



IBM Software Group

# WebSphere® Business Services Fabric V6.2

## *Overview*



@business on demand.

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This presentation provides an overview of WebSphere Business Services Fabric V6.2.

## Agenda

- High level overview of version 6.2 WebSphere Business Services Fabric release
- Some basic familiarity of business space is required in 6.2
- Provide some idea of the concepts behind the new business user tools



First, a look into the new features of WebSphere Business Services Fabric version 6.2. In this release there have been some significant advancements in Business Space integration with the Fabric. After covering the features in version 6.2 you will get further insight into the new Business User tools in Business Space.

## 6.2 Release : Foundation and Tool Pack

- New business space's
  - ▶ Business process agility management
  - ▶ Fabric authoring
  - ▶ Fabric administration
- Enhanced product installer
- Configurable context extractor
- Operating systems and databases
  - ▶ 64-bit support for foundation pack
  - ▶ RHEL on p-series for foundation pack
  - ▶ Enhanced database support
- Language support
  - ▶ Basic support for complex group languages
  - ▶ Translation for Czech, Hungarian, Polish languages

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Overview

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In version 6.2, WebSphere Business Fabric introduces several exciting new features focusing on better usability of the product tools and more efficient alignment with the WebSphere Business Process Management stack. There are three new business spaces, Business Process Agility Management, Fabric Administration, and Fabric Authoring. These templates provide access to Business Variable widget, Governance, and Business User tools. In version 6.2 Governance has been moved from Web tools into Business Space. Also in this release, the installers have been enhanced, reducing installation time. A new WebSphere Dynamic Process Edition installer is also being introduced that will install all the WebSphere Dynamic Process Edition tools. Next, version 6.2 introduces configurable context extractors that will help make implementation of context handling easier. In this release, WebSphere Business Service Fabric supports 64-bit processors for the foundation pack, RHEL on p-series and is available in Czech, Hungarian, and Polish languages.

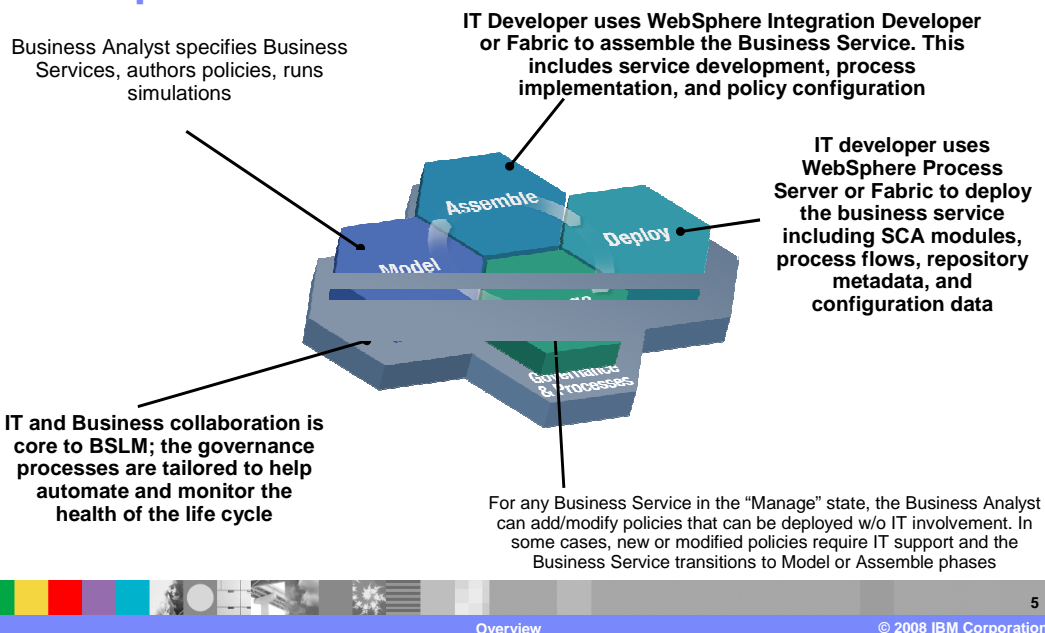
## 6.2 Release : Industry Content Pack

- Industry Content Pack
  - ▶ New PLM Content Pack
    - Supporting Automotive, Aerospace and Defense, Electronics
  - ▶ Enhanced Service Interfaces for Telecom Operations Content Pack
- Prescriptive Guidance for ICP Authoring
  - ▶ Best practices, guidelines, work breakdown

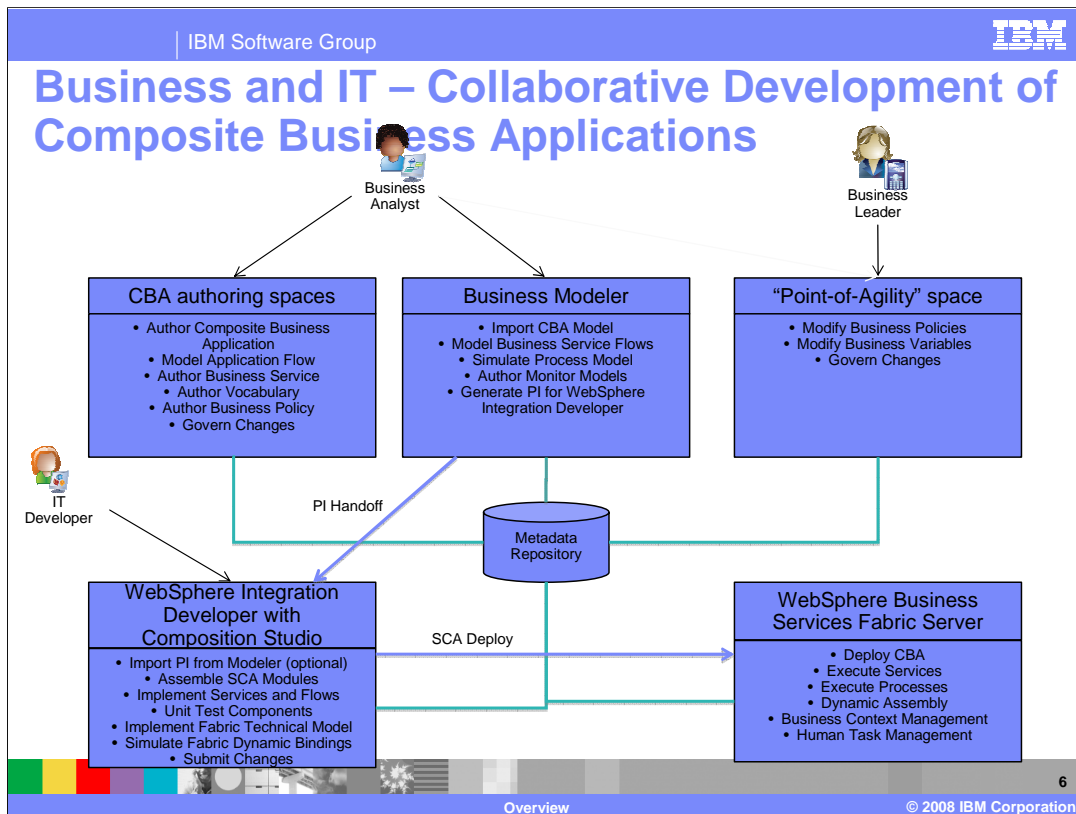


In the Industry Content Packs, a new content pack called the Product Lifecycle Management Content Pack is introduced. In addition, a prescriptive guide for developing custom Industry Content Packs is also available.

## Business service life cycle management with WebSphere Business Services Fabric 6.2



There have also been some advancements made in the business service life cycle management in version 6.2. Following the IBM SOA architecture model, the new features allow for business users and analyst to reduce their dependency on IT and enables them to adapt business services to market needs faster. In the Model phase, the business analyst are able to define a business vocabulary, author policies, and model an application through the new business space widgets. These assets will then be imported by IT into Business Modeler or WebSphere Integration Developers as needed. Therefore, the initial design will come from business. In the assemble phase, IT developers use WebSphere Integration Developer and Composition Studio to define services, process implementation, and policy configuration. In the deploy phase, the IT developers use WebSphere Process Server to deploy the business service, including SCA modules, process flows, repository metadata, and configuration data. In the last Manage phase in version 6.2, the Business Analyst can add or modify policies that can be deployed without IT involvement. In some cases, new or modified policies require IT support and the Business Service transitions to Model and Assemble phases.

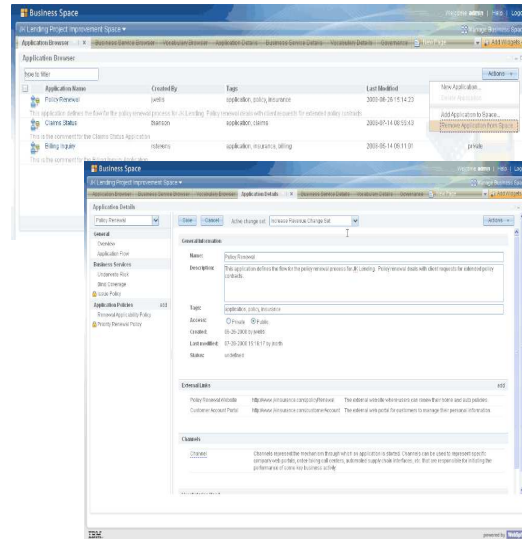


The previous chart covered advancements in the tools to increase the interaction of business analysts with business services through the life cycle of a business process following the IBM SOA architecture. In this chart, the roles and responsibilities of the different actors in the life cycle are further defined. A business analyst role will first use the Business Space Author composite business application to model Application Flow, create Business Services, Business Vocabularies, and Business Policies, and govern changes. Next, the business analyst uses Business Modeler to import the composite business application model into the Modeler work space, model Business Service flows, simulate Process Models, create Monitor Models, and generate project interchange files for WebSphere Integration Developer. At this stage, IT developers will use the exported project interchange file from Modeler and implement the technical assets in WebSphere Integration Developer and Composition Studio. IT developers can use these tools to assemble SCA Modules, implement services and flows, unit test components, implement a Fabric technical model, simulate Fabric Dynamic bindings, and submit changes for approval through the governance process. A business leader or governance administrator can then approve and publish changes through the Business Process Agility space in Business Space. The assets developed are stored in a central business service repository. Once the IT developers implement the composite business application, it can be deployed on the WebSphere Business Service Fabric Server, which is a profile of WebSphere Process Server. After deployment, the composite business application can be managed through business process agility space and fabric authoring service in Business Space by the business leader or business analyst.

## Ability to define and edit applications, business service

### Business space

- Enable business user to model business artifacts like applications, business service
- Allows defining the application flow
- Business Services can be visualized and edited
- Changes to business service and applications are governed



The next few slides provide a deeper look into business space. In version 6.2, a business user can model business artifacts like applications and business services, allow defining an application flow, manage business services, and govern changes to business services and applications.

## Fabric Business Space Widgets – Authoring Space

- Ability to author and model
  - ▶ Composite Business Applications
  - ▶ Application Flow
  - ▶ Business Services
  - ▶ Business Policies
  - ▶ Business Vocabulary
- Business Policies are defined in simple statements
- Ability to Visualize Business Services
  - ▶ A business analyst has an ability to define and model new business vocabulary terms
- Ability to govern changes – Review, Audit changes

Change Set	Submission Date	Submission	Status	Actions
25: New Policy for auto-approved renewals	July 22, 2008 at 11:42 AM	Mark Samitich	Approved	Cancel
24: New policy for auto-approved renewals	July 22, 2008 at 11:42 AM	John North	Drafting	Cancel
23: New Policy for auto-approved renewals	July 22, 2008 at 11:42 AM	John North	Platform	Cancel
22: New policy for claims connection	July 22, 2008 at 11:42 AM	John North	Platform	Cancel

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Overview

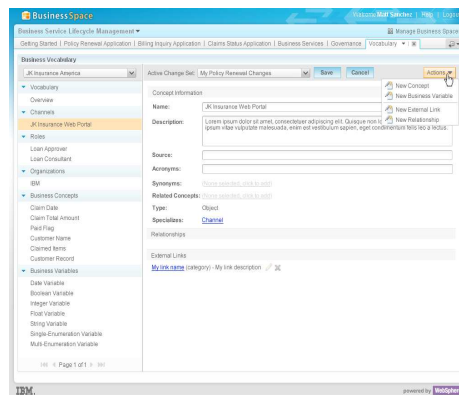
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In the Fabric Authoring space introduced in version 6.2 the business user can create and model Composite Business Applications, Application Flow, Business Services, Business Policies, and Business Vocabulary. In addition, the business user can define business policies in simple statements and visualize the business services. Finally the governance manager has been moved from Web tools to business space.



## Business vocabulary authoring

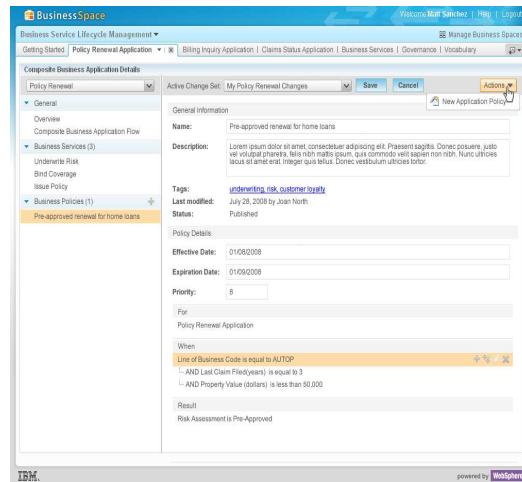
- Enable business user to model and author new business terms to create and update a business vocabulary
- The vocabulary terms can be used for modeling assertions



Next in business vocabulary authoring, the business user can model, create, and update new business terms. These are vocabulary terms that can then be used for creating simple business policies using language specific to the business domain.

## Business policy authoring and management

- Business user can define business policies in a simple English like language
- Business user is able to modify behavior of business services by modifying existing business policy and business variables
- Modification of business policy and business variables can be done without IT intervention
- All changes are governed through governance manager



In business policy authoring and management, business users can define business policies in a simple English-like language. Business users can modify behavior of business services by modifying existing business policy and business variables. In this way, modification of business policy and business variables can be done without IT intervention. All changes made will go through a complete governance manager.

## Fabric business space widgets – Point of agility space

- A business analyst are able to visualize and refine the behavior of business service
  - ▶ They do this by changing the business policies and business variables
- All change lists are governable – Review, Audit changes

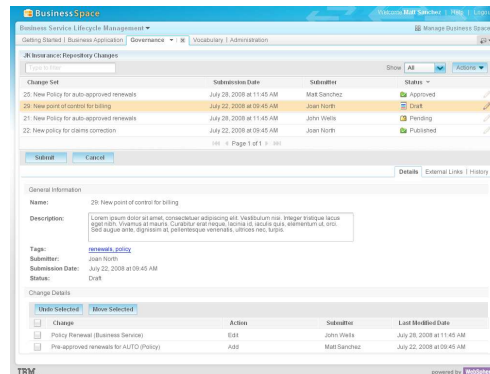
The image displays three overlapping screenshots of the IBM BusinessSpace user interface. The top-left screenshot shows a 'Policy Review' window with a 'Change Information' section and a 'Policy Details' section. The top-right screenshot shows a 'Policy Review' window with a 'Policy Review Summary' section and a 'Policy Details' section. The bottom screenshot shows a 'Change Set' window with a table of change sets.

Change Set	Submitter	Submittal	Details	Change
Policy Review (Business Service)	John Davis	July 26, 2008 at 11:45 AM		
Policy Review (Business Service)	John Davis	July 26, 2008 at 11:45 AM		

After authoring business the business user can use the point of agility space to visualize and refine the behavior of business services. Again all changes made will go through a complete governance cycle.

## Change governance in the business space

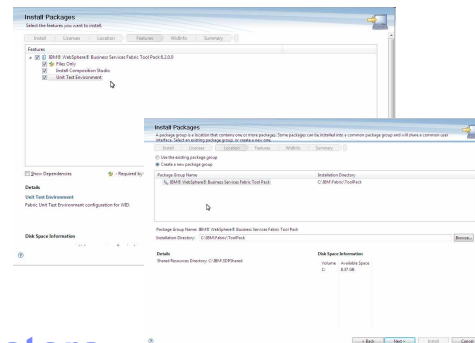
- Governance Manager is accessible through Business Space
- All changes made are governable
- Changes made through Composition Studio are governed through business space widget



While creating and updating business assets, the business user in version 6.2 can assign each change to a particular change side. After completing a particular set of tasks you can submit the change set for approval. A governance administrator can then approve, publish or reject. Even changes made in the composition studio follow the same process.

## Enhanced product installer

- Provide a synchronized look to install Fabric
- Installation Manager used to drive installation of Tool Pack
- Foundation Pack installation supports Golden Topology
- Simplified installations through profile templates for all type of deployments including z/OS®



## Configurable context extractors

- API defined to easily extract data items from inbound SDO object and insert them into context



Here are some enhancements to the product installer. In version 6.2, the interface of the Fabric installer has been streamlined with the remaining stack of BPM. Also the installation has been simplified through profile templates for all types of deployments, including z/OS. Version 6.2 introduces a WebSphere Dynamic Process Edition that lets you install all the dynamic processing tools like Business Modeler, WebSphere Integration Developer, Business Monitor and WebSphere Business Services Fabric.

## Business Service Re-use

- Enable business user to use a already defined business service in multiple Applications
- Behavior of business service used in different applications can be varied using business policies
- Enables reuse of business metadata

## Monitor Fabric integration

- Guide to use monitor KPIs in DA for automated feedback loop
  - Covers configuration of Fabric/ monitor workspace
  - Understand the APIs used to query Monitor for KPIs and their current value
  - Step by Step process through sample scenarios



In version 6.2 there are also enhancements for more efficiently reusing business services. You can reuse business services, business metadata and business vocabulary in multiple applications while modeling them in the Fabric authoring space. The behavior of a business service can be varied in different applications. Finally, enhancements have also been added around Monitor-Fabric integration. A guide is provided to use key performance indicators in the dynamic assembler for an automated feedback loop with sample scenarios and examples.

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