Infor LN DEM Models Conversion Guide

Release 10.7.x

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About this guide

This document is a conversion guide that describes how to convert DEM models from previous versions such as, Infor Baan IV, Infor Baan 5 or Infor LN to a later version of Infor LN.

Note:

After finishing the procedures described in this document the process is not finished. For example, after migrating the Infor Baan IV models several adjustments must be done for modeling sessions, subsessions and autthorization.

Infor strongly recommends that you work directly with Infor Consulting Services (ICS), which can provide more detailed instructions.

Intended audience

This guide is intended for system administrators.

Related documents

You can find the documents in the product documentation section of the Infor Support Portal, as described in "Contacting Infor".

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Chapter 1: Introduction

You can reuse the business processes and other DEM Content of a Baan IV, Baan 5 or previous LN version to your latest version of LN by converting the models.

When converting the models notice that:

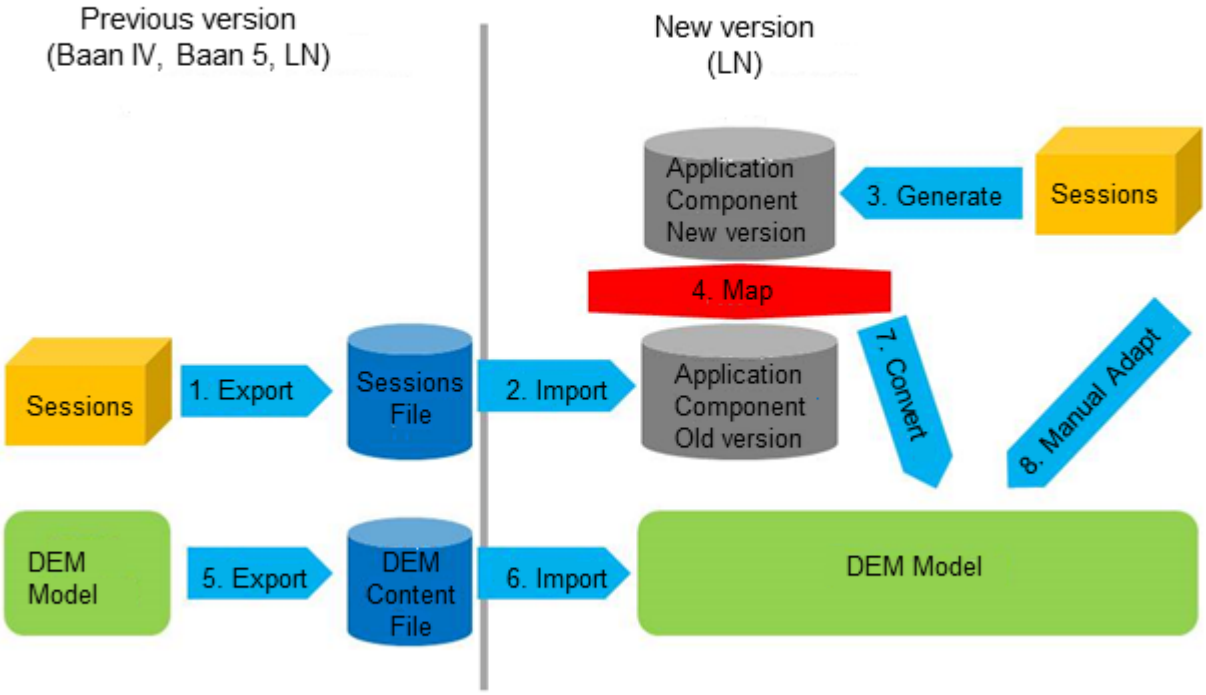
- The DEM content to be converted can refer to sessions that are not present in the version where you want to reuse them. They can differ by coding and functionality.
- You must create a relation between the DEM content of the Baan IV, Baan 5 or previous LN sessions to new LN sessions.

You can find the sessions required to perform the conversion on the Infor Menu Browser:

- LN: **Enterprise Modeler > Master Data > Application Components > Application Conversion**.
- LN: **Enterprise Modeler > Master Data > Application Components > Component Import/Export**.
- LN: **Enterprise Modeler > Model Item Management > Version Import/Export**.

Overall architecture

This diagram shows the overall architecture of a previous version to a new LN conversion:



The conversion procedure for a previous version to the new LN version consists of these general steps:

1. Export sessions from previous version as described in Session codes for the previous Infor environment on page 8.
2. Import these sessions as application components for the 'previous' version as described in Session codes for the previous Infor environment on page 8.
3. Generate Application component for the new version as described in Session codes for the previous Infor environment on page 8.
4. Map the previous applications components to LN application components, as described in Conversion of session codes on page 9.
5. Export model from previous version by means of version dump, as described in Migrating models on page 14.
6. Import version dump in the new LN version, as described in Migrating models on page 14.
7. Replace the previous version application components by the mapped new LN components, as described in Converting used applications in a model on page 15.
8. Manually adapt the DEM content to accommodate new functionality.

Chapter 2: Components

In this context, a component/component release is comparable to an Infor release, for example, LN, Baan IV, Baan 5 . You can use an Infor component/component release to make a difference between sessions of various Infor releases. Using the **Components (tgbrg5157m000)** session, you can create and maintain the various application components for the possible environments.

The Infor component release the users are currently working in can be set in the **DEM Parameters (tgbrg0135s000)** session as the **`Running ERP Component`**.

1. In the **Components (tgbrg5157m000)** session check if a component release for the new LN version is available. If not you must create one.
2. From the **appropriate** menu in the **Components (tgbrg5157m000)** session, select **DEM Parameters**.
3. Provide a password (**`DEM`** or **`BAAN`**).
4. In the **DEM Parameters (tgbrg0135s000)** session ensure the **Running ERP Component** is the new LN version.
5. Click **Save** and **Exit**.
6. Highlight the component release of the new LN version and from the **appropriate** menu select **Applications by Component**. The session Application by Component (tgbrg5155m000) is displayed.
   - If no applications are available for the selected component, select from the appropriate menu, **Import Applications from Running ERP**. The **Import Applications from Running ERP Component (tgbrg5255m000)** session is displayed. Do not select any options and click **Import**.
   - If applications are available for the selected component, select from the appropriate menu, **Import Applications from Running ERP**. The **Import Applications from Running ERP Component (tgbrg5255m000)** session is displayed. Select all options and click **Import**. Print the report to Excel and review the changes. If OK, clear the option **Test Run** and click **Import**.

Chapter 3: Session codes for the previous Infor environment

To be able to carry out a conversion between two Infor LN or Baan environments, the sessions of both environments must be accessible. The file of sessions for the new LN version was generated with the steps from Components on page 7

To create a file of session codes used by the previous version:

Export from Baan IV
Logon to the Baan IV environment. Start the **Export Session Codes to Baan 5.0 (tgbrg5255m000)** session. Generate, a dump file with the session codes and description from the current package combination in Baan IV.

Export from Baan 5 or LN
Logon to Baan 5 or previous version of LN. Start the **Export Component Model Data (tgbrg5256m000)** session. Highlight the appropriate component version and generate a file with the session code and description of the selected component.

Import in LN
Logon to LN. Start the **Import Component Model Data (tgbrg5256m000)** session. Import one of the above generated files into the new version of LN.

Note: In the Component (tgbrg5157m000) session, you must set the **Component Type** field of the imported component to the appropriate previous version. Otherwise, you cannot convert the application later in the procedure.

Chapter 4: Conversion of session codes

Automatically fill Conversion of Applications

Use caution when running this function. If you fill the Conversion of Applications table automatically, the existing records can be overwritten. For this reason, the DEM password is required.

1. Start the **Conversion of Applications (tgbrg5150m000)** session.
2. Click **New Group** on the toolbar and specify a source and destination Infor component.
3. From the **appropriate** menu start session **Fill Conversion of Applications (tgbrg5250m000)**.
4. Specify this information:
   - The source and the destination to specify between which components the conversion will take place.
   - **Overwrite Existing Records** specifies if the existing records are overwritten. If this check box is selected, the existing records with the same source session code as the imported session code will be overwritten, otherwise, the imported session code will not overwrite existing session codes
   - Initially, only the source-side of the table will be filled. The destination-side will also be filled if the **Write Values Also in Destination** check box is selected.
   - If both the **Write Source Applications also in Destination** check box and the **Convert Applications According to Coding Standards** check box are selected, these adjustments are made to the inserted records:
     - The source-side values will be translated to the destination-side values for the session code and authorization, according to the Infor LN or Baan standards.
     - If the source session is present in the destination Infor environment and the seventh character of the session code is equal to five, the authorization is Display. If the seventh character is not equal to five, no authorization is given. The session code will not change.
   - If the source session is not present in the destination Infor environment and the seventh character of the session code is equal to one, Infor checks to see if the same code with a five as the seventh character exists in the destination Infor environment. If so, the destination code is changed to the new session code and the authorization is set to Full Authorization. If not, the No Destination code is generated and the authorization is No Authorization.
   - If the source session has the format xxxxxx1xxmxxx, and the destination session has the format xxxxxx5xxmxxx, another record is inserted with the same source session and with the destination session of the xxxxxx1xxsxxx format if this code exists in Infor LN or Baan.
5. Click **Fill**. The Conversion of Session Codes (tgbrg550) table is now filled with initial values.

   If you look at the results you see three types of replacements:
   - Multiple replacement (1:N), first and second row:

For each source session code, multiple destination session codes exist. At conversion, the source session code is replaced with the destination session code with the lowest sequence number.

- Single replacement (1:1), third row:

  For each source session code, exactly one destination session code exists. At conversion, the source session code is replaced with the destination session code.

- No replacement (1:0), fifth row:

  No destination session codes are defined for the source session code. This record will not be executed at conversion.

Another type of replacement exists:

- Complete replacement (1:1), sixth column:

  You can apply the Complete Replacement type in case of **Multiple Replacement** or **Single Replacement**. Complete replacement indicates that the functionality of the destination session includes the functionality of the source session.

Note: In addition, some specific mapping functionality is used. The system maps:

- tcedi sessions to ecedi sessions
- tcqms sessions to qmptc sessions
- tiitm sessions to tiipd sessions
- tpprc sessions to tfgld sessions
- tuxch sessions to daxch sessions

Updating values in records

After the table is filled automatically, the whole table must be evaluated, because the automatically generated values can be incorrect.

To update the values:

1. Select the record to be evaluated.
2. Change the values.
   - Check each field to see if the field contains the appropriate values.
   - Guidelines for filling the destination side, given the assumption that the required Infor LN or Baan session exists, are:
     - The Baan IV Multi-Occurrence Maintain Session becomes the LN or Baan Multi Occurrence session with Full Authorization. For example, tgbrg5100m000 becomes tgbrg5500m000 with Authorization = Full.
     - The Baan IV Single-Occurrence Maintain session becomes a LN Single-Occurrence session with Full Authorization. For example, tgbrg5105s000 becomes tgbrg5105s000 with Authorization = Full.
     - The Baan IV Multi-Occurrence Display session becomes an LN Multi-Occurrence session with Display Authorization. For example, tgbrg5500m000 becomes tgbrg5500m000 with Authorization = Display.

- The Baan IV Single Occurrence Display session becomes an LN or Baan Single Occurrence session with Display Authorization. For example, tgbrg5502s000 becomes tgbrg5502s000 with Authorization = Display.
- If the destination session includes the functionality of the source session, the **Complete Replacement** check box must be selected.
- If the **Complete Replacement** check box is not applicable, a text is useful to inform the user how to handle the record during conversion. If **Complete Replacement** is applicable, a text can still be useful to define the extra functionality in LN. This text must be written, according to this format:
  - Deleted fields on source session:
    [field] | [comment]
  - Changed fields from source to destination session:
    [field 1] > [field 2] | | [comment]
  - Added fields on destination session:
    [field] | [comment]
  - Deleted options on source session:
    [option] | [comment]
  - Changed options from source to destination session:
    [option 1] > [option 2]| [comment]
  - Added options destination session:
    [option] | [comment]
  - Additional Comment:
    [comment]
  - Deleted fields on source session:
    [field] | [comment]
  - Changed fields from source to destination session:
    [field 1] > [field 2] | | [comment]
  - Added fields on destination session:
    [field] | [comment]
  - Deleted options on source session:
    [option] | [comment]
  - Changed options from source to destination session:
    [option 1] > [option 2]| [comment]
  - Added options destination session:
    [option] | [comment]
  - Additional Comment:
    [comment]

To approve the record, the **Approved Conversion** check box must be selected. The **Approving User** and **Date of Approval** fields are filled automatically.

3 Click **Save** and **Close**.

Adding conversion options

To add another conversion option (multiple replacements):

1 Start **Conversion of Applications (tgbrg5150m000)** session.
2 Click **Copy** to copy an existing record, and modify this record.
   - A new sequence number is generated automatically.
   - The **Destination Session** and **Authorization** fields must be filled with the correct values. The same applies to the remaining fields.

Copying conversions to other components

This option is useful if the conversion from source component Xa to destination environment Ya corresponds (partly) to the conversion from source component Xb to destination component Ya.

Click **Duplicate** on the **Group** menu, the user can copy conversions from one group to another.

Printing differences between two Infor components

With the **Print Conversion of Activity Codes (tgbrg5450m000)** session, you can examine the differences between two Infor components: the source (Baan IV, Baan 5 or previous version of LN) and the destination (LN). This analysis is a valid and useful approach if you work to this situation by creating your own mapping table.

The user can select various options:

- Print Conversion of Session Codes:

  In this report, the contents of the Conversion of Session Codes (tgbrg550) table are printed. If the **Print Details** check box is selected, all fields of the record are printed. If the **Print Details** check box is cleared, only the most important fields are printed. If the **Print Text** check box is selected, and a text is present, this text is printed on the report.
- Print New Component Activities:

  Print the sessions that are in the destination component and not in the source component. This option can help to decide on possible changes to the model to cater for new functionality that has come available and might be of relevance.
- Print Expired Component Activities:

Print sessions that only exist in the source component and not in the destination component. This option helps to check for functionality for which no matching option is available. Based on the result an evaluation can be made on the importance for your organization.

Chapter 5: Migrating models

The next step is to export the relevant models from Baan IV, Baan 5 or the previous version of LN and import the file into the relevant company.

Log on to the Baan IV, Baan 5 or the previous version of LN. Start the **Export Version Dump (tgbrg1235m000)** session to export the model to be migrated

The created file must be available on the server on which the target LN Company is present. Logon to the target LN environment and start the **Import Version Dump (tgbrg1245m000)** session.

During the data import, a check is run whether the imported version already exists on the target server or company. If the version does not exist, you will be asked if the version must be created.

During the DEM data import, you are prompted to specify the Baan IV, Baan 5 or the previous version of LN component to which the session must be linked. This component with applications was imported through the steps in Session codes for the previous Infor environment on page 8. If an imported version is protected with a license, you must enter the license registration.

Chapter 6: Converting used applications in a model

With the conversion data you created earlier, you can convert the previous version sessions into LN sessions in the DEM models.

To perform the conversion:

1. Start the **Convert Used Applications (tgbrg5251m000)** session.
2. Select the range to specify which business processes and support applications must be converted.
3. Select the **Execute Test Run** check box to test the conversion.

   The actual conversion will not take place; however, all the relevant data will be printed. After you evaluate the report on the test run, and make any modifications, if required, you can use the session to perform the actual conversion.
4. Specify the source component and the destination component, followed by the range of source applications and the destination applications to restrict the range of the conversion.
5. If the **Convert only Approved Applications Conversion** check box is selected, the restriction on the selection range is increased. Only the records that are approved will be converted.
6. If the **Convert Complete Replacement Only** check box is selected, the restriction on the selection range is also increased. Only the records that are complete replacements will then be converted.
7. On the **Selection Range** tab of the **Convert Used Applications (tgbrg5251m000)** session, you can specify whether to keep the original activity descriptions. A report is always printed if you perform a test run. If you perform the conversion, you can disable the printing of the report.

Analysis of application components not used

Before using the converted model, check how sessions for which no equivalent value is defined in the Mapping (tgbrg550) table, impact the model. To perform this analysis, for best results, create a list of previous version sessions that are still present in a converted and updated model. Because the conversion has replaced all mapped previous version sessions with the new LN sessions in the model, sessions for which no equivalent exists reference an older version application component.

To perform the check, you can use the **Print Where-Used Applications (tgbrg5461m000)** session. Ensure you have selected the correct modeling version and select the older version component / component release, select the **Print Applications Where Used** check box.

The report shows all older version sessions and the processes and support applications in which the sessions are used. Carefully evaluate the relevance. You can remove these types of older version

sessions from the migrated process flows and subapplications. Noticing the use of a particular older version session in a specific process flow or support application an alternative could be decided upon for a mapping to a new LN application.

If you decide for this last option, you must run the **Convert Used Applications (tgbrg5251m000)** session again for the newly mapped session(s). In this way, you can convert the older version sessions into LN sessions in the DEM models. If you have more than one model, you must decide whether the LN session is actually an equivalent for the older version session for all models. Remember: the mapping table is used as the basis for the conversion of session in all models.

How to continue

After you successfully converted and updated the repository model, you must check the reference and project models. You can make changes to repository, reference, or project models. Verification is advisable as would be required for any change to an existing model.

Chapter 7: Export/import component model data

If multiple companies or computer systems are in use and you can reuse the conversion data defined in the Conversion of Applications (tgbrg5150m000) session. Export the data related to the session code conversion and import these in other companies or servers.

Complete these steps:

1. To perform the export, start the **Export Component Model Data (tgbrg5257m000)** session. Check if you use the correct company number.

   To export the specified application conversion data:

   - Specify a file name for storing the data.
   - Select the appropriate component and component release of the new LN version.
   - Select the **Applications** check box and specify the range of applications that must be exported.
   - Select the **Subapplications** check box.
   - Select the **Application Conversion Data** check box. Ensure that the appropriate selection range of components, component releases, and applications are selected for export.
   - Click **Export**.
2. Import the session conversion data into the other company or server. Use the **Import Component Model Data (tgbrg5256m000)** session.
3. Specify this information:
   - Select the correct export file.
   - Select the appropriate component and component release of the new LN version.
   - Select the **Applications** check box and specify the range of applications that must be imported.
   - Select the **Subapplications** check box.
   - Select the **Application Conversion Data** check box. On the **Application Conversion Data** tab specify the selection of conversion data you want to import.
4. Click **Import**.