SAP Composite Application Framework

Configuring GP for Interactive Forms
## 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>
</tr>
</tbody>
</table>
Contents

Business Scenario ........................................................................................................................................... 2
About This Document ........................................................................................................................................ 2
  Applicable Releases ..................................................................................................................................... 2
  Disclaimer ................................................................................................................................................... 2

The Step By Step Solution ........................................................................................................................... 3
  Configure Adobe Document Service (ADS) .................................................................................................. 3
    Creating connection to J2EE server ............................................................................................................ 3
    Configuring SLD ......................................................................................................................................... 6
    Configuring ADS ........................................................................................................................................ 8
  Configure receiving of interactive forms ...................................................................................................... 10
    Configuring the Interactive Forms Adapters ............................................................................................... 10
    Maintaining Inbox Queue .......................................................................................................................... 14
    Managing Impersonalized Forms (optional) .............................................................................................. 16
  Configure sending of interactive forms ......................................................................................................... 18
  Troubleshooting ........................................................................................................................................... 18
Business Scenario

You would like to use GP Interactive Forms in your processes for data collection.

About This Document

This tutorial shows you how to configure GP so that you can receive and send interactive forms. To understand how to create and use interactive forms for data collection, you should refer to the Tutorial on using interactive forms.

This tutorial is divided into three parts:
- Configure Adobe Document Service (ADS)
  - Creating connection to J2EE server
  - Configuring SLD
  - Configuring ADS
- Configure receiving interactive forms
  - Configuring the Interactive Forms Adapters
  - Maintaining Inbox Queue
  - Managing Impersonalized Forms
- Configure sending interactive forms

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

Configure Adobe Document Service (ADS)

Creating connection to J2EE server

1. Ensure that your J2EE server is already started. Start the Visual Administrator. Create a new connection to your server if it is not available.

2. Enter the Display Name SID for this new connection. You can choose to connect directly to the server or via a Message Server. We will show you how to connect via the Message Server.
3. Enter the **User Name**, **Host** and **HTTP Port** for the message server.

4. Select the name of the connection you created and click **Connect**.

5. Enter the **User Name**, **Password** and click **Connect** to connect to the J2EE server.
Configuring SLD

6. Navigate to `<SID> ➔ Server ➔ Services ➔ SLD Data Supplier`. Go to the Runtime tab. From the Runtime tab, select the HTTP Settings. If you have installed a local SLD, enter the local SLD host, port, user and password. Otherwise enter the remote SLD host, port, user and password. In this example, we are using a remote SLD. Click on the Save button to save your settings.

7. Navigate to the CIM Client Generation Settings tab. Enter the SLD settings you used previously. You can use a different user for the client generation. Click on Save to save your settings.
8. Click on CIMClient Test to test your settings.

9. You should receive a message confirming that the test was successful. Click on OK to continue.
Configuring ADS


11. Scroll down the screen and enter the following information.

System Name:

  `<SID>.SystemHome.<MachineHost>`

WS Name:

  `{com.adobe/AdobeDocumentServices}{AdobeDocumentServices Assembly.jar}{AdobeDocumentServices}`

WS Port:

12. Click on **Save** to save your settings.

13. Log out of the Visual Administrator and restart your J2EE server. Once you have restarted, logon to the Visual Administrator again and check that the Destination has been set properly.

   You should now be able to use the Adobe Document Service.
Configure receiving of interactive forms

Configuring the Interactive Forms Adapters

14. From the SAP Enterprise Portal, navigate to the Guided Procedures ➔ Administration tab.

15. Navigate to Guided Procedures ➔ Administration and click on Configure Adapters.

16. For each adapter, you can assign an email inbox. This email inbox will be used to collect all the submitted interactive forms. Select the appropriate adapter that you want to assign the email server to then click on the Add button.
17. You can choose either to use the pop3 or imap4 protocol. After choosing your protocol, you need to enter at least the Server, User Name, Password, Client and Domain. You can also enter the Folder Name if it is applicable to your user. Click on the Create button to add the server.

If you are using your own mailbox on a Microsoft Exchange Server you can see the name of your mailbox server (something like dewdfeXX.wdf.sap.corp) from Outlook, right click on your mailbox, select Properties and click on Advanced… The server is in the field for Microsoft Exchange Server.

In this case, create a new folder in your mailbox, for example called “Forms”.

18. Your email server should be added for the adapter. You can add more email servers if required.
19. You need to activate the time interval for GP to check the email servers. To do so, start the Visual Administrator and navigate to `<SID>` → **Server** → **Services** → **Configuration Adapter**

20. On the right hand side, select the **Display configuration** tab. Change the editor to edit mode by clicking on the **Edit** toggle button and click on **Yes**.
21. Navigate to Configurations → cluster_data → server → cfg → services and double click on Propertiesheet caf-eu-gp-model. Set the property mailconnector.start_thread to true.

22. Then set the property formqueue.processor.start_thread to “true” to enable inbound queue processing.

23. Restart your server to enable the changes.
Maintaining Inbox Queue

24. Navigate to Guided Procedures → Administration and click on Maintain Queues.

25. In the Queue Selection, you can select to view the emails.
26. After selecting the queue, you should be able to see the emails that have been received under the **Queue Entries** tab. You have the option to **Refresh** the queue or **Delete** an item in the queue. If you have selected an item in the queue, the items detail will be shown in the **Queue Item Details** tab. The content of the item can be viewed under the **Queue Item Content** tab.

27. Clicking on the **Queue Header Data** will show a list of **Supported States**.
Managing Impersonalized Forms (optional)

28. Navigate to Guided Procedures → Administration and click on Manage Impersonalized Forms.

29. You now see the list of forms that has been requested. The Request Count will increase by 1 for each download of the form and the Return Count will increase by 1 for each submission of the downloaded form. You can download the form template by clicking on the Download button. You can also see the details of the forms in the Current Requests table. By pushing the Create button a new form instance is created. Optionally an expiry date can be defined for it.
30. Select an expiry date for your form and click on the **Create** button.

![Create Unpersonalized Form](image)

A form with an expiry date has now been created and can be downloaded. Click on the **Back** button.

31. You can see that the form with the expiry date has been created in the **Current Requests** table. The forms can also be deleted by clicking on the **Remove** button.

![Current Requests](image)
Configure sending of interactive forms

32. In addition to configuring your inbox, you can also configure outbox email servers. Any emails that GP needs to send out will be via this email server and service user email.

Navigate to property sheet Propertiesheet caf~eu~gp~model in Visual Administrator. Just update the smtp.server and smtp.service_user_mail properties.

Remember to restart your server after the changes.

Troubleshooting

If you use an SP6 version of NW2004s you might get an exception such as:

com.sap.caf.eu.gp.model.forms.exceptions.FormsRuntimeException: The mail communication for client application id:0768334F5EF53307986C90435843D119 is not registered. Please contact Bounced Mails administrator

In this case you need to switch to the old communication infrastructure where this problem does not exist.

In VisualAdministrator -> caf~eu~gp~model service -> switchToNewMailCommunication = false.
After that you need to restart the `caf/eu/gp/model` service.