



Infor LN Specific Installation Guide - Updates

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About this guide

This document describes the update procedure of an existing LN environment with a newer version of:

- Enterprise Server, known as tools.
- LN, known as applications.

This document also applies to Infor Baan 5.2 environments already running on Porting Set 8 or later.

Intended audience

This document is intended for LN database administrators, application and system administrators.

To understand this document, it is advised to have knowledge of how LN is structured with:

- Package VRCs.
- Package combinations.
- Derived-from structure.

Related documents

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

- *Infor LN - Installation Guide (U9498).*
- *Infor LN - ODM - User Guide for ODM Set-up Data Procedure (U8436).*
- *Infor LN - DEM Content Pack User Guide (U9774).*
- *Infor LN - Standard Master and Demo Data User Guide (U9803).*
- *Infor Enterprise Server - Administration Guide (U8854).*

Contacting Infor

If you have questions about Infor products, go to Infor Concierge at <https://concierge.infor.com/> and create a support incident.

About this guide

If we update this document after the product release, we will post the new version on the Infor Support Portal. To access documentation, select **Search > Browse Documentation**. We recommend that you check this portal periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.

This chapter describes the Installable Units (IUs) used for the update to Infor LN and Infor Enterprise Server.

For information about a new LN installation process, see *Infor LN - Installation Guide (U9498)*.

For this update, these IUs are important:

Mandatory

- Infor Staging Wizard.
- Infor Installation Wizard.
- Infor ES Porting Set.
- Infor Support Assistant.
- Infor ES PMC Solutions.
- Infor LN PMC Solutions.
- Infor ES AddOn PMC Solutions.

Optional

- Infor Solution License Manager.
- Infor Application Service Manager.
- Infor LN Standard Master and Demo Data.
 - Infor LN Standard Master Data (company 050).
 - Infor LN Demo Data (company 090/091).
- Infor LN DEM Content Pack.

Do not stage these IUs

- Infor LN
- Infor Enterprise Server

These IUs are the initial base software and are already installed during the very first installation of LN. If you want to install them again, the Installation Wizard will run a check and warn you that this is not possible.

Description Installable Units

Infor Staging Wizard

This wizard is used to build a staging area. A staging area is a storage place for various Installable Units before the actual installation can start.

Warning: For each major update, always create a new staging area. This update is an example of a major update.

Infor Installation Wizard

This wizard must be used to perform the installation or update of the LN environment based on the Installable Units available in the staging area.

Infor ES Porting Set

The Enterprise Server virtual machine also known as binaries. This is the OS dependent basis on which the LN application runs.

Infor ES PMC Solutions

The set of PMC solutions needed to update to the last version of Enterprise Server. Updating can be done for all previous versions of Enterprise Server, using only this Installable Unit. Next to the latest Enterprise Server version, this Installable Unit contains all preceding versions.

Infor ES AddOn PMC Solutions

Enterprise Server AddOn PMC Solutions are needed to update to the latest version of Enterprise Server AddOn. Updating can be done for all previous versions of Enterprise Server, using only this Installable Unit. Next to the latest version of Enterprise Server AddOn, this Installable Unit contains all preceding versions.

It is recommended to install this Installable Unit to keep Enterprise Server and Enterprise Server AddOn at the same version level.

This Installable Unit contains the package da, nt, ta and tm.

Infor Solution License Manager

The Solution License Manager installs or updates the SLM client and SLM server on the system specified for installation.

Infor Application Service Manager

Infor Application Service Manager is mainly used with Infor Technology Architecture to manage the number of Adapters for ERP (Infor LN) servers related to the load. It can also be used to manage LN jobs.

Installation of this Installable Unit is optional.

Infor Support Assistant

The Infor Support Assistant (ISA) will help your company keep up to date with information about your Infor environment.

Note: You must install the Infor Support Assistant together with an Infor ES Porting Set.

Infor LN PMC Solutions

LN PMC Solutions are needed to update LN (applications) to a new Feature Pack. This solution contains the LN application software and the Business Object Document package containing the BODs for integration with other applications .

If you update LN to the new Feature Pack, the appropriate version of this Installable Unit must be installed. Update is possible in one installer run.

Infor LN Demo data

It is not mandatory to re-install this data.

- Infor LN Demo Data

This build provides a demo company 090 and 91 with master data to test, train or demonstrate the functionality of LN.

Note: Only reinstall these demo companies when LN is updated. This demo data is part of the specific version of LN; therefore, when LN is not updated, do not reinstall this demo data.

Note: If you plan to install the demo companies, it is recommended not to install additional solutions during the initial installation of the feature pack. This is because these new solutions can introduce

metadata changes for which the demo companies are not fitted. First, finish the installation, including the installation of the demo companies, and then install the additional solutions. The reconfiguration process, as part of the install of the additional solutions, will automatically bring the demo companies on the correct metadata level.

For more information, see *Infor LN - Standard Master and Demo Data User Guide (U9803)*

Infor LN Standard Master data

It is not mandatory to re-install this data.

- Infor LN Standard Master Data

Company 050: Basic generic master data to copy data from, such as Countries or Languages to use in your production companies.

Note: Only reinstall these base company when LN is updated. This base data is part of the specific version of LN; therefore, when LN is not updated, do not reinstall this base company data.

For more information, see *Infor LN - Standard Master and Demo Data User Guide (U9803)*

Infor LN DEM Content Pack

Functionality in LN (such as Enterprise Planning, Inventory Management, and Purchase) are modeled in a DEM Model called the DEM Content Pack, which can be used to model a customer specific Project Model in LN.

This model contains scenarios and business processes with options, roles and rules. This is based on the relevant distribution and production typologies and verticals supported in the LN functionality. In a project model you select the scenarios relevant for your business, and set the options that you want to implement. Based on the rules DEM select and transforms business processes that suit your need and simplifies the use of the LN functionality.

A separate license must be purchased to use the DEM Content Pack model.

For more information, see *Infor LN - DEM Content Pack User Guide (U9774)*

DUE steps for Central Invoicing, Project package and EBS

2

To avoid data corruption, you must complete this procedure for the (Central) Invoicing package (cisli), Project package (tpppc) and Electronic Bank Statement (EBS). If you are not using these modules, you can ignore this chapter.

Before installing LN 10.2 or later data must be processed on your ERP LN FP7, FP6, or any older Feature Pack of LN you are currently running.

The steps are required to process data according the pre-LN 10.2 or later format.

Invoicing (cisli)

With LN 10.2 or later, the Invoicing package is restructured to allow for better handling of Invoices. This specifically counts for the way Invoice data is calculated, posted to the General Ledger, as well as for archiving/deleting of invoicing data. Also the introduction of a new Invoicing 360 session required an improved data model.

As a consequence, the data in the 'existing' invoicing tables need conversion. These conversions will apply to the different statuses of the Invoice (Lines);

- Invoice Lines that still must be Composed (for example; **On Hold**, **Canceled** and **Confirmed**): do not change these lines. The lines will be processed by the Data Upgrade Engine (DUE).
- Invoice Lines that have status **Composed/Printed/Posted**: see further in this section for the comments on Invoice level.
- Invoice Lines/Invoices that have status **Composed**: these will be decomposed. The Billing Request remains and will contain the same Invoice Lines, but the Billing Request need to be **Composed/Printed/Posted** again in LN 10.2 (or later version) against the new logic and data model.
- Invoice Lines/Invoices that have status **Printed**: These must be processed till no Invoice Lines/Invoices remain with status "Printed"! This is described later.
- Invoice Lines/Invoices that have status **Posted**: These will be processed by the Data Upgrade Engine (DUE) and do not need further manual processing before the installation and upgrade of LN 10.2 (or later versions). As this data becomes redundant, a Post Upgrade session can remove the data which is described in "Infor LN Post-DUE steps" on page 15.

Processing Invoices with status Printed

Before LN 10.2 (or later version) is installed, ensure that no Invoices have status “Printed”.

Complete these steps:

- 1 Start session Post Invoices (cisli3200m000) and run this with wide open range.
- 2 Click **Post**, a Processing dialog is displayed.
- 3 When finished, a message is displayed with the number of Billing Request(s) Posted. There can be an error report (or even multiple reports) showing errors for a variety of reasons. Check the error reports and solve the errors. Run the Post Invoices (cisli3200m000) session again.
- 4 When the process has finished, start session cisli2505m100. Ensure you are in the right company. In the **Status** column, filter for “*Printed*”. You must see an empty grid. In case there are no invoices shown, you are done. In that case ensure this applies to all companies that are part of the Data Upgrade to the newest Feature Pack.
- 5 Start session Billing Requests (cisli2100m000). Ensure you are in the correct company.
- 6 In the **Status** column, filter for “*Printed*”. Once the filter is applied, there must be no more Billing Requests with status “*Printed*” visible. If there are still records with status “*Printed*”, solve the issue that is causing this status and check again.
- 7 Once finished, ensure there are no Invoices or Billing Requests with status “*Printed*” in any of the companies that are part of the Data Upgrade. After the check, you are ready to start the upgrade for the range of companies that are processed.

Note: If the sessions mentioned earlier (cisli2505m100 and cisli2100m000) in any company do show records for status “*Printed*” and you are installing LN 10.2 (or later), you will create serious data corruption of Printed Invoices which cannot be reverted nor converted anymore.

Project (tpppc)

As part of the Aerospace & Defense developments, the Project Cost and Revenue Ledger processes are restructured to allow for a better integration with other packages and ease of use. As a consequence, the well-known 5 Cost Type tables (Material/Labor/Equipment/Subcontracting/Sundry) are merged into one. The manual step to process these Costs into the General Ledger and Project Cost History is automated. Once a transaction is approved and sent to Project for storage in the Project Cost Ledger, it is automatically processed to the General Ledger and Project Cost History. Manual Costs must still be approved and processed manually to the General Ledger and Project Cost History.

The revenues that arrive from Invoicing are also automatically posted to General Ledger and Project Revenue History. Revenues entered manually in the Revenues session must still be approved and processed manually to the General Ledger and Project Revenue History.

To prepare for the Data Upgrade and the new processes in LN 10.2 (or later version), all costs and revenues which are not posted to General Ledger and not yet available in Project Cost/Revenue History must be processed.

Complete these tasks:

- 1 Start session Global Approving (tpppc4200m000). Ensure that all Projects are in range and that on the second tab all categories are selected. Click **Approve**
- 2 Start session Process Transactions (tpppc4802m000) and ensure all Projects are in range and that on the second tab all categories are selected. Click **Process**.
- 3 Repeat this process for all companies that are in use and need Data Upgrade. This can be verified by starting session Costs (tpppc2811m000) and conclude that there are no more Costs visible for Cost Types Material/Labor/Equipment/Subcontracting/Sundry.

The same must be verified for the Revenues by starting the Revenues (tpppc3501m000) session; no Revenue records must be visible.

When this is finished, the Project package is ready to be upgraded through the Data Upgrade Engine.

Note: If the sessions mentioned earlier (tpppc2511m000/tpppc2531m000/tpppc2551m000/tpppc2571m000/tpppc2591m000/tpppc3501m000) do show Cost/Revenue records and you are installing LN 10.2 (or later versions), you will create serious data corruption of not processed Costs/Revenues which cannot be reverted or converted anymore.

Electronic Bank Statements

The Electronic Bank Statement (EBS) functionality is restructured completely.

This specifically counts for the way the data is stored and handled. (New EBS tables replace the old EBS tables).

As a consequence, the data in the 'existing' EBS tables must be converted.

Since the whole matching and handling of the posting data is now completely different, it is not possible to convert the old EBS if the status is beyond *Converted*. All EBS which have status *Converted* will be converted in the new EBS tables using the DUE logic provided.

Before conversion, the existing EBS must be posted to Finance (the last step) if the "old" status is:

- Matching in process.
- Partially matched.
- Matched.
- Audited.

Infor LN Post-DUE steps

Invoices with status "Posted"

Once the installation of LN 10.2 (or later) has finished and also the Data Upgrade Engine has finished the required conversion of the Invoicing tables, the 'old' tables still contain the Invoice data that was used with FP7 or earlier.

This data can now be removed.

- 1 Start session **Clear Obsolete Invoice Tables (cicor0205m000)** in LN.
- 2 Specify the selection ranges and click **Process**. This will remove all data in these tables:
 - cisli205
 - cisli206
 - cisli207
 - cisli208
 - cisli209

Infor recommends running this step any moment in time after the Data Upgrade Process has finished. The data in the tables mentioned earlier are no longer used anywhere by LN 10.2 (or later versions) it only consumes disk space which can be freed up.

You must run this process once, as invoices created with LN 10.2 (or later versions) will not appear in the tables mentioned earlier.

Wherever applicable, the operations packages such as Sales Orders, will also zoom to the new environment and no longer to the tables mentioned earlier.

In addition, the Archive and Delete Invoicing Data session (cisl3210m000) has been rewritten for better control of Invoice Data. With this session, the redundant Posted Invoice Lines (for example; table cisl245, cisl255 etc.) can be removed. This data is already available in the new Invoice Line table (cisl310).

For new Invoices, the data is automatically removed from the tables cisl245 and parallel tables, but for data originating from before LN version 10.2, must be deleted manually.

This chapter describes the prerequisites to update to Enterprise Server.

Last minute information LN

For the latest information, take note of these solutions on <http://www.infor.com/inforxtreme>.

Solution	Description
22867311	This solution provides an overview of the LN applications solutions. It is recommended to choose the latest version of the software for new installations. For possible installation problems and last minute solutions you must install extra information gathered after completion of the documentation.
1404654	This solution provides information about Infor Enterprise Server.
22881401	Latest information about system sizing, performance considerations and operating system and database tuning aspects.

PMC solutions

For information about updating an environment with PMC solutions, see the *Infor Enterprise Server - Administration Guide (U8854)*. In the “LN Software maintenance” chapter, a section explains the PMC recipient procedure.

On your system go to Tools -> Software installation -> Miscellaneous-> Recipient.

Note: When you install an LN update, with PMC solutions, check Infor Xtreme solution **1404654** for Enterprise Server information.

Prerequisites for an update to Infor Enterprise Server

Read the Enterprise Server Technical Notes and the Technical Notes for Porting Set together with other documents that apply to your configuration. Also read the Platform support matrix that is available in solution **1183466**.

It is recommended you regularly install available Enterprise Server solutions; therefore, the environment is always up-to-date with the latest patches.

Shared memory

Before starting the upgrade increase the shared memory to minimal 128MB.

Parallel table reconfiguration

Running tasks in parallel, can speed up the reconfiguration of many tables during a bdbreconfig process. It improves the performance during the update. The minimum number of parallel processes is 1 (sequential behavior) and the maximum is 128. Ensure to pick a value that fits your system. Too much parallelism can cause system overload and database connection issues. For more information see the *Infor Enterprise Server - Technical Manual (U8172)*.

License for DEM Content Pack

Log an incident on <http://www.infor.com/inforxtreme> using your support account. Provide this information:

- Incident text "Requesting license key for DEM Content Pack.
- Version code: I10_030S1.
- Customer code of the company (user) as provided by Infor after you validated your Infor LN application. You can retrieve this customer code through the SLM management Console or by running session Support Information Tool (ttsit0100m000).

Note: If the version code and customer code are not provided in the incident correctly, the model cannot be validated.

After the installation and receiving the DEM Content Pack license code, use the Revalidate Licensed Version (tgbrg1247m000) session to license the model.

Solution License Manager (SLM)

Before you start the update to Infor Enterprise Server, you must update your SLM Server and Client to the latest SLM version. Check solution 22881484 on the Infor Xtreme Support portal at <http://www.infor.com/inforxtreme>.

Infor Enterprise Server 8.4 introduced maintenance licensing. When upgrading from an older version, add this product-id to your SLM license manager:

- Infor365 Maintenance Contract: 10365

Register as a Concurrent User with a quantity of 1.

Specify the end-date of your maintenance contract for Infor LN

Updating an LN SP0 environment

Note: If the environment is a Windows environment and the porting set number is 7.5a PA.2525, the porting set belonging to Enterprise Server 8.4.1 must be installed before the solutions are installed. This 7.5a PA.2525 porting set contains an error, which will create tables with wrong columns during the reconfigure.

You must have these PMC solutions installed:

- 22842663
- 22898863
- 22899649
- 22916327

If the PMC session “Download, Scan and Connect Solution (Multi-Level)” (ttpmc2210s000) does not work, install solution 22848797.

Note:

During the upgrade of the Enterprise Server components, Porting Set, and tools, this message can occur:

```
1 : process 1 - Error: Regular expression error nr 60 (Range error in
    bracket
    (start>end)) in '^[a-zA-Z0-9_-]* *$' (process.one.obsolete.solution
    () in object ottpmcdllscan
```

You can ignore this message.

Updating an LN SP1/ES7 environment

You must have these PMC solutions installed:

- 22842663
- 22898863
- 22899649
- 22916327

Updating an LN FP2/ES8.2 environment

You must have these PMC solutions installed:

- 22842461

Note the pre-installation instructions and ensure you install this solution (200874) as the last solution in a run. Directly after this solution, the post-installation instructions must be followed-up; if not, the installation of subsequent solutions or the create runtime for tools will fail.

- 22842545
- 22898863
- 22899649
- 22916327

Updating an LN FP3/ES8.3 environment

You must have these PMC solutions installed:

- 22898863
- 22899649
- 22916327

Updating an LN FP3/ES8.4 onwards

- From LN FP3/ES8.4 onwards, there are no pre-requisites for this update.

ES AddOn PMC Solutions

From version 8.4.1 onwards, this Installable Unit contains the packages da, nt, ta, and tm. Previous versions only contained the package tm.

The packages da and nt were part of different Installable Units, but now the default update vrc for these packages has changed. Pay attention after the update to the Package Combinations, which must be used for these packages. The packages in this version have been delivered in total; therefore, do not take older versions of these packages.

During installation, these packages can only be added to existing Package Combinations; therefore, if you specified a new Package Combination to be created for the latest version during the installation process, this Package Combination cannot be extended with these packages. If necessary, after the installation has finished, manually add these packages to a Package Combination (session “Packages by Package Combination” (ttaad1121m000)).

This table lists the PMC Base vrc's:

Package	VRC
da	7.6 a9 ta
nt	7.6 a9 ta
ta	7.6 a9 ta
tm	7.6 a9 ta

Default or recommended update vrc: 7.6U a9 ta

Infor Adapter 2.7 or earlier for LN

This section applies only to customers who use the Adapter 2.7 for LN or earlier; users of version 8.4 and higher can skip this section.

From version ES8.4, the Adapter for LN is delivered as part of the LN application itself, as part of the Porting Set and Enterprise Server AddOn.

Because of the new delivery, conflicts with existing installations, such as 2.7 or 2.6, can arise. The two options are to update to the new version, or keep using the old version.

For more information, see the *Configuration Guide for Adapters and Connectors (U8622 US)*.

Updating Adapter version 2.6 or 2.7

To update the Adapter:

- 1 Install the Enterprise Server AddOn PMC solutions.

Installing the Infor Enterprise ServerAddOn delivers all LN sessions and API, such as:

- tmboaserver
- tmbdeserver

2 In \$BSE/java, remove these files:

- b3.jar
- owxml.jar

No update to the new Adapter

This process consists of:

- 1** Do not select the Enterprise Server AddOn to install; this is only possible if update of packages da and nt are not needed. Ensure the relevant package combinations still point to the old version of the package.
- 2** After the Enterprise Server AddOn installation, in \$BSE/java, remove these files:
 - ow.jar
 - ow3p.jar
 - owconfig.properties

Updating language Packs

If you decide to install an extra language, ensure that a language pack is available. You cannot install language packs of earlier versions. See the language installation process in the *Infor LN - Installation Guide (U9498)*.

This chapter can be used to update an environment to:

- Enterprise Server 10.3 (tools).
- An Infor LN environment to 10.3 (application) and Enterprise Server 10.3 (tools).

On the Online Support Web site at <http://www.infor.com/inforxtreme>, always check the Last Minute Solutions about the product you want to install

Staging the software

With the Staging Wizard you create a Staging Area. A Staging Area is used as part of the Infor LN installation process to install components from. The components stored in the Staging Area are the Installable units (IU). The Installation Wizard can install the Installable Units in one run. We recommend that you create a new staging area when running a fresh install or an update.

The way in which the Staging Wizard behaves depends on the location where you start the Staging Wizard:

- You start the Staging Wizard from the Infor Enterprise Server 10.3 (1-2) medium to create a staging area, the Wizard asks you to specify a destination directory to which to copy the Installable Units.
- You start the Staging Wizard from the Staging Area to stage the installable units from another media, the Wizard asks for the source directory of the Installable Units.

To start the Infor Staging Wizard from the Infor Enterprise Server 10.3 (1-2) medium, navigate to `<Install medium>\Start` folder. Double-click the **StartFirst.exe** binary. A page displays with information about installing several software components on the media. Read the screen carefully and click the appropriate here link to start the Infor Staging wizard.

Click the Start Staging Wizard link at the center of the page.

The Staging Wizard will be started and will guide you through the staging process.

Note: The Infor Enterprise Server 10.3 (2-2) medium contains among others the web based user interface and extended connectivity software for LN. Installation of that medium is described in *Infor Enterprise Server Installation Guide (U9484)*.

Installable units to select.

When you want to update your Infor LN environment and Enterprise Server to 10.3, stage all the mandatory and optional installable units as described in "Introduction" on page 9.

The Installation Wizard

To start the Installation Wizard:

- 1 Stop the LN environment by using \$BSE/etc/rc.stop (UNIX), or Infor Manager (Windows). All other binaries running against this environment must be stopped. The Installation Wizard must be able to replace them.
 - For an update of the Windows Porting Set, the eventviewer must be closed.
 - For an update on UNIX, you must also stop the baanlogin process.
- 2 Start the Installation Wizard by running **<Staging Area>/Start/StartFirst.exe**.
- 3 Click Start Installation Wizard.
The Welcome dialog box will display.
- 4 Click **Next**.
- 5 Specify the environment to be updated in the Environment dialog box and click **Next**.
- 6 Select the required installable units, mentioned earlier and click **Next**.
Note: When you want to install the new DEM Content Pack in demo company 090, you must run a separate installation process for the DEM Content pack later.
- 7 Select the appropriate porting set and click **Next**.
- 8 Specify information for the fields, see online help. Click **Next**.
- 9 If necessary, specify the destination directory. Click **Next**.
A warning message appears that informs you all users must leave the LN environment before you continue this update.
- 10 Click OK.
During this step, LN checks if the selected environment is available for update. A warning can appear about still running binaries.
- 11 During a UNIX install you must specify the BW parameters on the BW Configuration Parameters dialog box and click **Next**.
- 12 The IU "Infor LN PMC Solutions" represents the upgrade component together with the product Business Object Documents (BOD). If you have selected this IU the Select Base VRCs for PMC Solutions dialog box will appear. In this dialog box you can select two base VRCs in which the software components will be installed.
 - The Business Object Documents 2.1 for ERP LN 6.1 (2.1_b6_bo) to integrate with other Infor applications.
 - The Infor LN 10.3 (B61_a9) to update your software to the latest feature pack.

13 Click **Next**. The Select an Update VRC for PMC Solutions dialog box will appear if these IUs are selected:

- Infor ES AddOn PMC Solutions [Base VRC 7.6_a9_ta]
- Infor LN PMC Solutions [Base VRC 2.1_b6_bo and B61_a9]

Solutions must be installed in an "Update VRC". The VRC must be a new created Update VRC. Based on your selection, several Select an Update VRC for PMC Solutions dialog will display.

When upgrading from an feature pack to another feature pack, it is recommended to create a new Update VRC for the package bo and the applications.

When upgrading from LN 10.2.0 to LN 10.2.1, it is recommended to install the package bo and the applications in an existing Update VRC.

For information about updating an environment with PMC solutions, see *Infor Enterprise Server - Administration Guide (U8854)*. In the "LN Software maintenance" chapter a section explains the PMC recipient procedure.

14 After you created the update VRCs several Select Package Combinations dialog boxes will display. Select the correct package combinations and click **Next**.

15 The Download of Missing PMC Solutions dialog box displays.

Note: During the installation, the Installation Wizard checks if all necessary solutions are available; if not, the Installation Wizard tries to download the solutions with the connection information provided here. Missing solutions that cannot be found, or other errors, will be logged in \$BSE/log.pmc

When you selected the Installable Unit Infor LN Standard Master Data or Infor LN Demo Data do not select the setup automatic download for missing solutions. First, finish the update, including the installation of the demo companies, and then install the additional solutions. The reconfiguration process will automatically bring the demo companies on the correct meta data level.

Specify the appropriate connection information, and click **Test connection** to verify if connection can be established. If the connection is successful then click **Next**.

16 The Configuration Files dialog box appears. You can choose to change the configuration files. For more information, click Help. Otherwise, click **Next**.

17 If you selected the Solution License Manager Installable Unit, the wizard asks you to supply information about some dialog boxes.

18 If you selected the Application Service Manager Installable Unit, the wizard asks you to supply information about some dialog boxes.

19 Click **Next**. The Ready to Install dialog box appears.

20 To start the update, click **Install**.

When the update has finished successfully you can now run the separate installation process for the DEM Content Pack. Select the Installable Unit Infor LN DEM Content Pack. When the Company dialog box displays, specify the Infor demo company number 090 to use for the DEM Content Pack and click **Next**.

When you do not want to install the content pack in company 090, select one of your own company numbers. Do not install the content pack in other Infor demo and master data companies.

Ensure to perform additional post-installation tasks. See "DEM Content Pack" on page 28

After you install the Infor Enterprise Server, you must perform several post-installation steps.

Restarting shared memory and logic services

Restart the shared memory and the logic service, to ensure shared memory does not contain any references to pre-migrated objects.

SP0/SP1 Solution number 22911304

If you made one of the following upgrades without upgrading the application, install solution 22911304 “Security files required when running LN SP0/SP1 with Enterprise Server 8.5”:

- Baan ERP 5.2a to Enterprise Server 8.5.
- LN SP0 to Enterprise Server 8.5.
- LN SP1 to Enterprise Server 8.5.

Installing latest solutions

It is recommended to install the latest weekly solutions on the Enterprise Server. Check solution **1404654** to find the Generic tools solution of your Enterprise Server version. This Generic Tools solution contains all known PMC solutions for Infor Enterprise Server up to a certain week.

Master and Demo Data companies

The companies 050, 090 and 091 are delivered as Master and Demo Data by Infor.

- If you have re-installed one or all of these Infor companies you don't have to run the Data Upgrade Engine (DUE). The reconfiguration process, as part of the installation has automatically brought the companies on the correct metadata level.
- If you did not re-install all Infor companies, but you still want to use the former installed Infor companies, you can run the Data Upgrade Engine (DUE) for these companies. The DUE will bring them to the correct metadata level.

Instrument group functionality

In FP8 the Instrument Group (qmptc008.intg) field is created in table qmptc008. This field relates to the Instrument Group functionality. After migrating from a version without the Instrument Group functionality, an error message is displayed when saving any data in the Instruments (qmptc0108m000) session.

To use the instruments functionality along with the new instrument groups you must create an instrument group or groups. Specify the instrument group in the Instrument Group (qmptc0124m000) session and link the group(s) to the existing instruments.

DEM Content Pack

When you installed the Enterprise Business Model in company 090, proceed with the Parameter settings for DEM Content Pack.

When the Enterprise Business Model is installed in another company than 090, you must perform these additional post-installation tasks:

- Create the tables for the companies the Enterprise Business is created (session ttaad4230m000).
- Initialize the parameters of the companies of the Enterprise business (session tcmcs0295).

Parameter settings for DEM Content Pack

To set parameters and other master data for the DEM Content Pack:

- 1 Ensure that a user demo is created.
- 2 Create a new version if you want to keep the original content. Derive the new version from the standard version in which you want to make changes.
 - a Start the Versions (tgbrg1500m000) session.

- b Select the appropriate version and click **Copy**.
 - c Change the code. Change the S (standard) to C (Customized), for example I10_030S1 to I10_030C1).
 - d Specify information in the Description field.
 - e Specify the original version in the Derived-From Version field.
 - f Change the Status field to Developing.
- 3** Start the Version Authorization by User (tgbrg1150m000)
The Check Password (tgbrg1165m000) session displays.
- 4** Supply the password BAAN (uppercases) and click **OK**.
- 5** Authorize user 'demo' for the appropriate version.
- 6** Start the Current Modeling Version of Users (tgbrg1510m000) session. When no version is set for a specific user, the version of the Generic user is taken into account
- 7** Double-click the record(s) for the listed user(s) to supply the field **Current Version** with version **I10_030S1**.
- 8** To store the Enterprise Modeler Data, start the Central Company to store Enterprise Modeler Data session (tgbrg0100s000). The Check Password dialog box will be displayed.
- 9** Supply the password BAAN.
The password must be specified in uppercase; the field is uppercase/lowercase sensitive. Click **OK**.
- 10** Check the Central Company to Store Enterprise Modeler Data field. This field must contain the company number you currently work in.
- 11** Select the Central Company to Store Enterprise Structure Models. This field must contain the company number you are working in. For company 091, the Central Company to Store Enterprise Structure Models must be filled with company 090.
For more specific information, see the *User's guide for how to set up a company (U8422)*.
- 12** To save this data, click **Save** or **OK**.
- 13** Start the DEM Parameters (tgbrg0135s000) session.
A password dialog box appears. Supply the password BAAN and click **OK**. The DEM Parameters session will appear. The settings for Running ERP Component must equal component **LN** and component release **6.1**.
- Note:**
For a company that contains the DEM Content Pack you must accept the values already filled; do not change these values other than the Running ERP Component. For specific information, see *Infor LN - DEM Content Pack User Guide (U9774)*.
- 14** To continue, click **OK**.
- 15** Start session Applications by Component (tgbrg5155m000).
- 16** Specify this information:
- Supply component 'LN' in the **Component** field.
 - Supply version '6.1' in the **Component Release** field.
 - Start the command **Import Applications from Running ERP Component**.
 - Select these check boxes:

- **Overwrite existing values**
- **Remove the applications that no longer exist**
- **Print**

- Print the report to excel and save the .xls file.

Note: This file must be analyzed to find out if new sessions (customization or sessions on your system due to installing solutions) must be added to the pre-configured business processes.

17 Start session Employees (tgbrg8135m000).

18 Select employee 'demo' and ensure the User field set to user 'demo'.

19 Ensure that the **Process Browser** checkbox is selected for the user 'demo' in the User Data (ttaad2500m000) session.

20 Check the Runtime Version Project model and Optimization Phase (tgbrg0105m000) A record must be present for DEM Content Pack based on the company used.

The post-installation tasks are completed. If another DEM company number must be installed, repeat the process.

Upgrading companies to the new installed Feature Pack level

These steps are only required if LN is updated next to Infor Enterprise Server.

If you choose to create a new Update VRC for the Feature Pack, you must convert your companies from the original package combination to the FP*-based package combination after the installation.

For details on this process, see *Infor Enterprise Server - Administration Guide (U8854)*, or the online Help of the sessions.

To upgrade the companies:

- 1** Log on with a super user. Ensure this user is linked to the target package combination of the companies to upgrade.
- 2** Change Package Combination by Company (ttaad1101m000).
- 3** Specify the fields. Depending on the size of your companies, this can take some time.
During this step, you can encounter the message: "Table does not exist errors (506)." Ignore this message.
- 4** Run the Change Package Combination for Users (ttaad2200m000) session.
- 5** Run the Convert Changes to Runtime (ttams2200m000) session.
- 6** Re-login in the environment.

If you connect to a company not yet migrated to the new SP/FP level, you can receive the message: "This company (xxx) must not be used because the company needs a data upgrade."

In general, this means:

- a If you use table sharing, check your table sharing data; if required, adjust this data. The names of the new tables are in the appendix of this document.
- b Run the Create tables (ttaad4230m000) session per company. You can expect the creation of several new tables by company.
- c Run the Initialize Parameters (tcmcs0295m000) session per company. The company must be linked to the new Feature Pack package combination.

Converting companies to the new Feature Pack metadata level

These steps are only required if LN is updated next to Enterprise Server.

In the Companies (ttaad1100m000) session, you will see that companies connected to the new Service Pack / Feature Pack Package combination have the status Upgrade Needed.

Before you use the new Feature Pack, you must complete several mandatory steps. You must perform these steps in each Feature Pack upgrade.

To convert the companies:

- 1 Start the Data Upgrade Runs (ttspt2500m000) session. A new run is shown. This run is generated by the installation of the Feature Pack, or during the move of your Companies to the new Package Combination.

To initialize and run the Data Upgrade Run:

- On the **Specific** menu, select Initialize Data Upgrade Run. Ensure that the Source Feature Pack is the number of the previous Feature Pack that was installed in your environment. If not, update Source Feature Pack to the previous Feature Pack that was installed.
- Optionally fine tune the Data Upgrade Run. For example you can move Companies to another Run or change the Runtime Classes of Data Upgrade Tasks.
- On the **Specific** menu, select Data Upgrade Engine. Optionally you can run a Simulation first.

For more information about the Data Upgrade Engine, see the online help.

- 2 Initialize new integration mapping scheme master data and reconciliation master data, and deactivate obsolete master data. Only changes will be made active. Existing data will not be overwritten.
 - Initialize Mapping Scheme Data (tcfm0210m000) session. By default, the options that are applicable to your environment are selected. Clear options only if they are not used in your enterprise setup.

Note that from Service Pack 1 onwards, the Manual Sales ledger account must be a FAM disposal account.

- 3 From tfgld4573m000, copy the mapping scheme to new mapping scheme version.
 - a Start the Mapping Scheme (tfgld4573m000) session.
 - b Click **Specific > Find Active Mapping scheme**.

- c Click **Specific > Copy to New Mapping Scheme Version** and confirm Copy.
Ensure the copied Mapping Scheme is visible in the session.
 - d Click **Specific > Check Mapping Scheme**.
 - e Check the errors and warnings tab, and resolve any errors.
 - f Click **Specific > Activate Mapping Scheme**.
- 4 In FP2, the business partner tax country has been added to the order lines. Only approved tax codes must be used; therefore, Infor Global advises you to check the following sessions that contain the data used for tax defaulting:
- General Company Data (tcom0502m000): specify the tax ID of your own company.
 - Tax Parameters (tctax0100m000): Check the search order of tax libraries.
 - Tax codes by Country (tcmcs0536m000): Check whether the tax codes are approved.
 - Tax Handling (tctax0138m000): Check whether enough default Tax Codes are present; you might not be able to enter order lines any other way.
 - Tax Numbers by Business Partner (tctax4100m000): Check whether a tax number is present for the business partners in another EU country. Note that the country used in this session is used for the defaulting of the business partner tax country of order lines.
 - To resolve issues with the new tax model, use these sessions:
 - Tax Exceptions by Country (tctax1100m000), and Tax Exceptions by Country Set (tctax1101m000): To create exceptions in the tax defaulting scenarios, use these sessions.
 - Test Tax Model (tctax8100m000): To simulate the tax scenarios used for tax defaulting, use this session.
 - Unless used in your situation, for updates from SP0 to SP1, run the Generate Order planning (cprrp1210m000) session with a full range for all scenarios.

Generating order planning

In case you updated your Infor LN SP1 environment to the latest FP level, you must run the Generate Order Planning (cprrp1210m000) session. Run this generate session for each company, for all scenarios, and with a full range.

Infor recommends to run this session for all other updated environments later than SP1.

Configuring shared memory after the Enterprise Server update

DLLs are used more frequently, it is difficult to decide which objects to load in shared memory. Measurement tools are now available to identify which objects are frequently used and suitable to load

in shared memory. A configured shared memory based on the measurement information will also improve processing speed.

Specific information about how to configure shared memory is specified in the administration guide. The following section is a short enumeration of the measurement tools configuration. The process consists of two main steps:

- Specify the objects to store in shared memory
- Configure the Shared Memory service.

To configure shared memory:

- 1 To define shared memory content, the Shared Memory Data (ttaad4156m000) session is used to specify objects in shared memory. When you already have objects specified in shared memory, a message is displayed.

- 2 To use your existing specifications, click **Yes**.

If this message does not appear, you can import a range of program and/or report objects from the Data Dictionary (DD) into shared memory. The import session is present in the **Specific** menu of the Shared memory Data (ttaad4156m000) session. For more detailed information, see the administration guide.

- 3 Start Logging Parameters (ttaad4153m000) session, for gathering statistics on shared memory. In this session, the timeframe (start and end time) in which the logging must take place can be defined. If no timeframe is defined, no logging will be done.

To store the data in the logging file in `$BSE/lib/defaults/`, click **Convert**.

A convert can only be started on a host defined as Master Application Server (MAS). In case the host is not an MAS, all selection fields and **Convert** option will be disabled.

To completely remove the currently stored shared memory measurement data, click **Cleanup**.

The measurement will start for all bshells started after the convert is run, and take the defined timeframe into account.

- 4 Restart shared memory.

The procedure to complete the configuration of shared memory on a Windows or UNIX system differs:

Procedure on Windows:

Start the Enterprise Server Service Manager. Right-click **Shared memory service**, and on the shortcut menu that is displayed, click **Stop**. Next, right-click again and click **Start**.

Procedure on UNIX:

Exit the session and log on again as user **root**. To reload shared memory, specify these commands:

```
# cd $BSE/bin
# ./srdd_init6.2 -i
```

After the period of shared memory measurement has ended, the log information can be found in the Shared Memory Measurement(ttaad4152m000) session. On behalf of this information, you can repeat specifying objects stored in shared memory.

Table sharing data

Table Sets and table references are delivered with every Feature Pack of LN to set up or update table sharing. For technical and functional information about table sharing, see the *User Guide for Multicompany Table Sharing (U8955 US)*.

Report Archiving for invoices

This step is relevant when you are using report Archiving for invoices and you updated your environment to LN version 10.2 or later.

In LN 10.2 the invoices are moved to a different table: cisli305 (in earlier feature packs this was table cisli205).

Since invoices are archived as files at the moment of printing, you must change the settings in the Report Archiving Rules (ttaad3542m000) session.

After the update the value in **Split Field** must be changed, otherwise the report archiving will not work. Specify this information:

- change cisli205.sfcf to cisli305.sfcf
- change cisli205.ityp to cisli305.tran
- change cisli205.idoc to cisli305.idoc

Customized form fields

Customized form fields must have a unique identification assigned.

Note: This step is required if your previous version is FP5 or earlier.

To personalize forms, each field on a form must have a unique identification assigned. FP6 comes with all the converted standard forms. Based on the converted standard forms, customized forms must also be converted. For more information, see the release notes section "UUID Conversion Personalization".

You must perform an online Help installation in combination with a Feature Pack installation.

The files for LN online Help are included on the LN medium.

The files for the Infor Enterprise Server online Help are on the Infor Enterprise Server medium.

All help installation files can be found on the media, in the subdirectory “Online Help”.

Before you start the Infor LN online Help file installation, you must have installed and configured Web UI. For specific information about online Help and installation of the files from the medium, see the *Infor Enterprise Server Web UI - Installation and Configuration Guide (U8715)*.

Online help

The Infor LN 10.3 medium contains a zip file that you must install:

- erpln_B61Ua9stnd_en_xmlhelp.zip. Standard + 10.3 help info.

For specific information, see the *Installation and Configuration Guide for Infor Web Help* (U8934). In “How to deploy Infor Web Help”, a section explains how to install the zip file.

Updating a porting set

7

For the latest information about a porting set update, see the Infor Global product support Web site <http://www.infor.com/inforxtreme> (KB 22923520).

Infor LN on a Microsoft Windows Server Cluster

Before the porting set is updated, the Baan Environment resource must be removed; to remove the resource, use the Cluster Administrator. After the porting set upgrade, the Baan Environment resource must be added again. For more information about Server Cluster, see the *Infor LN - Installation Guide (U9498)*.

The language installation process

You can update the LN environment with new software components. In case of a language update, ensure the LN environment is up and running.

Language updates are delivered as pmc solutions.

For the latest information about a language update, see solution number 22895286 on the Infor Global product support Web site at <http://www.infor.com/inforxtreme>

Note that:

- The environment must contain the correct package combination and package VRCs, using the official naming conventions.
- The environment must contain the target language code.

For more information about installing a language, see the *Infor LN - Installation Guide (U9498)*

Replacement of ISO 639-2 standard with 8.4.1 release

The data languages with Enterprise Server 8.4 were based on the ISO 639-2 standard, which does not support all languages. For example, there is no differentiation between Simplified and Tradition Chinese, Brazilian European and Brazilian Portuguese, or English Great Britain and English US.

Therefore, with the release of Enterprise Server 8.4.1, Infor used another standard as a base for data language definition. This means that customers who have implemented multi language data enabling (mle) based on Enterprise Server 8.4 will take into account a table reconfiguration of multi language enabled tables.

To view the Data Upgrade Engine status, use the Data Upgrade Runs (ttspt2500m000) session. Never directly use the Initialize Data Upgrade Run (ttspt2200m000) session.

New tables



After you install a Feature Pack, several new tables can be created;

New Infor LN 10.3 application tables.

This table lists the new application tables.

Package	Table	Description
cp	rpd099	Temporay Table for Compute Phasenumbers
qm	cpl002	Categories
qm	ptc210	Interim Stock Point Inventory for Storage Inspections
qm	ptc304	Storage Inspection Inventory Lots and Serials
tc	com160	External Address Codes
tc	com640	Recipients Sets
tc	com641	Recipients by Recipient Set
tc	com660	E-mail Option Codes
tc	com661	E-mail Option Details
tc	com670	Document Output Management Details
tc	tax030	Indirect Tax
tc	tax040	Aggregated Tax
td	pur102	Linked Request for Quotation Data
td	pur109	RFQ Negotiations
td	pur159	RFQ Negotiation History
td	pur520	Supplier Stage Payment Lines
td	pur570	Supplier Stage Payment Line History

New tables

Package	Table	Description
td	sls357	Sales Schedule Actual Delivery Lines History
tf	acp243	Stage Payment Lines
tf	acp256	Matching Data by Invoice
tf	acp270	Purchase Order Related Financial Transactions
tf	cmg510	Bank Statements
tf	cmg511	Bank Statement Lines
tf	cmg512	Bank Statement Line Details
tf	cmg515	EBS Matching Rules
tf	cmg516	Bank Statement Warnings/Errors
tf	gld051	Cross Validation Rules
tf	gld052	Cross Validation Rule Elements
tf	gld053	Cross Validation Rules by Ledger Account
tf	gld054	Cross Validation Rule Elements by Ledger Account
tg	brg040	Drill Back Authorization
tg	brg041	Drill Back Mapping
ti	cst003	Operation Cost Distribution
ti	cst012	Estimated Material Costs per Cost Component
ti	cst013	Estimated Operation Costs per Cost Component
ti	cst157	Estimated and Actual Hours History
ti	cst158	Operation Cost Distribution History
tp	ctm060	Contract Link to Project Structure
tp	ctm070	Funding Distribution
tp	pdm300	Costing Breaks
tp	pdm301	Costing Breaks Production Material
tp	pdm302	Costing Breaks Production Resources
tp	pdm303	Costing Breaks Service Depot Repair Material
tp	pdm304	Costing Breaks Service Depot Repair Labor
tp	pdm305	Costing Breaks Service Depot Repair Other
tp	pdm310	History Costing Breaks
tp	pdm311	History Costing Breaks Production Material

Package	Table	Description
tp	pdm312	History Costing Breaks Production Resource
tp	pdm313	History Costing Breaks Service Depot Repair
tp	pdm314	History Costing Breaks Service Depot Repair
tp	pdm315	History Costing Breaks Service Depot Repair
tp	pss330	Cost Peg Supplying Relationships
ts	ctm500	General Warranties
ts	ctm501	Warranty Transactions
ts	wcs201	Work Order - Batch Repair Serials
ts	wcs450	Outgoing Subassemblies
ts	wcs451	Incoming Subassemblies
ts	wcs823	History Work Order - Batch Repair Serials
ts	wcs850	History Outgoing Subassemblies
ts	wcs851	History - Incoming Subassemblies
wh	inh146	Cost Peg Transfer - Borrow/Loan
wh	inh148	Payback
wh	inh196	Cost Peg Transfer - Borrow/Loan History
wh	inh198	Cost Peg Transfer - Payback Lines History

UUID Conversion Personalization



This action is only required when your previous version is FP5 or earlier.

This appendix is for system administrators and describes the migration of the session personalization conversion. Run this procedure directly after the installation of FP9.

The procedure is applicable for Worktop and Web UI.

Introduction

In FP5 and lower versions, field personalizations cannot be fully exchanged between Worktop and Web UI. This issue is caused by a different storage format of the personalizations between Worktop and Web UI. From FP6 the field personalizations are stored equally.

In FP5 and lower versions, the identification of a personalized field during the personalization process is based on the field name and the sequence number linked to this field. When the definition of the form is changed, the sequence of a field might be changed. When processing the personalization, the field can no longer be found and the personalization is lost. To solve these issues and make a field personalization identifiable, FP6 links a Universally Unique Identifier (UUID) to each form field.

From FP6, in combination with at least the 8.5.1 version of the Dynamic Form Editor (DFE), field personalizations will be stored with a UUID.

A conversion is required for:

- Dynamic form fields (ttadv308.zb_uuid)
- Field personalizations (ttadv900.zb_uuid)

The FP6 release has been delivered with all the converted forms. Based on the converted standard forms, customized forms must be converted too. In the Compare Package VRC's (ttadv6450m000) session, an **Ignore UUID of form field** option is added to exclude form changes caused by the UUID conversion.

The Procedure section describes the steps to take for the customized forms and is applicable only for VRCs with customized components (sessions/forms).

Procedure

Note the following:

- Checked-out sessions are not processed, so ensure that no checked-out sessions are present on the environment to convert.
- After the conversion process, users must update the DFE to at least version 8.5.1. The latest version of DFE can be retrieved via solution 116206 on <http://www.infor.com/inforxtreme>.

Step 1: Generate UUID for dynamic form fields

- 1 Start the Generate Form Field UUID (ttcon9201m000) session. This session generates the UUID (ttadv308.zb_uuid) for each dynamic form field of an integrated session which is not expired.
- 2 Select the package and package VRC for which the UUID form field generation must be executed. An additional (from – to) selection on module and session code is possible.
- 3 Click **Convert** to start the process.

The following actions are performed during this process:

- If SCM is active, the session is checked out.
- For each processed form field, a UUID (ttadv308.zb_uuid) is added in the following way:
 - a Session is not based on standard session (full customization): A new UUID is generated.
 - b Session is based on standard session (partly customization): Standard fields: Form field UUID is copied from the highest standard VRC; Custom fields: A new UUID is generated.

Important: In case of multiple custom package VRCs, which are derived from the selected package VRC, all custom VRCs are processed.

- If SCM is active, the session will be checked in. The text “UUID for form fields generated” will be added as revision text.
- Converted form will be dumped/compiled.

Additional options:

- Simulation mode.
- During the process, an error log file will be created. Log file (path) can be selected (default: \$BSE/log.con9201).

Step 2: Convert Personalizations

- 1 Start the Convert Personalizations (ttcon9200m000) session. This new session updates the UUID (ttadv900.zb_uuid) for each dynamic form field present as field personalization. This session can be executed multiple times; personalizations that are already updated will be skipped.
- 2 Select the package combination for which the UUID form field generation must be executed. An additional (from – to) selection on package, module, and session code is possible.
- 3 Click **Convert** to start the process.

The UUID (ttadv900.zb_uuid) is filled for all personalized form fields.

Important: The conversion program cannot update all the field personalizations. For example, fields which are present multiple times on a form, or personalized fields which are removed from the form,

will not be converted. Non-converted personalizations will still be valid. The personalize process for these fields will be the same as before.

Additional options:

- Simulation mode.
- During the process, an error log file will be created. Log file (path) can be selected (default: `$BSE/log.conadv900`).

