



IBM Software Group

WebSphere Business Service Fabric

New in Governance Manager version 6.2



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This presentation covers the new features in WebSphere® Business Services Fabric version 6.2 updates to governance manager.

Agenda

- Version 6.2 updates overview
- Key terms
- Governance in business space
- Change work flow
- Composition studio : auto – publish
- Web tools updates
- Summary



In version 6.2 there were several updates made to governance. You will first be provided a overview of these updates. Next this presentation will cover some of the key terms introduced in this version. After that this education module will cover governance updates in business space and the change management work flow. The last topic covered is auto publishing in composition studio.

Version 6.2 updates overview

- A new governance framework introduced
- Change management moved into business space from Web tools
- Changes from business space are governed
- Change set workflow
- Addition of new project type and namespace type in Web tools



In version 6.2 you will witness some major updates made to governance and change management. A new governance framework has been introduced with a vision of better stack alignment and integration. You will also see that the change management interface is no longer part of Web tools. It is now available in Business Space. The scope of changes governed have been expanded beyond composition studio to include Business Space.

Key terms

- **Top-level object** :an entity that exists on its own in composition studio. For example-policies and endpoints are top-level objects. Endpoint assertions are not - they have an endpoint as a "parent" object
- **Change** : A change that adds, deletes, or modifies any part of a top-level object, including its child objects
- **Change set** : A collection of changes that are governed together. Every change that's made belongs to a "change set"
- **Active change-set** : A change set that has neither been published nor rejected



Before you continue, these are some terms that you should familiarize yourself with. First lets talk about top level objects. A top-level object is an entity that exists on its own in composition studio. For example policies and endpoints are top-level objects, where as endpoint assertions are not as they have an endpoint as a "parent" object. Next let's look at the concept of change. A change is any addition, deletion or modification to a top level object including that object's children. A collection of such changes is a called a change set. Every change that's made belongs to a "change set". All the changes in a change set move through their governance states together, as a group. While you can examine the individual changes that belong to a change set, the governance tools operate on an entire change set at once. A change set that has neither been published nor rejected is called active change sets these changes are never visible to the production system. Next you will cover the new additions to business space.

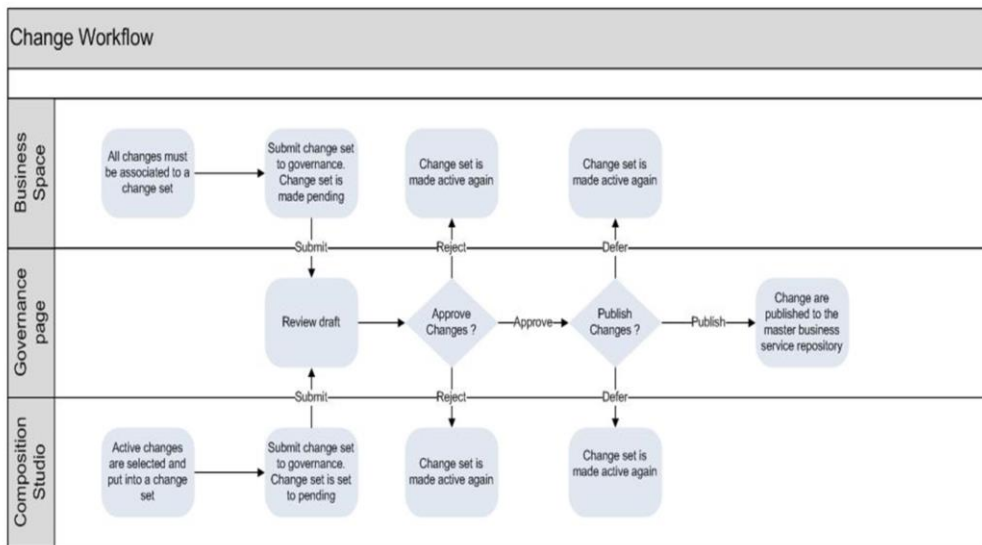
Governance in business space

- New governance page in each fabric based business space
- Fabric administrators and business page owners can only approve or publish changes
- *Best practice: associate all changes to a top level objects to one change set*

The screenshot displays the IBM Governance Manager interface. At the top, there are navigation tabs: 'Getting Started', 'Governance', 'Fabric Authoring', 'Business Vocab Browser', 'Vocabulary Details', and 'New Page'. Below this is a 'Change Set' section with a search bar and a table listing change sets. The table has columns for 'Number', 'Change Set', 'Submission Date', 'Submitter', 'Status', and 'Business Space'. A single entry is shown: Number 000004, Change Set 'Vocab Changes', Submission Date '2009-04-12 / 05:09:15', Submitter 'admin', Status 'Draft', and Business Space 'Fab Auth'. Below the table are buttons for 'Submit Change Set' and 'Cancel Change Set'. A 'Details' section on the left shows 'General Information' for the change set, including its number, name, description, tags, submitter, submission date, and status. A 'Change Details' section at the bottom lists change types like 'Account Vocabulary' and 'Complex Business Concept'. A 'Create New File' dialog box is open in the center, with a red box highlighting the 'Select a change set' dropdown menu, which currently shows 'Vocab Changes'. A red arrow points from the 'Change Details' section to this dropdown menu. The bottom of the screen features a blue bar with the text 'New In Governance Manager version 6.2' and '© 2009 IBM Corporation'.

In business space each fabric based business space has a governance page associated with it. All changes made need to be reviewed, approved and then published before they can be added in the master business repository. Only fabric administrators and business space owners can approve and publish changes. The image shows the new governance page. When any change is made in business space it must be associated to a change set. As a best practice, associate all changes to a top level object to one change set. Next you will cover the change-set workflow.

Change workflow



This slide covers change management workflow to manage changes from business space and composition studio. Each change created by a user working in business space are kept in draft state as these changes are not considered ready to share. Similarly all changes made in composition studio are kept as active changes. It is important to note that active changes in studio are not invisible to a business space user. Changes that are ready to be shared with a larger group are first submitted to governance for approval. For a studio user, this process is unchanged from previous versions and you can still choose a part or all active changes to submit as the change set. Submitted changes move automatically into a pending state, where other studio users can see them through replication, and other users of the business space can review them. Pending changes are then reviewed by a fabric administrator in the governance page and can then be approved. Approved changes need to be published in order for them to be visible to the production fabric server. At any time before publishing, a change set can be sent back to a draft state, and, from there, rejecting or deferring them entirely. After publishing, a change set cannot be undone. To undo a published change set, a user must manually submit another change set that reverses the changes that should be backed out. Further, governance manager defends against conflicts by enforcing change set integrity. This is implemented with a set of rules that ensure that change sets can be managed in isolation. These rules ensure that the system groups dependent changes to a top level object in the same change set. These rules relieve the governance administrator from worrying about conflicting changes, and allow change sets to be published out-of-order. The next topic you will cover is auto publish in composition studio in the development environment.

Composition studio: Auto-publish

- Allows a developer to test changes on their local machine quicker
- Composition studio's unit test environment runs in auto-publish mode, where any changes that are submitted are immediately and automatically published



This slide talks about the automatic publish feature in the development environment. In composition studio's unit test environment runs in auto-publish mode, where any changes that are submitted to governance are immediately and automatically approved and published. This allows a developer to test changes on their local machine much quicker without having to go through the additional governance steps each time a change is made. Next you will cover the updates in Web tools.

Web tools updates: Project types

WebSphere Business Services Fabric

Welcome, a
Login Time: Jan 26, 200

My Services

- Welcome
- Business Services Repository
- Governance Manager
- Configure Environments
- Configure Namespaces
- Configure Projects
- Configure Repository
- Import/Export
- Manage Teams
- Manage User Accounts

Configure Projects

Project Selection

View 10 rows at a time

15 rows Page 1 of 2

Project Name	Project Type	Description	Last Modified
Claims Intake	Composite Business Application	--	Jan 26 12:56
Verify Claim	Business Service	--	Jan 26 11:49
Fabric Business Glossary	Vocabulary	Used to store all Business Vocabularies.	Jan 26 8:46:11
Telecom Operations Content Pack	Legacy Business Service	Contains Business Service Reference Templates including Business Services, web services, channels, roles and policy templates	Jan 17 3:38:06
Telecom Operations Business	Business Service	Defines business capabilities and processes with their relationships	Jan 17

- Three new project types: composite business application, business service, vocabulary
- These are created automatically from business space
- Fabric business vocabularies must be manually imported to the business application

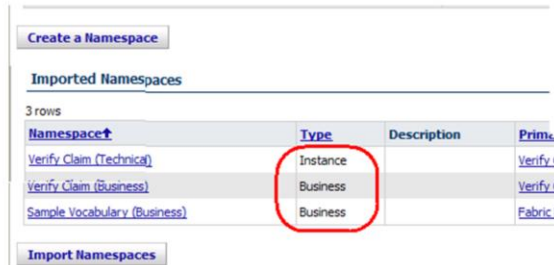
New In Governance Manager version 6.2

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In version 6.2 three new project types namely composite business application, business service and vocabulary have been introduced. The scope of these projects is the business applications and related assets like business services and vocabularies authored by business users in business space. When business applications are published to the master repository these projects are created automatically from business space. All business service namespaces associated with a business application are automatically imported. However, vocabularies need to be manually imported or else the concepts will not appear in the assertion explorer.

Web tools updates: Project namespaces

- New Business type namespace: Used store content authored by business users.
- An instance namespace has been pre allocated for studio content



Namespace	Type	Description	Primary
Verify Claim (Technical)	Instance		Verify C
Verify Claim (Business)	Business		Verify C
Sample Vocabulary (Business)	Business		Fabric f

In version 6.2 business type namespace was also introduced. These namespace store content authored by business users. Such content can only be edited in business space and is read only in Composition Studio. An instance namespace has been pre-allocated for studio content. Business service used by the application are automatically imported.

Summary

- Version 6.2 updates overview
- Key terms
- Governance in business space
- Change work flow
- Composition studio: Auto – Publish
- Web tools updates



In summary this presentation covered some of the key terms introduced in governance that you should be familiar with. This presentation covered governance updates in fabric based business templates and change management work flow. Auto publishing in composition studio and updates in Web tools were also discussed.

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