Infor LN Baan IV DEM models Conversion Guide

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Publication Information

Release: Infor LN Release level

Publication Date: July 6, 2015

Document Code: U8337H US

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About this guide

This document is a Conversion Guide that describes how to convert DEM models from Infor Baan IV to Infor LN. This document also provides instructions on how to fill the conversion tables and how to convert Baan IV sessions to LN sessions.

Intended audience

This guide is intended for System Administrators.

Related documents

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

Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal.

If we update this document after the product release, we will post the new version on this website. We recommend that you check this website periodically for updated documentation.

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Introduction

1

To reuse the business processes, utilities, and wizards of Baan IV in LN, you must migrate the models. The business processes, utilities, and wizards can, however, refer to sessions that are not present in LN. They can also differ by coding and functionality. Therefore, the Baan IV sessions must be converted to LN. To support the conversion of Baan IV sessions to LN, a relation between Baan IV sessions and LN sessions must be made.

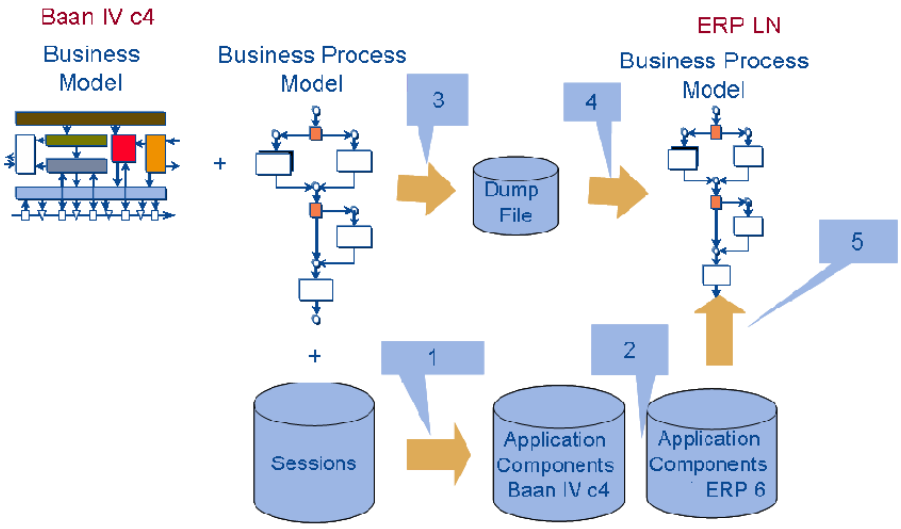
If you use the predefined mapping table, which is available from Infor, you can skip the first chapters and start with an evaluation of the differences, as indicated in "Printing differences between two Infor components" on page 17.

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 the Baan IV to LN conversion:



The conversion procedure for Baan IV to LN consists of these general steps:

1. Export Baan IV sessions and import these sessions as application components, as described in "Session codes by Infor environment" on page 11.
2. Map Baan IV applications components to LN application components, as described in "Conversion of session codes" on page 13.
3. Export model from Baan IV by means of version dump, as described in "Migrating models" on page 19.
4. Import version dump in LN, as described in "Migrating models" on page 19.
5. Replace the Baan IV application components by the mapped LN components, as described in "Converting used applications in a model" on page 21.

Note: If you use a predefined table as available for standard Baan IV and LN, you can skip Steps 1 and 2. In case of customized sessions, you must perform an evaluation to determine whether Steps 1 and 2 are useful.

Components

2

In this context, a component/component release is comparable to an Infor release, for example, LN, BIVa, BIVb, and BIVc. 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 maintain the various possible environments.

The current Infor environment, indicates in which Infor component release the users are currently working. To set an Infor component to the current component, you can use the DEM Parameters (tgbrg0135s000) session.

Session codes by Infor environment

3

To be able to carry out a conversion between two Infor LN or Baan environments, the sessions of both environments must be accessible. To obtain the sessions of the current ERP environment, use the Sessions (ttadv200) table. Import and store sessions from other Infor environments in the Applications by Component (tgbrg555) table. The stored information is, among others, the session code, the session's description, and the session's Infor environment.

Using the Export Session Codes to Baan 5.0 (tgbrg5255m000) session in Baan IV, a dump file is generated with the session codes and description from the current package combination in Baan IV. To import this dump file into LN, you can use the Import Component Model Data (tgbrg5256m000) session. After the import, the new environment is inserted in the Components (tgbrg557) table, and the Applications by Component (tgbrg555) table is filled with Baan IV's session codes.

Note: You must set the **Component Type** field to Baan IV, as part of the Component (tgbrg5157m000) session. Otherwise, the conversion of application is impossible later in the procedure. Ensure to set this field correctly.

With the Applications by Component (tgbrg5155m000) session, you can maintain the session codes that are not in the current Infor environment. To maintain the session codes that are in the current Infor environment, you can use the Sessions (ttadv2500m000) session.

Conversion of session codes

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Automatically fill Conversion of Applications (tgbrg550) table

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 **Specific** 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.
- Ensure that all relevant sessions exist. Run the Import Applications from Running ERP Component (tgbrg5255m000) session to indicate that the session codes for the destination-side must be retrieved from the Sessions (ttadv200) table to the Applications by Component (tgbrg555) table.
- **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) and the destination (LN). This analysis is a valid and useful approach if you either work up to this situation by creating your own mapping table or make use of the mapping table as made available by Infor. In some cases, you can use the predefined mapping table; however, you must add a number of application components, for example, to deal with customizations in Baan IV.

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.

Migrating models

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The next step is to export the relevant models in Baan IV, and move the file to the Infor LN or Baan system and import the file into the relevant company.

Start the Export Version Dump (tgbrg1235m000) session to export the model on the Baan IV side.

The file created must become available on the system on which the target LN Company is present. Start the Import Version Dump (tgbrg1245m000) session.

When the data is being imported, LN checks whether the version that is to be imported already exists in the target system or company. If the version does not exist, LN asks if the version must be created.

While you import Baan IV DEM data, you are prompted to specify the Baan IV component to which the LN session must be linked. This component with applications must be available by means of the previous steps in this procedure. If an imported version is protected with a license, you must enter the license registration.

Converting used applications in a model 6

Using the Conversion of Applications (tgbrg550) table, you can convert the Baan IV sessions into Infor LN or Baan 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 you start to use the migrated model, you must check how sessions for which no equivalent value are defined in the Mapping (tgbrg550) table, impact the model. To perform this analysis, for best results, create a list of Baan IV sessions that are still present in a migrated and converted model. Because the previous action will have replaced all mapped Baan IV sessions with LN sessions in the model, only sessions for which no equivalent exists will still reference a Baan IV application component. To perform the check, you can use the Print Where-Used Applications (tgbrg5461m000) session. Ensure you have selected the correct modeling version, in this example, EBM39, and select the Baan IV component / component release, select the **Print Applications Where Used** check box.

The report shows all Baan IV sessions and the processes and support applications in which the sessions are used. Carefully evaluate the relevance. A possible action could be to remove these types of Baan IV sessions from the migrated process flows and subapplications. Noticing the use of a particular Baan IV session in a specific process flow or support application an alternative could be decided upon for a mapping to an 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 Baan IV 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 Baan IV 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 migrate and update the repository model, you must check the reference and project models, as well. Of course, you can make changes to repository, reference, or project models. Verification is advisable as would be required for any change to an existing model.

Export/import component model data

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To export the data related to the session code conversion, for example, if multiple companies or computer systems are in use.

To perform the export, you must use the Export Component Model Data (tgbrg5257m000) session. In this case, the data will be stored in the file defined. Ensure to select the **Application Conversion Data** check box. Only if this check box is selected, is the application conversion data that is defined in the Conversion of Applications session and that falls within the selection range of components, component releases, and applications on the **Application Conversion Data** tab exported.

On the **Application Conversion Data** tab of the Export Component Model Data session, you can detail the selection:

To import session conversion data into the tables of another company or system, you can use the Import Component Model Data (tgbrg5256m000), session, as shown in the following figure. Be sure to select the **Application Conversion Data** check box, which imports from the conversion dump the range of application conversion data specified on the **Application Conversion Data** tab, as defined in the Conversion of Applications (tgbrg5150m000) session.

The user specifies the selection range to be imported.