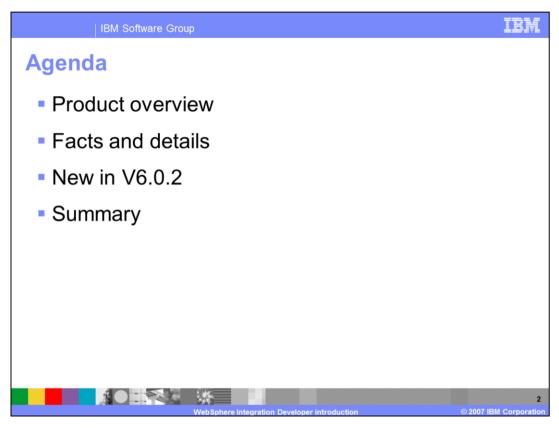


This WebSphere® Integration Developer presentation is part of the SAP integration workshop. This presentation will give you a brief overview about WebSphere Integration Developer V6.0.2. There are no specific SAP related integration options included in WebSphere Integration Developer, but it is a tool used to create business processes leveraging the SAP adapters.

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This presentation will start with a general product overview followed by some facts and details. The new features in version 6.0.2 are introduced.

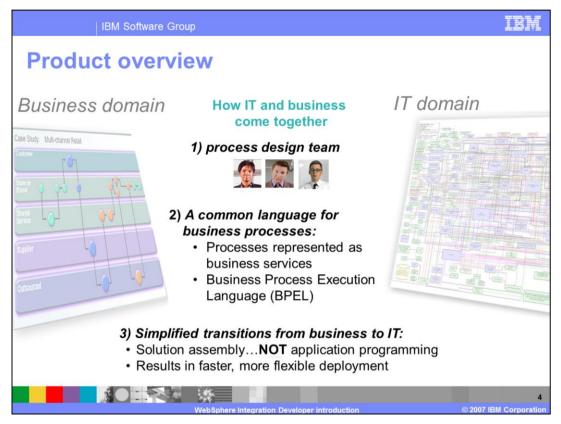
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This product overview illustrates where the WebSphere Integration Developer fits in the IBM life cycle model.

With the WebSphere Integration Developer, composite applications are assembled to run on the WebSphere Process Server.

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To close the gap between the business domain and the IT domain there are different aspects that could help.

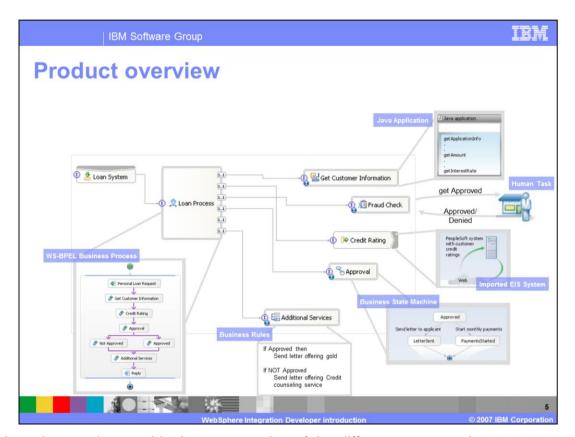
First, an established team of process experts with some knowledge in both areas is very helpful.

The second aspect gets more technical with a common language to define business processes in modeling and execution.

The third aspect is the tools-based transition from business to IT. To achieve that, a tool is needed where the solution can be easy assembled and does not need complex programming. So both worlds have a common discussion view and the result can be achieved even faster.

This tool is the WebSphere Integration Developer; it is most powerful in combination with the WebSphere Business Modeler.

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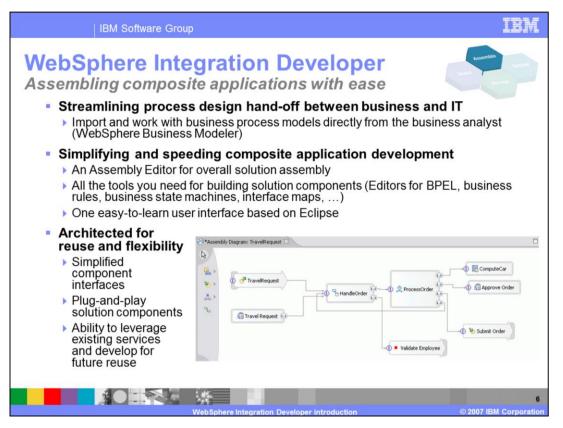


A Java application can be coded and easily connected to the other components. For example, A human task can be defined to approve a single step using a WebSphere Portal. With the different adapters an enterprise information system can be connected to retrieve business relevant data.

An approval step can be also solved by using a business state machine.

As you can see there are many possibilities, each with its own graphical markup. <click>

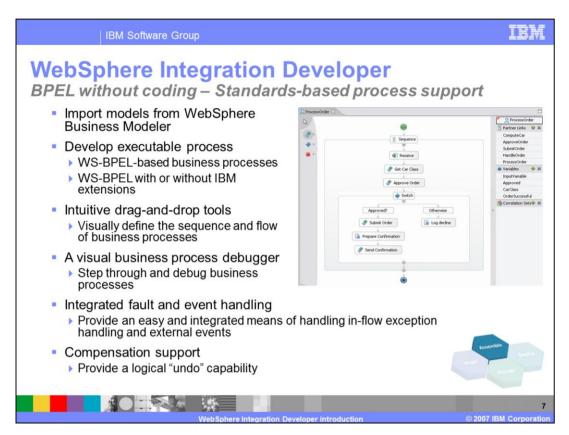
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The WebSphere Integration Developer can work directly with the WebSphere Business Modeler. So the process models can be directly imported and implemented in the WebSphere Integration Developer.

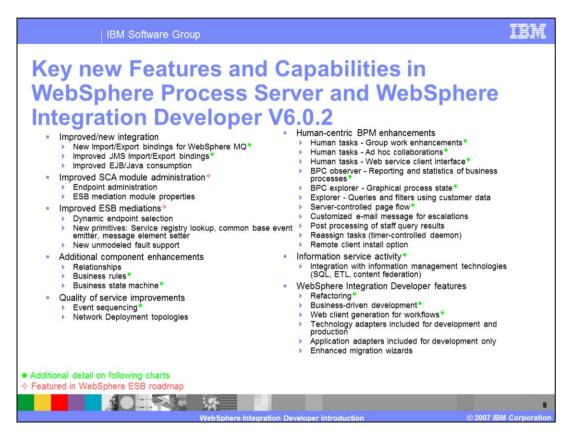
Through the simple user interface, with all tools included of the WebSphere Integration Developer, you can speed up the composite application development. Also it is the same Eclipse usability and functionality for all tools, this makes the tools easier to learn and use.

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One of the powerful tools is the BPEL editor. You can use this tool to generate complex business processes without writing any code. Also you have several additional tools to help you in creation and debugging.

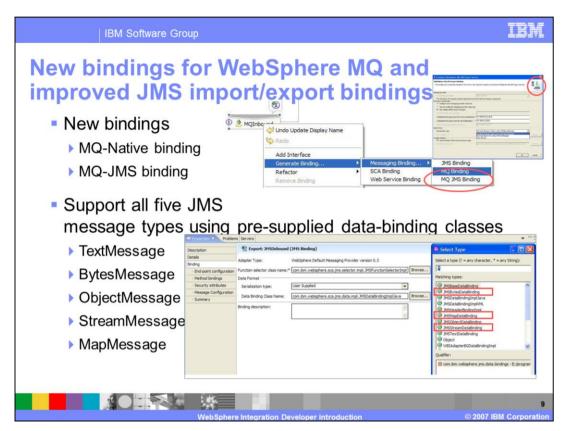
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These are the new features shipped in version 6.0.2

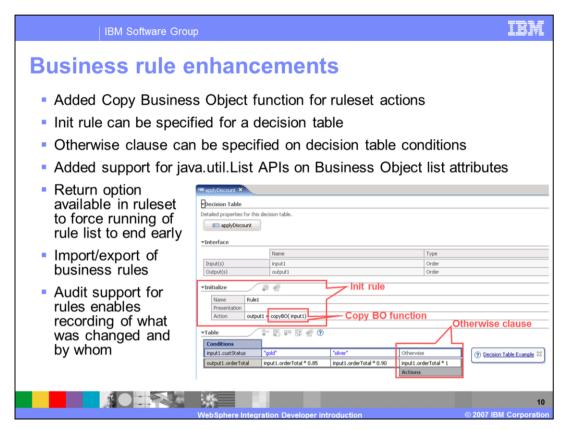
The items highlighted with green will be shown in more detail in the next few slides.

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New bindings have been introduced. These new MQ-native and MQ-JMS bindings make it easier to work in a MQ environment. All five JMS message types are supported as well, so you can use the bindings with TextMessage, BytesMessage, ObjectMessage, StreamMessage and MapMessage patterns.

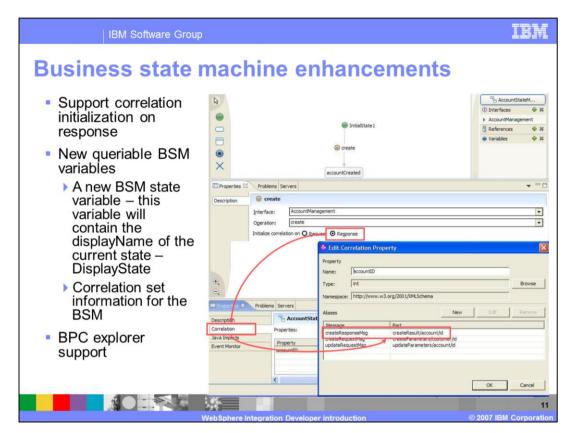
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The support for business rules have been enhanced.

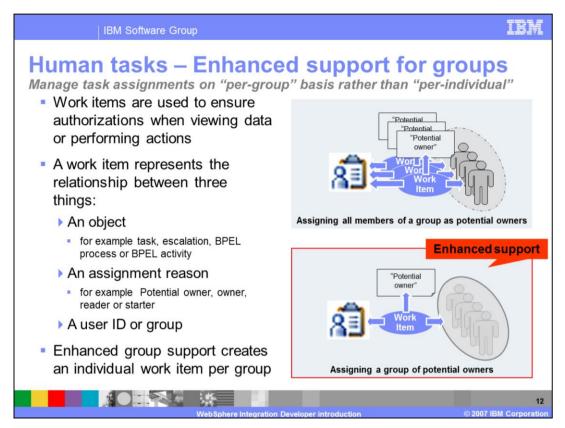
Business rules are used to have a Web-based opportunity to change values for the business process. And this without any Eclipse tools or re-deployment.

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In the business state machine tools some enhancements about correlation have been included. There is also a new variable indicating the displayName and the current state.

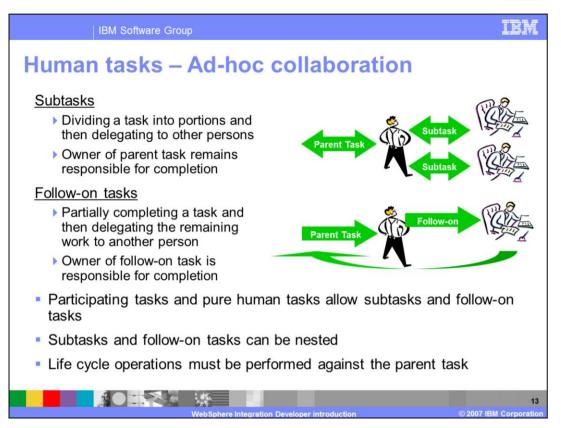
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Human tasks are an IBM extension of the BPEL standard. Also other companies are working with IBM on this idea.

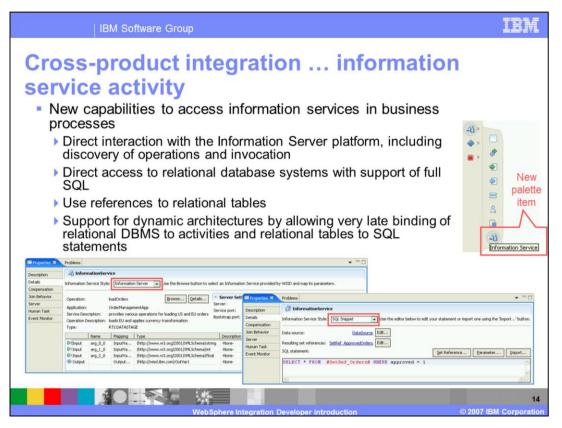
The big enhancement for this is that you can now assign a whole group as a potential owner for an activity. This makes a delegation process much easier.

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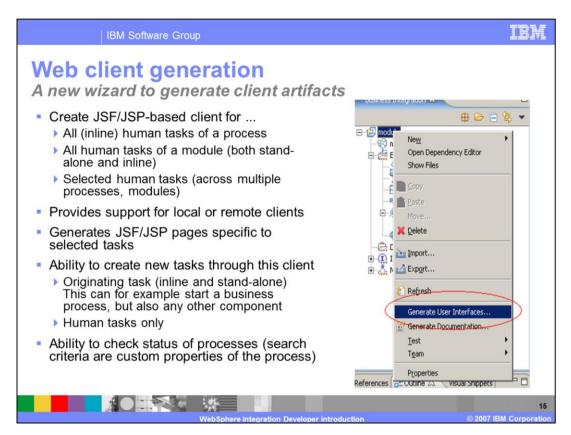
Also new in version 6.0.2 is the support to divide a task in several subtasks or to partially complete a task and then send the remaining parts to someone else as follow-on task.

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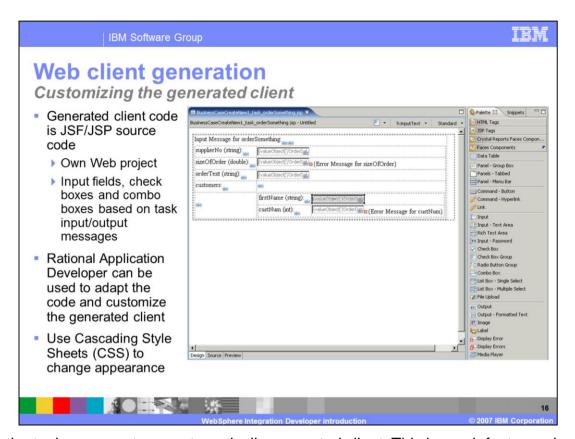
It is now possible to integrate directly with the information server; this enhances the "information as a service" idea.

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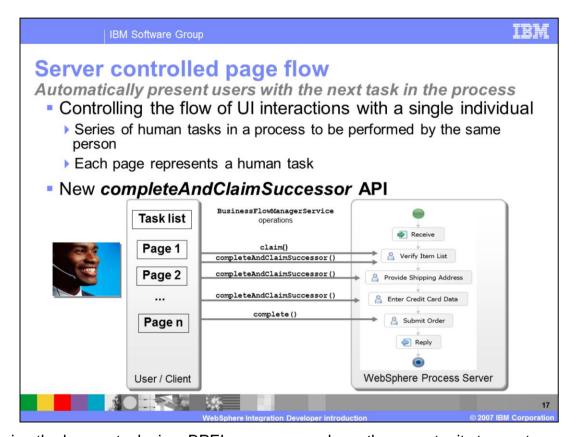
Also new in the 6.0.2 release is the possibility to create clients out of the human task definition just using a wizard. This is a fast and powerful option to get the human task portal ready.

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Now the tools can create an automatically generated client. This is much faster and easier then creating it on your own and it can be changed very easily because it is plain JSF/JSP source code.

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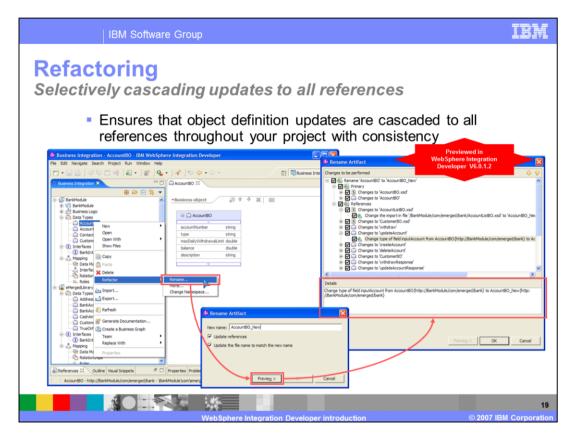
By using the human tasks in a BPEL process, you have the opportunity to create server controlled page flows.

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With a new option in the interface qualifiers, the event sequencing can be enabled. This takes care that all business events are processed in the order in which they occur.

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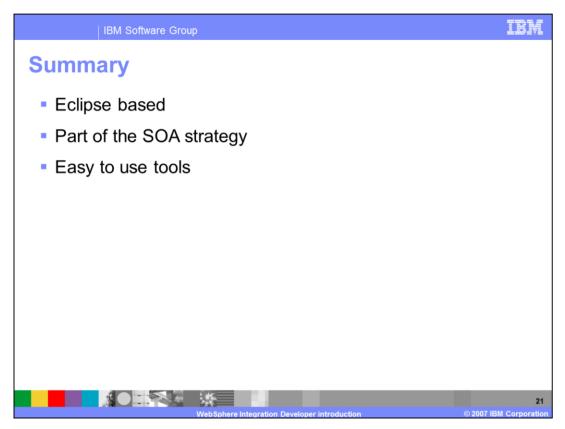
The refactoring has also been enhanced. If you change a name of a component, it automatically checks all references and shows them in a list for synchronous change.

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The last enhancements to be mentioned here are business driven. There are several enhancements to tie the IBM products closer together as you can see on this page.

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In summary, you have seen that the WebSphere Integration Developer is an Eclipse-based tool and part of the SOA strategy.

The tools focus on business processes and offers a lot of wizards to make the process development easier.

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WebSphere Integration Developer introduction

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