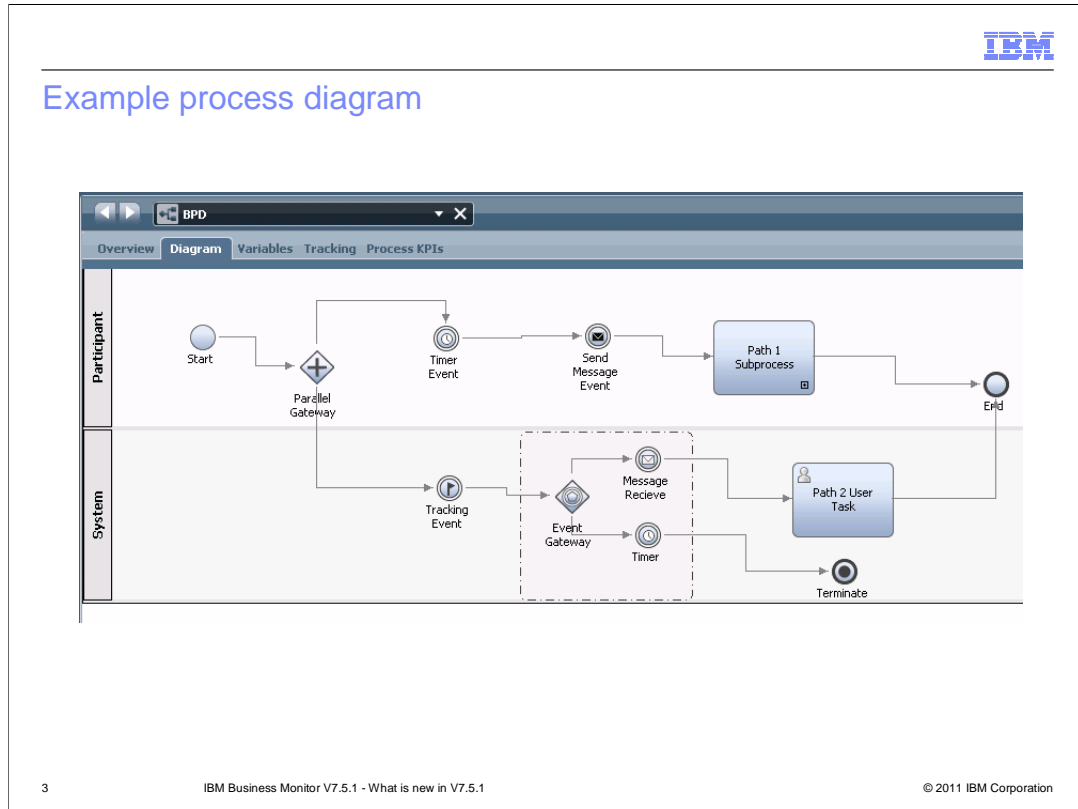IBM Business Monitor V7.5.1 - What is new in V7.5.1   © 2011 IBM Corporation

IBM Business Monitor V7.5.1 includes many new features and enhancements. There are some new process elements that are provided in Business Process Manager, namely the send message event, event gateway, subprocess and event subprocess. Events are emitted for these elements which Monitor receives for tracking purposes. If you have installed the global process monitor model, then you can automatically view the monitoring of these elements. You can also auto-generate the default model if you need more capability in monitoring. Finally you can generate a custom model and create your own monitoring constructs in support of these new BPM features.

In version 7.5 the process diagrams were generated for your default models, but they were not generated for custom models. In this version you have the process diagram generated in both cases.

There have been several updates for the monitor business space widgets. For the Cognos report viewer, you can open the menu on a cell in the table and click to show the monitored instances that comprise the cell quantity. Also, you can swap the x axis with the y axis in the chart and table. For the instances widget, there are links in the instances list which allow you to drill down into the subprocesses that are defined in the process. Likewise, in the diagrams widget you can click a subprocess icon to open the diagram for the subprocess.

For version 7.5.1 there are updates to the versions of the browsers that are supported. For Internet Explorer, version 9 is now supported. This is significant because SVG diagram support is built into this version so you will not need to install a separate SVG diagram viewer to use the diagrams widget. For Firefox, version 4 is now supported.

BPMv751_BusinessMonitor_WhatsNew.ppt

Example process diagram

In this example, the process diagram contains a send message event, subprocess and event gateway. In the next slides you can see how monitored instances depict these process elements.

Global process monitor model – Business space

Global Process Monitor (Basic)

| Processes ▾ | Process Statistics | Invocation Chains | Tasks | Task Statistics | Task Owner Statistics | Subtask Hierarch |

Instances

Export ...

Process Definition

Name	Steps	Step Definition	Started	In Progress	Finished	Process Execution	Min Total Duration	Avg Total Duratio
Order handling	16		2	0	2		1 m, 33.907 s	1 m, 45.703 s
BPD	38		9	0	9		24.172 s	1 m, 1.409 s

Process Definition > Process Execution > Process Execution Step

Process Definition ...	Name	Kind	State
BPD	Parallel Gateway	parallelGateway	COMPLETED
BPD	Event Gateway	eventBasedGateway	COMPLETED
BPD	Path 1 Subprocess	subProcess	COMPLETED
BPD	(Path 1 Subprocess) Path...	userTask	COMPLETED
BPD	Path 2 User Task	userTask	COMPLETED

Process Definition > Process Execution > Process Execution Variable

Name	Value Timestamp	Value
BPDVar	September 28, 2011 9:28:32 AM	BPD
messageRecieved	September 28, 2011 9:28:32 AM	false
MyVar	September 28, 2011 9:28:36 AM	aValue

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If you have the global process monitor model installed, then you can configure the business space to display instances for this model. In the screen capture at the top, you see the process definitions that are available to view. After drilling down on the process execution for the process definition, you can see the process steps. This is shown in the screen capture in the lower left. Here you see the event gateway and subprocess elements listed. In the lower right screen capture you can drill down to see the tracking variables for the process and for the subprocesses within the process.

Default model - Auto generated business space

SEG_SimpleEventGw_Main 20110928-094316

BPD Instances | BPD KPIs | BPD Reports | BPD Diagrams

BPD Instances

Export ...

BPD

	BPD Instance ID	Start Time	End Time	BPDVa
	d576903a-7f61-4f5e-a30‹...	September 28, 2011 9:50 ...	September 28, 2011 9:51 ...	BPD

Instances

Export ...

BPD > BPD Steps

	BPDVar	BPDVar°	COMPLETED	Step Name
	BPD		★	Start
	BPD	BPD	★	Parallel Gateway
			★	Tracking Event
	BPD	BPD	★	Timer Event
	BPD	BPD	★	Event Gateway
		BPD	★	Timer
	BPD	BPD	★	Message Recieve
	BPD	BPD	★	Send Message Event
	BPD	BPD	★	Path 1 Subprocess
	BPD	BPD	★	Path 2 User Task

Instances

Export ...

BPD > Path 1 Subprocess > Path 1 Subprocess Steps

	COMPLETED	MyVar	MyVar°	Step Name
	★	aValue		Path 1 Subprocess_Start
	★	aValue	aValue	Path 1 User Task
	★	aValue	aValue	Path 1 Subprocess_End

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In the process designer, you can generate a default monitor model for your process definition using the option 'Update tracking definitions'. A business space dashboard is also automatically created for you. In the screen capture at the top you see the instances widget that is automatically configured to show your monitored instances. You can drill down into the steps of the process, as shown in the screen capture in the lower left. Here you see all the steps of the process including the event gateway, send message event and subprocess. You can also drill down into the subprocess steps as shown in the lower right. Notice that this also displays the values of your subprocess tracking variables. In this case there is one tracking variable called 'MyVar'. The column 'MyVar' shows the value after the step completes. The column 'MyVar*' shows the value before the step starts.

Drill down on subprocess in the diagram
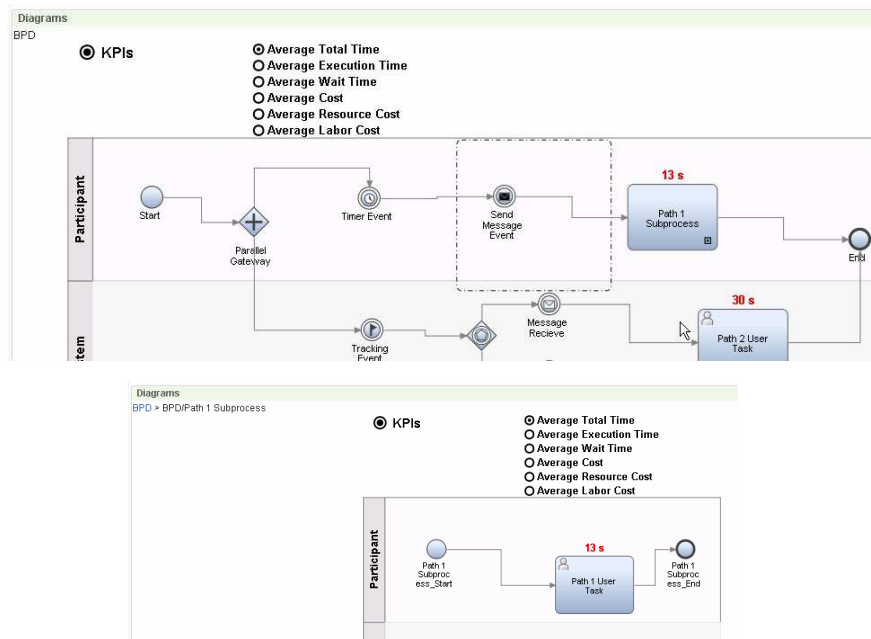
On this slide you see the process diagram in the dashboard. There is a subprocess called 'Path 1 Subprocess' which you can see in the upper screen capture. By clicking on the subprocess element, you can drill down into the subprocess diagram. This is shown in the screen capture at the bottom of the slide. There are breadcrumbs at the top of the diagrams widget to make it easy to navigate back to the parent process.

Report viewer: Swap row columns, show instances

testreport

In the report viewer widget, you can use the menu to perform additional functions. Select 'Swap Rows and Columns' to swap the x axis with the y axis. In this example, BPDVar moves from rows to columns and State Dimension moves from columns to rows. Select 'Show Instances' to see details about the instances that comprise the quantity listed in the cell. You need to add the instances widget to the same page to enable this feature.

Custom monitor model

In Integration Designer you can generate a custom monitor model for the process application. In the generation wizard you can choose what to monitor. In this list you see the new elements, including send message event, event gateway and subprocess. In the screen capture at the bottom of the slide you see the visual model of the generated model. There is a diagram for the parent process plus a diagram for each subprocess within the parent process.

Process diagram with event subprocess
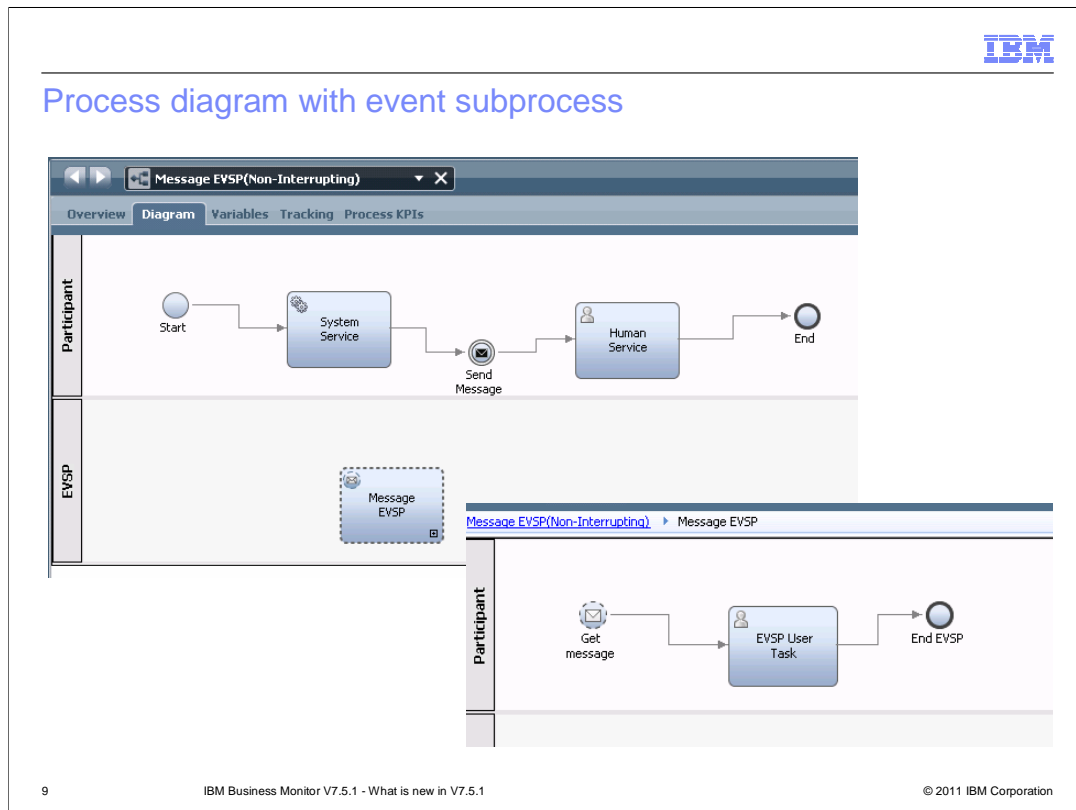
In this example, the process diagram contains an event subprocess called 'Message EVSP'. In the next slides you can see how monitored instances depict the event subprocess.

Global process monitor model – Business space

If you have the global process monitor model installed, then you can configure the business space to display instances for this model. This screen capture shows the instances widget drilled down to process steps for a monitored instance. Here you see the message event subprocess listed as a step in the flow, along with the step state and other information such as the duration.

Default model - Auto generated business space

Message EVSP(Non-Interrupting) Instances

Export ...

Message EVSP(Non-Interrupting) > Message EVSF > Message EVSP Steps

	Step Name	Step Instance ID	errorEVSPVar°	inVar°	decVar°	dateVar°
	Get message	98fe6743-8f65-47f6-a4c6-...				
	EVSP User Task	98fe6743-8f65-47f6-a4c6-...	Error EVSPVar value	0	10	October 5, 2011 11:35:39 ...
	End EVSP	98fe6743-8f65-47f6-a4c6-...	Error EVSPVar value	0	10	October 5, 2011 11:35:39 ...

In the process designer, you can generate a default monitor model for your process definition using the option 'Update tracking definitions'. A business space dashboard is also automatically created for you. This screen capture shows the instances for the event suprocess drilled down to the steps within it. Notice that this also displays the values of your event subprocess tracking variables.

Custom monitor model

In Integration Designer you can generate a custom monitor model for the process application. In the generation wizard you can choose what to monitor. In this list you see the event subprocess, and you can select from a list of predefined monitoring templates on the right. These monitoring templates are added to the generated monitor model. Then you can use the monitor model editor to tailor the model to your needs.

Summary

- Covered the new features in IBM Business Monitor V7.5.1

IBM Business Monitor V7.5.1 - What is new in V7.5.1

In summary, you have seen an overview of the new features in IBM Business Monitor V7.5.1.

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