Creating a Callable Object: SAP Transactions
## Typographic Conventions

<table>
<thead>
<tr>
<th>Type Style</th>
<th>Represents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Example Text</strong></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><strong>Example text</strong></td>
<td>Emphasized words or phrases in body text, graphic titles, and table titles.</td>
</tr>
<tr>
<td><strong>EXAMPLE TEXT</strong></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><strong>Example text</strong></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><strong>Example text</strong></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><code>&lt;Example text&gt;</code></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><strong>EXAMPLE TEXT</strong></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>
</tr>
</tbody>
</table>
Business Scenario

A transaction in an SAP system needs to be accessed via the portal as a part of the Guided Procedures Process.

About This Document

This document describes how to build a Callable Object on an SAP Transaction.

General Prerequisites

- CAF GP installed
- Reference to a functioning SAP System configured in System Landscape Directory. For more information on configuring SAP Systems see [Error! Reference source not found.].
- If the SAP NetWeaver Portal does not have SPS07 or higher, the used ABAP – system must have Plug In (PI) Basis 2005.
- With SPS07 Portals you no longer need any version of the PI Basis on the ABAP system, but without the PI Basis, automatic retrieval of parameter names (in the design time) is not possible.

Related Documents

[1]. Configuring Systems to Connect to SLD: http://help.sap.com/saphelp_nw2004s/helpdata/en/11/0dfe55e0c8fc4e910706a47ca6859b/frameset.htm

Applicable Releases

This tutorial is compatible with the following release: Beginning with SAP NetWeaver '04s SPS6'.

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.
The Step By Step Solution


Approaches to Building Up Our Model

You are free to choose either the top-down approach and create the process, block and action and then insert a new callable object; or you can start with the callable object first without having any other model item.

Top-Down Approach

In this case you first create all design time objects (process, block, and action) that will make use of this callable object.

For further details on this top-down approach see – [2].
1. Choose (Create New) to embed a new callable object into our existing Action

**Bottom-Up Approach**

In this case you create the callable object first and insert it in the actions and blocks you create later.

1. In the “You Can” contextual panel, choose Create Callable Object to open the Callable Object design time

**Configuring Basic Data**

1. Select SAP Transaction from the Type list.

Enter the following data:

- **Name**, for example SAP Transaction CO
- **Description**
- **Language**
- Choose a location for your callable object (Folder)

Choose Next.
2. Here you can specify which preconfigured SAP System to use. After selecting a system, enter the code for the transaction that has to be run.

In this example we use the basic transaction SU01. Choose Next.

If the preconfigured SAP System does not appear in the list, you have probably forgotten to add an alias to the configuration. See document Error! Reference source not found. for more details.
Add Transaction-Specific Parameters

1. You can add transaction parameters now if required, by choosing *Add Manually*. Parameters are added as key-value pairs. In this example the transaction does not need any parameters, so simply choose *Next*.

2. Confirm the next step “No configuration is needed for SAP Transaction Callable Object” by pressing “Next”.

Save and Use the Callable Object

1. Your callable object is now complete. Choose *Finish and Open* to save and open it. If you started with the top-down approach, choose *Finish* instead.
2. To test the application, open the Test tab in the bottom pane. By choosing Execute you can launch this callable object in a pop-up window.

3. You should see now the selected SAP Transaction’s screen in the browser window that has appeared.