SAP Composite Application Framework

Creating a Callable Object: KM Resource

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Typographic Conventions

Type Style	Represents
Example Text	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.
Example text	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	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.
`Example text`	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.
`Example text`	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
`<Example text>`	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
`EXAMPLE TEXT`	Keys on the keyboard, for example, F2 or ENTER.

Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

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Scenario

This callable object integrates resources residing in the Knowledge Management repository of SAP Enterprise Portal.

The following KM resources can be used in a process:

- Document (file)
- Folder
- Trex search results

The *Document* and *Folder* refer to the resources in the Knowledge Management repositories of SAP Enterprise Portal. The document and folder callable objects do not have any input parameters. During runtime, they display the contents of the document or folder.

The *Trex* callable object searches the indexed Knowledge Management repositories for specific key words or properties. It has input parameters that must be configured during the callable object design time. The input parameters can be search terms or property values. During runtime, the callable object creates a search URL including the input parameters in order to display the search results.

About This Document

This tutorial contains a step-by-step example for two KM resource types, including an explanation of how to create and use this kind of callable object.

General Prerequisites

Optional: A text file uploaded into a folder contained in the KM repository of the portal

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

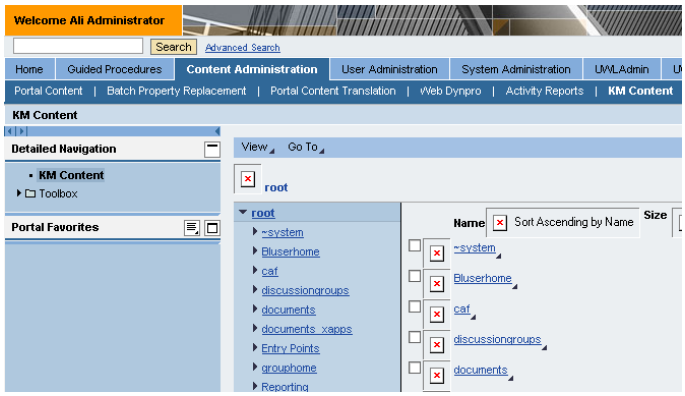
You can choose the type of KM resource you want to create: a *File*, *Folder*, or both. If you do not have a file to use for the callable object, you should also perform the first preparation steps (Section 3.1).

Prepare a Text File (Optional)

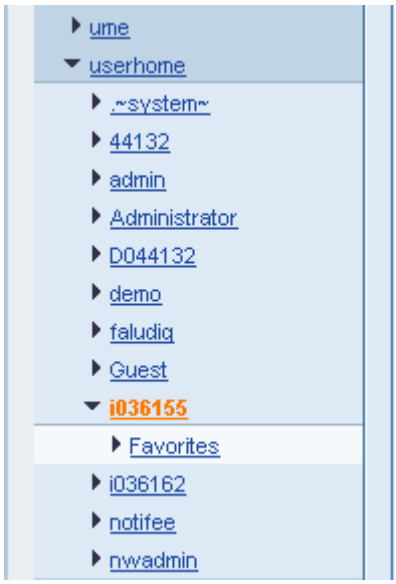
Create a simple text file in the KM repository of SAP Enterprise Portal.

1. Open your SAP Enterprise Portal with **`http://<Server>:<Port>/irj/portal`**, navigate to tab *Content Administration* and choose *KM Content.*

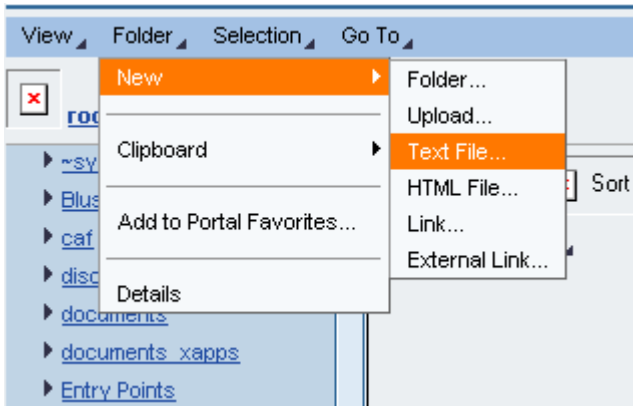
You must have the appropriate portal permissions.



2. Select the folder in which you want to create your text file.



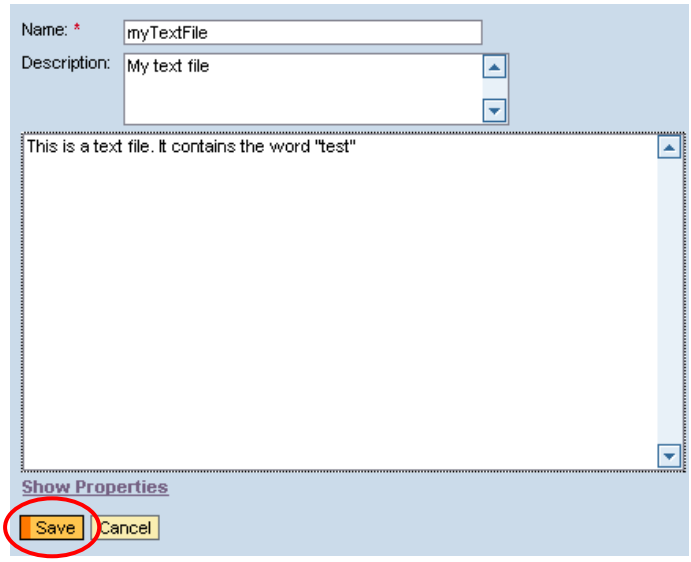
3. Choose *Folder* → *New* → *Text File…*



4. Enter the following values:

- *Name*: **`myTextFile`**
- *Description*: **`My text file`**
- In the text area (content of file) enter: **`This is a text file. It contains the word “test.”`**

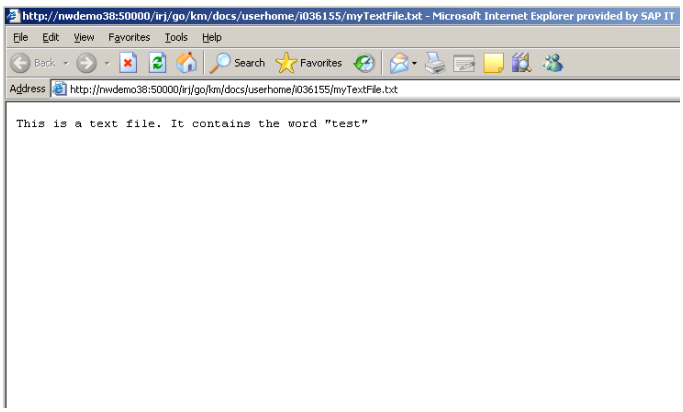
Store this new file with *Save*.



5. Your text file appears in the given folder.

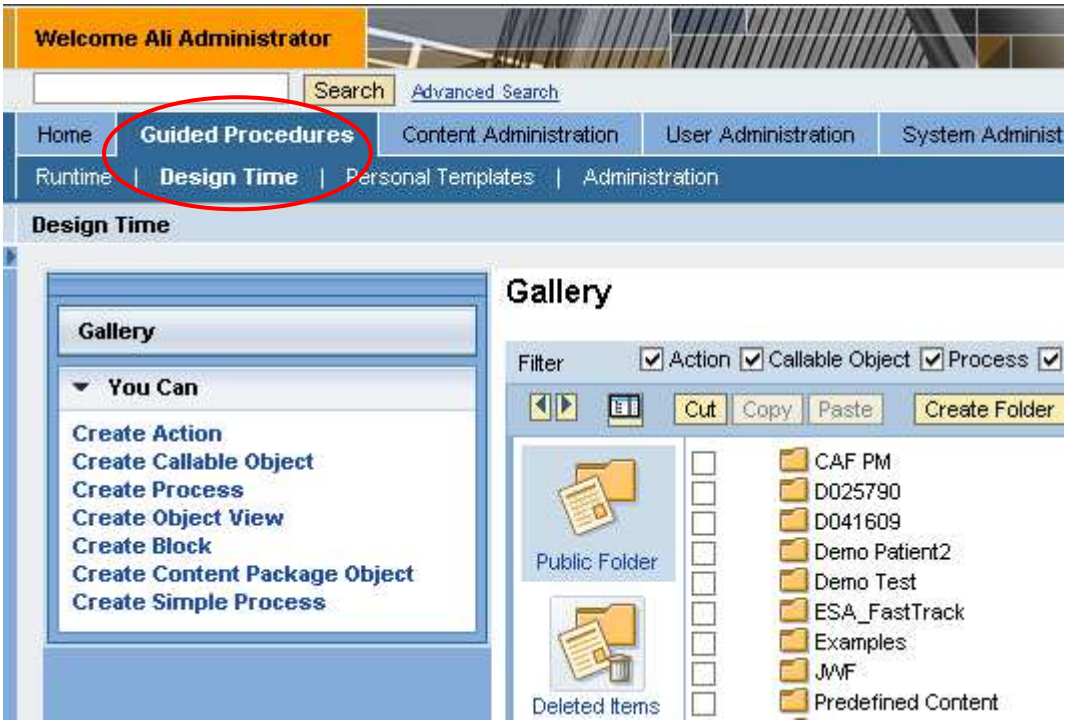
6. Click the *myTextFile* link to open a new browser window showing the contents of the text file.

You now have your own KM resource that you can use in the next steps.



Starting the Guided Procedures Design Time

To start your SAP Enterprise Portal, enter **`http://<Server>:<Port>/irj/portal`**. Navigate to tab *Guided Procedures* and choose *Design Time*.



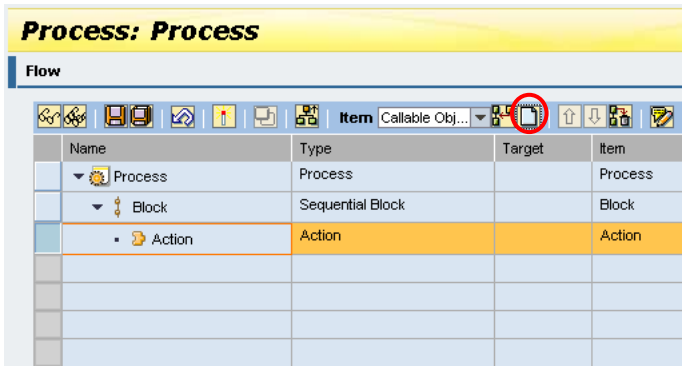
Approaches to Building the Model

You can choose the top-down approach to create the process, block and action and then insert a new callable object; alternatively you can use the bottom-up approach to start with the callable object without having any other model item.

Top-Down Approach

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

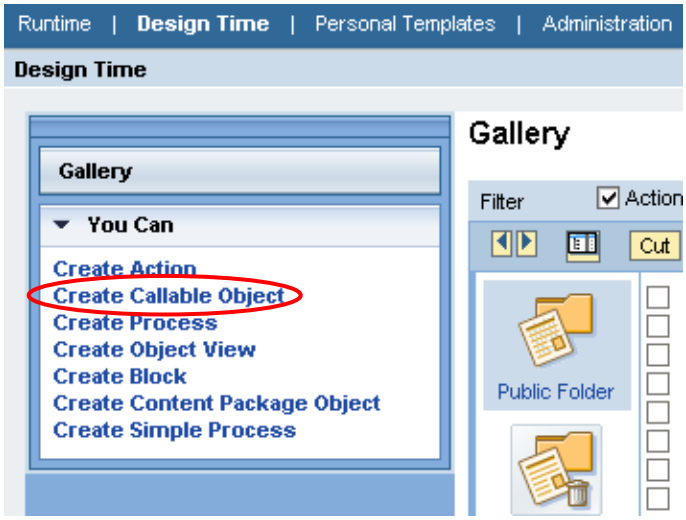
1. Choose *(Create New)* to embed a new callable object in the existing *Action.*



Bottom-Up Approach

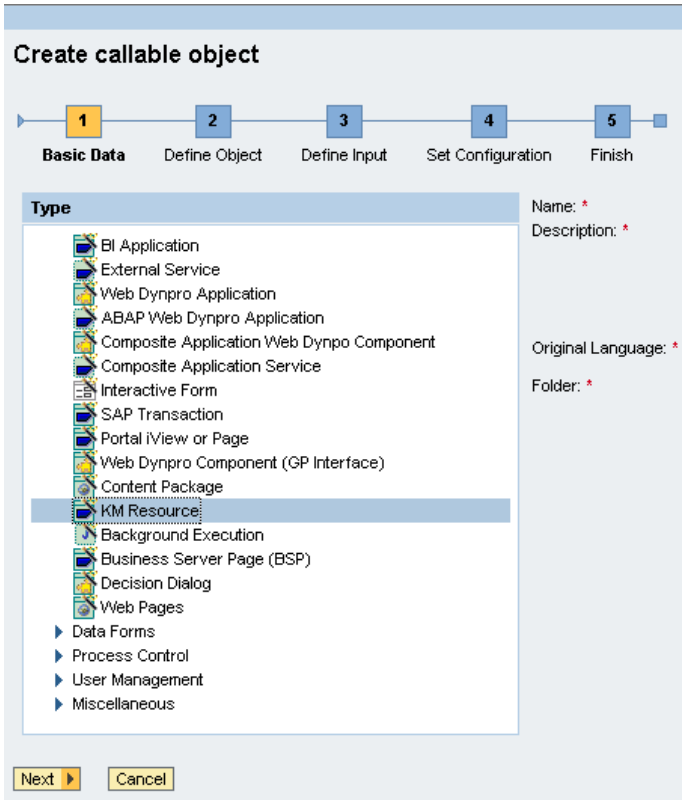
In this case you create the callable object first and then insert it in the actions and blocks you create.

2. In the contextual panel *(You Can),* choose *Create Callable Object* to start the Callable Object design time.

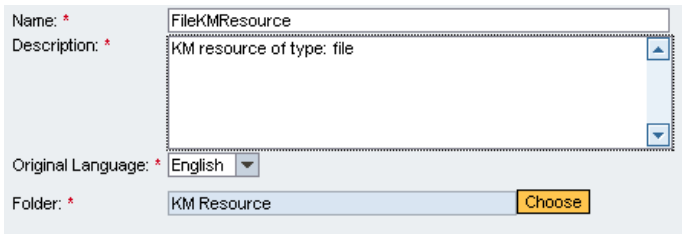


Create KM Resource of Type *File*

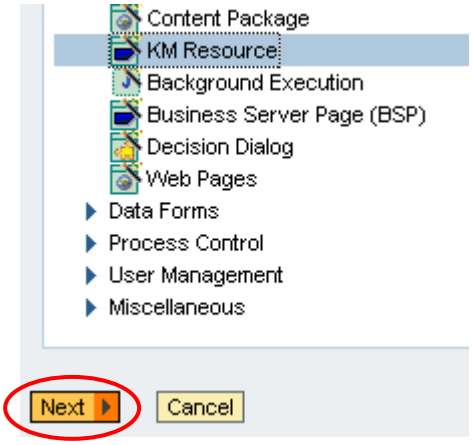
1. Select *KM Resource* from the *Type* list.



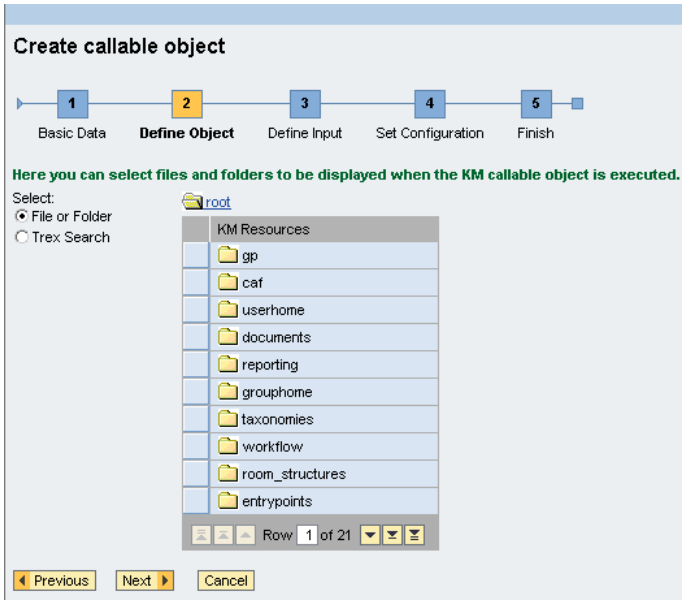
2. Enter the basic data for this callable object:
   - *Name* – **`FileKMResource`**
   - *Description* – **`KM resource of type: file`**
   - *Original Language* – **`English`**
   - Define a location *(Folder)* for your callable object



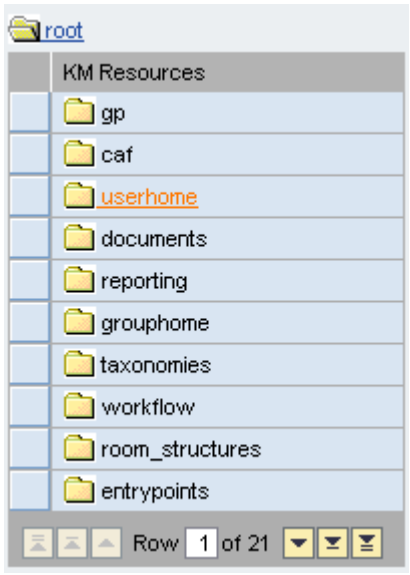
3. Choose *Next*.



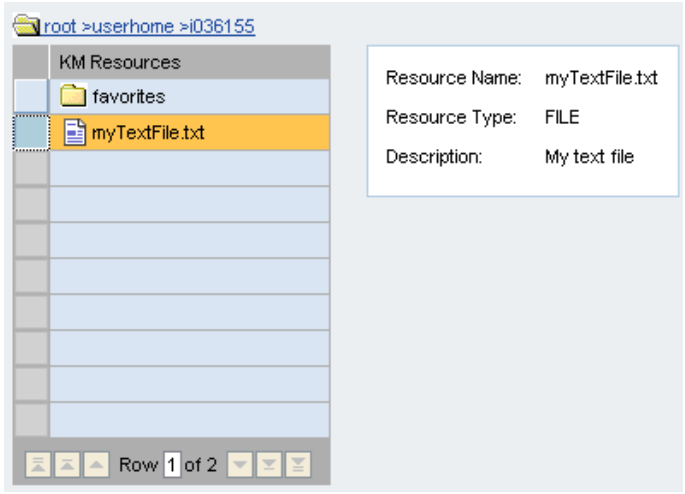
4. On the *Define Object* screen select the type of KM resource. The *File or Folder* option is selected by default.



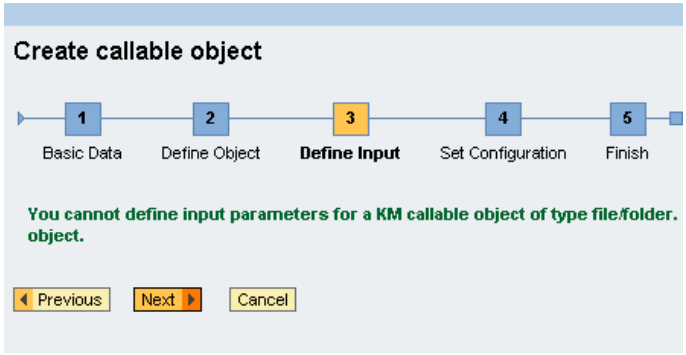
5. Select the folder (it may be a subfolder) containing the text file that you want to present??? in the process.



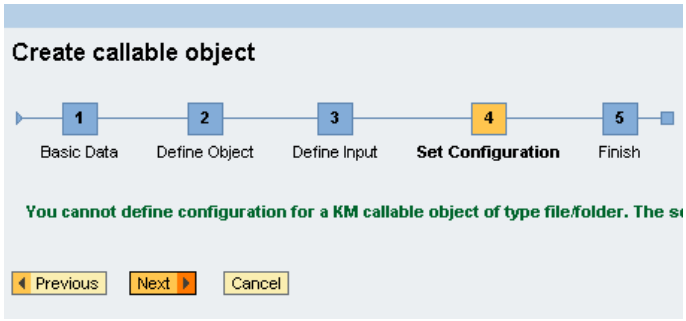
6. Select the text file and choose Next *(Next).*



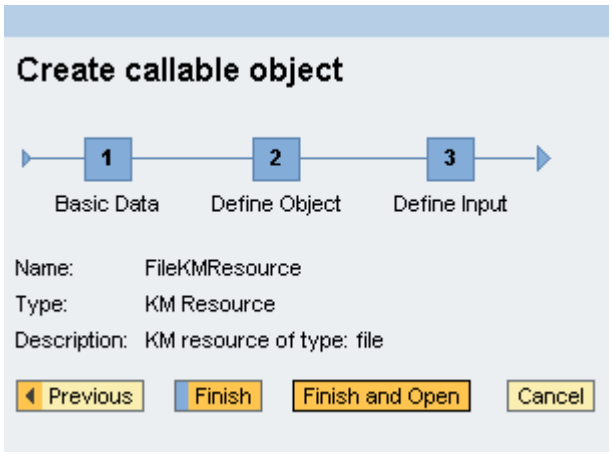
7. Since there are no input parameters for a file, choose *Next.*



8. You cannot define a configuration for a KM resource of type *File*. Choose *Next* to continue.

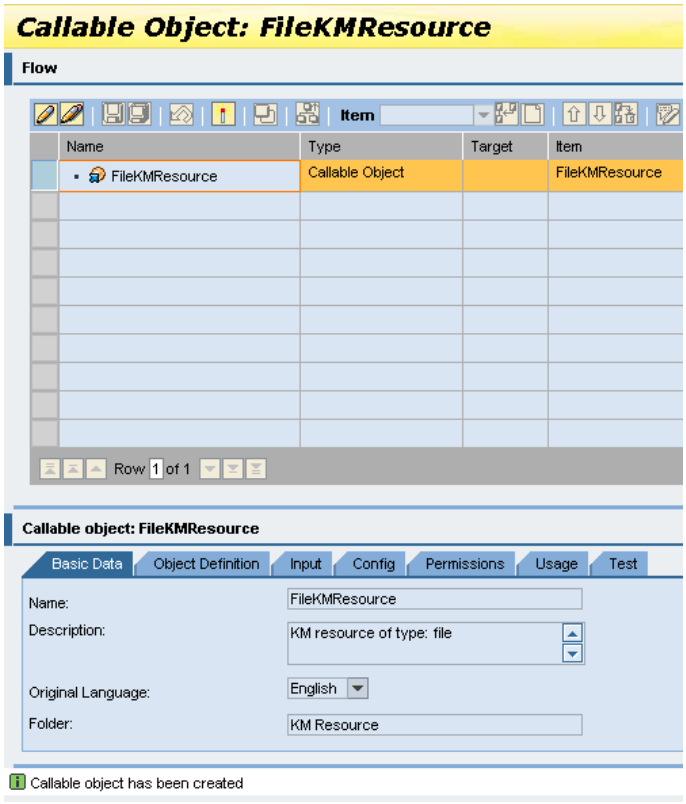


9. On the final screen, choose *Finish and Open.*

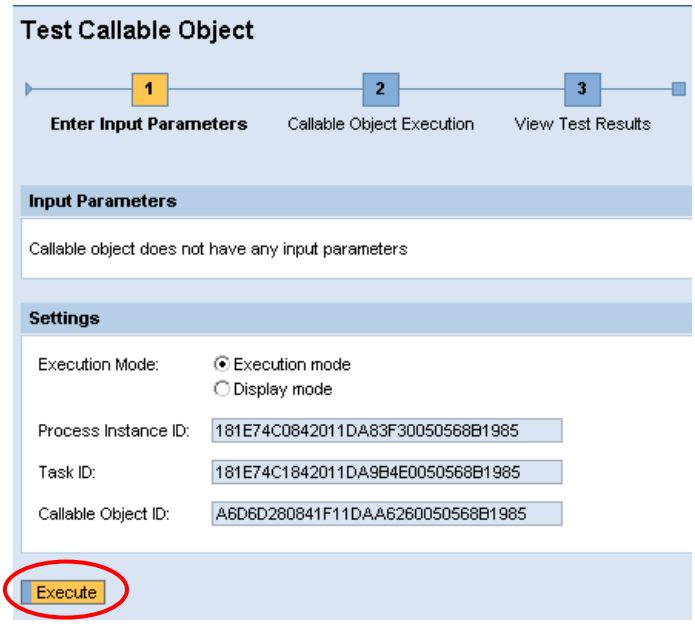


10. The callable object is saved. Now you can test its behavior at runtime.

Choose the *Test* tab at the bottom of the page.

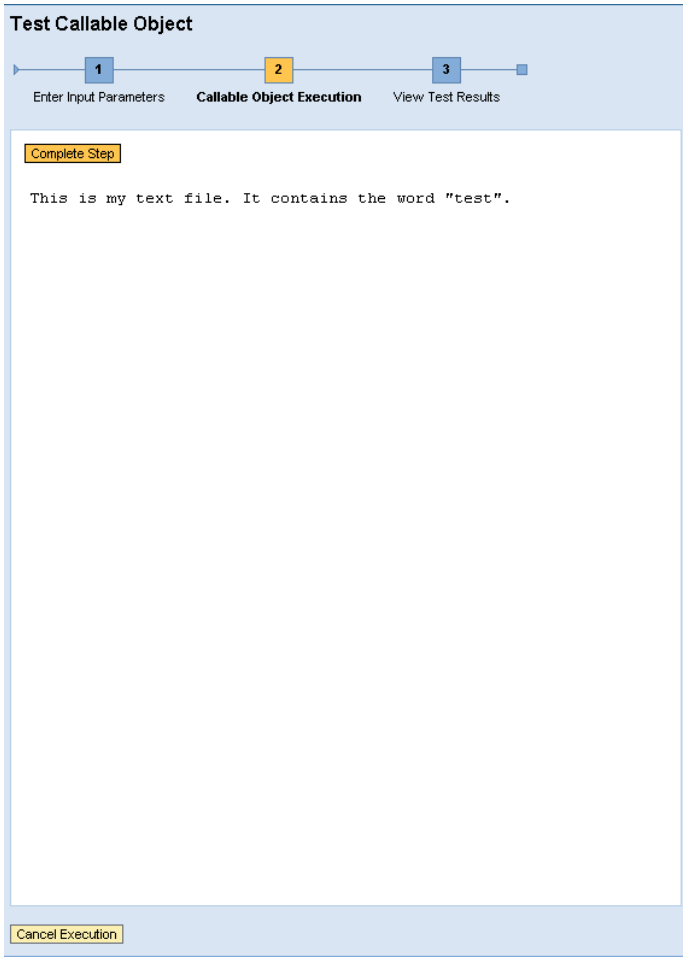


11. There are no input parameters. Choose *Execute.*



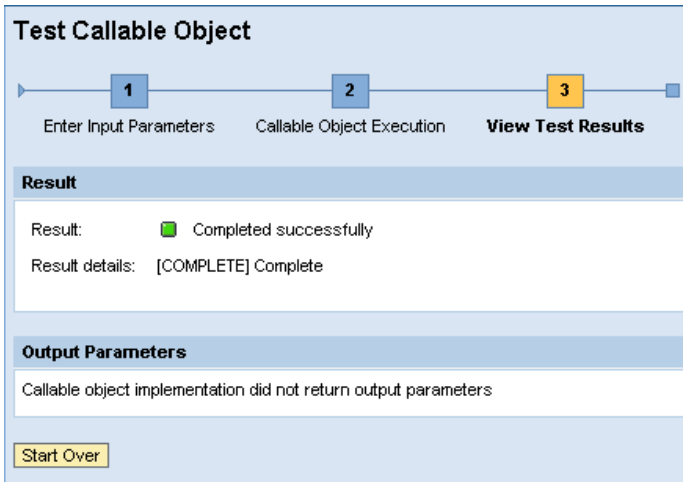
12. The contents of your text file are displayed.

Choose *Complete Step* to finish the test.

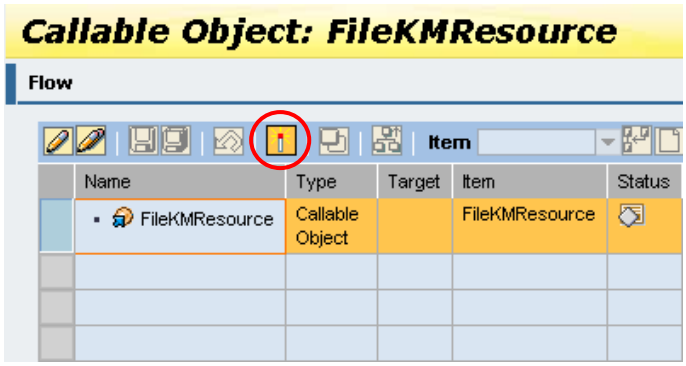


13. Upon normal completion, the result is: *Completed successfully*.

You can run the test again by choosing *Start Over.*

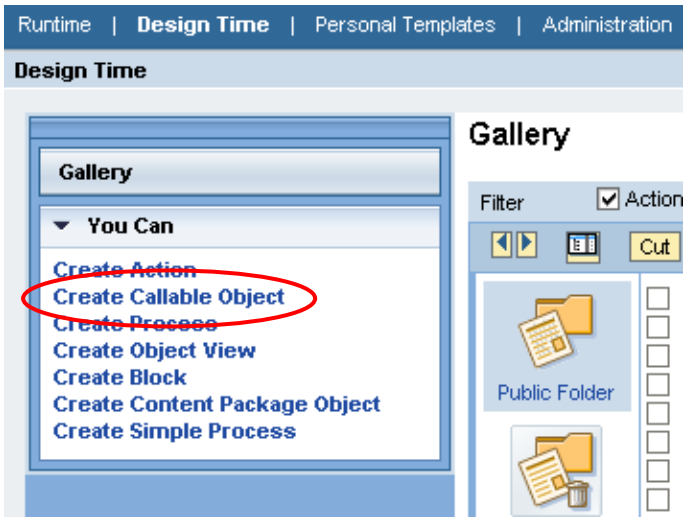


14. You can activate your callable object by choosing (*Activate*) or do so implicitly by activating the process which encapsulates this CO.

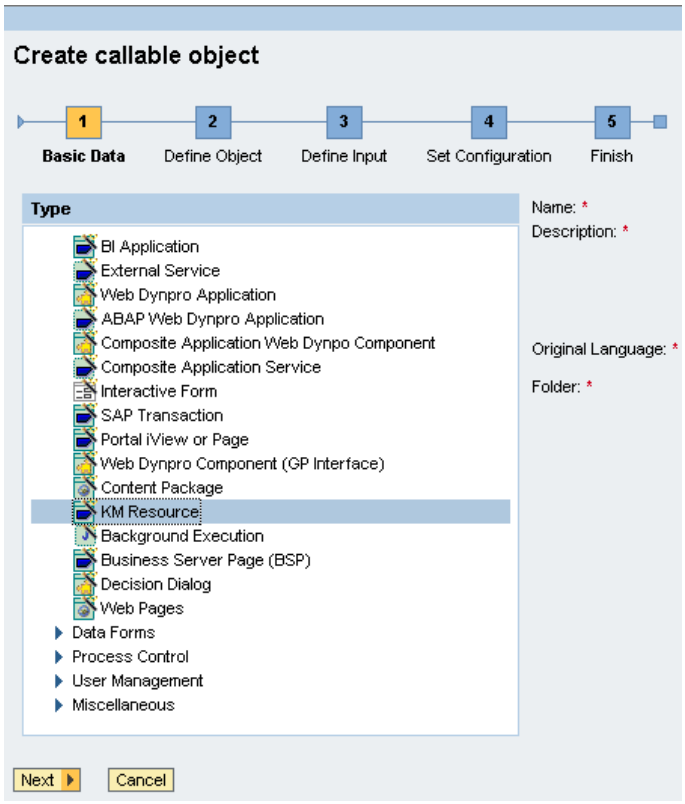


Create KM Resource of Type Folder

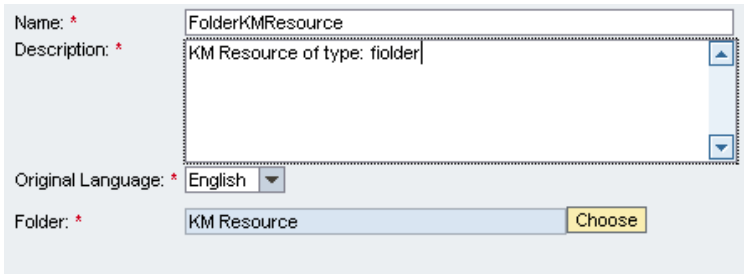
1. Select the folder where you want to store your items (create it if necessary). In the contextual *You Can* panel, choose *Create Callable Object* to start the callable object design time.



2. Select *KM Resource* from the *Type* list.

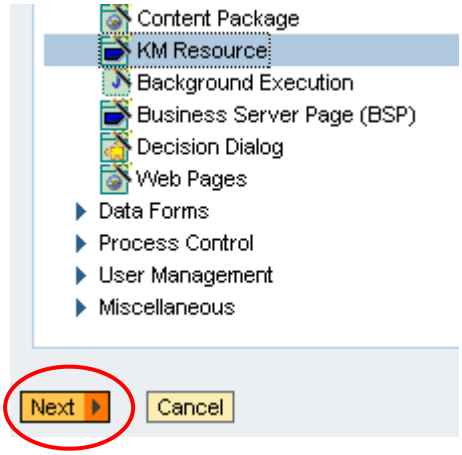


3. Enter the basic data for this callable object:
   - *Name* – **`FolderKMResource`**
   - *Description* – **`KM resource of type: folder`**
   - *Original Language* – **`English`**

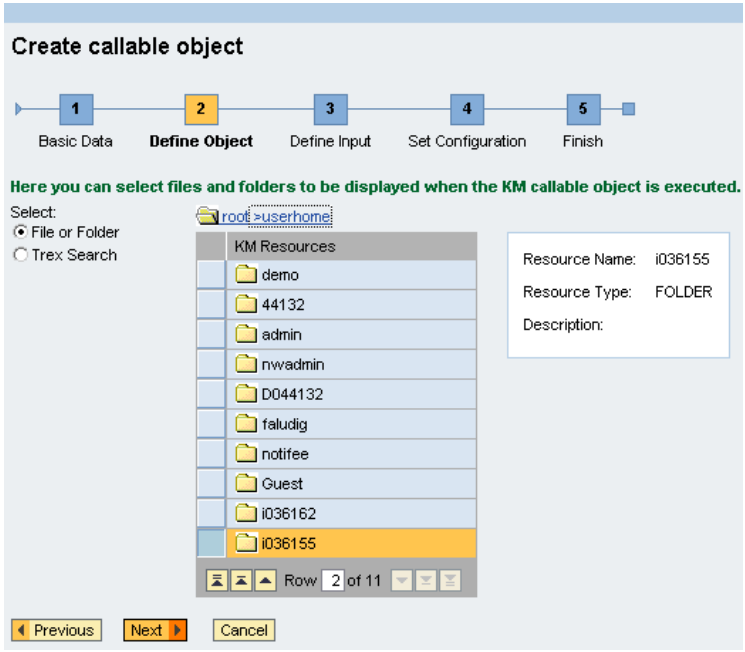


- Define a location *(Folder)* for your callable object

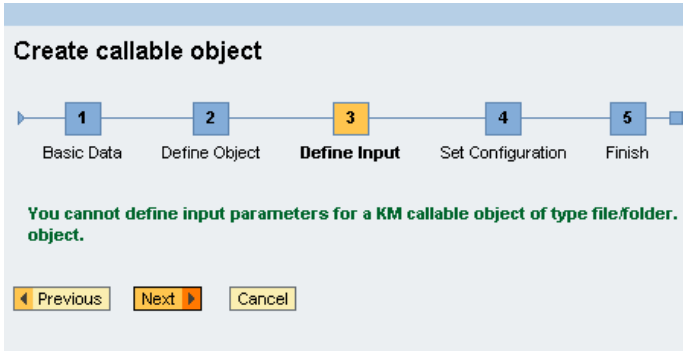
4. Choose *Next*.



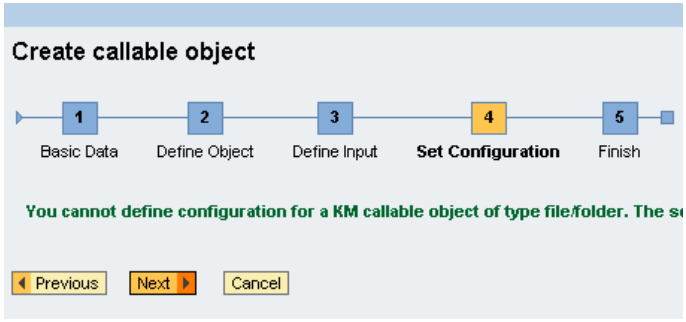
5. On the *Define Object* screen, select the type of KM resource. The *File or Folder* option is selected by default.



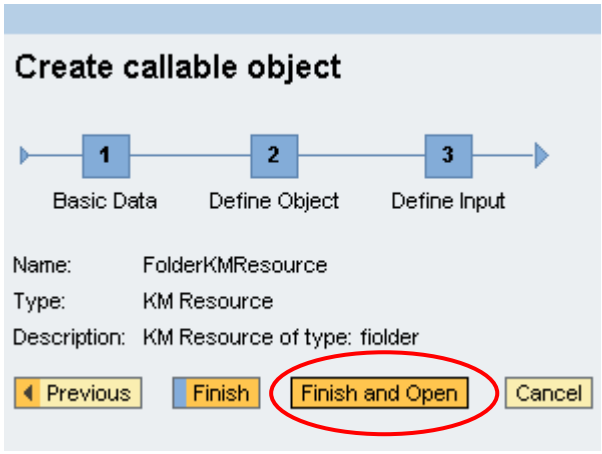
6. Since there are no input parameters for a folder, choose *Next.*



7. You cannot define a configuration for a KM resource of type file.
Choose *Next* to continue.

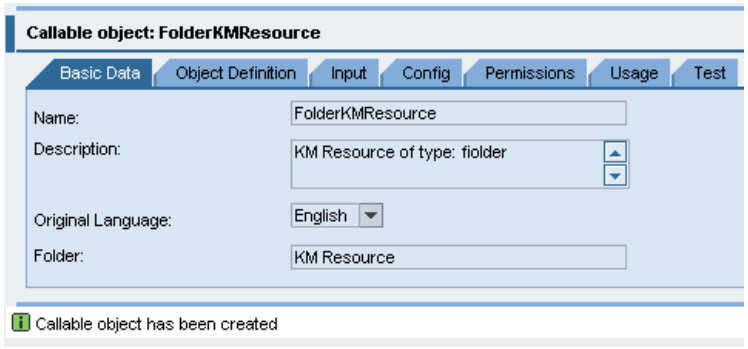


8. On the final screen choose *Finish and Open.*

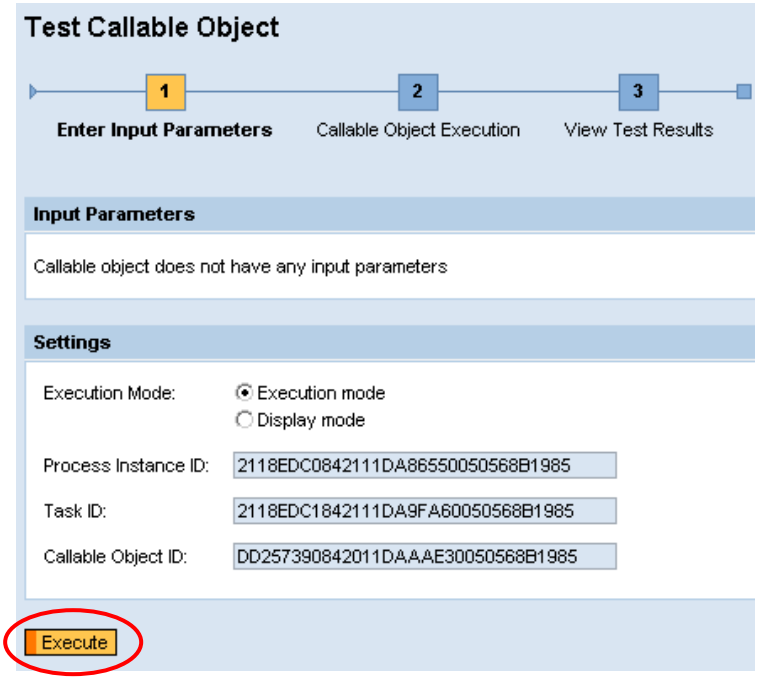


9. The callable object is saved. Now you can test its behavior at runtime.

Choose the *Test* tab at the bottom of the page.

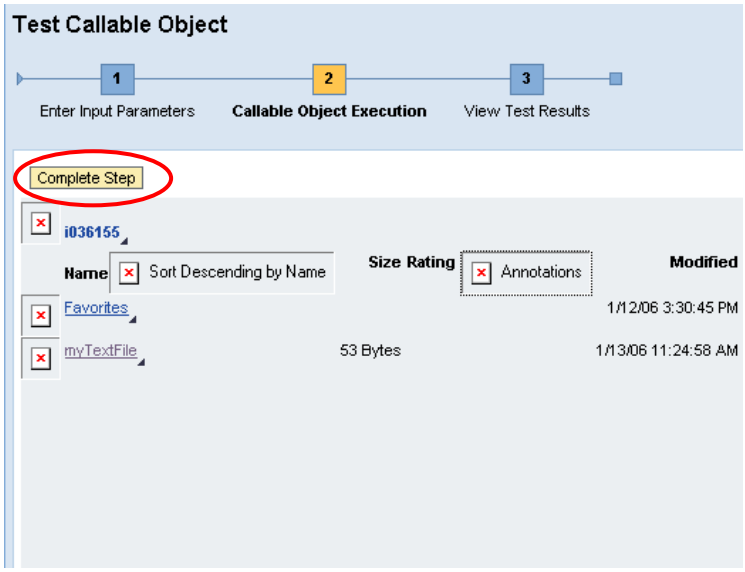


10. There are no input parameters. Choose *Execute.*



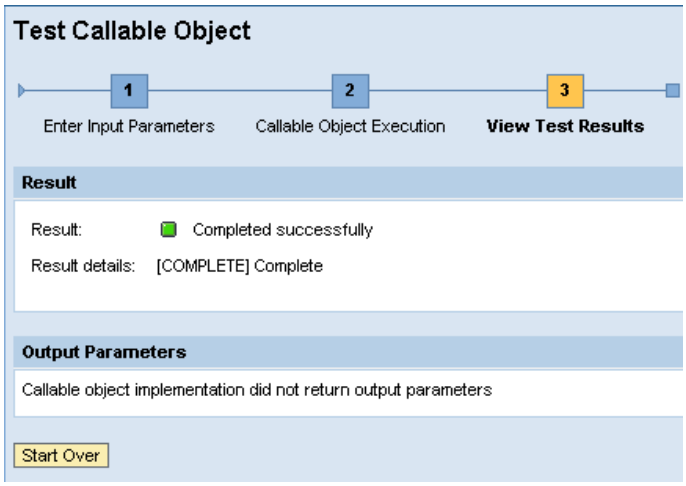
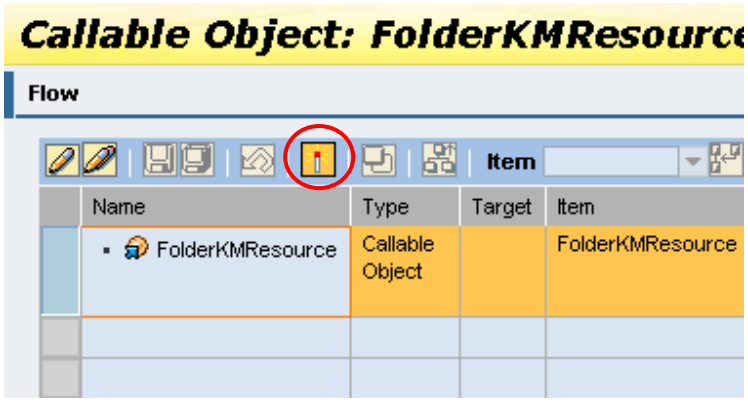
11. The contents of the given folder are displayed (files or subfolders included). You can also navigate in the folders and open the documents.

Choose *Complete Step* to finish the test.



12. Upon normal completion, the result is: *Completed successfully*.

You can run the test again by choosing *Start Over.*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