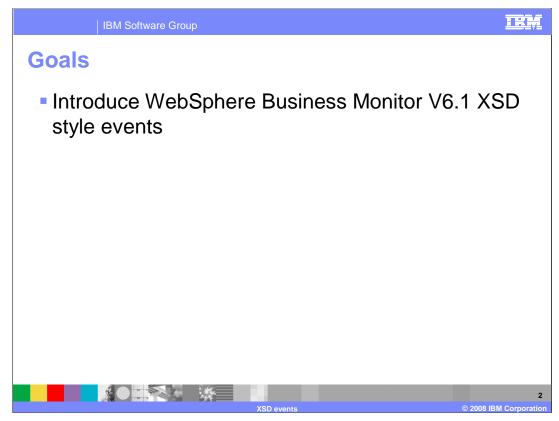
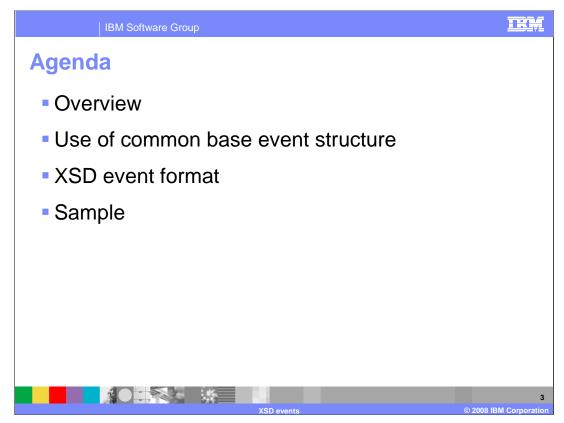


This presentation introduces using the new XSD style events in WebSphere Business Monitor Version 6.1.



This presentation should give you a good understanding of the support for XSD style events in WebSphere Business Monitor version 6.1.



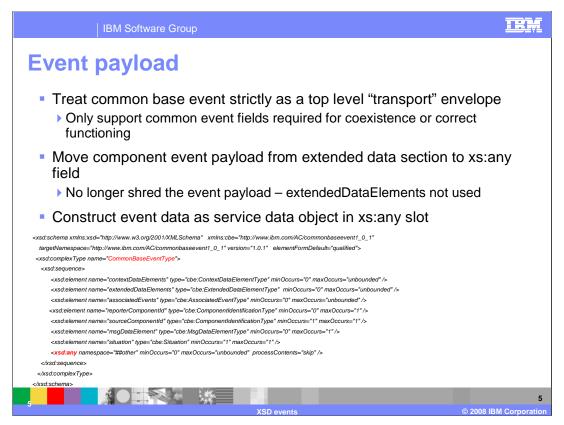
This is the agenda for the presentation. You will see an overview of the new style of event format, along with the use of the common base event structure with the new style event. You will also see a definition of the XSD event format, and a sample of a common base event containing the XSD payload.

	IBM Software	Group		IBN
XSD ev	vent de	efinitions		
Uses XS	SDs to des	cribe event busir	ness data	
Retain c	compatibility	y with 6.0.2-style	e common base event def	finitions
Continue	e to use co	mmon base eve	nt for event envelope for	mat at runtime.
XSD even the 'Even	ent definitio	ons are shown al	longside common base e Project Explorer	vent definitions in
Specify the even	•		c ation) scribe the structure of this inbound even	It. You can specify an
Extension name:				Browse, Clear
Event parts:	ID	Name	Туре	Path
	BaseData	BaseData	wbi:Event	cbe:CommonBaseEv
	BPELData Input	BPELData Input	bpc:BPC.BFM.ACTIVITY.M	cbe:CommonBaseEv
	an iprore	an proces	bo:Order	cbe:CommonBaseEv

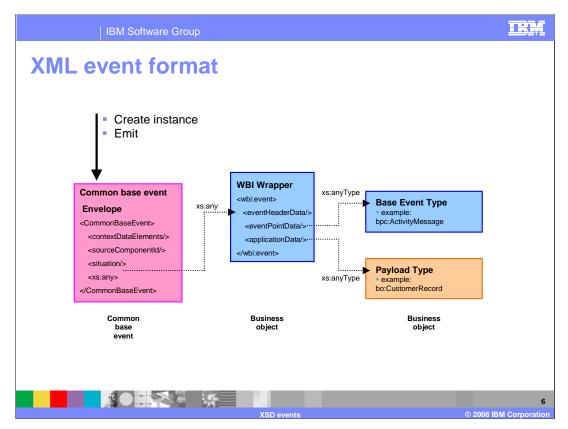
A new event definition is used to define the business payload in events destined for Monitor. The new events use schema definitions to describe the layout of the payload; however the event itself is still using the common base event envelope as a wrapper for the event. At runtime, XML is used to represent the business object based on the XSD for the business object.

Both the older style events and the new style events are still supported, so in the monitor model editor you will see both types of definitions listed. The default editor in WebSphere Integration Developer is the business object editor, but in Rational Application Developer the default editor is the XSD editor.

In the screen print you can see the event type details for an inbound event which is based on an XSD style event definition. There are three event parts, including base event data, BPEL data, and the payload. Each part has its own schema definition.



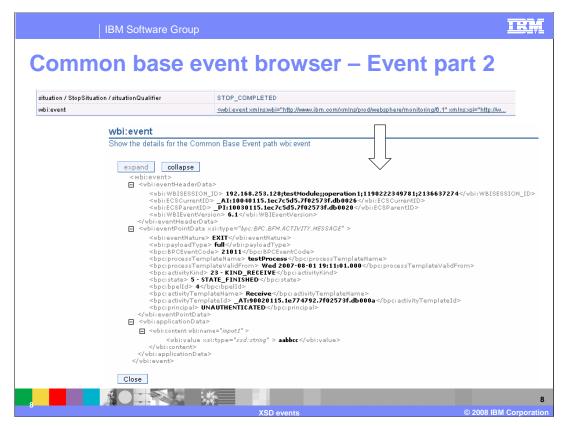
In the new event format, the common base event format is still used as the wrapper for the event data, however the event payload is stored in the xsd:any slot instead of the extendedDataElements section. Also the data is stored in XML notation rather than shredded event notation. Here you see the schema for the CommonBaseEventType, and in it you see the extendedDataElements section which is not used, and highlighted in red is the xsd:any slot where you will now find the payload.



When an event is emitted in the new format, the common base event envelope is used as a wrapper for the event. The xs:any slot is used to store the business object data. The actual XML name will be wbi:event for the WBI payload wrapper. Within the wbi:event data, you will find eventPointData which is used to define the type of event, and the applicationData which is used to store the payload.

IBM Software Group		IBM
Common base even	t browser – Event part 1	
globalinstanceld	CE1F2D1704DD978FC0A1DC66D46F2F6830	
extensionName	BPC.BFM.ACTIVITY.MESSAGE	
localinstanceld		
creationTime	2007-09-19T17:19:09.875Z	
severity	10	
msg		
priority		
sequenceNumber	11	
repeatCount		
elapsedTime		
contextDataElement / WBIEventVersion / contextValue	6.1	
contextDataElement / WBISESSION_ID / contextValue	192.168.253.128;testModule;;operation1;1190222349781;2136637274	
contextDataElement / ECSCurrentID / contextValue	AI:10040115.1ec7c5d5.7f02573f.db0026	
contextDataElement / ECSParentID / contextValue	PI:10030115.1ec7c5d5.7f02573f.db0020	
reporterComponentid		
sourceComponentId / component	WPS#Platform 6.1 [ND 6.1.0.9 of90722.41] [WBI 6.1.0.0 o0736.02] [WBM 6.1.0.0 o0736.23]	
sourceComponentId / subComponent	BFM	
sourceComponentId / componentIdType	ProductName	
sourceComponentId / instanceId	WBMonSrv_wps_CellW/BMonSrv_wps_Node\server1	
sourceComponentId / application		
sourceComponentId / executionEnvironment	Windows XP(x88)#5.1 build 2800 Service Pack 2	
sourceComponentId / location	192.168.253.128	
sourceComponentId / locationType	Hostname	
sourceComponentId / processId	1040	
sourceComponentId / threadId	WebContainer: 1	
sourceComponentId / componentType	http://www.ibm.com/namespaces/autonomic/Workflow_Engine	
msgDataElement		
situation / categoryName	StopSituation	
situation / situation Type / reasoningScope	EXTERNAL	
situation / StopSituation / successDisposition	SUCCESSFUL	
situation / StopSituation / situationQualifier	STOP_COMPLETED	
wbi:event	<pre>wwbi:event xmlns:wbi="http://www.ibm.com/xmlns/prod/websphere/monitoring/6.1" xmlns:xsi="http://w</pre>	
	XSD events © 2008 IB	7 M Corporation

This is a screen print of the first part of an XSD style event as seen in the common base event browser. Note that extensionName identifies the event type just like in 6.0.2. Note the absence of extendedDataElements. The xsd:any slot is always populated with the wbi:event element, which contains the event payload. In the common base event browser, you can click on the link in the second column on the row for wbi:event, then it will display the XML for the payload. This is shown in the next slide.

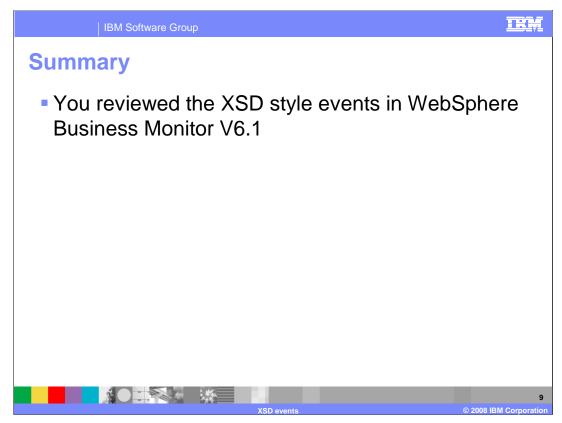


In the common base event browser, when you click on the link in the second column on the row for wbi:event, it displays the XML for the payload.

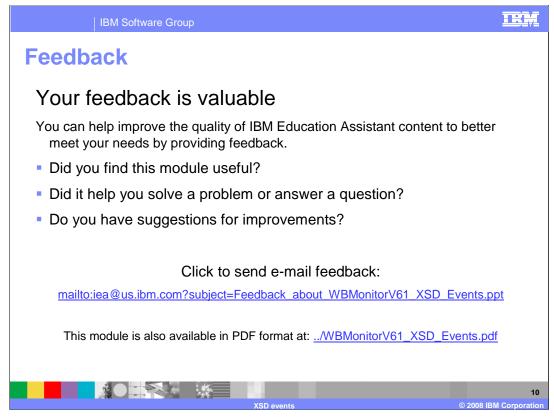
The eventHeaderData is the session correlation information which is used for process monitoring only.

The eventPointData contains the base event information emitted by the runtime event point. So you see the message name, event nature, state, BPEL id, template name and other information. In this example it is a type corresponding to type BPC.BFM.ACTIVITY.MESSAGE.

The optional applicationData section contains any payload data for the event. In this example you see one string which is the payload corresponding to the argument for a BPEL receive activity.



In this presentation you have reviewed the support for XSD style events in WebSphere Business Monitor version 6.1.



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