



How-to Guide
Beginning with SAP NetWeaver 2004s SPS6

How To... **Configure UWL** **with the GP** **Engine**

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Applicable Releases:
Beginning with SAP NetWeaver 2004s SPS6

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1 Scenario

The purpose of the integration between the Universal Worklist (UWL) and Guided Procedures (GP) Java processing engine is to use:

- GP for Process design
- GP Engine as a runtime engine for the workflow management and creation of work items
- UWL as a central inbox for receiving and managing GP work items

GP uses the GP engine by default for runtime activity processing. At process initiation, the process template is deployed to the workflow engine, and a workflow instance is created.

If you configure UWL appropriately, the work items that are created for each GP process step are available in UWL.

2 Introduction

This How-to Guide describes how to setup the integration between the GP workflow engine, and the UWL.

2.1 General prerequisites

- An Enterprise Portal admin user with the role *com.sap.caf.eu.gp.roles.administration*, *com.sap.caf.eu.gp.roles.designtime*, *com.sap.caf.eu.gp.roles.runtime*
- An UWL end-user with the portal role *eu_role* (it can be the same user as the admin)
- If the UWL end-user is not assigned to any activities yet (haven't participated in a Guided Procedure), you need at least one working Process that can be executed for testing purposes

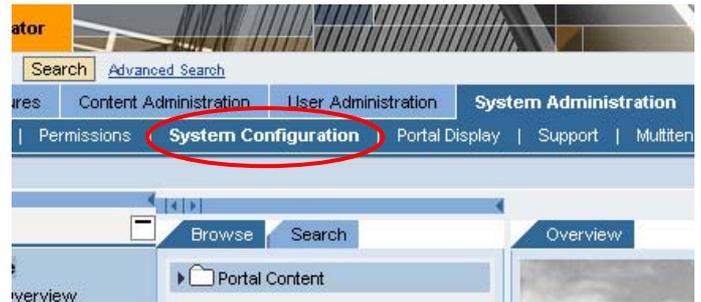
3 The Step By Step Solution

The solution for the integration between UWL and GP engine is very straightforward. First we add a new connector to the UWL that will make the work items generated by the GP Engine available in the Universal Worklist.

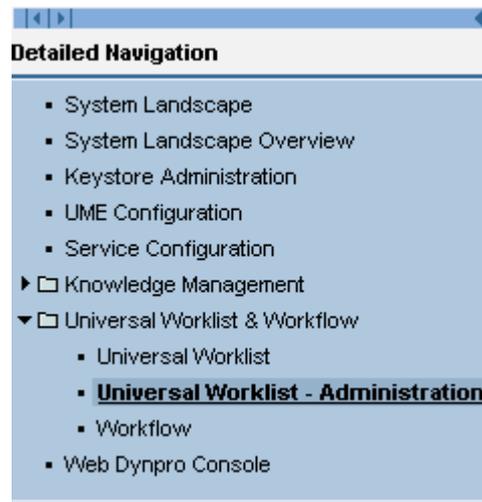
After configuring the item provider we will check whether the work items assigned to our user are presented and are ready to be executed.

3.1 Configuring the GP Connector for the UWL

1. Log on to the portal with the Enterprise Portal admin user, and navigate to **System Administration** → **System Configuration**

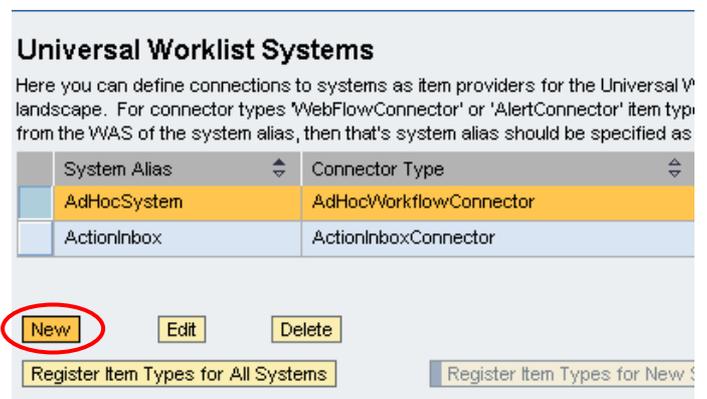


2. Click the **Universal Worklist - Administration** link in the *Detailed Navigation* section under *Universal Worklist & Workflow*



3. In the Universal Worklist System list you might see various workflow systems from which UWL gets work items.

Click **New**.



- Enter the System Alias, in this example it is *GPSystem*, and choose the *GuidedProceduresConnector* for the Connector Type.

For information on the other parameters see Connector parameters in the Appendix.

Click **Save**.

- You should see the new system in the item providers list.

For a registered system, you can activate or deactivate a connection to the back end systems using the respective buttons listed under the column *Activate Connection*.

Create new system connection

System Alias: *

Connector Type: *

Web Dynpro Launch System:

User Roles:

System Configuration Groups:

Pull Channel Delta Refresh Period (sec):

Snapshot Refresh Period (min):

Universal Worklist Systems

Here you can define connections to systems as item providers for the Universal Worklist type of items retrieved through the connection. The 'System Alias' is an alias for the system landscape. For connector types 'WebFlowConnector' or 'AlertConnector' item types have to be specified after defining a new system connection. If Web Dynpro applications are configured from the WAS of the system alias, then that's system alias should be specified as a Web Dynpro application.

System Alias	Connector Type	Action	Activate Connection
AdHocSystem	AdHocWorkflowConnector		<input type="button" value="Deactivate"/>
ActionInbox	ActionInboxConnector		<input type="button" value="Deactivate"/>
GPSystem	GuidedProceduresConnector		<input type="button" value="Deactivate"/>

3.2 Checking GP Work Items in the UWL

3.2.1 Test with a user who is assigned to one or more activities

If you already have tasks assigned to the UWL end-user then you can simply check whether the assigned activities are presented by the UWL after you've configured the connectivity to the GP Java processing engine.

- Log in with the UWL end-user who is the processor of the Action.

Get to the UWL by navigating to **Home** → **Work**

Welcome Ali Administrator

Search [Advanced Search](#)

Home | **Guided Procedures** | Content Administration | User Administration

Company | **Work** | Teams | Documents | Portal Information

Overview

Detailed Navigation

- Overview
- Personal Documents

Tasks Alerts Notifications

Show:

- From the UWL you can execute the activities assigned to you by clicking on the *Subject* field of the item

Patient Search	Patient Demo Process
Create Visit	Patient Demo Process
AddComments	HospAdminProcess

Row of 2303

3.2.2 Test with a user who doesn't have activities assigned yet

To do this, it is best to take a simple Process – one with a single block and action is sufficient. The UWL end-user will be the processor of the action. It is recommended that the UWL end-user is different from the user with which you initiate the process.

3. To demonstrate how to use the UWL in a Guided Procedure we should instantiate one.

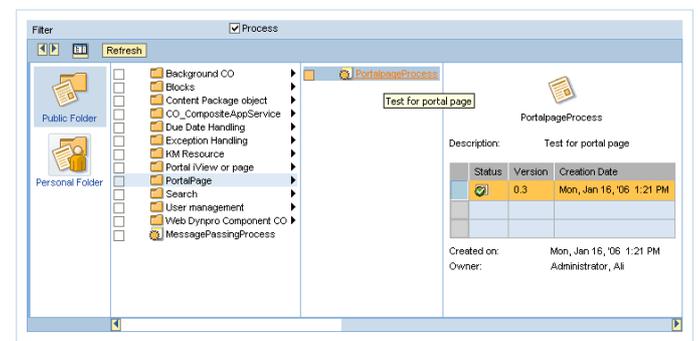
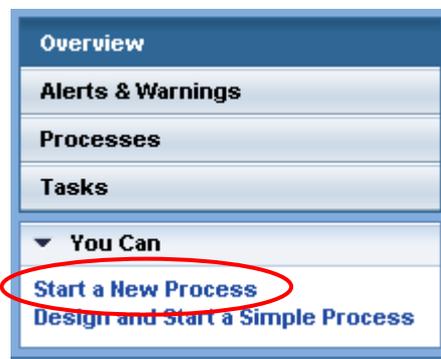
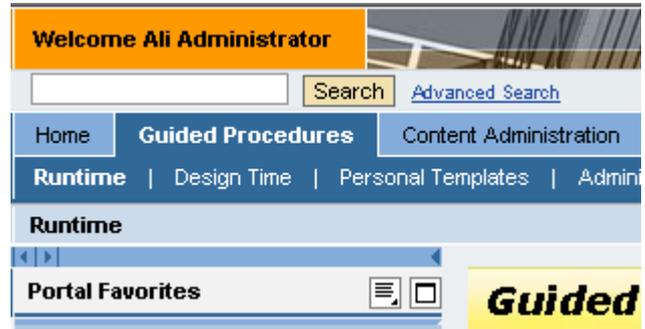
It is assumed that a working Process exists and that you have a user with the *Every User Role* who will be the processor of this Process' Action..

Navigate to **Guided Procedures** → **Runtime**.

4. Click the **Start a New Process** link in the *You Can* section.

5. Navigate to the process for which your user is a processor of one of the Actions.

Click **Next**.



Next >

- Set the processor of the actions here, if necessary, and click **Next**.

Initiate Process

1 Select Template 2 **Edit Roles** 3 Edit Basic Data

Single Instantiation
 Only one process will be started. All users of a process role will work on the same process.

Mass Initiation Processor of Action:
 A separate process will be created for every user in the selected process role.

Name
Administrator, Ali

Row 1 of 1

 Within:

Name
Administrator, Ali
Administrator, NetWeaver
Administrator, Volker

Row 1 of 3

- On the final page click **Initiate**

Initiate Process

1 Select Template 2 Edit Roles 3 **Edit Basic Data**

Initiator: *

Process Name: *

- Log in with the user of the processor of the Action.

Go to the UWL by navigating to **Home** → **Work**

Welcome Ali Administrator

Search [Advanced Search](#)

Home Guided Procedures Content Administration User Administration

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Overview

Detailed Navigation

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Tasks Alerts Notifications

Show:

- In the task list you should see the activity assigned to you.

Tasks (2479 / 2551) Alerts Notifications Tracking

Show:

Subject	Process	From	Sent
View request	HospAdminProcess	Administrator, Ali	Today
View request	HospAdminProcess	Administrator, Ali	Today
View request	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Eipe, Reneeth	Today
AddComments	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Administrator, Ali	Today
AddComments	HospAdminProcess	Administrator, Ali	Today

Row 1 of 2550

- Click the activity that is created when you instantiated the Process.

Tasks (2479 / 2551)		Alerts	Notifications	Tracking
Show: New and In Progress Tasks (2479 / 2551) Guided Proc				
Subject	Process			
View request	HospAdminProcess			
View request	HospAdminProcess			
View request	HospAdminProcess			
AddComments	HospAdminProcess			

- The user interface of the activity where your action is required appears.

You can work with your activities here just like in the Guided Procedures Work Center (Guided Procedures → Runtime)

HospAdminProcess

View request Processor: Administrator, All Attachments: (0)

Process Activities Overview Process Information Process Activities Phases Activities • View request • AddComments • View request • Patient Search Options <input type="checkbox"/> Patient Search You Can There are no additional activities that you can carry out	lastname <input type="text"/> firstname <input type="text"/> birthdate <input type="text"/> patientnumber <input type="text"/> Comments test2344 <input type="button" value="OK"/>
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4 Appendix

4.1 Connector parameters

Parameter	Description and Use
<i>System Alias</i>	<p>The name of the alias for the back end system, as defined in the Portal System Landscape.</p>  <p>If Web Dynpro applications are configured on a WAS which is different from the WAS of the system alias, then specify that system alias as a Web Dynpro system.</p>
<i>Connector type</i>	<p>This is the identifier with which the connector is registered. It indicates the type of items retrieved through the connection. For example: <code>WebFlowConnector</code>.</p>  <p>For connector types <code>WebFlowConnector</code> or <code>AlertConnector</code> item types have to be registered with the UWL service when a new system connection has been defined.</p>
<i>Web Dynpro Launch System</i>	<p>Enter the Web Dynpro system name if the WAS for the system is not the same as that running the Web Dynpro. Leave empty otherwise.</p>
<i>User Roles</i>	<p>Delimit who can get work items via the user role. For example, you can assign a portal role here, such as <i>buyer</i>. Only users with the role <i>buyer</i> will see items from the provider system in the UWL. You can have multiple user roles separated by semi-colon.</p>
<i>System Configuration Group</i>	<p>Leave this blank when working with the default UWL iView. If you are configuring a large system landscape: you can add a number of configuration groups separated by commas but only one configuration group per iView.</p>
<i>Pull Channel Delta Refresh Period (in Seconds)</i>	<p>This property belongs to the Delta Pull Mechanism</p> <p>Without using the refresh feature, new items are fetched from the backend every minute. Default: 60 seconds.</p> <p>No optimized pull take place if you leave the field empty or enter a negative number.</p>

<i>Snapshot refresh period</i>	<p>This property belongs to the Delta Pull Mechanism</p> <p>All items at the current time are fetched from the backend (for example from the SAP Business Workflow). The cache is synchronized thereafter.</p> <p>New / modified / deleted / updated items are fetched every session (every log on) if you leave the field value empty or enter a negative number.</p> <p>To specify a particular time frame for which the refresh occurs, enter the number of minutes.</p>
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4.2 Delta Pull Mechanism

The UWL Delta Pull Mechanism enables new items to be fetched from the back end SAP systems every minute (by default every 60 seconds, however, this can be configured differently if required). The user does not need to use the refresh function to update the inbox. Once items are retrieved, timestamps are updated for the users whose items are successfully retrieved. These retrieved items are updated in the UWL cache.

To enable the Delta Pull Mechanism please see the corresponding documentation on <http://help.sap.com>.

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