
WebSphere Business Space V7.0.0.3

Overview of what's new



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This presentation provides an introduction to WebSphere Business Space V7.0.0.3

New Business Space features for V7.0.0.3

- Support for Firefox 3.6
- Support for *locked down* mode
- Performance improvements aimed at slower networks.

WebSphere Business Space V7.0.0.3 provides an incremental step from the previous version.

First there is support for Firefox 3.6, then a new feature that enables an administrator to prevent users from creating their own business spaces. And finally there are improvements in the performance when using Business Space on a slower network.

Each of these features and enhancements are discussed in the next few slides.

Support for Firefox 3.6

- Firefox 3.6 is now officially supported with the
 - WebSphere Business Process Management V7.0.0.3 suite
 - WebSphere Business Monitor
 - WebSphere Business Process Choreographer
 - WebSphere Business Modeler, Interactive Process Design
 - WebSphere Business Compass



Firefox 3.6 is now officially supported with the WebSphere Business Process Management V7.0.0.3 suite.

Since Business Space is the common user interface for the entire WebSphere Business Process Management suite, this statement of support applies to all of the products,

Support for lock down mode

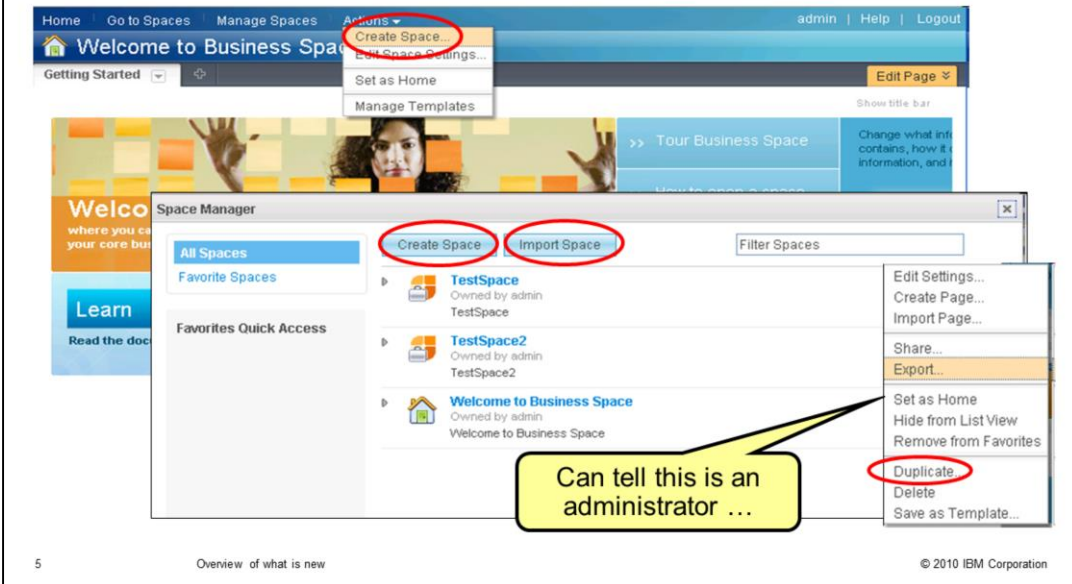
- As an administrator, I want to be able to control who can create, duplicate, and import business spaces.
- As an administrator
 - if Business Space is in *locked down* mode, I am able perform all Business Space functions, including:
 - create a space
 - duplicate a space
 - import a space
- As a general user
 - if Business Space is in *locked down* mode, I am able to perform all standard functions based on my access rights, **except** for:
 - create a space
 - duplicate a space
 - import a space

The motivation for the new 'lock down' mode is described here by three administrative scenarios.

WebSphere Business Space is designed to give the business user control over their environment. By default, any user can create their own Business Space, customize it the way they want, and invite others to join them.

In some enterprise situations there is a need to control this default behavior and restrict who can create new business spaces. The 'lock down' mode provides the system administrator the authority to hide the create, import and duplicate business space functions.

Admin user with lock down mode enabled



Shown here are screen captures of the places in business space where the create, import and duplicate functions are located.

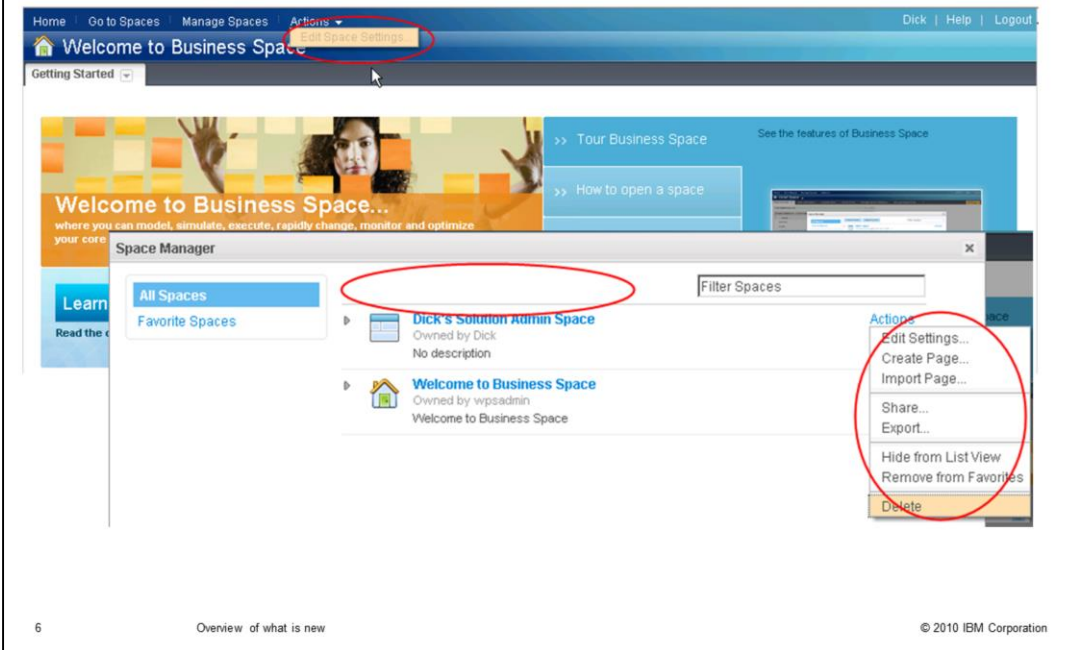
The create space function shows up in two places, the 'actions' menu from the main toolbar and in the space manager.

The import space function is an option from the space manager.

The duplicate space function is an option from the action menu for each business space listed in the space manager.

You can tell that the person currently logged is an administrator because the option to set the business space as the home space is available. Only administrators can set the home space.

General user with lock down mode enabled



The screen captures here show what it looks like when a non-administrative user is logged into a business space that has been locked down.

The red circles highlight the areas where functions would appear if the business space environment was not 'locked down'.

WebSphere Business Space superusers

- With Business Space
 - superuser == Administrator
- A superuser can *lock down* Business Space so that only people who log in as a **superuser** can create or import business spaces.
- superusers can create a business space and transfer ownership to a non-superuser.
 - The non-superuser can then administer the business space normally. They can set who can view and edit the space and its properties, add pages, and so on.
- Note: The ability to prevent users from creating business spaces is not available for Business Space running on WebSphere Portal Server

Integrated Solutions Console Welcome 499311897 Help | Logout IBM

Administrative User Roles Close page

Administrative User Roles

Use this page to add, update or to remove administrative roles to users. Assigning administrative roles to users enables them to administer application servers through the administrative console or through wsadmin scripting.

Logout Add Remove

Select	User	Role(s)	Login Status
<input type="checkbox"/>	jstratfo	Administrator	Not Active
Total 1			

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With business space an administrator is called a superuser. A superuser is anyone the has the administrative role in the WebSphere security configuration. This is done through the WebSphere administrative console.

A superuser can *lock down* the Business Space environment so that only people who log in as a **superuser** can create, import or duplicate business spaces.

Note: That the ability to prevent users from creating business spaces is not available for Business Space running on WebSphere Portal Server.

Locking down the Business Space

- Edit the ConfigServices.properties configuration file
 - Change the **com.ibm.mashups.lockeddown** setting to **true**
 - For a stand-alone server:
`profile_root\BusinessSpace\node_name\server_name\mm.runtime.prof\config\ConfigService.properties`
 - For a cluster:
`deployment_manager_profile_root\BusinessSpace\cluster_name\mm.runtime.prof\config\ConfigService.properties`
- Run the **updatePropertyConfig** command
 - For a stand-alone server: `$AdminTask updatePropertyConfig {-serverName server_name -nodeName node_name -propertyFileName "profile_root\BusinessSpace\node_name\server_name\mm.runtime.prof\config\ConfigService.properties" -prefix "Mashups_"}`
 - For a cluster: `$AdminTask updatePropertyConfig {-clusterName cluster_name -propertyFileName "profile_root\BusinessSpace\cluster_name\mm.runtime.prof\config\ConfigService.properties" -prefix "Mashups_"}`
- Run `$AdminConfig save`.
- Restart the server or cluster.

http://publib.boulder.ibm.com/infocenter/dmndhelp/v7r0mx/topic/com.ibm.bspace.help.admin.doc/customizing/preventing_users_from_creating_business_spaces.html

The information shown here provides a quick reference for how to lock down the business space environment. The full details can be found in the version 7.0 information center. The URL is shown here.

You edit the configuration file.

Run a couple of commands to update and save the configuration with the new information.

Restart the server or cluster.

The ConfigServices.properties file

- There are two sections in the file that pertain to the locked down mode.
 - com.ibm.mashups.properties.client
 - At the top of the file
 - This describes the attributes that are visible to the client
 - There should be an entry for the locked down mode
 - **com.ibm.mashups.lockeddown**
 - Should be there by default, but if there is a problem... check for this
 - A section to set the values of the properties
 - At the bottom of the file
 - As shown on the previous slide.

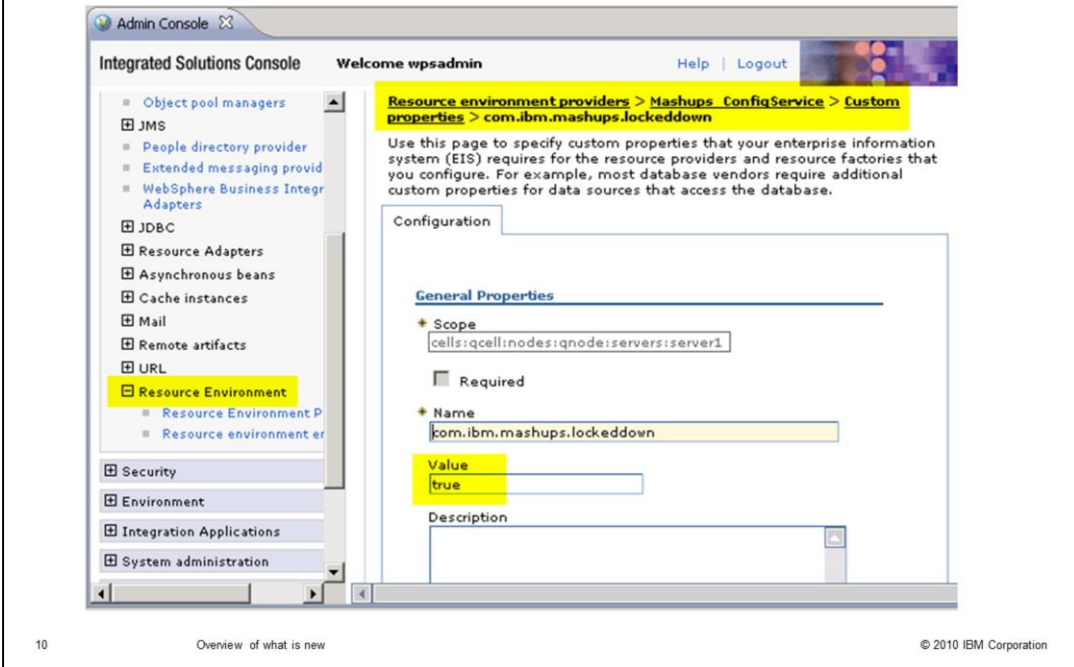
When editing the file there are two places the you need to check.

Towards the top of the file, in the com.ibm.mashups.properties.client section, there should be an entry for the locked down mode.

This attributes listed in this section are the ones that are visible to the client. The attribute for the locked down mode should be there, but there have been situations where it was missing. If it is missing, just added it in.

At the bottom of the file is where you set the value of the attribute. By default it is set to false.

Using the Administration Console to verify the state



If you need to verify the state of the `lockeddown` property, you can use the administrative console.

The recommended way to set the property though, is to update the `ConfigService.properties` file and then run the command.

Although you can use administration console to make changes, the master copy of all the settings are in the `ConfigService.properties`.

Any subsequent action using the admin command can overwrite the changes you make in administration console.

Slow networks

- Slow networks are...
 - Wireless connections
 - Across the country
 - Across the world
- Some average numbers:
 - Intranet : ~10ms
 - Between major US cities: ~40ms
 - Transatlantic latency: ~80ms
 - Transpacific latency: ~110ms
- Latency becomes a problem when the number of transactions (requests) increases



The final topic in this update presentation is the performance improvement for 'slow networks'. To understand the improvement you need understand what is meant by a slow network. A slow network is one defined as either a wireless network, or one where there is latency introduced by distance.

As you can see here the farther away the client is from the server, the slower the network response time. We've all experienced this in some fashion.

The latency becomes a problem when the number of requests increases.

Summary of V7.0.0.3 performance improvements

- For clear cache page loads...
 - Reduce number of HTTP requests by ~50%
 - Reduce page load times by ~30-40%
- For primed cache page loads...
 - Reduce page load times by ~15%

Note: IE6 results not included in this summary

By focusing on reducing the number of requests the IBM Business Space development team was able to achieve the results shown here.

For the clear cache scenario the number of HTTP requests was reduced by approximately 50 percent

and the page load times by approximately 30-40%

For the primed cache scenario the page load times were reduced by approximately 15%

Summary

- Support for Firefox 3.6
- Support for *locked down* mode
- Performance improvements aimed at slower networks.

For the V7.0.0.3 release of WebSphere Business Space there is now full support for the Firefox 3.6 browser, support for managing who can create, import and duplicate business spaces and performance improvements over slow networks.

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