Roundtable / Dynamics
Upgrading to Dynamics 2.1B

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1 Introduction

This document describes the process of upgrading a Roundtable installation with Roundtable and Dynamics to Progress Dynamics 2.1B. The processes described in this document refer to an upgrade from an environment with Dynamics 2.1A03 to Dynamics 2.1B.

Performing a new installation is not described in this document. The PSDN document describing the installation of Dynamics and Roundtable should be used as a reference instead.

2 Installation preparation

2.1 Pre-requisites

The following product installations are a pre-requisite for the installation and use of the Roundtable Dynamics integration with Dynamics 2.1B:

2.1.1 Roundtable 9.1D05 or higher

The Roundtable Dynamics integration supported by Tugboat Software requires that Roundtable 9.1D and patch 9.1D05 have been installed.

Roundtable 9.1C has not been tested with this release of Dynamics, and it is not supported by Tugboat Software.

The steps for upgrading a Roundtable installation and Roundtable repository to 9.1D are not included in the upgrade document. Please refer to the installation notes available from the Roundtable website.

2.1.2 Progress 9.1E

Dynamics 2.1B requires that Progress 9.1E is installed and used during and after the upgrade to this release of Dynamics.

2.1.3 Dynamics 2.1B

The Roundtable Partner Site deployment package described in this document contains a copy of the commercial Progress Dynamics 2.1B code. This code is limited to the code needed to make a workspace complete enough for application development with Dynamics as a part of the application.

There are some other files included in the commercial CD installation of Dynamics 2.1B from Progress Software. It is therefore important that this has been installed separately prior to performing this upgrade.

3 Installing and loading the incremental partner site deployment

3.1 Partner site deployment packages

The Roundtable Partner Site Deployment packages provided for Dynamics 2.1B consist of 2 packages:

1. An incremental deployment package for upgrading from Dynamics 2.1A03 to Dynamics 2.1B. This deployment is provided as a .zip file with the name: **rtb_020103_0201B0.zip**

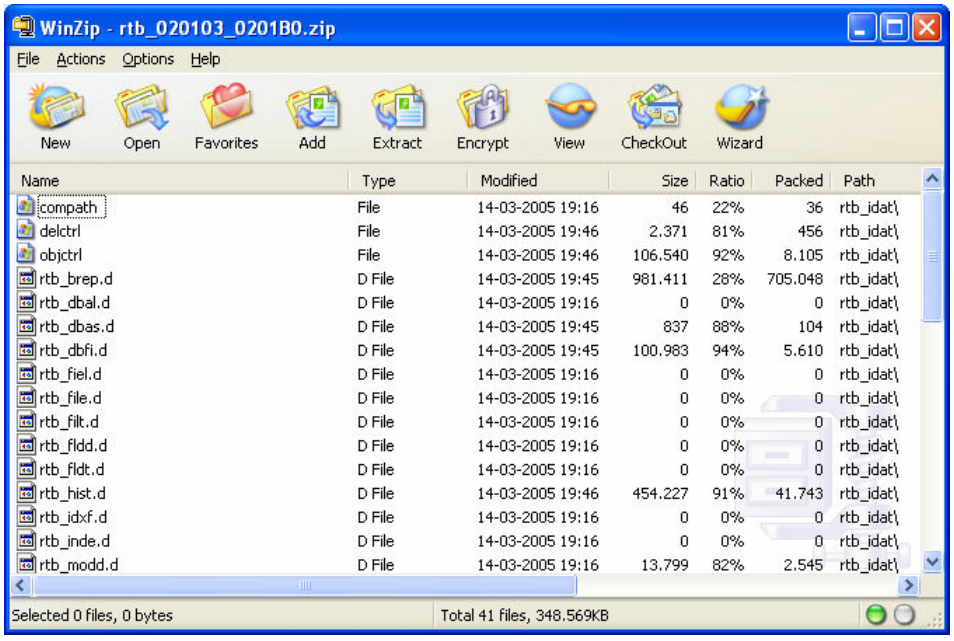
2. A full partner site deployment package for creating a new full Dynamics 2.1B Roundtable environment. This deployment is provided as a .zip file with the name: **rtb_0201B0.zip**

NOTE: Both of the .zip files with the partner site deployment only contain the contents of the rtb_* directories from the deployments. They do not contain the files that were generated from the deployment. This has been done intentionally to reduce the download size of the .zip files. The contents of the workspaces contained in these .zip files can be extracted from the updated RTB repository using the Populate Workspace functionality in Roundtable.

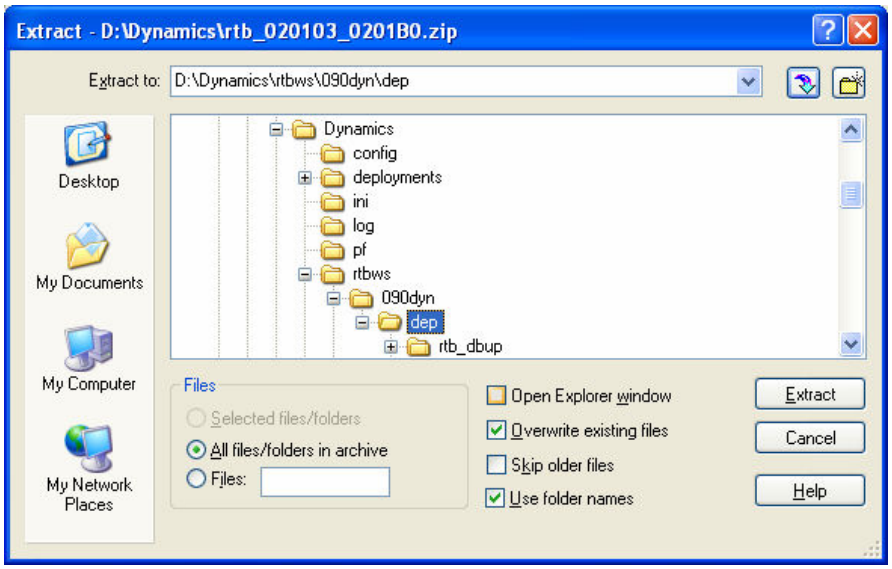
3.2 Updating the 090dyn-dep receipt workspace

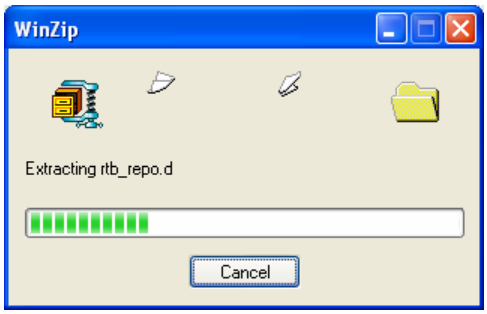
3.2.1 Loading the partner site deployment

1. Locate the correct .zip file with the incremental partner site deployment and open it in WinZip or an equivalent tool.

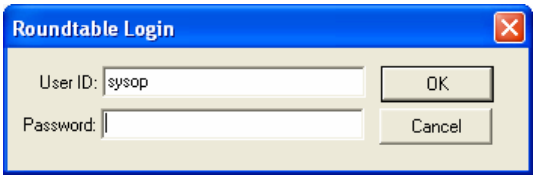


2. Unzip the contents of the .zip file to the root of the 090dyn-dep workspace (e.g. *D:\Dynamics\rtbws\090dyn\dep*).





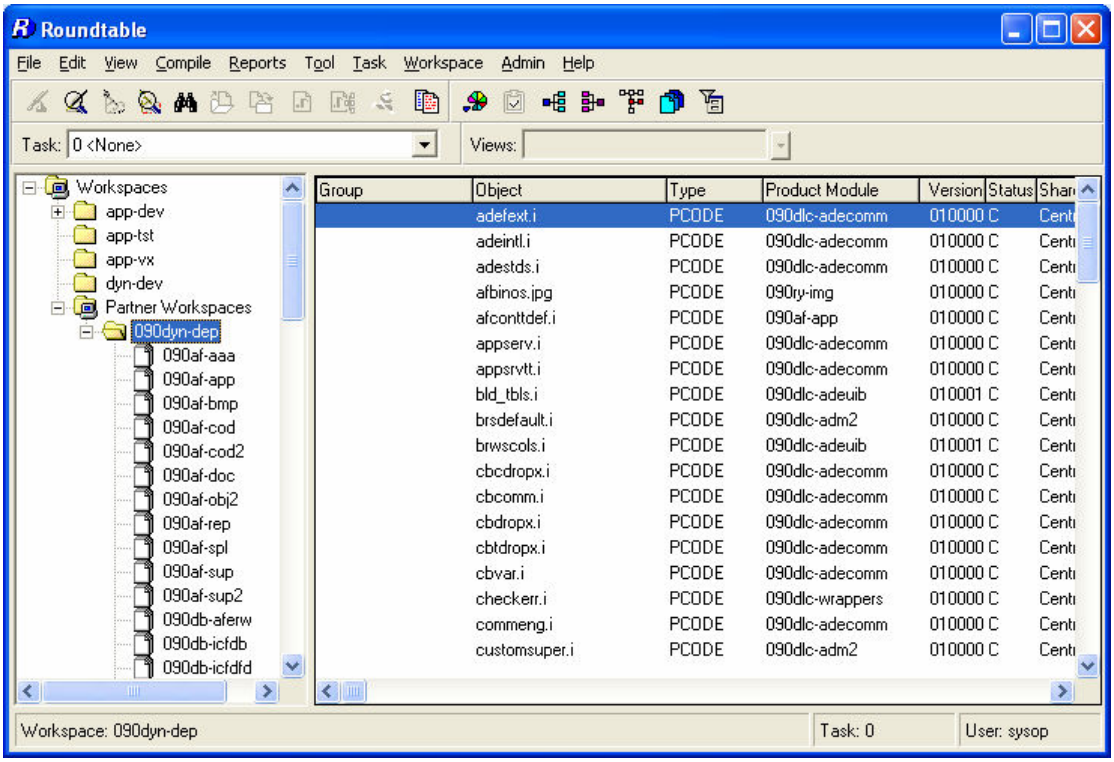
3. Once the package has been unpacked, start Roundtable and log in as the sysop user.



4. **Select the 090dyn-dep workspace** and log in to the Dynamics environment.

This workspace should be a fully functional workspace where the default version of Dynamics can be run and used as a reference.

The reason for selecting this workspace before the Partner Site Replication is to **ensure that the date format and numeric formats are correctly set** for the session when loading the partner site data.

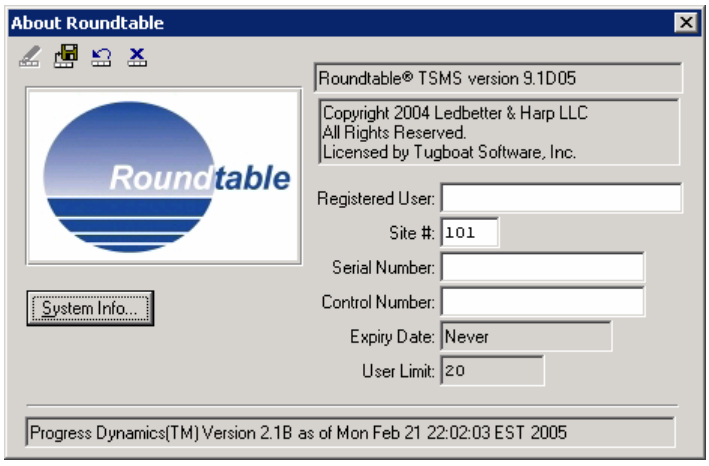


5. **Change the RTB site number**

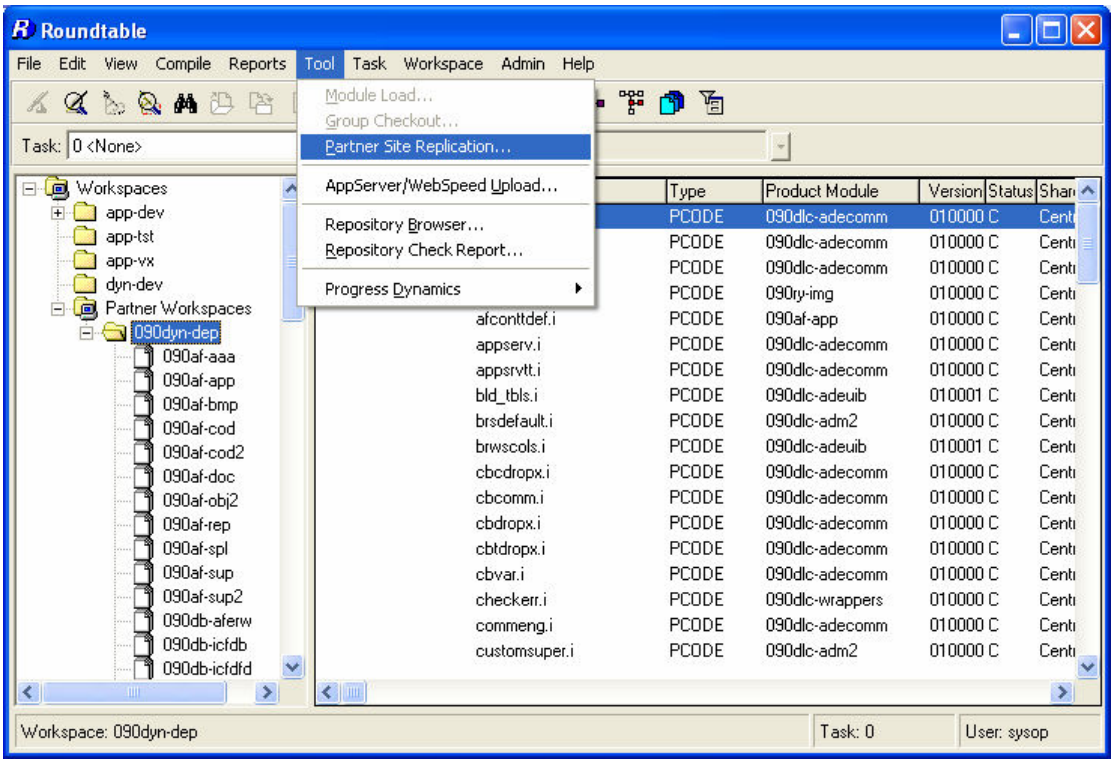
If the RTB site number is 000, then this should be temporarily changed prior the Partner Site Replication.

This is necessary as there are new Code Subtype definitions added to the repository for this release. These will not be loaded into the RTB repository if the site number is 000.

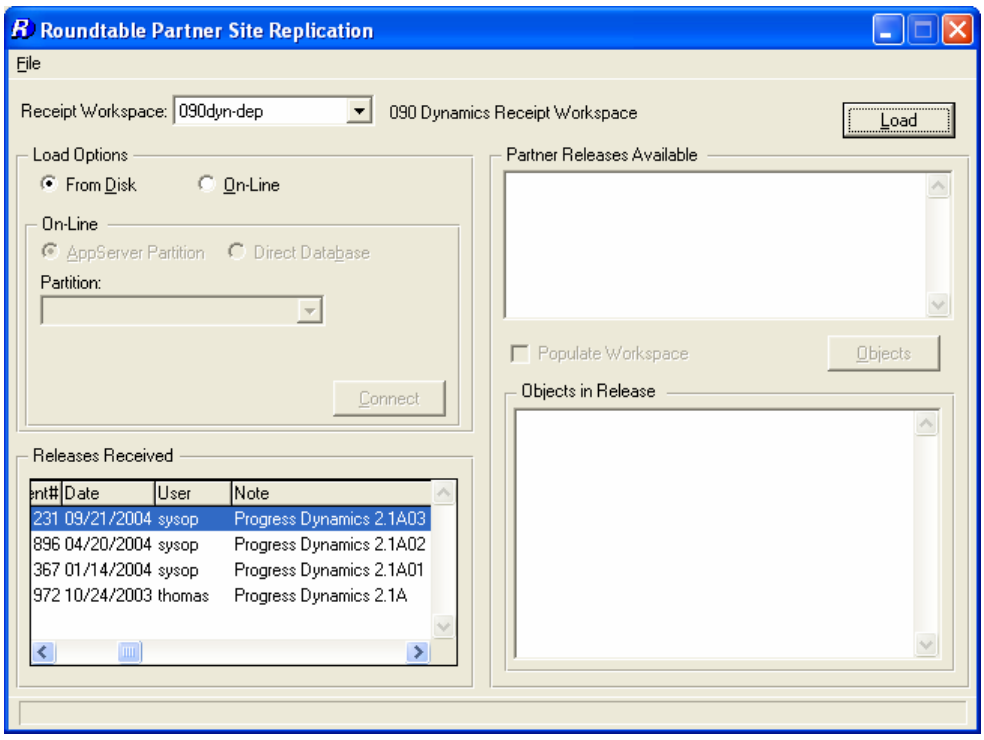
Set the site number to 101.



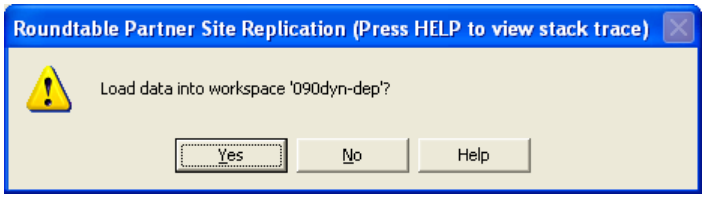
6. Select **Tool ➔ Partner Site Replication**.



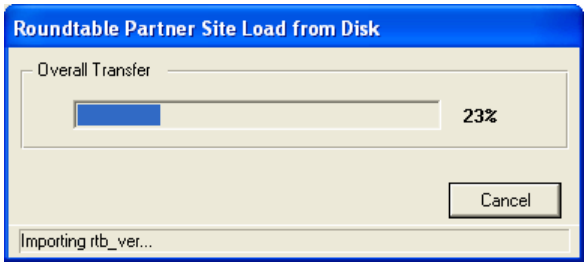
7. Select the 090dyn-dep workspace and the Load option “From Disk”. Press the Load button.



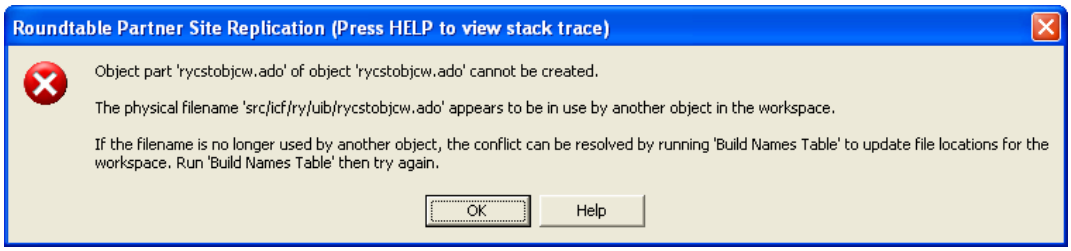
8. Answer yes to the following question



9. The Partner Site Replication is now started.

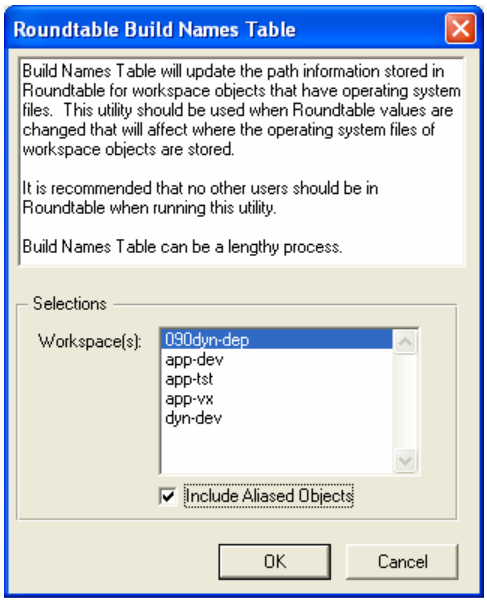


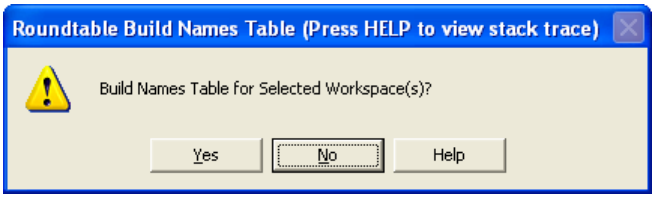
10. At the end of the Partner Site Replication the error shown below may come up:



This error occurs because the static **rycstobjcw.w** has been deleted in the Dynamics 2.1B package, and a new dynamic object with the name **rycstobjcw.ado** has been created in the same release. This causes problems with the object part names table in the Roundtable repository.

11. In order to resolve this issue, run the Build Names Table function in Roundtable.



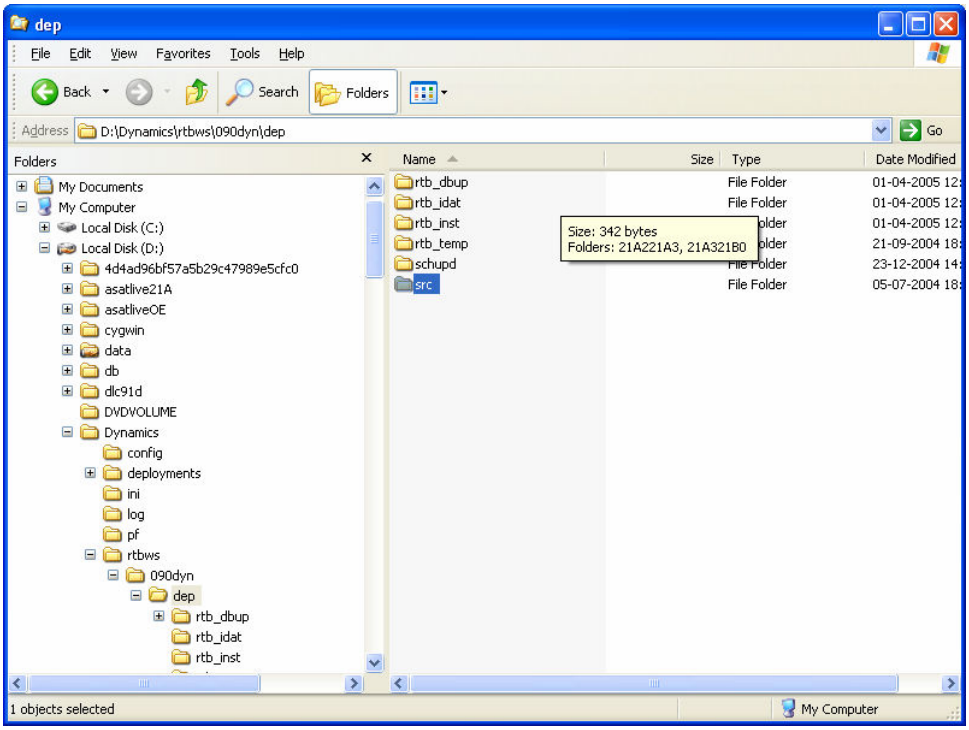


12. To be absolutely sure that all of the partner data has been correctly loaded into the repository, it is recommended that the Partner Site Replication is re-run after Build Names table has been run.

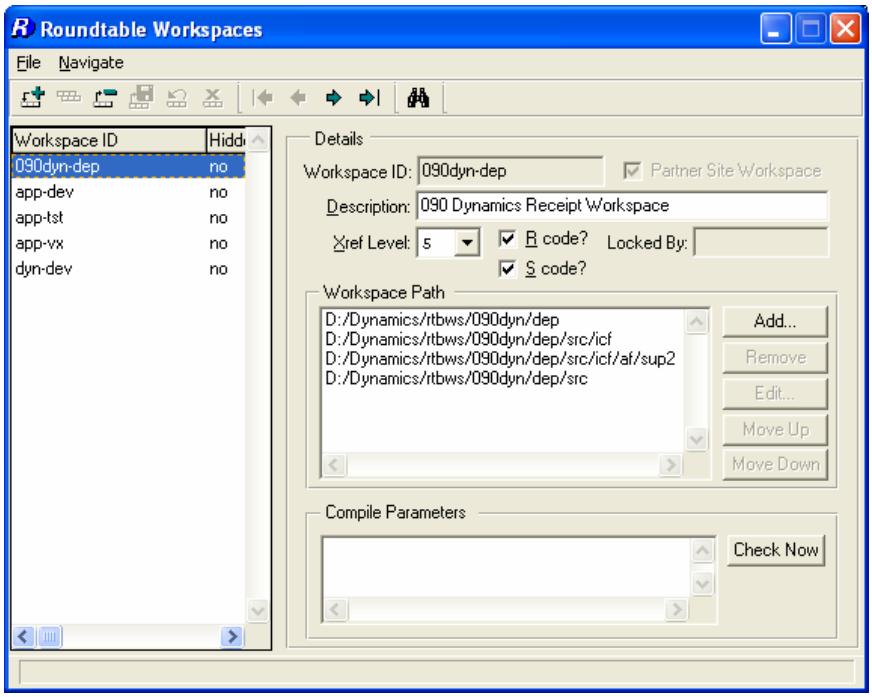
3.2.2 Populate Workspace

Once the Partner Replication has completed, the files on disk for the workspace have to be updated.

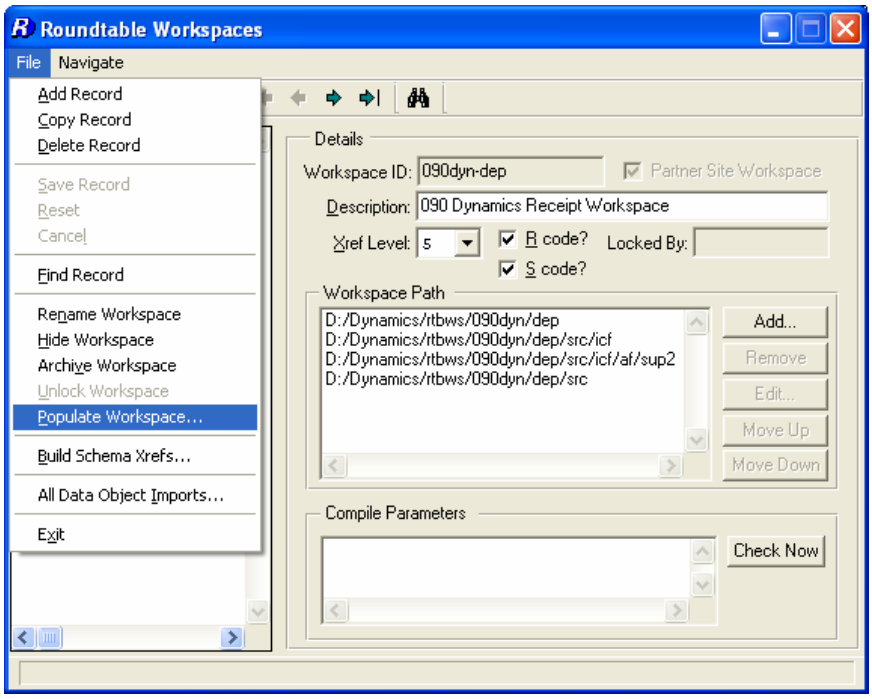
1. **Delete the source contents of the 090dyn-dep workspace**. To make sure that deleted objects that are no longer part of the 090dyn-dep workspace, the following sub-directories for the workspace should be deleted:
    a. <090dyn-dep workspace root>\src



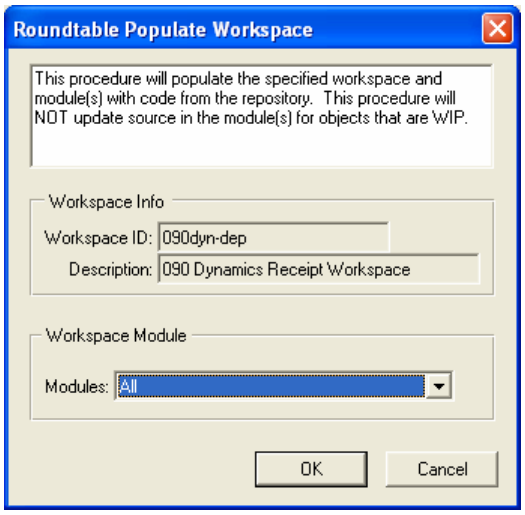
2. Start the **Workspace Maintenance**.



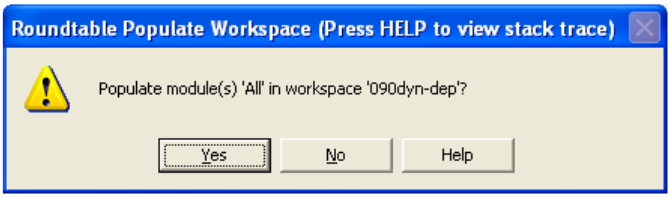
3. **Select the 090dyn-dep workspace**, and **select Populate Workspace** from the File menu.



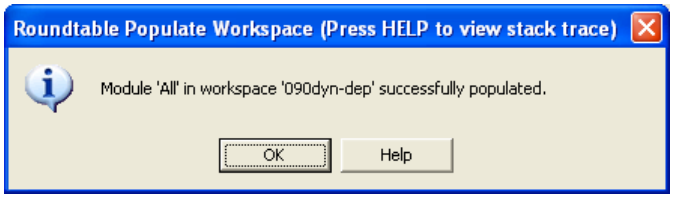
4. **Select "All" modules** and press **OK**.



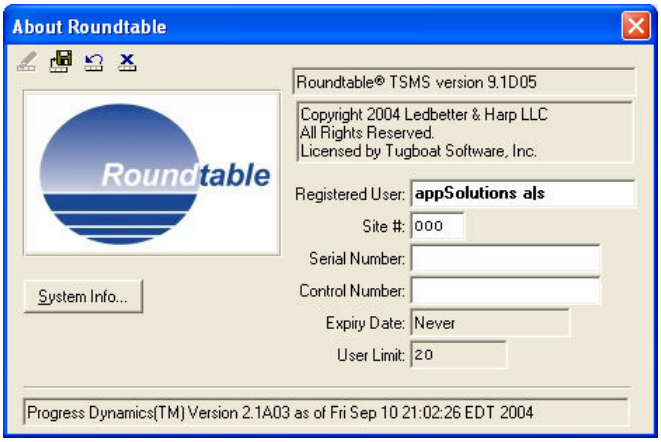
5. **Select Yes**.



6. When the Populate Workspace is completed select **OK**.



7. Once the Populate Workspace is completed, remember to reset the Roundtable Site number back to 000 if it was changed at the start of the upgrade process.



1. When the source code for the workspace has been regenerated, the ICFDB database must be updated and the contents of the workspace recompiled. This should be done using the Dynamics Configuration Utility (DCU).

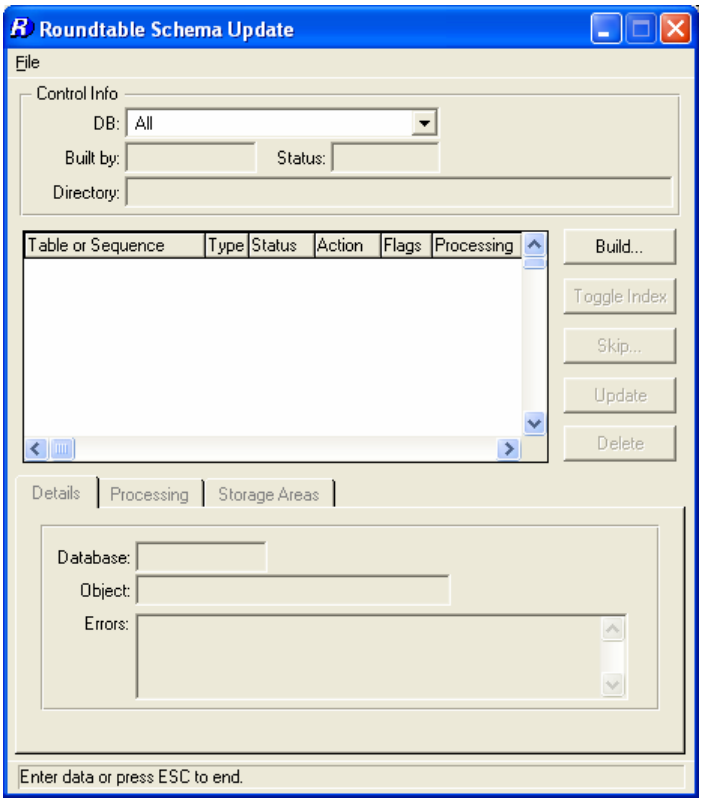
3.2.3 Upgrading the 090dyn-dep ICFDB database

The ICFDB database for the 090dyn-dep workspace needs to be updated with the DCU from Dynamics 2.1B.

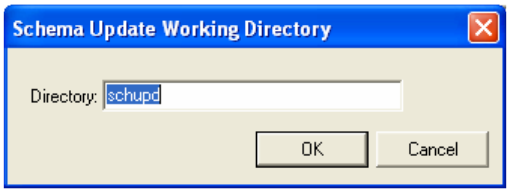
3.2.3.1 Update Schema

There are schema changes included in the partner site deployment. These schema changes have to be "applied" to the receipt workspace. This is necessary even though Roundtable is not being used to update the schema of the workspace database with the Roundtable Dynamics integration.

Select Workspace ➔ Update Schema

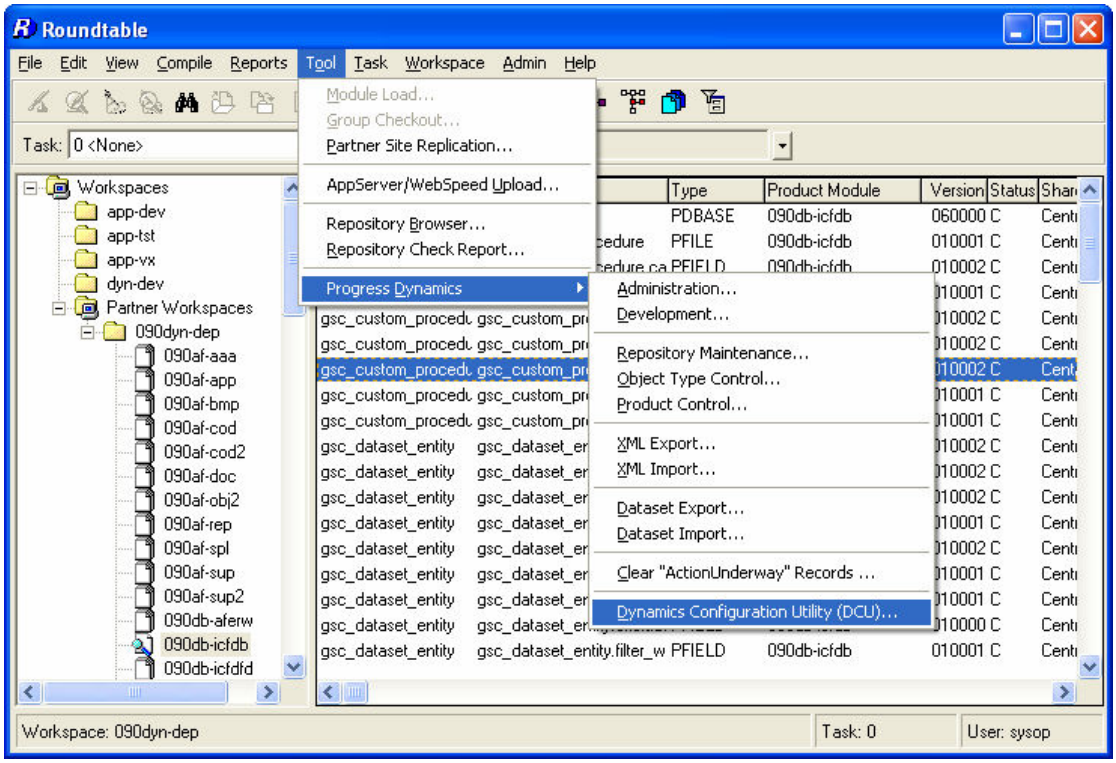


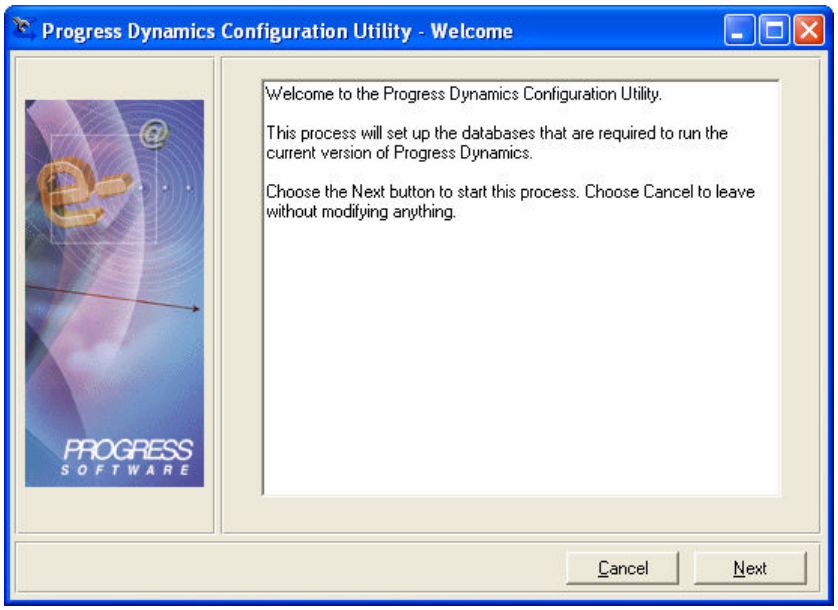
Press **Build**



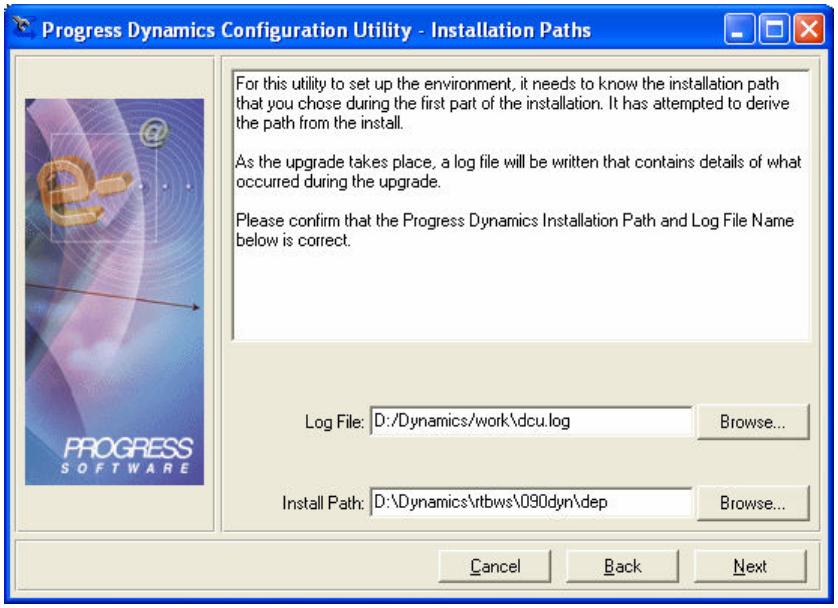
3.2.3.2 Running the DCU

Start the DCU from Tool ➔ Progress Dynamics ➔ Dynamics Configuration Utility (DCU)

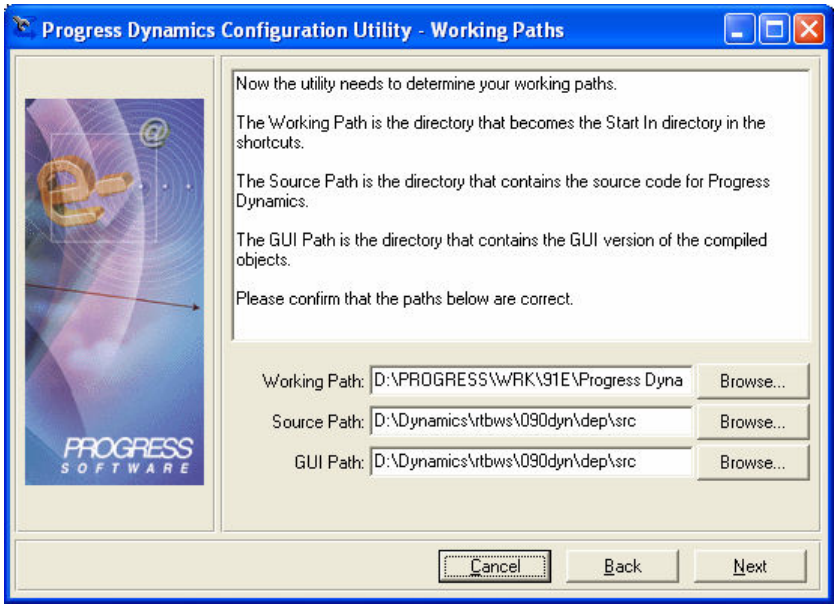

Roundtable
File Edit View Compile Reports Tool Task Workspace Admin Help
Module Load...
Group Checkout...
Partner Site Replication...
AppServer/WebSpeed Upload...
Repository Browser...
Repository Check Report...
Progress Dynamics
Administration...
Development...
Repository Maintenance...
Object Type Control...
Product Control...
XML Export...
XML Import...
Dataset Export...
Dataset Import...
Clear "ActionUnderway" Records ...
Dynamics Configuration Utility (DCU)...
Task: 0 <None>
Workspaces
app-dev
app-tst
app-vx
dyn-dev
Partner Workspaces
090dyn-dep
090af-aaa
090af-app
090af-bmp
090af-cod
090af-cod2
090af-doc
090af-obj2
090af-rep
090af-spl
090af-sup
090af-sup2
090db-aferw
090db-icfdb
090db-icfdfd
Type
Product Module
Version
Status
PDBASE 090db-icfdb 060000 C
PFILE 090db-icfdb 010001 C
gsc_dataset_entity.filter_w PFIELD 090db-icfdb 010001 C
Workspace: 090dyn-dep
Task: 0
User: sysop


Progress Dynamics Configuration Utility - Welcome
Welcome to the Progress Dynamics Configuration Utility.
This process will set up the databases that are required to run the current version of Progress Dynamics.
Choose the Next button to start this process. Choose Cancel to leave without modifying anything.
PROGRESS
SOFTWARE
Cancel
Next

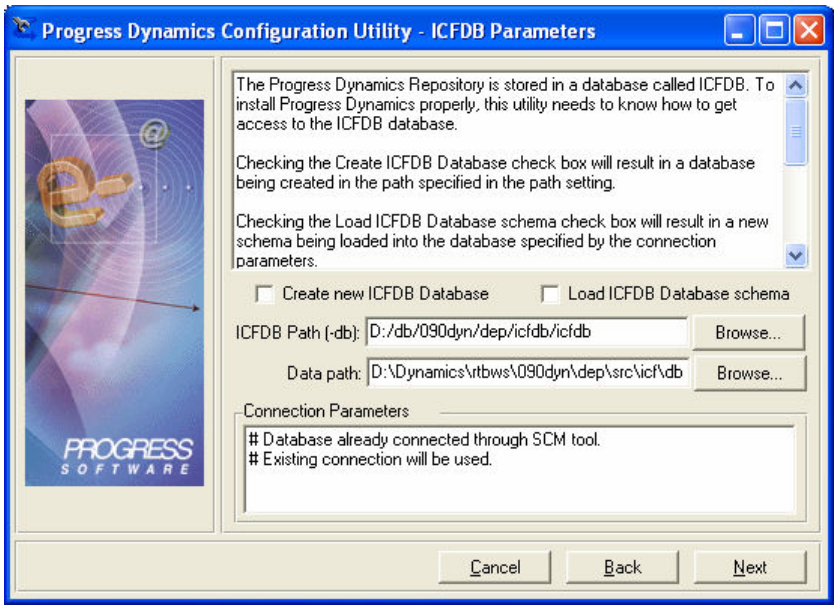
Change the Install Path to be the root path of the 090dyn-dep workspace.



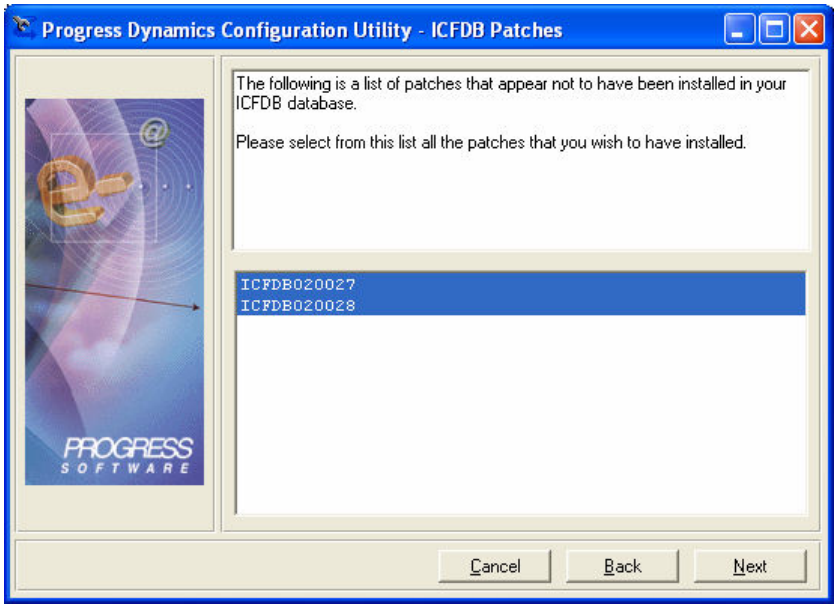
Change the GUI Path to be the same as the Source Path.



The database connection to the ICFDB database is automatically picked up from the set in the database connection screen.



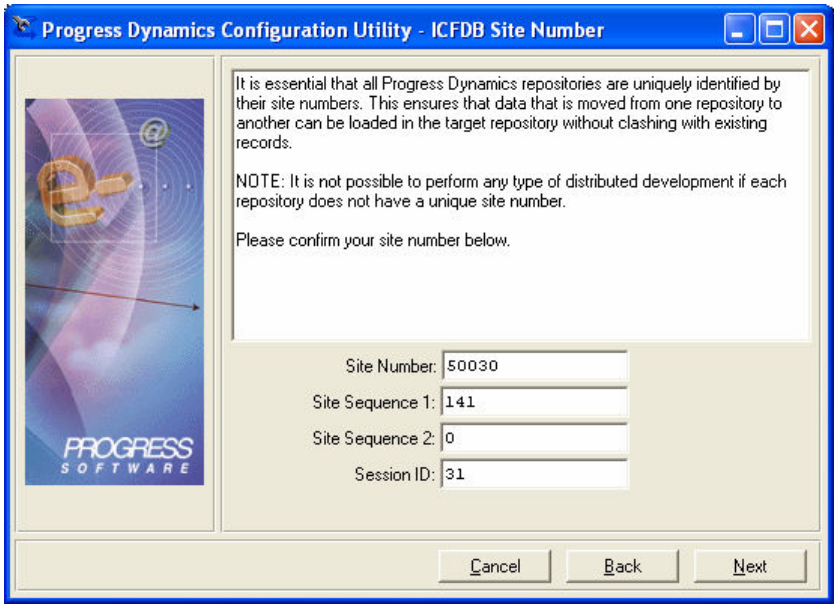
The next screen shows the patch levels that will be applied to the ICFDB database.



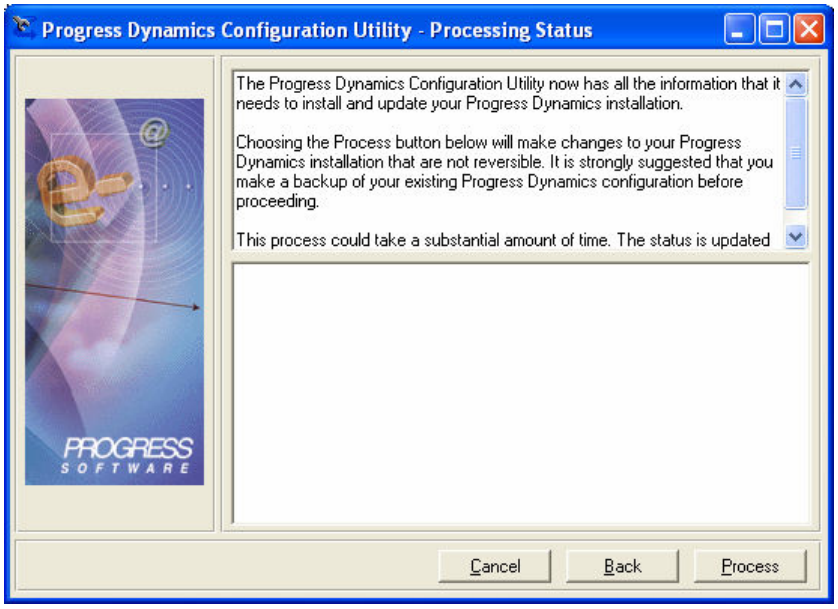
NOTE: For this particular update, **these patches do not contain any actual schema changes**. They just result in the database version sequence for the database being updated to the correct level and ado file load information being loaded into the ICFDB repository.

This is because there are no schema changes between Dynamics 2.1A03 and Dynamics 2.1B.

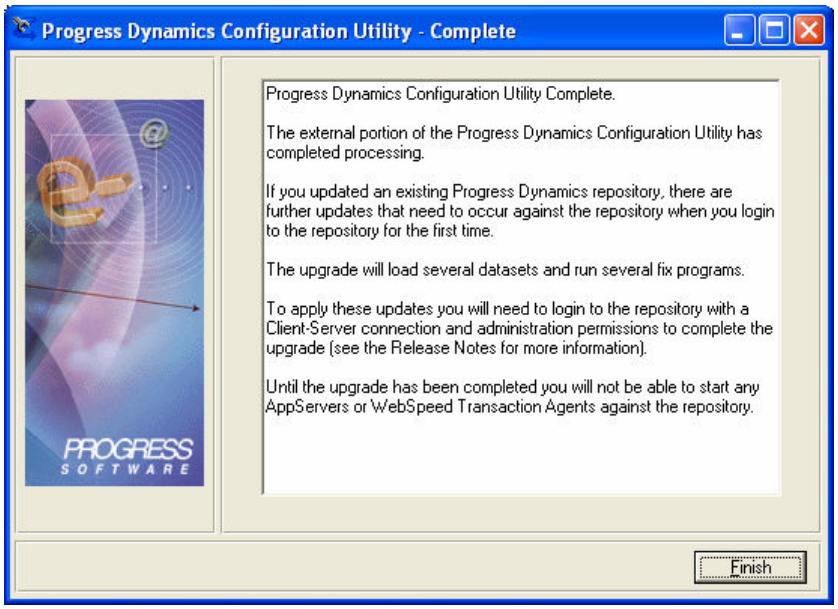
The next screen shows ICFDB site number details. These do not need to be changed.



Press **Process** to start the update process.



When the DCU has completed doing the update (this will is a very fast update and only takes a few seconds) press **Finish**.



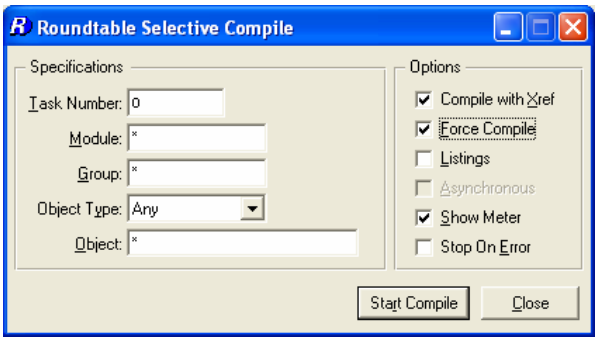
Reselect the 090dyn-dep workspace and **login in as** the **admin** user. This will launch the second stage of the DCU.

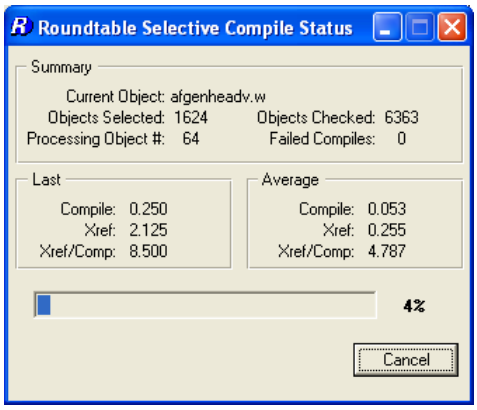
The second stage of the DCU loads a number of .ado files into the ICFDB database.

When this load is complete, the ICFDB repository for 090dyn-dep update is complete.

3.2.3.3 Recompiling the workspace

Recompile the entire workspace using the **Selective Compile** utility and doing a full forced compile.





3.2.4 Importing changes from 090dyn-dep

Now that the partner site deployment has been loaded and processed in the 090dyn-dep workspace it is time to import these changes into the next workspace in the flow.

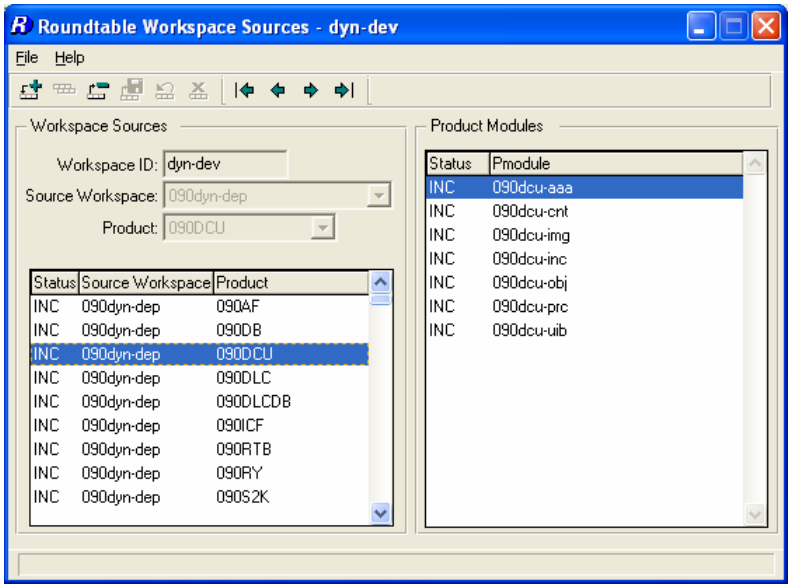
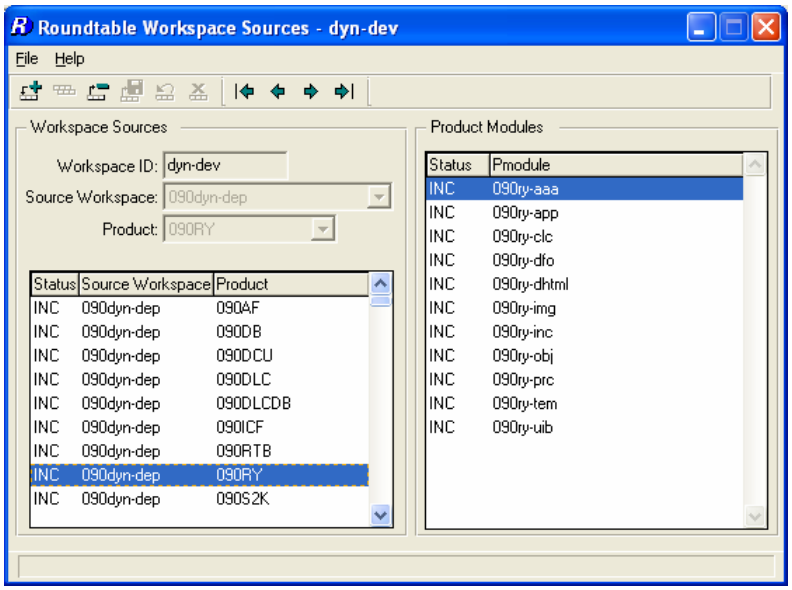
The following example will show how to update a workspace called *dyn-dev* from Dynamics 2.1A03 to Dynamics 2.1B.

3.2.4.1 Adding the workspace to the new icfconfig21B.xml file

3.2.4.2 Updating Workspace Sources

The new product modules that have been added to the Products in the repository are not automatically updated in the workspace sources for the workspaces. This has to be done manually.

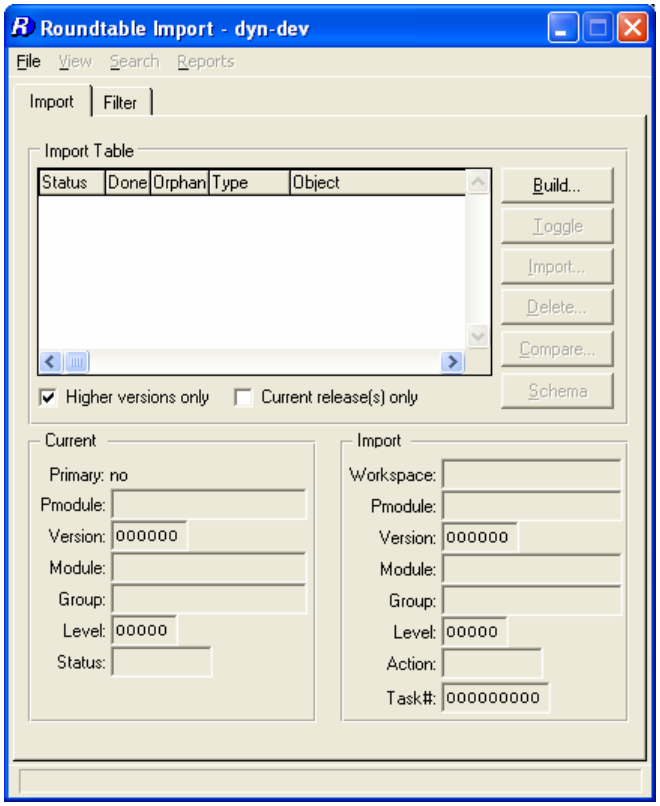
The following **INC**luded products have to be deleted and re-added to the workspace:

090DCU	
090RY	

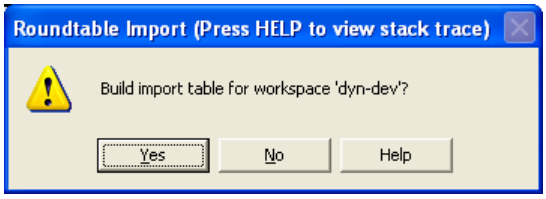
3.2.4.3 Importing

Before starting to import the Dynamics 2.1B release into your workspace, make sure that all tasks with customized objects from the Dynamics framework or Roundtable Dynamics integration are completed and that these objects are checked in.

1. Select Workspace ➔ Workspace Import

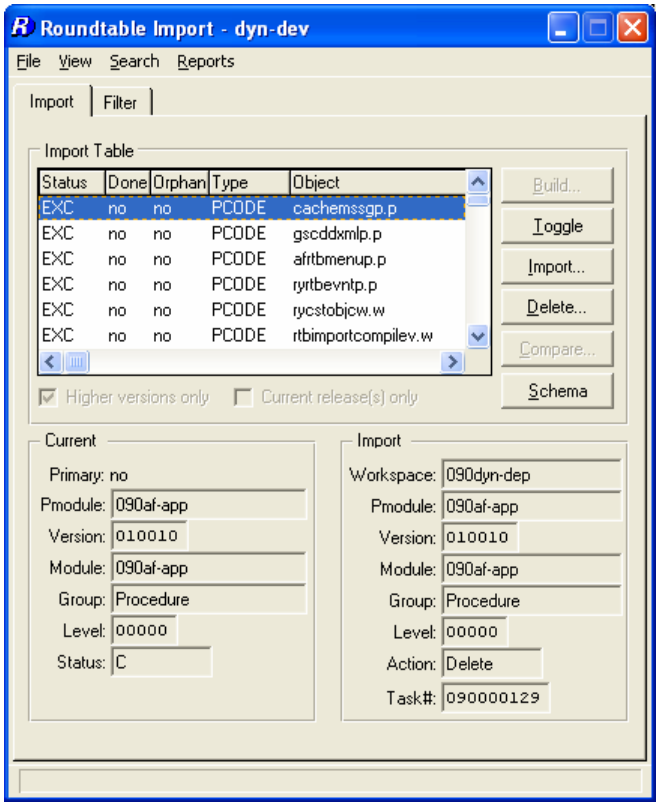


2. Select **Build** to build an import control table.

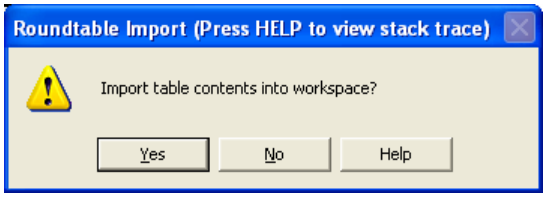


3. Review the contents of the import control table. Especially check the objects with a status of EXC. These will mostly be objects that are to be deleted as part of the import. They may also be objects that have been customized so that custom variant objects exist in the target workspace.

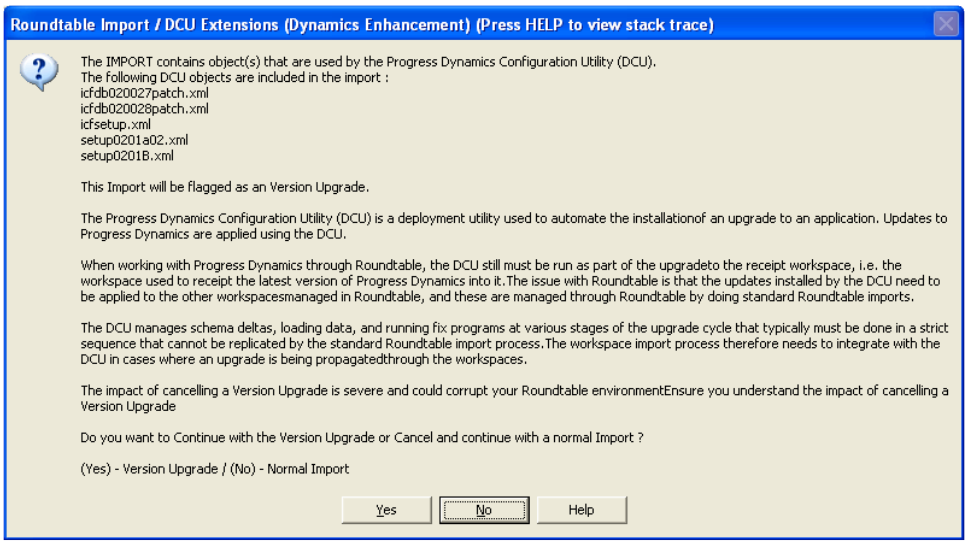
NOTE: Custom variant objects, such as *ryrtbevntp.p*, must be checked in if they are to overwritten by the import process. Changing the status from EXC to INC for an object that is WIP will result in the import process being interrupted when Roundtable attempts to import this object.



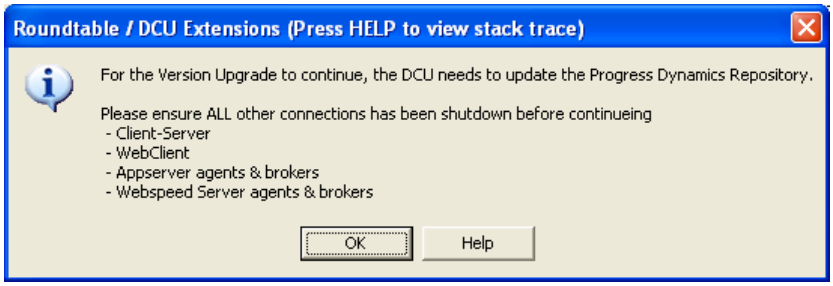
4. Once all of the objects to be imported have a status of INC. Press the **Import** button and select **yes** to perform the import.



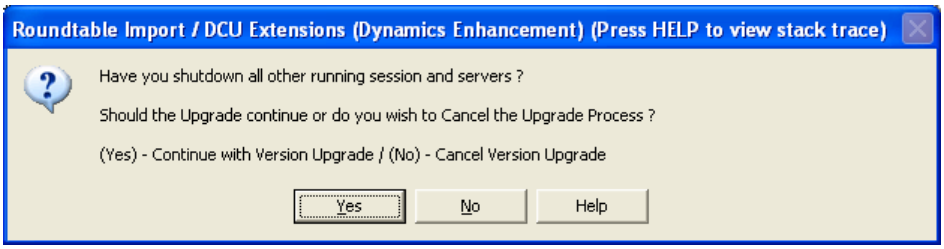
5. If the import process is to be extended with DCU processing to upgrade the workspace ICFDB repository to Dynamics 2.1B, then answer **yes** to the following prompt. *It is recommended that the DCU run is included in the import processing.*



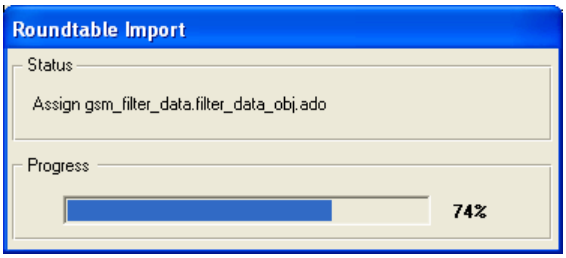
6. Select **OK**.



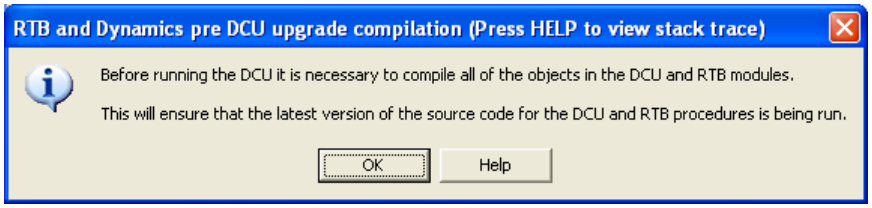
7. If all processes using the ICFDB repository have been shut down, so that they user doing the import has the only connection to the database, select **yes**.



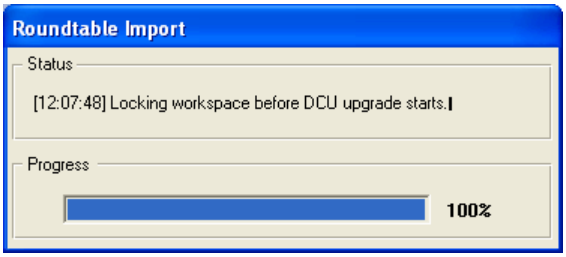
The import process is now started.



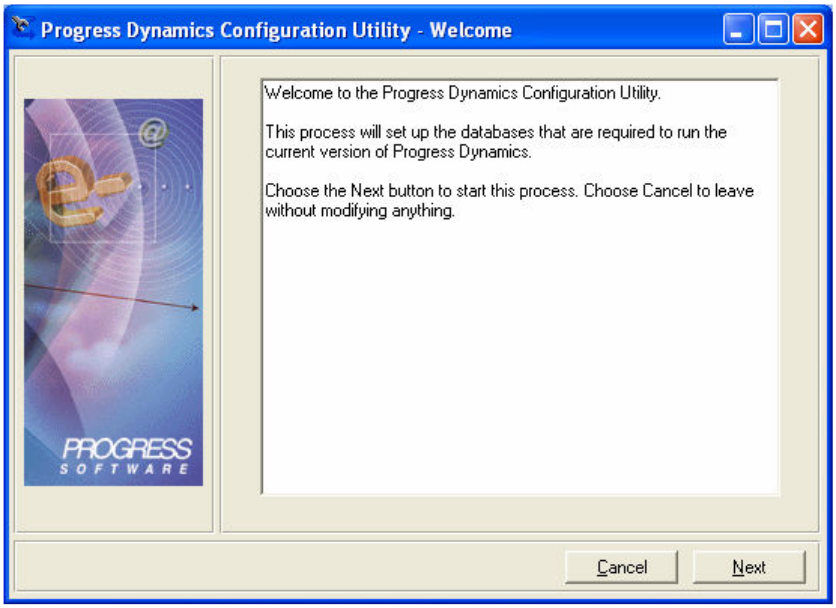
8. Once the import process is completed, the DCU and Roundtable objects have to be recompiled so that the DCU is started with up-to-date r-code. Select **OK**.



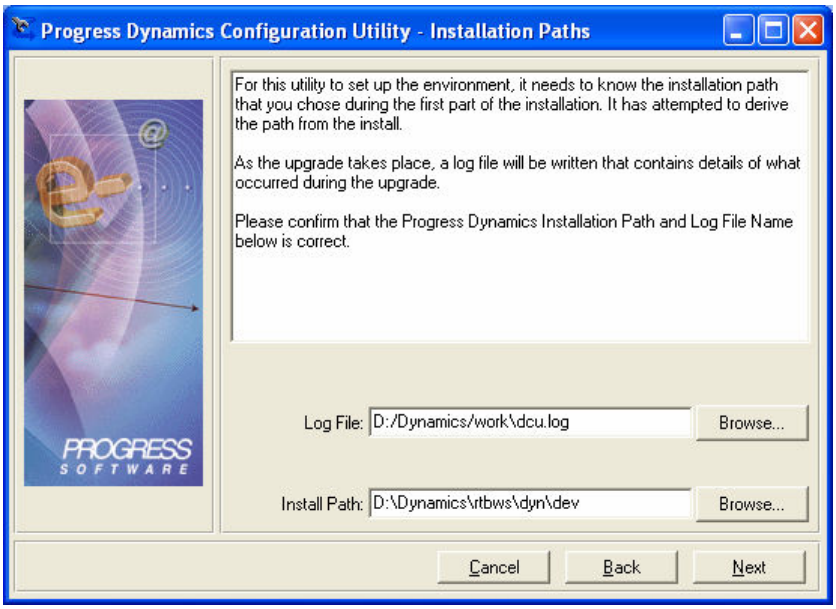
The following status screen can be seen during this processing.



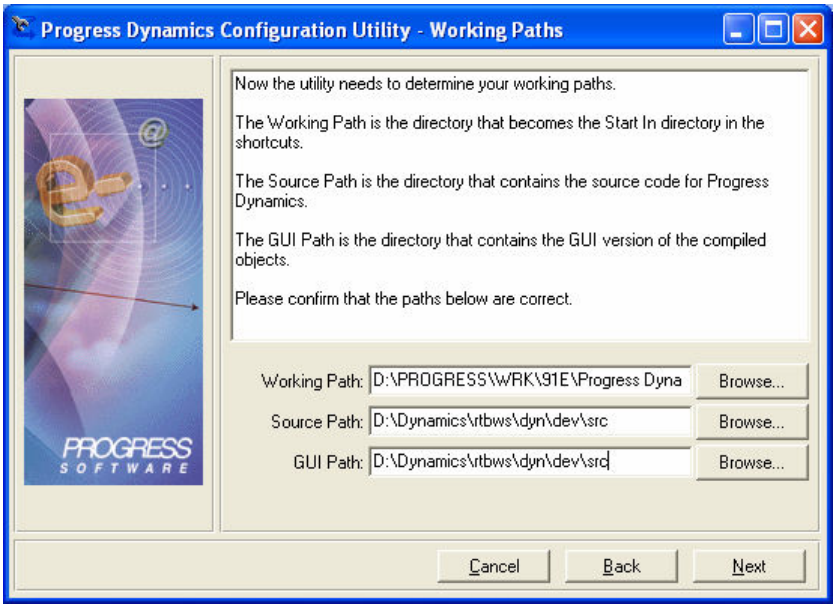
9. The DCU is now launched. Select **Next**.



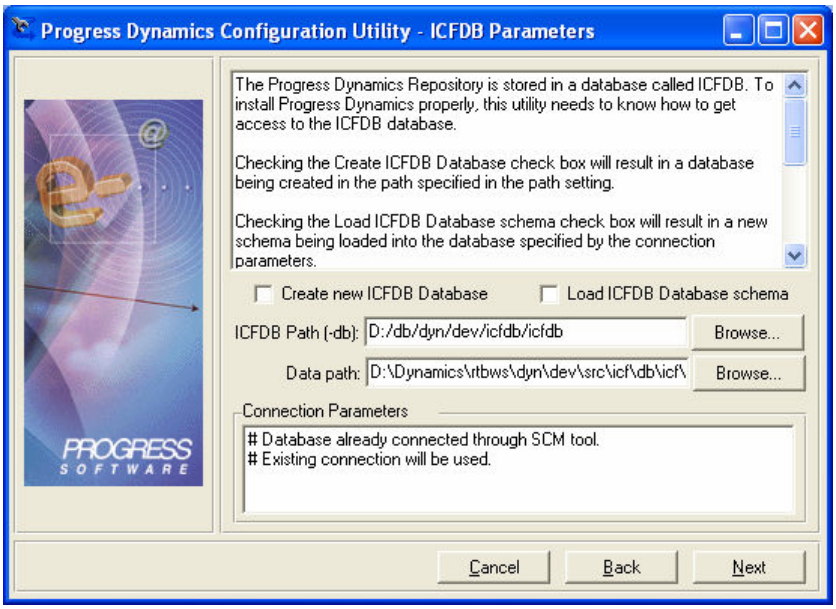
10. Change the **Install path** to be the **workspace root directory** (this is **not** done automatically) and select **Next**.



11. Change the **Source Path** and the **GUI Path** to the same. They must match the <workspace root directory>\src directory, as there is not <workspace root directory>\gui directory.

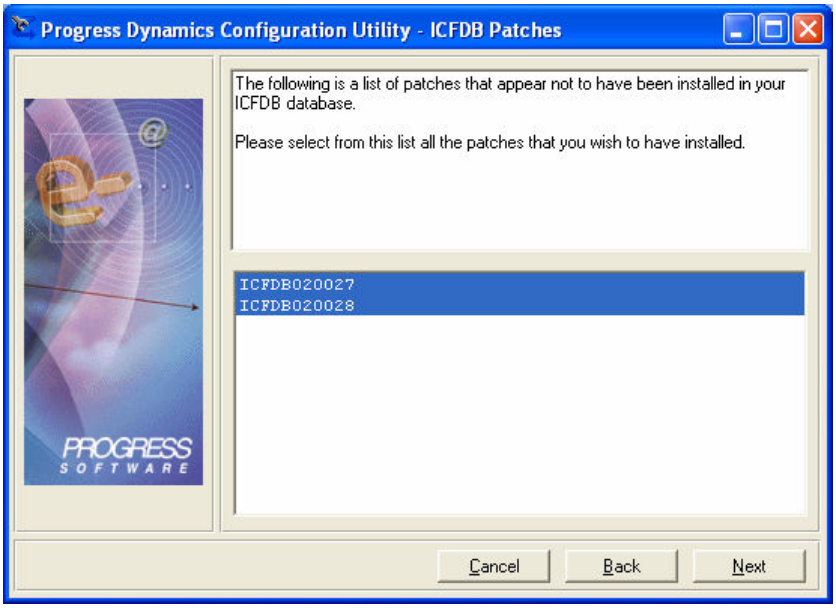


12. The database connection to the **ICFDB database for the currently selected workspace** is automatically picked up by the DCU. **Do not change this**.

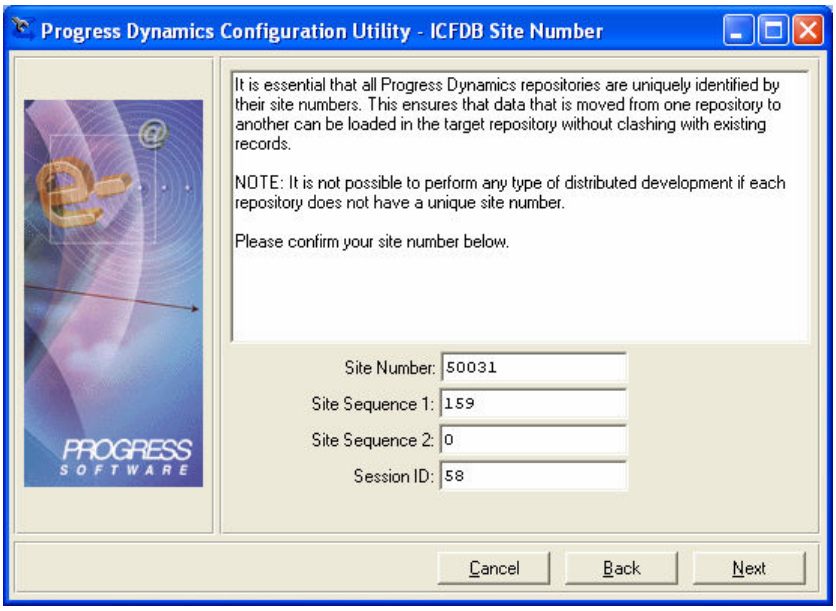


13. Verify that the updates to be applied are correct and select **next**.

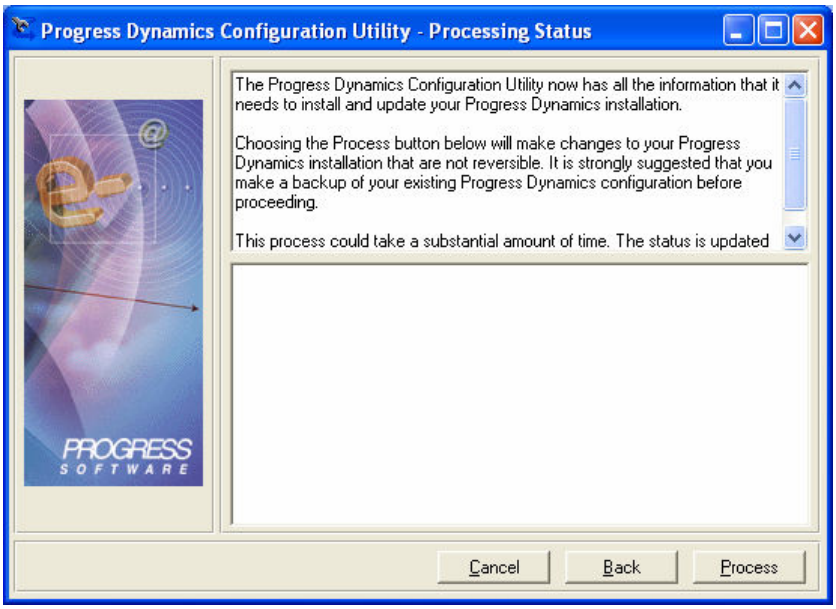
An upgrade from Dynamics 2.1A03 to Dynamics 2.1B includes updates 020027 and 020028 to the ICFDB database.



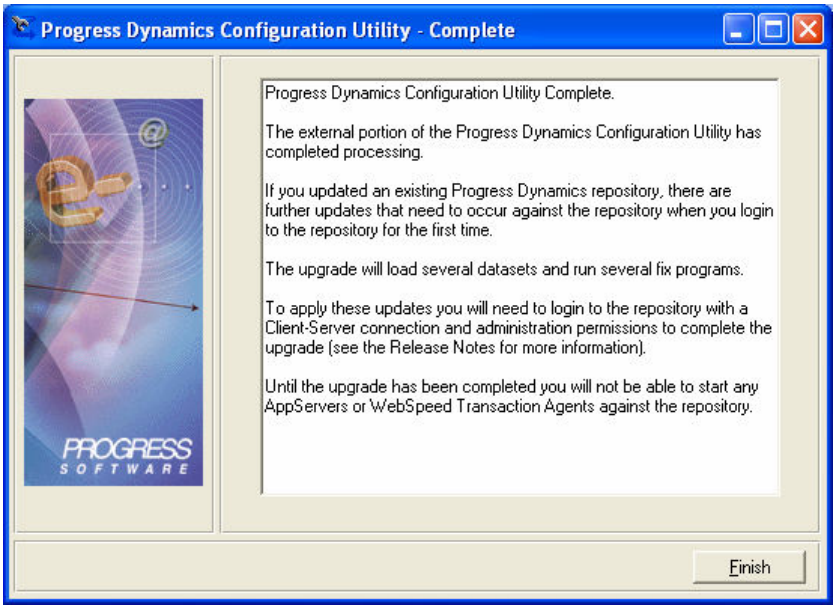
14. Verify the site and sequence number settings for the ICFB database and select **next**.



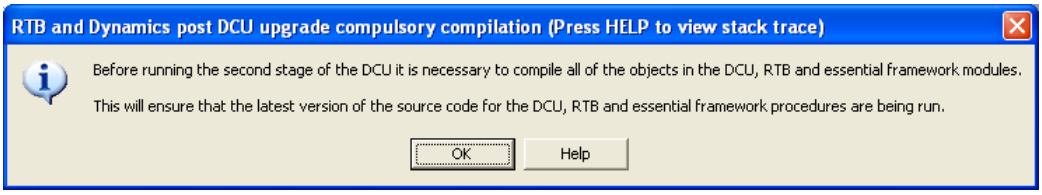
15. Select **process** to start the database update.



16. Select **Finish**.



17. Select **OK** to the information message about objects being compiled before the second stage of the DCU is started.

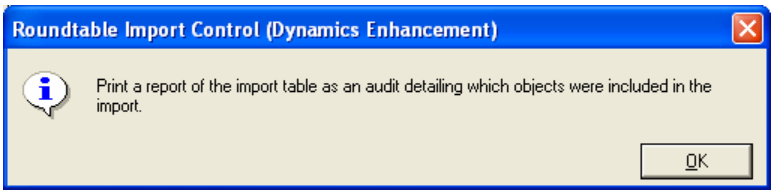


18. When the compiles are completed, login to the Dynamics framework as the admin user.

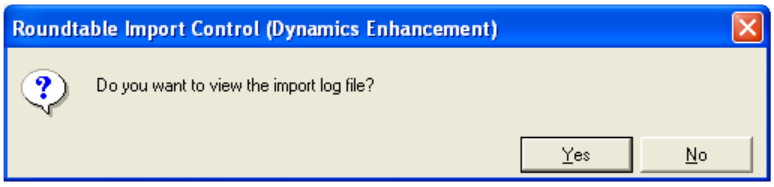
This will start the processing for the 2nd stage of the DCU, which includes loading new and changed .ado files.

If there are no errors during the ado load, the workspace has been updated to Dynamics 2.1B.

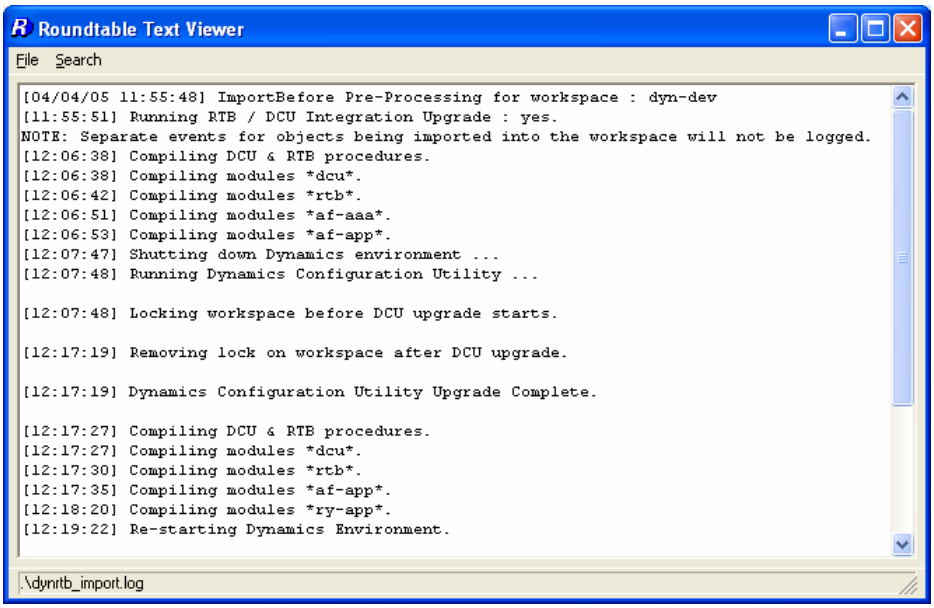
19. The import processing is now complete. Select **OK**.



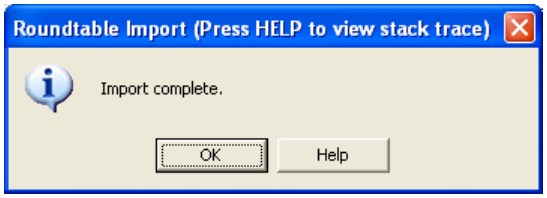
20. If you wish to see the contents of the extended import log file created during the import process, select **yes**.



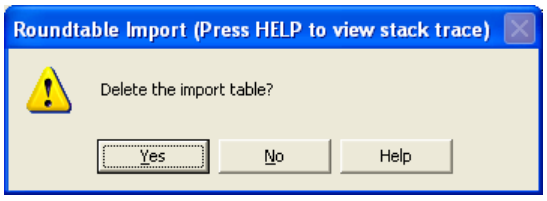
This launches the Roundtable text viewer with the log file open.



21. Press **OK**.

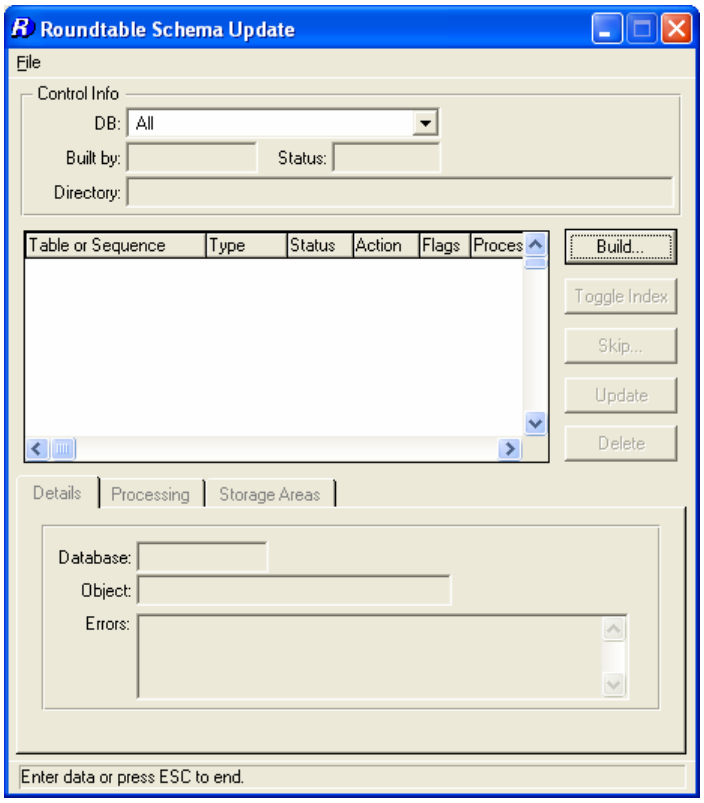


22. Delete the import table by pressing the **delete** button and answering **yes** to the next prompt.

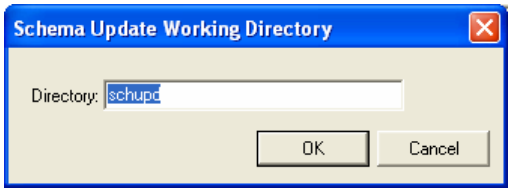


23. The status of the newly imported schema objects have to be updated using the Schema Update Process.

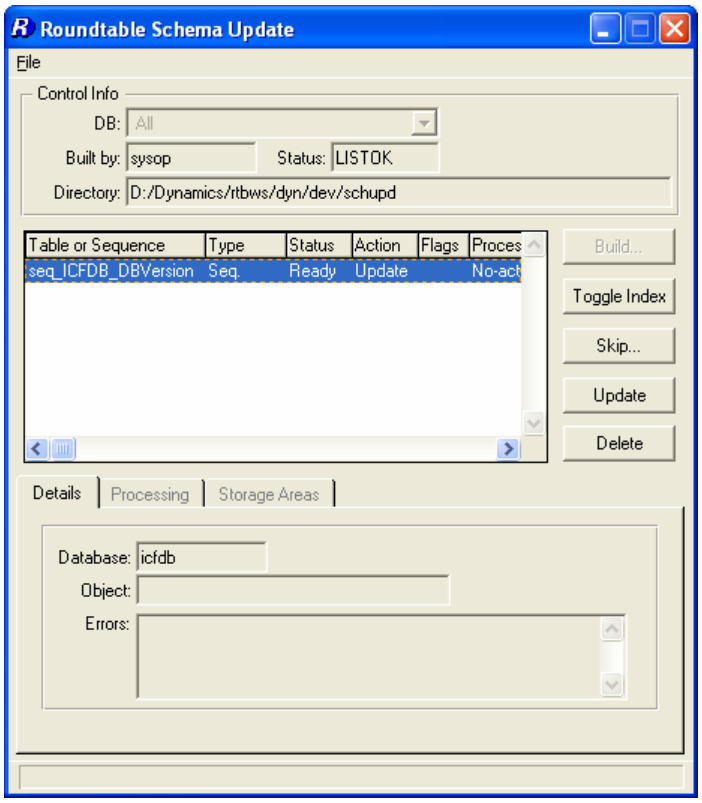
Select **Workspace ➔ Update Schema** and select the **Build** button.



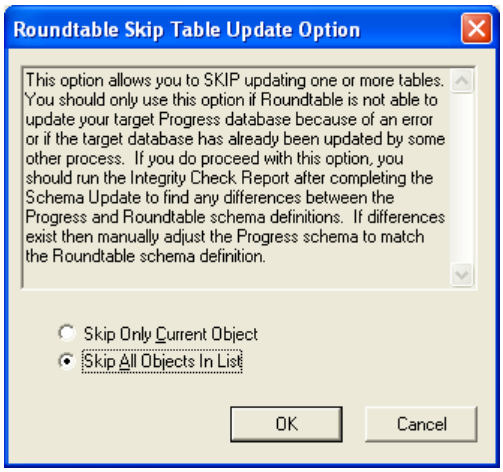
24. Leave the schema update directory with the default settings and press **OK**.



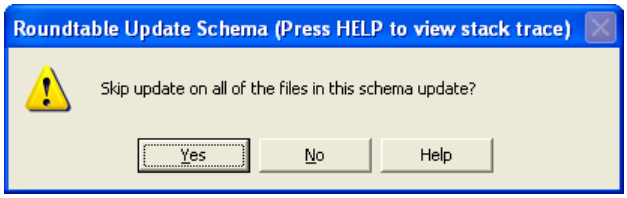
25. Leave the schema update directory with the default settings and press **OK**.



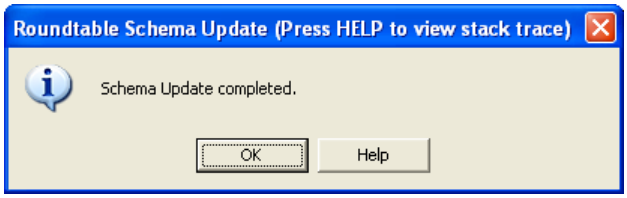
26. Press the **Skip** button.
27. Press the **Skip All Object in List** and press **OK.**



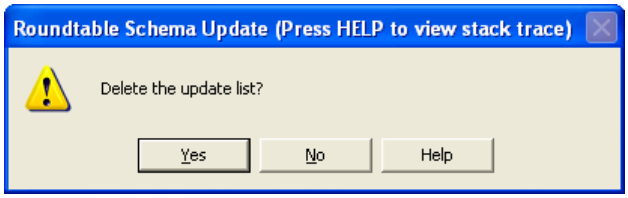
28. Select **yes**.

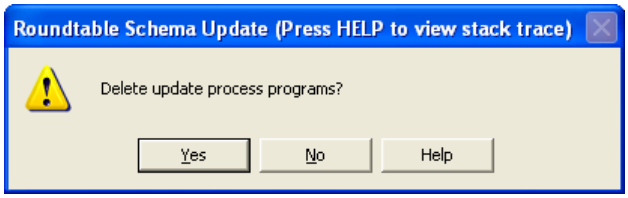


29. Select **update** and press **OK** when done to complete the processing.

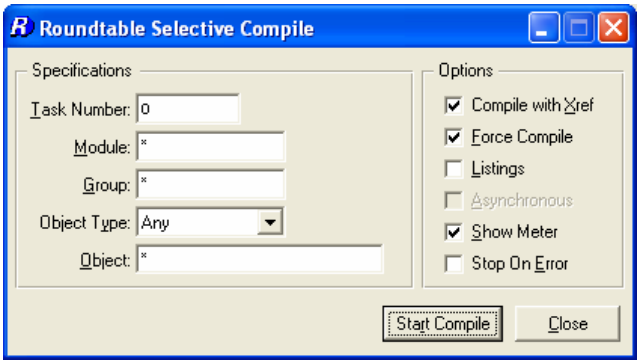


30. **Delete** the contents of the schema update table and process programs.





31. Perform a full forced selective compile on the workspace to make sure that all of the updated objects and affected objects are updated correctly.



The workspace has now been completely upgraded to Dynamics 2.1B.

4 Appendix A: New Roundtable definitions

A number of new product modules and Code Subtype definitions have been added to the repository for this release. They are described in more detail in the following sections.

4.1 New product modules

The table below shows the new product modules that have been added to the central Roundtable Dynamics repository (090).

Product Module	Workspace Module	Description	Directory
090dcu-aaa	090dcu-aaa	090 DCU Root Module	src/icf/install
090ry-aaa	090ry-aaa	090 RY Root Module	src/icf/ry
090scmrtb-adeuib	090scmrtb-adeuib	090 SCM Custom rtb/adeuib Module	Src/icf/scm/custom/rtb/adeuib

NOTE:

These product modules have not been added to the ICFDB for this release. As the objects that are contained in these modules are not registered in ICFDB, this should not pose any problems for this release.

The objects loaded into the 090dcu-aa and 090ry-aaa modules belong to object types that are not registered in ICFDB.

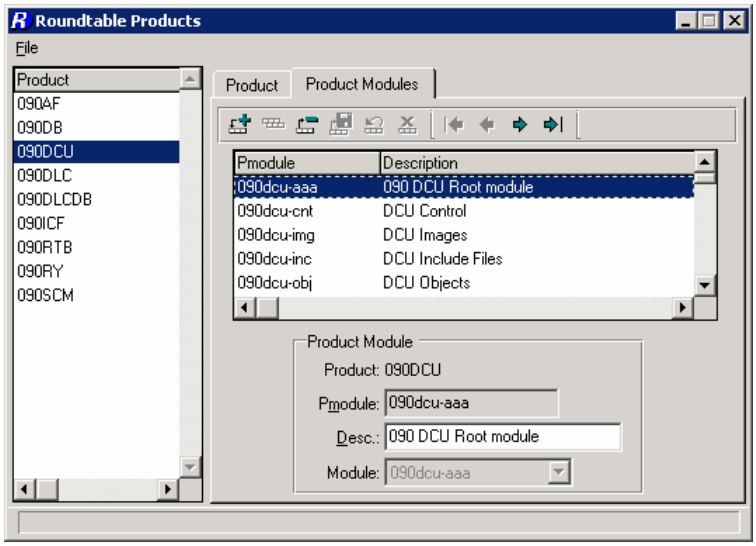


Figure 1 : New 090dcu-aaa product module

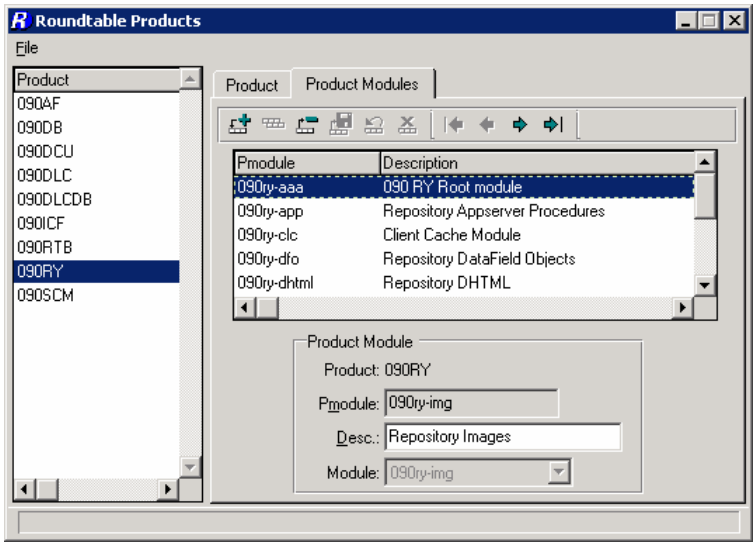


Figure 2 : New 090ry-aaa product module

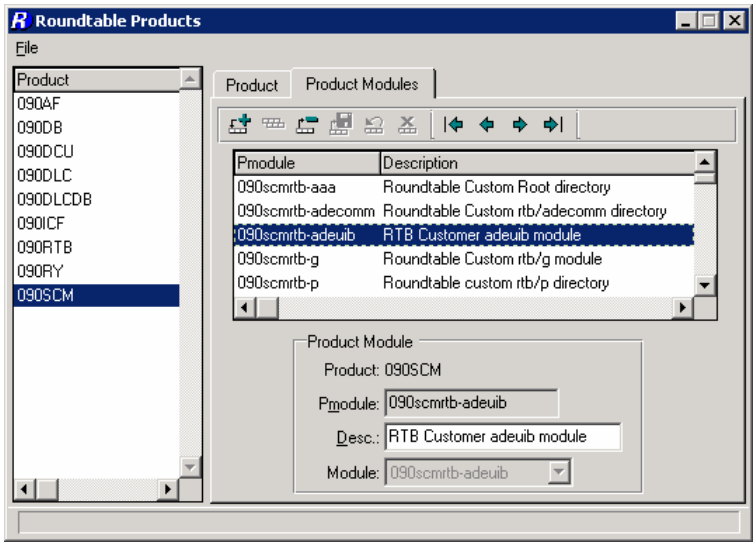


Figure 3 : New 090scmrtb-adeuib product module

4.2 New Code Subtypes

The following new Code Subtype has been added to the central repository:

DataSet – this has been added to provide better support Dynamics Deployment DataSets. The screen shots below show the attributes for this code subtype.

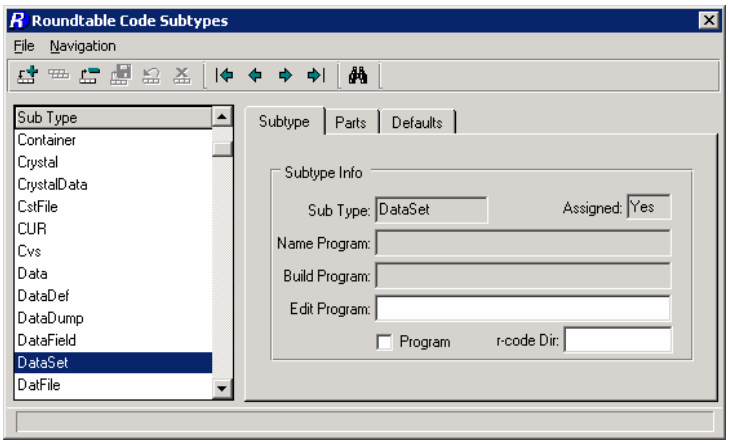


Figure 4 : New DataSet Code Subtype

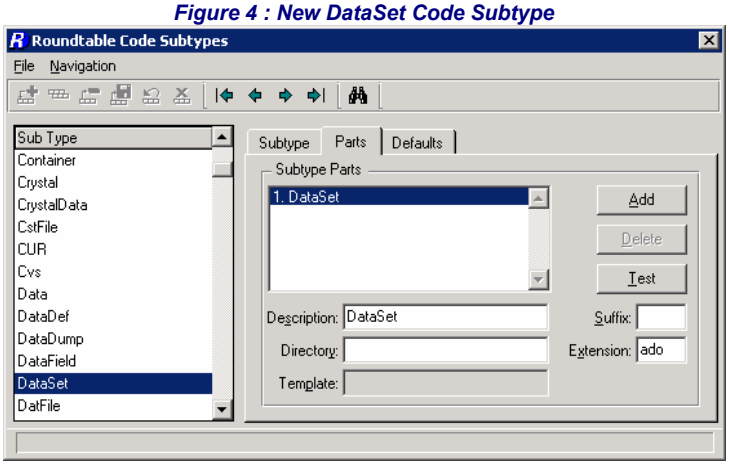


Figure 5 : New DataSet Code Subtype - parts definition

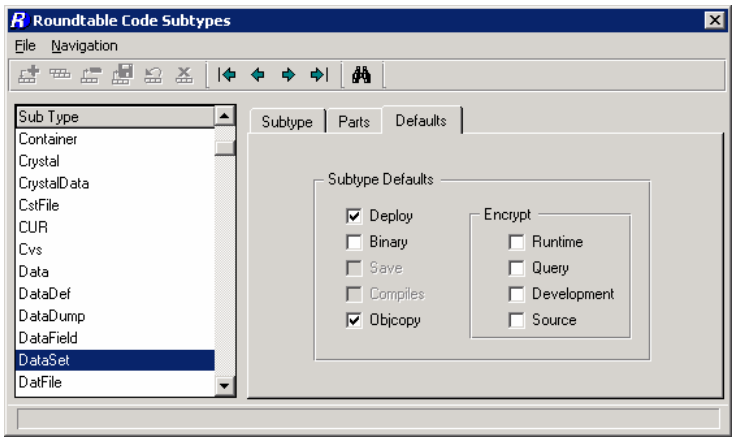


Figure 6 New DataSet Code Subtype – subtype defaults

Figure 7 : New DataSet Code Subtype - parts definition

All of the existing dataset objects (e.g. gscdd.ado) have had their code subtypes changed from "*LSmartObject*" to "*DataSet*". This should be visible in the Roundtable workspaces once they have been upgraded to Dynamics 2.1B.

5 Technical Support

5.1 Dynamics Support

Issues with core Dynamics functionality and upgrading Dynamics repositories or code, which do not have anything to do with the use of Roundtable and Dynamics should be directed to Progress Software Corporation's Technical Support.

http://www.progress.com/support

5.2 Roundtable Dynamics Support

The Roundtable Dynamics integration using Roundtable 9.1D05 or higher and Dynamics 2.1A03 or higher is now supported by Roundtable Technical Support.

The following kinds of issues can be directed to Roundtable Technical Support:

Issues related to the use of the core Roundtable product

Issues related to the use of the Roundtable Dynamics integration

Enhancement requests to Roundtable or the Roundtable Dynamics integration

Contact details for Roundtable Technical Support can be found at:

http://www.roundtable-tsms.com/support.