WebSphere Process Server V6.2

Business Space

This module will cover the supported business space widgets for the WebSphere® Process Server.

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Agenda

- New Business Space widgets
  - ▶ Features
  - ▶ Usage
  - ▶ Limitations

Each of the business space widgets that are available in a stand-alone WebSphere Process Server environment are discussed. The features provided and their usage are covered for each of the new widgets. There are a few limitations on what functions can be done in the business space which are normally available in the administrative console or WebSphere Integration Developer. As other products are added to the process server environment, they will install additional widgets for that product. These widgets are discussed in separate modules for that product.

WebSphere Process Server widgets

- Administration configuration
- Solution Management
  - ▸ Business Calendar Manager
  - ▸ Health Monitor
  - ▸ Security Manager
  - ▸ Business Rules
- Task Management
 - ▸ Task control
  - ▸ Human workflow
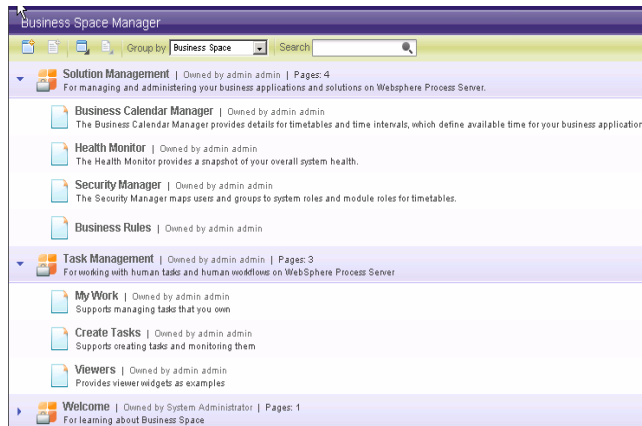
When you install the WebSphere Process Server and create a stand-alone server, you will, by default, have a business space created. It will contain the business calendar manager, the health monitor and the security manager as widgets which can be used within your business space. If you did not select to install business space during the profile creation, then you can go to the system administration and select to install business space for this server. The business rules can be added to you business space using the add widgets button. These are the available widgets which can be used with a stand-alone server. As other products are installed, additional widgets for those products can be added to your business space.
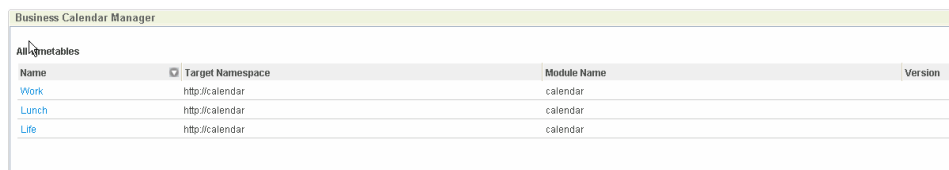
An additional business space page can be added for task management using the "Managing tasks and workflow" template. This provides the creation and tracking of tasks related to human workflow. The creation and tracking of to-do tasks are discussed but the details of task management are covered in the human task presentation.

Business Calendar Manager widget

- No initial timetables

Business Calendar Manager

All Timetables
No timetables are currently in the system.
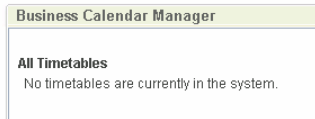
- Created through WebSphere Integration Developer

Business Calendar Manager

All timetables

Name	Target Namespace	Module Name	Version
Work	http://calendar	calendar	
Lunch	http://calendar	calendar	
Life	http://calendar	calendar	

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The business calendar manager is used to work with business calendars and timetables. Initially, the system has no calendars or timetables created. You must use the WebSphere Integration Developer to create the calendar and any timetables. Each timetable has three security roles associated with it: owner, reader, and writer, which you can assign through the security manager. These roles are not seen within the business calendar manager but are referenced to allow access to the timetables based on the rights enabled.

Timetable

- View timetable

- Add time intervals

By clicking on the timetable you can view and edit the timetable intervals. The intervals can be edited by clicking on the start date or deleted by selecting the row and clicking on the delete time interval button. A new interval can be created allowing a subject and time parameters to be entered. Any changes made to the intervals will exist only in the server and not be reflected into the module developed in the integration developer.

Security Manager widget

- System roles
  - BPMadmin
  - BPMrolemanager
- Module roles
  - Owner
  - Reader
  - Writer

The security manager widget gives the administrator the ability to manage the new role-based security features being introduced in V6.2. There are two BPM Security management roles for BPMadmin and BPMrolemanager. The BPMadmin assigns the users and groups allowed for the BPMrolemanager. The BPMrolemanger can then assign users and groups for each of the module roles. There are three new resource security roles for reader, writer and owner of a module. The security manager currently allows configuration of these roles for each of the intervals created for a calendar module. The role authorization starts with all authenticated. Un-checking this box will allow the individual selection of groups or individuals that have access to this calendar role.

Security administration
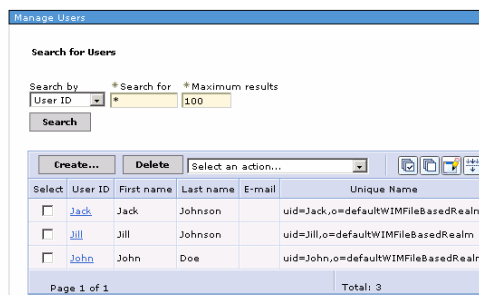
- Manage users and groups
- Create user and group roles
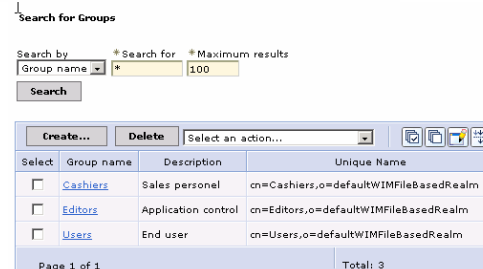
Before user and group assignments can be made from the business space security manager, the administrative console must be used to create the users and groups. A search criteria can be entered to see which groups or users have already been created. All groups and users created from these panels can be selected from the security manager.

Create users

- Manage users

You can see all existing users from this screen and select to edit, create or create a new user from a selected user profile. The new user must have a user ID, first name, last name and enter a password. Group membership can also be selected. Group membership allows the user access if the group is selected as the authorization. The E-mail address is an optional field.

Role authorization

Security Manager

System Roles

Role	Target Namespace	Description
BPMAdmin	BPMAdmin	BPMAdmin role manages BPMRoleManager
BPMRoleManager	BPMRoleManager	BPMRoleManager manages roles for business calendars

Module Roles

Module: calendar

Role	Target Namespace	Description
WorkOwner	http://calendar	Owner for Work
WorkReader	http://calendar	Reader for Work
LunchReader	http://calendar	Reader for Lunch
LifeOwner	http://calendar	Owner for Life
LunchWriter	http://calendar	Writer for Lunch
LifeWriter	http://calendar	Writer for Life
WorkWriter	http://calendar	Writer for Work
LunchOwner	http://calendar	Owner for Lunch
LifeReader	http://calendar	Reader for Life

Role Details

Role: WorkOwner
Target namespace: http://calendar
Responsibility: Owner
Description: Owner for Work

Role Authorization

☐ All authenticated

Group	User
Cashiers	mcharles
managers	dcampbell
	Jill
	lcarlesberg
	jjames
	mburnnet
	dedwards
	Jack
	redwards
	bdaniel
	admin
	John

Add ...

Add users and groups

Users or groups to search for
[*]

Maximum result
[20] Search

☐ Group	☐ User
Cashiers	mcharles
managers	dcampbell
Widget Division	Jill
Users	lcarlesberg
Home Entertainment	jjames
	mburnnet
	dedwards

OK   Cancel

- Select role
- Add users and groups
  - Enter search criteria
  - Make selections

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Once the users and groups are set up using the administrative console, the module roles can be assigned. Selection of a calendar module will display the reader, writer and owner roles for each timetable created. By clearing the all authenticated check box you are allowed to add users and groups to a selected role. Adding groups and users allows you to search for a specified search criteria. Then a selection of groups and users can be made which are added to the role that is highlighted.

Health Monitor widget

- Topology

- System
  - Applications
  - Data sources
  - Messaging engines

New Health Monitor widget allows the business administrator to monitor any of the system health parameters. The topology tab will display the available deployment environments, clusters, node agents and stand-alone servers. The system applications tab will display all system applications that are installed for the available servers. This panel shows the application name and status, the deployment target and a description. The details of all data sources are also listed. There is a panel which displays the system messaging engines with their configuration.

Health monitor

- Applications

Health Monitor				
Topology	System Applications	Applications	Queues

Applications — Showing 2 of 2   2 started   0 stopped

Status	Application Name ^	Deployment Target	Module	Module Version
→	IBMUTC	node=widNode,server=server1		
→	calendarApp	node=widNode,server=server1	calendar	

1 - 2   2

Failed Events — 0 failed events

No matching failed events.

- Queues

Health Monitor				
Topology	System Applications	Applications	**Queues**

Queues — Showing 7 of 7   7 empty   0 non empty   0 over 90% full   0 full

Queue Name ^	Messaging Engine Name	SI Bus Name	Depth	High Message Threshold	Utilization
_PSIMP.PROXY.QUEUE_0AA804B6A1460BEA	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%
_SYSTEM.Exception.Destination.aimcp052Node02.server1-CommonEventInfrastructure_Bus	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%
BPCTransformerQueueDestination_aimcp052Node02_server1	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%
aimcp052Node02.server1.CommonEventInfrastructureQueueDestination	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%
BPCCEIConsumerQueueDestination_aimcp052Node02_server1	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%
_PSIMP.TDRECEIVER_0AA804B6A1460BEA	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%
_PTRM_0AA804B6A1460BEA	aimcp052Node02.server1-CommonEventInfrastructure_Bus	CommonEventInfrastructure_Bus	0	50000	0.0%

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The applications tab will provide a list of all applications and their status along with the deployment target and module. All failed events can be seen with this panel. The queues tab provides a list of all configured queues in the system and their settings.

Health monitor configuration

- Topology
- System settings
- Applications
- Queues
- Display options

The health monitor configuration allows the restriction of topologies. Each of the deployment, clusters and stand-alone servers allow a filter to be applied. The system applications panel can restrict the applications, data sources and messaging engines that are shown. The applications also allow filtering to be applied or the selection of failed events. These configuration parameters allow an administrator to specify which environments that they want to monitor and allows some limitations of how much information is shown.

Business Rules widget

- Configuration

- Rules created in WebSphere Integration Developer
- Edit rules

Display options:
- ☐ Show templated rules only

20 [ ] Number of business groups per page
☑ Show selected business groups

Filter Rules:
[   ]

Available business rule groups   Selected business rule groups
Workout   ➡
                             ⬅

[OK] [Apply] [Restore]   [Cancel]

Business Rules   ▾ ▬ ☐

Show: [All Rules ▾]   [Save] [Reset]

Workout   **Rules** | Details

howHigh   ✎   [Rule1   ]
▷ Currently Active

howLong   ✎   [   ]
▷ Currently Active
                                      If var1 == var2 then var1 = var3

Per page: [▾]   1 - 1

The business rules widget allows viewing and editing of descriptions of the rule. The configuration of the business rules view can be seen by clicking on the down arrow in the right corner of the panel. This allows only templates to be viewed or a filter rule can be applied to specify the types business rules to view.

Task management widgets

- Create from template
- To-dos and tracking
- Related to human tasks

The task management widget can be added to the business space by selecting "add a widget" and then selecting the "managing tasks and workflow" template. The task management widget allows the viewing and updating of tasks that are created and assigned for a human workflow diagram. Additional tasks can be created but these are not associated to the module that was created for the human tasks. The task manager can also be used for creation of stand-alone task when a human work flow diagram is not created. This widget is discussed in more detail during the business process choreographer modules on human tasks.

Summary

- Solution Management
  - ▶ Business Calendar Manager
  - ▶ Health Monitor
  - ▶ Security Manager
  - ▶ Business Rules
- Task Management
  - ▶ Task control
  - ▶ Human workflow

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Business Space

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You have just reviewed the features, usage and limitations for the business space widgets for WebSphere Process Server. This module covered each of the solution management widgets along with their interaction to the system and each other. The task management was discussed briefly with more detail to be covered during the human task discussion for business process choreographer.

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