Creating the Search SAP Pages Process

SAP Composite Application Framework
**Typographic Conventions**

<table>
<thead>
<tr>
<th>Type Style</th>
<th>Represents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example Text</td>
<td>Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.</td>
</tr>
<tr>
<td>Example text</td>
<td>Emphasized words or phrases in body text, graphic titles, and table titles.</td>
</tr>
<tr>
<td>EXAMPLE TEXT</td>
<td>Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.</td>
</tr>
<tr>
<td>Example text</td>
<td>Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.</td>
</tr>
<tr>
<td>Example text</td>
<td>Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.</td>
</tr>
<tr>
<td>&lt;Example text&gt;</td>
<td>Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.</td>
</tr>
<tr>
<td>EXAMPLE TEXT</td>
<td>Keys on the keyboard, for example, F2 or ENTER.</td>
</tr>
</tbody>
</table>

**Icons**

<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔴</td>
<td>Caution</td>
</tr>
<tr>
<td>📚</td>
<td>Example</td>
</tr>
<tr>
<td>📝</td>
<td>Note</td>
</tr>
<tr>
<td>🍳</td>
<td>Recommendation</td>
</tr>
<tr>
<td>☀️</td>
<td>Syntax</td>
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</tbody>
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Introduction

About This Document

This tutorial is a part of a series that describes how to implement a composite application using SAP Composite Application Framework (CAF) capabilities.

The tutorial describes how to create a simple process to search the SAP web pages using the CAF Process Layer (Guided Procedures).

Prerequisites

The following table describes the prerequisites for running this tutorial.

<table>
<thead>
<tr>
<th>Software</th>
<th>The tutorial is compliant with:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Sneak Preview SAP NetWeaver 04 – Web Application Server 6.40 Java. You can download the sneak preview at <a href="http://sdn.sap.com">http://sdn.sap.com</a></td>
</tr>
<tr>
<td></td>
<td>• SAP NetWeaver 2004s SPS04</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Documents</th>
<th>Before you start with this tutorial, see:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• The Guided Procedures Design Time (PPT)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Authorizations</th>
<th>You must hold the following Guided Procedures roles:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• GP Business Expert</td>
</tr>
<tr>
<td></td>
<td>• GP User</td>
</tr>
</tbody>
</table>

Disclaimer

Any software coding and/or code lines / strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, except if such damages were caused by SAP intentionally or grossly negligent.

Creating the Search SAP Pages Process

Create Callable Object in Guided Procedures Design Time

1. In the left section of the window named 'You Can', choose Create Callable Object to open the callable object design time.
2. In the first screen select Web Pages as the type of the callable object (see screenshot):

Type:
- Decision Dialog
- KM Resource
- BI Application
- Business Server Page (BSP)
- SAP Transaction
- Portal View or Page
- Composite Application Web Dynpro Component
- External Service
- Composite Application Service
- Web Dynpro Component (GP Interface)
- Portal Application
- Content Package
- Web Dynpro Application
- Background Execution
- Web Pages
- Interactive Form
- Data Forms
- Process Control
- User Management
- Miscellaneous

3. Enter the basic data of the callable object:
- Name, e.g. COSAP:
- Description, e.g. Callable Object for search on www.sap.com
- Language, e.g. English

Name: COSAP
Description: Callable Object for search on www.sap.com
Original Language: English

Location (select the storage location using the CHOOSE button)

Choose Location for Callable Object

4. Choose Next to navigate to the next screen
5. Enter the base URL for the web page.

The Base URL can be determined by opening an Internet browser to that URL like www.sap.com and type in the search input field a string Guided Procedures.

The resulting URL is the combination of the base URL and the input parameters

http://www.sap.com/search/index.epx?ct=international&mode=quick&q1=Guided+Procedures

The base URL in this example is http://www.sap.com/search/index.epx?ct=international&mode=quick&

6. Choose Next to navigate to the next screen

7. Choose Insert to navigate to the next screen and create an input parameter
8. Enter the parameter information:
   - Technical Name, e.g. q1
   - Description, e.g. Search Input
   The checkbox for “Parameter Value is Required” can be checked if you want to make this parameter mandatory.

9. Choose Insert to navigate to create the input parameter.

10. Choose Next to navigate to the next screen.

11. Choose Next to navigate to the next screen.
12. Choose Finish and Open to open this callable object for testing and activation.

13. To test your callable object, choose Test Callable Object in the You can contextual panel.

14. Enter a test value for the Search Value parameter, e.g. Guided Procedures.

15. Choose Execute after entering data if you have defined some input parameters in your callable object.
16. Choose **Activate Callable Object** to make the callable object usable in actions.

17. Choose Activate to confirm activation

You successfully created the callable object. Now return to the gallery via the Gallery link in the top left corner.
Create Actions

1. Click on the link *Create Action* in the contextual panel

2. Enter the following basic data for the action:
   - Name: Action Search on SAP
   - Description: Action for search on www.sap.com
   - Original Language: English
   - Location: How-to Guides

3. Click on the Save and Open button to continue.
The Design Time for the action opens. The contextual panel to the left lists all possible activities.

4. Attach the callable object to the action by clicking on the link Attach Callable Object.

5. Assign the Object for Execution by clicking on Choose …
6. Navigate in the gallery to the callable object COSAP, highlight the object, and click on Select.

7. Save your changes.

8. To activate the action, click on the corresponding entry in the contextual panel.
9. Confirm that you want to activate the action.

You have successfully created the action. Now return to the gallery via the Gallery link in the top left corner.

Create a Simple Process

1. In the left section of the window named 'You Can', choose Create Simple Process to start the simple process wizard
2. Choose Next to navigate to the next screen:
   Type in the process name, process description, block name, and block description (e.g. Search on SAPNet).

3. Click on Choose to select a folder for the block and the process template.
   Select a folder (e.g. How-to Guides).

4. Choose Next to navigate to the next screen.

5. Choose Insert.
6. Select **Use existing templates** and press **Select**.
   Here you can select the action you created before.

7. Select action **Action Search on SAP** and press **Select**.
   The selected object is inserted to your simple process.
8. Choose **Next** to navigate to the next screen (Consolidate Parameters).

9. Choose **Next** to navigate to the next screen (Consolidate Roles).
10. Choose Next to navigate to the next screen.

To activate the simple process, choose Finish.

The process and the block are created and activated.
Execute the Process (optional)

1. In your portal, open the tab page *Guided Procedures → Runtime.*
2. Start a new process by clicking on the *Start a process* link.

3. In step *Select Template,* select the *Search on SAPNet* process in the gallery and then choose *Next.*
4. In step *Edit Roles*, assign a user to every process role as follows:
   a. Select the process role (e.g. Administrator)
   b. Choose *Add User*.

   ![Work items will be generated for the users you choose here. For test purposes you should assign all process roles to your user ID.](image)

   Work items will be generated for the users you choose here. For test purposes you should assign all process roles to your user ID.

   ![The search UI opens. Enter a user ID in the Find field and start the search by choosing Go.](image)

   c. The search UI opens. Enter a user ID in the Find field and start the search by choosing Go.

   ![Now add the user to the process role. Continue with the user assignment for every process role.](image)

   d. Now add the user to the process role.

Continue with the user assignment for every process role.
5. Verify that all process roles have a user assignment, and then choose Next.

6. To start the process, choose Initiate.
Congratulations! Now the process is initiated and the process runtime will open in a separate window.