How-to Guide
Beginning with SAP NetWeaver 2004s SPS06

How To...
Transport in GP
Version 2.00 – January 2006

Applicable Releases:
Beginning with SAP NetWeaver 2004s SPS06
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2. Scenario

You have created callable objects, actions, blocks and processes in CAF-GP and would like to deploy these objects to another machine.

3. Introduction

This How-to guide shows you how you can create a transport package, import a transport package and release the imported objects. The idea behind this whole transport mechanism is to create an archive (SDA file) so that you can move it to the required system and deploy it using the Software Deployment Manager (SDM).

Note that only objects created with the GP design time tool can be transported. Objects that are created using other tools should be transported using the relevant transport mechanism. For example, WebDynpro components callable implementing GP Interface should be transported using the SAP NetWeaver Development Infrastructure (NWDI).

4. Related documents

[1]. Administration Overview
5. The Step By Step Solution

All the options for transportation can be found in the Guided Procedure → Administration tab.

5.1 Creating a Transport Package

1. Click the Create Transport Request link.

2. Give your transport package a technical name and click “Next”.

Administration workset

- General
- Transport
- Interactive Forms
- SAP System

Transport
- Create Transport Request
- Import Transport Requests
- Manage Imported Objects

Interactive Forms
- Configure Adapters
- Maintain Queues
- Manage Personalized Forms

SAP System
- Configure End Points
3. Click **Add** to navigate to the object selection menu.

4. You can now select the objects you want to be transported. Click the box □ to select multiple objects.

   If you select an object that contains further objects, the dependencies will be detected and all the dependent objects will be automatically added to the transport package.

   **Important:** Ensure that all your objects to be transported are in **Active** state and all deprecated objects have been updated.

5. Once you have selected all your objects, click **Add to List**.
6. A summary of the objects in the transport package will be displayed. Click **Next**.

7. If you want to create a local transport file, select **Export to Local file**. **Export to SAP System using End Point** will export the data to an SAP System. Then you can select **Import Transport Requests** later to import your data. For this example, **Export to Local File** is selected. After selecting the type of transport, click **Export**.

8. If you choose **Export to Local File**, a deployable archive will be created. You can click **Download sca file** to get a copy of the file. You can now deploy it to other servers using SDM.

9. A copy of the archive can also be found in the server directory:
```
\usr\sap\<SID>\JC\<INST NO>\j2ee\cluster\server0
```
5.2 Further actions with the transport package

Now you have the selected Guided Procedure components in a single .sda file in your local file system. There are two ways of transporting it to the target server:

- Using the software Deployment Manager (SDM)
- Using the NetWeaver Development Infrastructure (NWDI)

Using the SDM is more straightforward and simple. If you do not want to edit the content of the .sda file, use SDM for transporting.

Applications creating content would use the NWDI deployment rather than sending the sda file to the customer.
6. Importing a Transport Package using SDM

1. Start SDM and click the Add button.
   
   Note:
   
   You will find the files to start the SDM in the following path: \usr\sap\<SID>\JC<INST NO>\SDM.
   
   Start your server using “StartServer.bat”
   
   Start the SDM using “RemoteGui.bat”

   In the following log-in pop-up you have to enter your password, and the system you want to deploy to.

2. Select the .sda file you want to import and click Choose.
3. The sda file is now added to the list of files to be deployed. Click **Next** twice.

4. Now, click **Start** to start the deployment.
5. The deployment should be successfully completed. Now click **Confirm** to complete the deployment.

6. To check if the deployment was successful, go to the gallery. You should see that your folder has been created. However, there is no object in the folder. This is because the objects have to be released manually by default. Check the **Appendix** section to see how to automatically release the object after deployment.
6.1 Releasing Imported Objects

1. To release the imported objects, choose Manage Imported Objects.

2. Click Add to see a list of objects that can be released.
3. Navigate and select the object that needs to be released.

4. A summary of the objects and their dependency objects will be displayed. All the objects in the summary will be released. Click **Next** to continue.

5. Click **Release** to release the objects. A message will appear, confirming that the objects have been released successfully. All the objects you selected are now available for use.

   By clicking on an object in the list, you can edit the object’s permissions in place.
7. Transporting GP Content with the NWDI

1. Extract the archive file to your file system.
   It contains another archive file with the extension *.gpa*, which holds the definitions of the GP objects.
   Extract the GPA file as well.
   ![Image of file extraction](image.png)
   You can use an archiving program, such as WinZip or WinRAR.

2. In the SAP NetWeaver Developer Studio, Choose *File → New → Project.*
3. Choose Development Component → Development Component Project.
   Choose Next.

4. Choose your configuration and software component. In this example, the configuration “Local Development”, and the software component “MyComponents” is used.
   Choose Next.
5. Enter the required data for the DC name. For type, select **Content → Guided Procedures 2.0**. Choose **Finish**.

6. Copy the content of the GPA file that you extracted on your file system into the **src** folder of the new DC project.

To find out where the folder is located into the file system, select it in the Developer Studio and open its context menu. Then choose **Properties**.

The structure on the file system will be the following:

C:\Documents and settings\I024180\.dtc\LocalDevelopment\DCs\sap.com\myGpContent\_comp\src

Where the refer is as follows:

→ Development Configuration that has been selected in step 4: LocalDevelopment

→ Vendor of development Component: sap.com (s. step 5)

→ Name of development component: myGpContent (s. step 5)

→ _comp\src
7. In the SAP Netweaver Developer Studio choose your component, open the context menu and click "refresh".

The src folder should contain the content of the extracted gpa-file.

8. To build the DC, in the Package Explorer view choose Development Component → Build from the context menu.

A deployable SDA file is created in the gen folder of the project.

9. Browse to the SDA file, select it, and choose Deploy from the context menu. You can also go to the Development Configurations perspective, and deploy the DC.

The GP objects are deployed to your system and you should be able to find them in the gallery.

Note. Please consider that you have to deploy to a system where the content is no longer available to check whether the functionality works. If you deploy the content within the same system you not be able to check this.
8. Appendix

In the Visual Admin, <SID> → Server → Services → caf/eu/gp/model, there is a property `devobj.after_import_processing` that can be configured in such a way that the imported object can be released automatically. By default, it is set to true and an administrator needs to release the imported objects manually. Set the property to false and objects will automatically be released when imported.