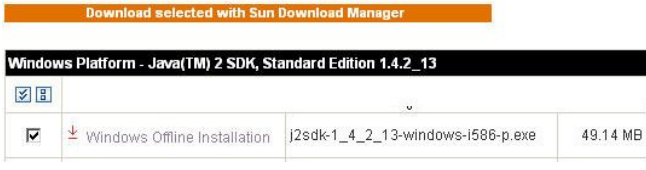
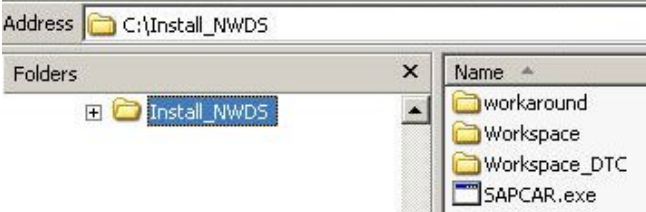


INSTALLING THE NW DEVELOPER STUDIO

To increase the performance of the development and enable more people to work in parallel on the SAP Discovery System, you can install the NW Developer Studio on a client-PC and deploy the applications to the Discovery System. In order to do so, please follow the steps carefully.

This documentation assumes the SAP Discovery System is added to the DNS of your company with the name “**SAPDiscoverySystem**” or - if not - that you have added the system to your local host file (see SDN under Enterprise SOA > Discovery System > How to Setup the Discovery System > Network Actions”)

Step 1: Download the Software											
<p>Note: NWDS requires a JDK 1.4.2, so please make sure this is already installed on your local machine before you continue. The JDK can be downloaded from http://java.sun.com/j2se/1.4.2/download.html</p>	 <p>Download selected with Sun Download Manager</p> <p>Windows Platform - Java(TM) 2 SDK, Standard Edition 1.4.2_13</p> <table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>↓</td> <td>Windows Offline Installation</td> <td>J2sdk-1_4_2_13-windows-i586-p.exe 49.14 MB</td> </tr> </table>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	↓	Windows Offline Installation	J2sdk-1_4_2_13-windows-i586-p.exe 49.14 MB		
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input checked="" type="checkbox"/>	↓	Windows Offline Installation	J2sdk-1_4_2_13-windows-i586-p.exe 49.14 MB								
<p>To accomplish this NWDS installation procedure, you need to download the following packages:</p> <ol style="list-style-type: none"> 1. Workaround and SAPCar.exe 2. NW04s Developer Studio SP8 3. Adobe Life Cycle Designer 7.1 (optional) 											
<p>The first package is downloaded from SDN under SAP Discovery System > Introductory Exercises > “Download NWDS Workaround files”.</p> <p>Extract the file “Install_NWDS.zip” to your root drive to create folders shown here.</p> <p>It contains a workaround for development of Web Dynpro for Guided Procedures and an application (SAPCAR.exe) for extracting the Developer Studio packages (“.SAR”) plus two other folders described later.</p>	 <p>Address C:\Install_NWDS</p> <table border="1"> <thead> <tr> <th>Folders</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>+</td> <td>workaround</td> </tr> <tr> <td></td> <td>Workspace</td> </tr> <tr> <td></td> <td>Workspace_DTC</td> </tr> <tr> <td></td> <td>SAPCAR.exe</td> </tr> </tbody> </table>	Folders	Name	+	workaround		Workspace		Workspace_DTC		SAPCAR.exe
Folders	Name										
+	workaround										
	Workspace										
	Workspace_DTC										
	SAPCAR.exe										

The **NW04s Developer Studio SP8** can be downloaded from <http://service.sap.com/swdc>

- ⇒ Download
- ⇒ Support Packages and Patches
- ⇒ Search for Support Packages and Patches

Enter **JIDE08_0-10003480.SAR** in the search field and press search.

The screenshot shows the SAP Support Portal interface. The address bar displays <https://websmp207.sap-ag.de/swdc>. The page title is "SAP Support Portal" and the user is logged in as "Peder Helle". The navigation menu includes "HOME", "Problem Solving", "Downloads", "Keys & Requests", "Data Administration", "Maintenance & Services", and "SAP S". The "Downloads" menu is expanded, showing "SAP Software Distribution Center", "Support Packages and Patches", and "Search for Support Packages and Patches". The search results section displays "SAP Software Distribution Center" and "Search results in SAP Software Distribution Center". The search term is "JIDE08_0-10003480.SAR" and the search method is "All terms". The search results show "Search Results 1 - 1 of total 1" with a single result: "000001 JIDE08_0-10003480.SAR SAP Netweaver Developer Studio 7.00 SP08 Support Package NW DEVELOPER STUDIO 7.00 Win32".

Download (click on filename and select Save) the software package (460 MB) to your machine under **C:\Install_NWDS**

This screenshot shows the search results for "JIDE08_0-10003480.SAR". The page title is "SAP Software Distribution Center" and the search results are displayed under "Search results in SAP Software Distribution Center". The search term is "JIDE08_0-10003480.SAR" and the search method is "All terms". The search results show "Search Results 1 - 1 of total 1" with a single result: "000001 JIDE08_0-10003480.SAR SAP Netweaver Developer Studio 7.00 SP08 Support Package NW DEVELOPER STUDIO 7.00 Win32".

The **Adobe Life Cycle Designer 7.1** is required if you would like to develop SAP Interactive Forms.

- ⇒ Download
- ⇒ **Installations and Upgrades**
- ⇒ Search for Installations and Upgrades

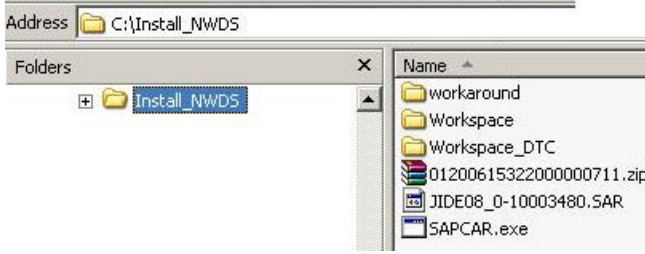
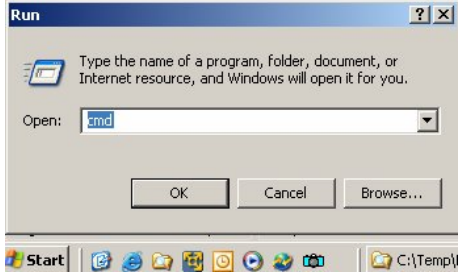

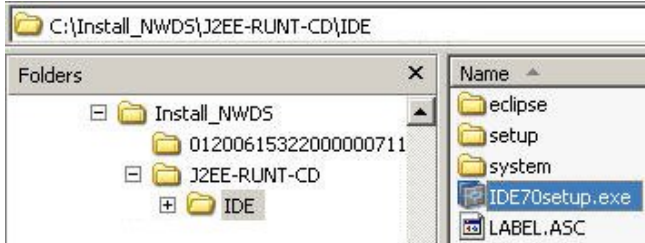
Enter **01200615322000000711** in the search field and press search.

The screenshot shows the SAP Support Portal interface. The address bar displays <https://websmp207.sap-ag.de/swdc>. The page title is "SAP Support Portal" and the user is logged in as "Peder Helle". The navigation menu includes "HOME", "Problem Solving", "Downloads", "Keys & Requests", "Data Administration", "Maintenance & Services", and "SAP S". The "Downloads" menu is expanded, showing "SAP Software Distribution Center", "SAP Installations & Upgrades", "SAP Support Packages", and "Database Patches". The search results section displays "SAP Software Distribution Center" and "Search results in SAP Software Distribution Center". The search term is "01200615322000000711" and the search method is "All terms". The search results show "Search Results 1 - 1 of total 1" with a single result: "000001 01200615322000000711 Adobe LiveCycle Designer 7.1 CD".

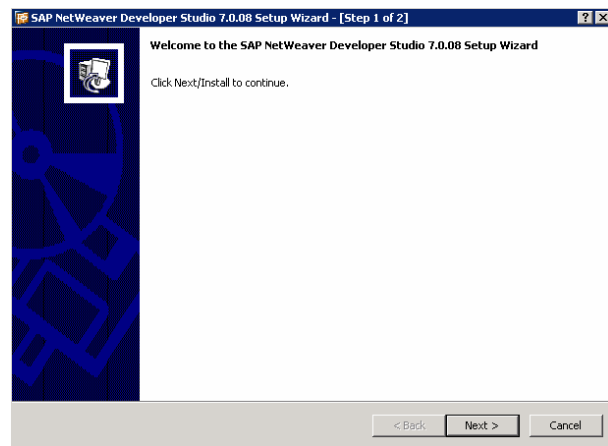
Download the software package (167 MB) to your machine under **C:\Install_NWDS**

This screenshot shows the search results for "01200615322000000711". The page title is "SAP Software Distribution Center" and the search results are displayed under "Search results in SAP Software Distribution Center". The search term is "01200615322000000711" and the search method is "All terms". The search results show "Search Results 1 - 1 of total 1" with a single result: "000001 01200615322000000711 Adobe LiveCycle Designer 7.1 CD".

Step 2: Extracting the software packages

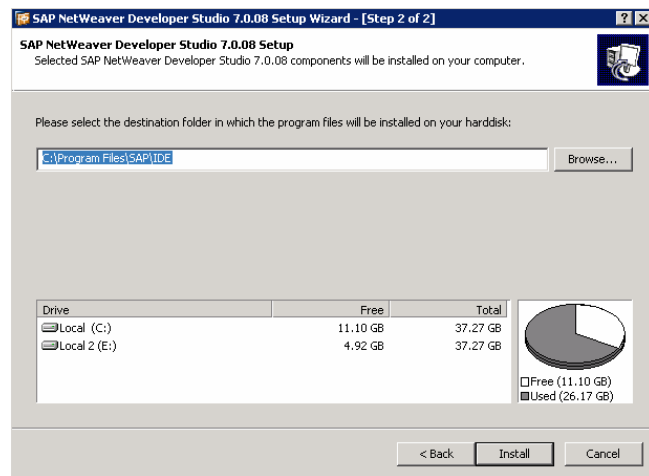
<p>The structure of all downloaded packages should now look like this:</p>																	
<p>To extract the NW Developer Studio SAR-file, open a command prompt:</p> <ul style="list-style-type: none"> ⇒ Start ⇒ Run ⇒ Type in cmd and press OK 																	
<p>Navigate to the folder with the SAR-file (e.g. C:\Install_NWDS)</p> <p>Type in sapcar -xf JIDE08_0-10003480.SAR to start the extraction</p>																	
<p>After extraction, you will have a new folder J2EE-RUNT-CD in the directory containing the setup-files.</p>	<table border="1" data-bbox="732 1010 1263 1241"> <thead> <tr> <th>Name</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>J2EE-RUNT-CD</td> <td></td> </tr> <tr> <td>workaround</td> <td></td> </tr> <tr> <td>01200615322000000711.zip</td> <td>171,507 KB</td> </tr> <tr> <td>Client_Actions_NWDS.pdf</td> <td>723 KB</td> </tr> <tr> <td>JIDE08_0-10003480.SAR</td> <td>471,441 KB</td> </tr> <tr> <td>SAPCAR.exe</td> <td>2,660 KB</td> </tr> </tbody> </table>	Name	Size	J2EE-RUNT-CD		workaround		01200615322000000711.zip	171,507 KB	Client_Actions_NWDS.pdf	723 KB	JIDE08_0-10003480.SAR	471,441 KB	SAPCAR.exe	2,660 KB		
Name	Size																
J2EE-RUNT-CD																	
workaround																	
01200615322000000711.zip	171,507 KB																
Client_Actions_NWDS.pdf	723 KB																
JIDE08_0-10003480.SAR	471,441 KB																
SAPCAR.exe	2,660 KB																
<p>The Adobe Life Cycle Designer package is a zip-file.</p> <p>Extract this to a folder of the same name, e.g. 01200615322000000711</p> <p>You are now ready with the preparations</p>	<table border="1" data-bbox="732 1283 1263 1535"> <thead> <tr> <th>Name</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>01200615322000000711</td> <td></td> </tr> <tr> <td>J2EE-RUNT-CD</td> <td></td> </tr> <tr> <td>workaround</td> <td></td> </tr> <tr> <td>01200615322000000711.zip</td> <td>171,507 KB</td> </tr> <tr> <td>Client_Actions_NWDS.pdf</td> <td>723 KB</td> </tr> <tr> <td>JIDE08_0-10003480.SAR</td> <td>471,441 KB</td> </tr> <tr> <td>SAPCAR.exe</td> <td>2,660 KB</td> </tr> </tbody> </table>	Name	Size	01200615322000000711		J2EE-RUNT-CD		workaround		01200615322000000711.zip	171,507 KB	Client_Actions_NWDS.pdf	723 KB	JIDE08_0-10003480.SAR	471,441 KB	SAPCAR.exe	2,660 KB
Name	Size																
01200615322000000711																	
J2EE-RUNT-CD																	
workaround																	
01200615322000000711.zip	171,507 KB																
Client_Actions_NWDS.pdf	723 KB																
JIDE08_0-10003480.SAR	471,441 KB																
SAPCAR.exe	2,660 KB																
<p>Step 3: Install NW Developer Studio</p>																	
<p>Select the folder with the setup files for the NetWeaver Developer Studio (e.g. C:\Install_NWDS\J2EE-RUNT-CD\IDE)</p> <p>Double-Click on "IDE70Setup.exe" to start the setup.</p>																	

Continue with **Next**



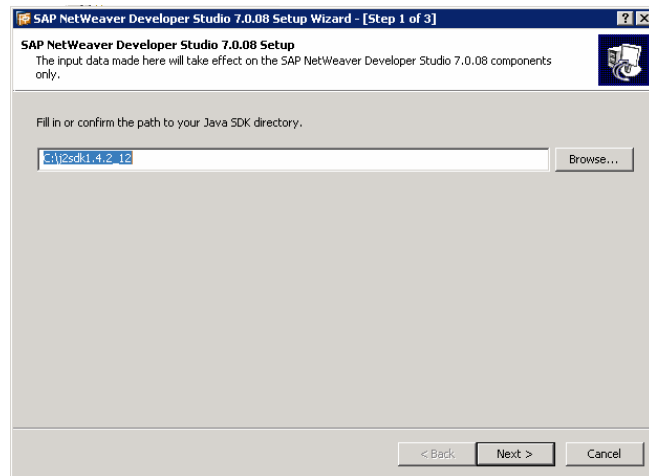
Select a folder of your choice, e.g. "C:\Program Files\SAP\IDE".

Continue with **Install**

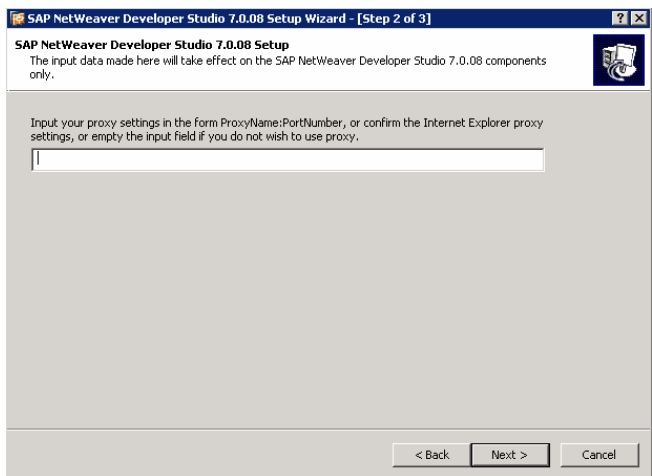


If the JDK has been properly installed, the path will be displayed and you can continue with **Next**

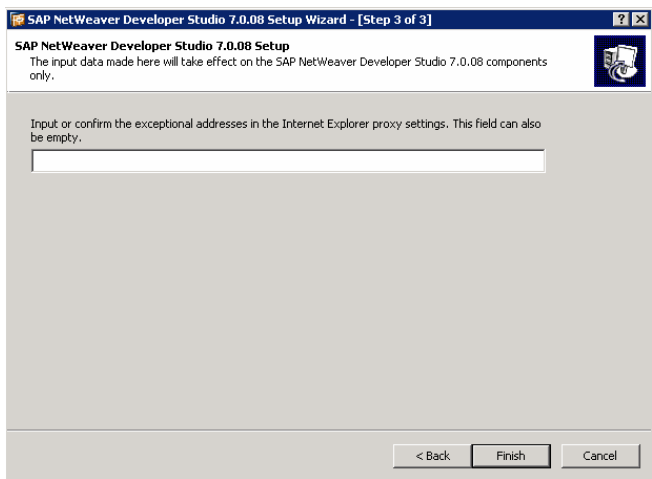
If the JDK has not been properly installed, **Cancel**. Start over after prerequisites are satisfied



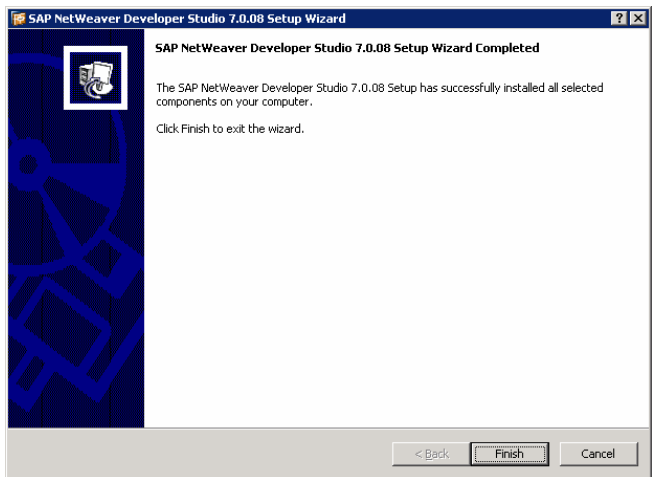
Remove the proxy settings and continue with **Next**



Leave the screen 3 empty and continue with **Finish**



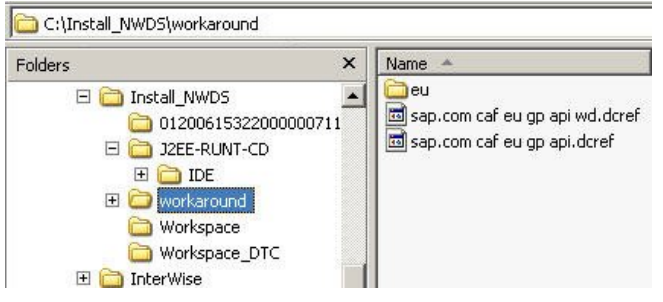
Setup has completed.



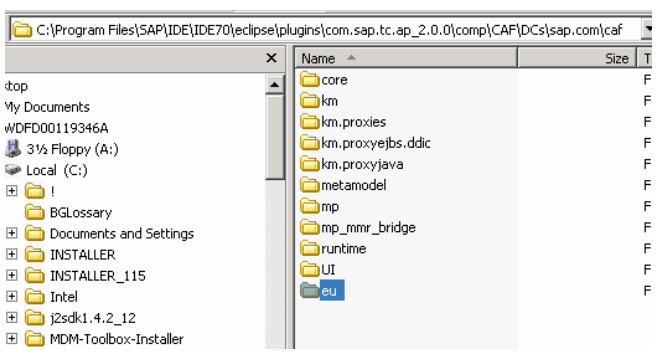
Step 4: Implement Workaround

Not included in the standard installation are the sources for the Guided Procedures interfaces used in Web Dynpro Callable Objects. To be able to develop Web Dynpro for Guided Procedures, the libraries must be manually copied into the installation.

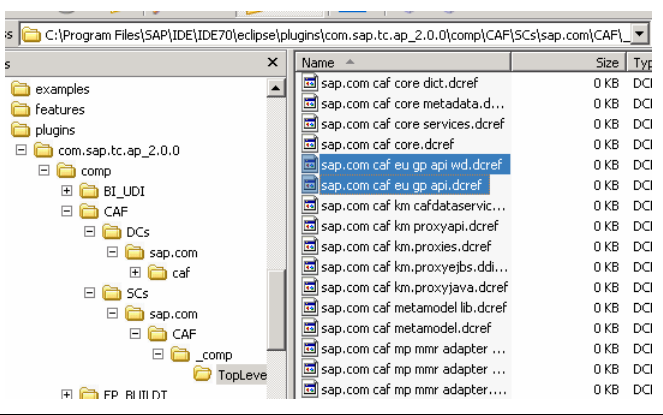
Open the folder “**workaround**”



Copy the Development Component folder “**eu**” into the folder
<IDE>\eclipse\plugins\com.sap.tc.ap_2.0.0\comp\CAF\DCs\sap.com\caf
 on the machine where you installed the NWDS.

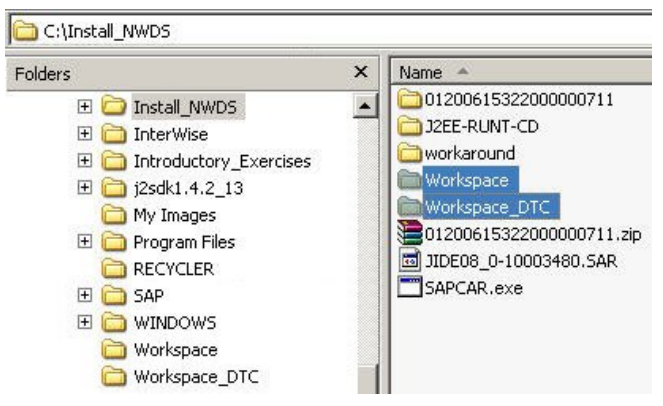


Then copy the meta-information
sap.com caf eu gp api wd.dcref and
sap.com caf eu gp api.dcref
 into the folder
<IDE>\eclipse\plugins\com.sap.tc.ap_2.0.0\comp\CAF\SCs\sap.com\CAF_comp\TopLevelDCs
 on the machine where you installed the NWDS.

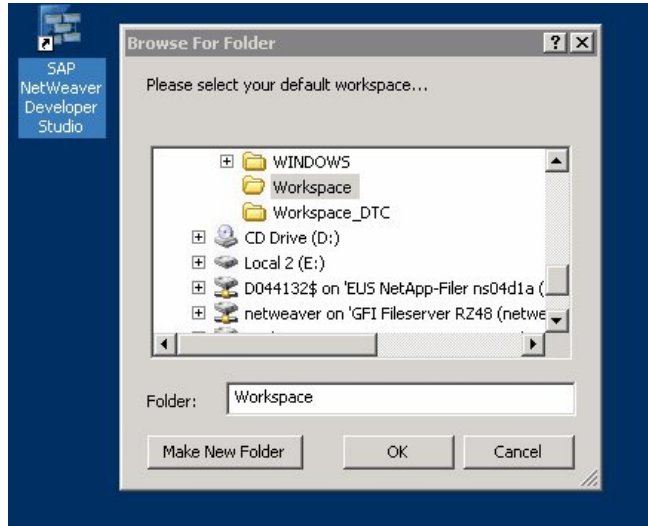


Step 5: Configure Developer Studio

Copy two folders **Workspace** and **Workspace_DTC** from **Install_NWDS**. Basically, they can be pasted anywhere, but due to the long-paths of some CAF Web Dynpro projects it is recommended to put them **at the root level** (e.g. C:\Workspace and C:\Workspace_DTC.)



Open NetWeaver Developer Studio and select the **Workspace** folder as your default workspace.

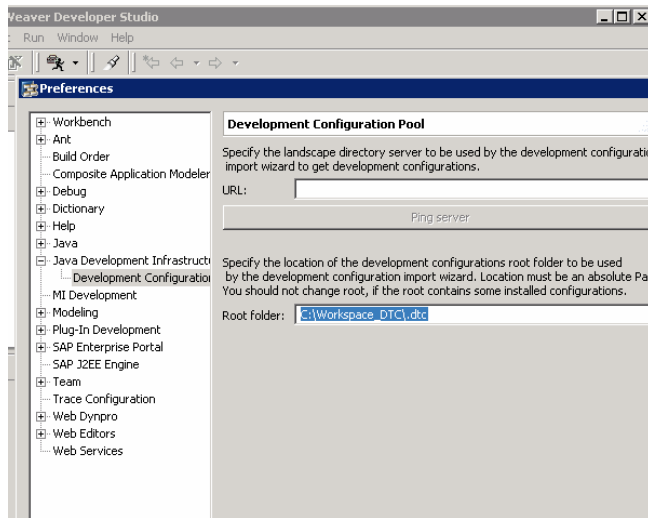


Open the **Window/Preferences** and navigate to the folder:

Development Configuration Pool

Change to Root folder to
C:\Workspace_DTC\dtc

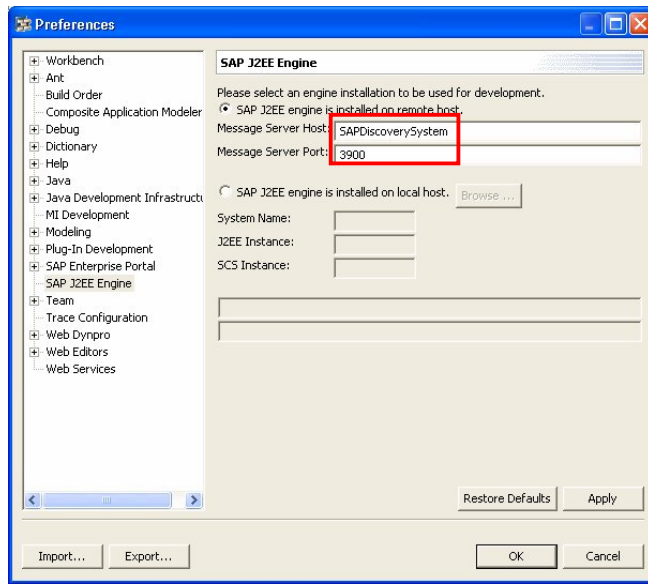
Note: ".dtc" must be added manually



Change the settings of the J2EE Engine according to the entries in the hosts-file above.

Navigate to the folder "**SAP J2EE Engine**" and change the name of the Message server to **SAPDiscoverySystem**.

Note: The **server port** can be found on the System under <http://SAPDiscoverySystem:51000/sap/monitoring/SystemInfo> (login is j2ee_admin/sapides123)=> Message Server



Address

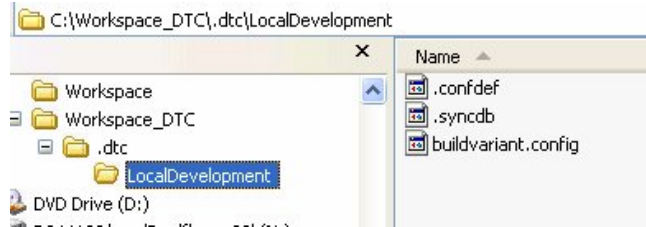
System ERP

[Find other systems in SLD...](#)

Message Server	Enqueue Server
Host: iwdfvm2160	Host: iwdfvm2160
Port: 3900	Port: 3200

Restart the NetWeaver Developer Studio in order make to changes take effect

Note: In particular, the folder **Workspace_dtc** will be configured as seen in the screenshot

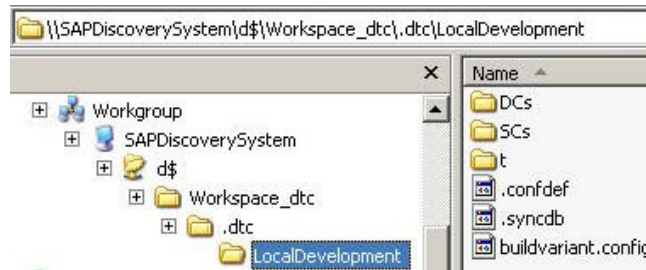


Step 6: Copy Development Components to your local NWDS (optional)

If you would like to copy the source code from the **Discovery System** image onto you local NWDS installation, this is how to do it

Connect to your SAP Discovery System from your machine – e.g. [\\SAPDiscoverySystem\d\\$](#). It may be easier to access this folder using the Discovery System's IP address.

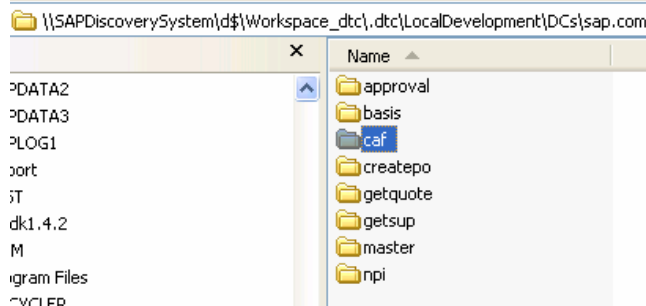
The source code can be found on the **d-drive** in the folder „**workspace_dtc\dtc\Local Development**“.



The source code is organized in two folders, the DCs (Development Components – source code) and the SCs (Software Components – meta informations)

Select the DCs you would like to copy – e.g. **sap.com\caf**

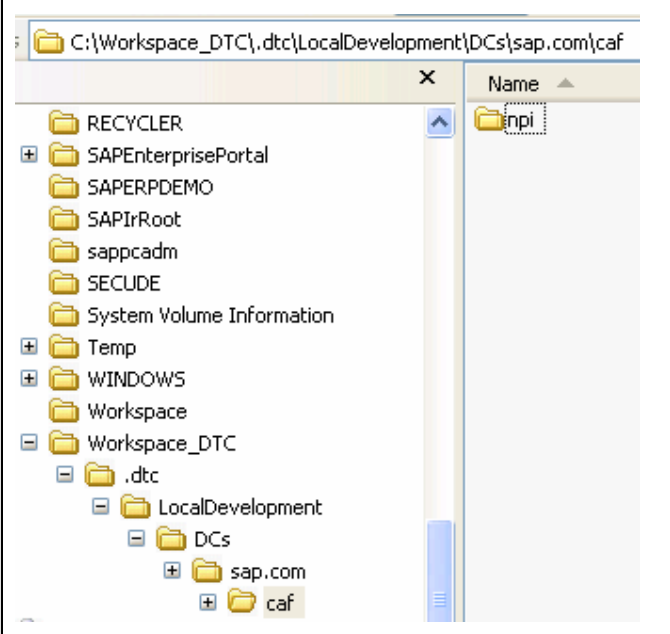
Note: Be careful when choosing the folder to copy – unintentionally overwriting existing source code is easily done!



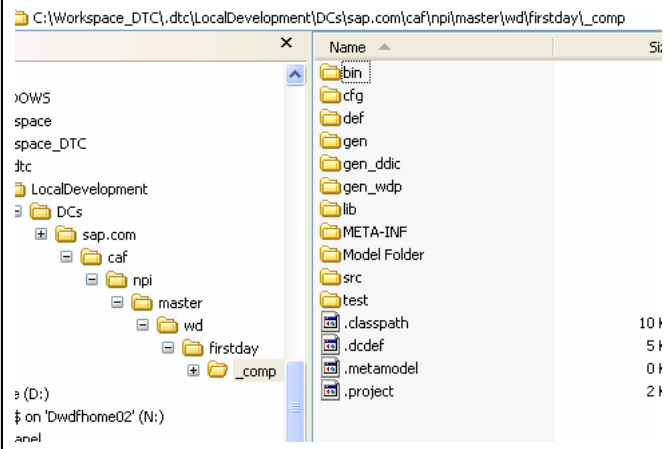
Add sub-folders under **C:\Workspace_DTC** as necessary to make this tree:

C:\Workspace_DTC\dtc\LocalDevelopment\DCs\sap.com

Paste the **caf** folder to your local installation folder under **sap.com**:

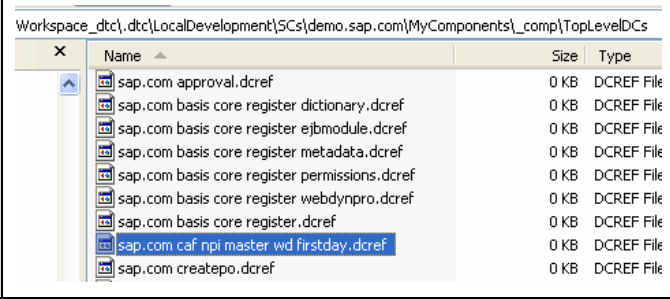


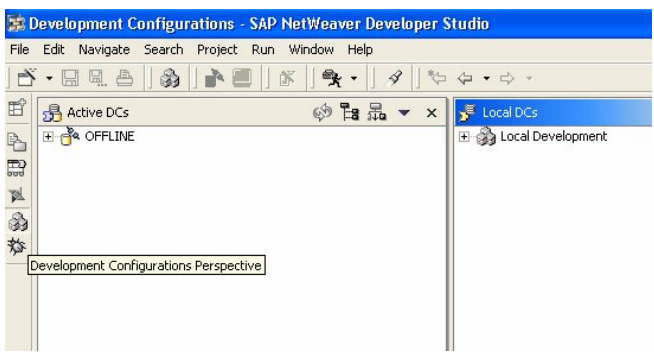
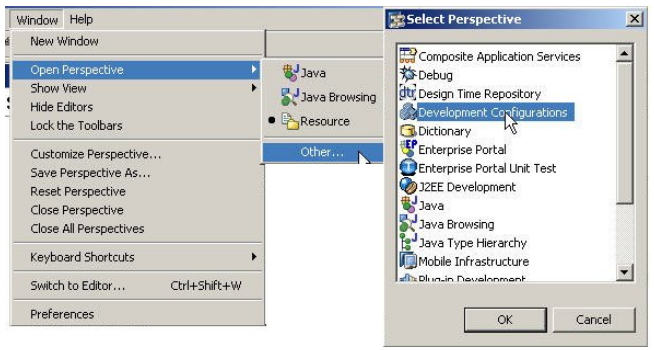
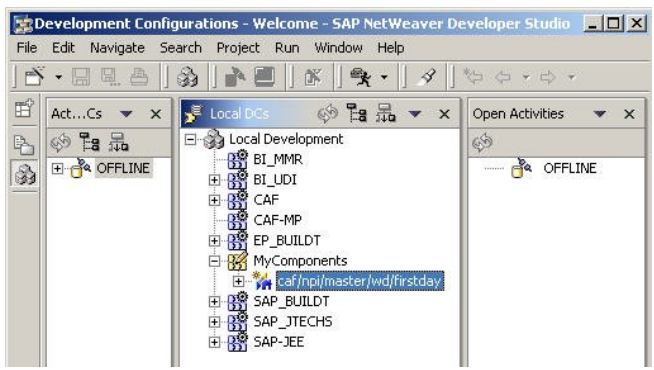
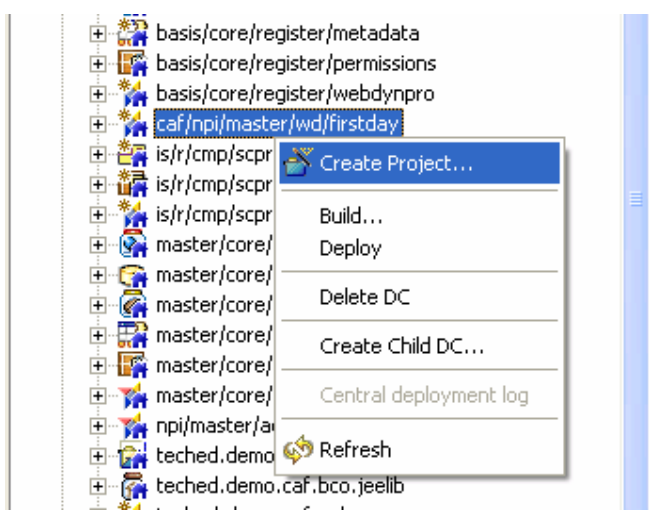
The folder contains all source files of the DC



Optional: Some DCs are organized with a subfolder-structure (e.g. “\caf\npi\master”), you need to copy the respective definitions (dcref) as well.

Note: This action is dependant on the source code you would like to copy. Our example DOES NOT REQUIRE this; other source code might have this requirement.



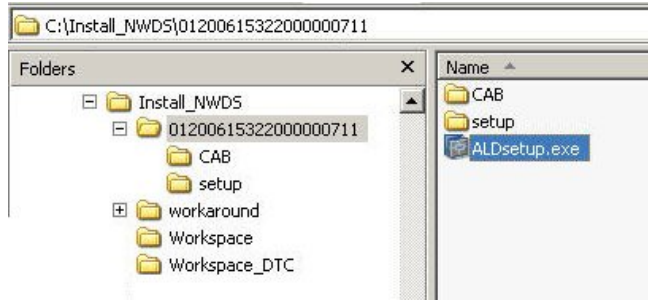
<p>Start the NW Developer Studio and open the “Development Configurations Perspective” Use either the icon in left bar, or ...</p>	
<p>... open from menu Window > Open Perspective > Other > Development Configurations. Icon will also now appear in left bar.</p>	
<p>Under “my Components” you will find the list of all DCs developed on this machine as well as the ones you copied.</p>	
<p>A machine used for developing many components may look like the image at right. Following our example only, you may see only the component caf/npi/master/wd/firstday. Select the DC you would like to use and select “Create Project” from the context menu. The projects will now be created with the appropriate project type (CAF, Web Dynpro, J2EE etc).</p> <p>Rebuild the projects to refresh all settings.</p> <p>You are now ready to continue developing with these projects.</p>	

Note: If your DC is e.g. a CAF Core project, you must select all 6 subprojects before creating the project.

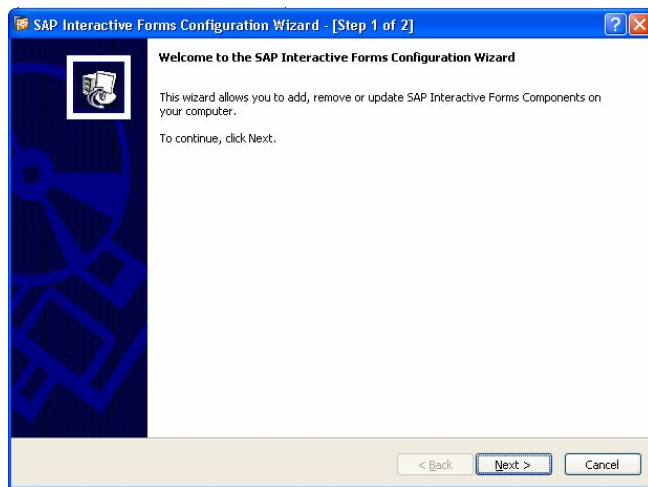
Step 7: Install Adobe Life Cycle Designer 7.1

Select the folder with the setup files for the Adobe Lifecycle Designer 7.1 (e.g. C:\Install_NWDS\01200615322000000711)

Double-Click on “**ALDSetup.exe**” to start the setup.



Follow the instructions...



To start the Adobe Designer independent of the NWDS – open the **FormDesigner** executable under **C:\Program Files\Adobe\Designer 7.1**.

